



FINAL ENVIRONMENTAL IMPACT REPORT FOR
IMPLEMENTATION OF THE 1995 BAY/DELTA
WATER QUALITY CONTROL PLAN

State Clearinghouse Number 97-122056

TECHNICAL APPENDICES

VOLUME 2

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STATE WATER RESOURCES CONTROL BOARD
California Environmental Protection Agency



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Volume 2

Technical Appendices

Appendix 1. Persons Contacted and Water Right Hearing Service List

Appendix 1 contains the list of parties contacted throughout the proceeding. The SWRCB maintains three separate Bay/Delta mailing lists. In this appendix, the shorter active party list and the longer interested party list are combined. The water right hearing service list is also included. In addition to parties identified in this appendix, a postcard mailing was sent to all appropriate water right holders in the Central Valley advising that a Notice of Preparation had been prepared and was available upon request. Persons expressing interest as a result of this mailing were added to the Bay/Delta mailing list.

Appendix 2. Modeling Assumptions

Appendix 2 contains the assumptions used to model the Flow Alternatives, the Joint Point of Diversion Alternatives, and the Cumulative Impacts analysis. The descriptions of the modeling assumptions were drawn from the DWRSIM web site maintained by the Department of Water Resources. The web site containing the assumptions and all modeling output can be found at <http://wwwhydro.water.ca.gov/swrcb.html>.

Appendix 3. Water Right Calculations for Flow Alternatives 3 and 4

Appendix 3 contains the information used in the water right calculations for Flow Alternatives 3 and 4. The general methodology for the calculations is described in Chapter IV, section G of the final EIR.

Appendix 4. Watershed Flow Obligation Calculations for Flow Alternative 5

Appendix 4 contains data used in the calculation of watershed flow obligations under Flow Alternative 5. The general methodology for the calculation is described in Chapter II, section E.1.e.

Appendix 5. Aquatic Resources Analysis Modeling Data

Appendix 5 contains DWRSIM model output and spreadsheet calculations for: (1) the Sacramento River fall-run, late fall-run, winter-run, yearling spring-run, and young-of-the-year spring-run salmon smolt survival model, (2) the San Joaquin river fall-run salmon smolt survival model, (3) the striped bass model, (4) the water temperature analysis (5) the range of variability analysis (RVA), and (6) reservoir habitat index calculations. The salmon and striped bass models are described in Chapter IV, section F of the final EIR. The water temperature model is described in Chapter IV, section E. The RVA is described in Chapter VI, section C.3.a. The reservoir index methodology is described in Chapter VI, section C.3.b.

EIR Analyses and Corresponding DWR Studies

| USBR Joint POD Alternatives | | SWRCB Flow Alternatives | | Cumulative Impacts | |
|-----------------------------|------------------|-------------------------|------------------|-----------------------|-------|
| Alternative | Study | Alternative | Study | Analysis | Study |
| Alt 1 | 467 ¹ | Alt 1 | 467 ¹ | Cumulative Impacts | 492 |
| Alt 2 | 469 ² | Alt 2 | 468 | | |
| Alt 3 | 501 | Alt 3 | 506 | | |
| Alt 4 | 501a | Alt 4 | 507 | | |
| Alt 5 | 524 | Alt 5 | 513 | | |
| Alt 6 | 525 | Alt 6 | 485 | | |
| Alt 7 | 526 | Alt 7 | 519 | | |
| Alt 8 | 526a | Alt 8 | 622a | | |
| Alt 9 | 634 | | | | |

1. For the salmon smolt survival models, Alternative 1 corresponds to D1485 conditions, and not those contained in DWRSIM study 467.
2. Study 469 was the precursor study for flow alternatives 3 and 4.

DWRSIM output may be downloaded from the following web site: <http://wwwhydro.water.ca.gov/swrcb.html>

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Appendix 1

Water Right Hearing Service List

| | | |
|---|--|---|
| Jeffrey A. Meith Minasian, Spruance, Baber, Meith, Soares & Sexton P.O. Box 1679 Oroville, CA 95965-1679 | Paul R. Minasian Minasian, Spruance, Baber, Meith, Soares & Sexton P.O. Box 1679 Oroville, CA 95965-1679 | Donald B. Mooney, Esq De Cuir & Somach 400 Capitol Mall, Suite 1900 Sacramento, CA 95814 |
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Appendix 1

Water Right Hearing Service List

| | | |
|---|---|---|
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| D. Tyler Tharpe Kimble, MacMichael & Upton P.O. Box 9489 Fresno, CA 93792-9489 | Gregory A. Thomas Natural Heritage Institute 114 Sansome Street, Ste 1200 San Francisco, CA 94104 | Ernest E. White Tehama County Resource Cons. Dist. 2 Sutter Street, Ste D Red Bluff, CA 96080 |
| Gregory Wilkinson Best, Best & Kreiger LLP PO Box 1028 Riverside, CA 92502 | Charles H. Willard Board of Supervisors, County of Tehama P.O. Box 250 Red Bluff, CA 96080 | Christopher D. Williams Mountain County Water Resources Assoc. P.O. Box 667 San Andreas, CA 95249 |
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Appendix 2

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Assumptions Used in DWRSIM Modeling of Various Alternatives

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Dates of DWRSIM Modeling Requests from SWRCB to the DWR

| Alternatives | DWRSIM Study | Dates | | |
|---------------------------|--------------|---------------------|------------------|----------------|
| | | Original Request | Revisions | |
| Flow | | | | |
| 1 | 467 | February 15, 1996 | April 8, 1997 | |
| 2 | 468 | February 15, 1996 | April 8, 1997 | |
| 3 | 506 | February 15, 1996* | March 14, 1997 | April 8, 1997 |
| 4 | 507 | February 15, 1996* | March 14, 1997 | April 8, 1997 |
| 5 | 513 | January 10, 1997 | March 5, 1997 | April 30, 1998 |
| 6 | 485 | November 15, 1996 | December 4, 1996 | |
| 7 | 519 | November 15, 1996** | July 23, 1997 | |
| 8 | 622a | February 20, 1998 | March 10, 1998 | |
| Joint POD | | | | |
| 1 | 467 | February 15, 1996 | | |
| 2 | 469* | February 15, 1996 | | |
| 3 | 501 | August 6, 1996*** | | |
| 4 | 501a | August 6, 1996*** | | |
| 5 | 524 | August 6, 1996*** | | |
| 6 | 525 | August 6, 1996*** | | |
| 7 | 526 | August 6, 1996*** | | |
| 8 | 526a | August 6, 1996*** | | |
| 9 | 634 | February 20, 1998 | March 10, 1998 | |
| Cumulative Impacts | | | | |
| | 492 | November 15, 1996 | January 14, 1997 | |

* Flow Alternatives 3 and 4 were originally modeled as DWRSIM study 469.

** Flow Alternative 7 was originally modeled as DWRSIM study 482.

*** Dates indicate requests from the DWR to the SWRCB.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR SWRCB
BASE STUDY WITH D-1485 DELTA STANDARDS
(FLOW ALTERNATIVE 1 AND JOINT POINT OF DIVERSION ALTERNATIVE 1)
1995C6FSWRCB-467**

In addition to meeting D-1485 Delta standards, Base Study 467 meets selected upstream ESA requirements and CVPIA flow criteria.

I. New Model Features

A new DWRSIM version with the following enhancements is employed:

- A new SWP and CVP south-of-Delta delivery logic uses (i) runoff forecast information and uncertainty (not perfect foresight), (ii) a delivery versus carryover risk curve and (iii) a standardized rule (Water Supply Index versus Demand Index Curve) to estimate the total water available for delivery and carryover storage. The new logic updates delivery levels monthly from January 1 through May 1 as water supply parameters become more certain. Refer to Leaf and Arora (1996) for additional information on the new delivery logic.
- An expanded network schematic includes more details in the Delta and along the DMC and SWP-CVP Joint Reach facility.
- A network representation of the San Joaquin River basin was adapted from USBR's SANJASM model. The San Joaquin River basin schematic was expanded to include (i) the Tuolumne River upstream to Hetch Hetchy and Cherry/Eleanor Reservoirs, (ii) the Merced River upstream to Lake McClure, (iii) the Chowchilla and Fresno Rivers upstream to Eastman and Hensley Lakes, respectively, and (iv) the San Joaquin River upstream to Millerton Lake.
- Contra Costa Water District's "G" model is used to relate Delta flows and salinities. Refer to Denton (1993) for additional information on the procedure.
- References:
 - Leaf, R.T. and Arora, S.K. (1996). "Annual Delivery Decisions in the Simulation of the California State Water Project and Federal Central Valley Project using DWRSIM." Proceedings 1996 North American Water and Environment Congress, ASCE, C.T. Bathala, Ed.
 - Denton, R.A. (1993). "Accounting for Antecedent Conditions in Seawater Intrusion Modeling - Applications for the San Francisco Bay-Delta." Proceedings 1993 National Conference on Hydraulic Engineering, ASCE, H.W. Shen, Ed.

II. Instream Flow Requirements

- Trinity River minimum fish flows below Lewiston Dam are maintained at 340 TAF/year for all years, based on a May 1991 letter agreement between the USBR and the U.S. Fish and Wildlife Service.
- Sacramento River navigation control point (NCP) flows are maintained at 5,000 cfs in wet and above normal water years and 4,000 cfs in all other years. This criteria is relaxed to 3,500 cfs when Shasta carryover storage drops below 1.9 MAF and is further relaxed to 3,250 cfs when Shasta carryover storage drops below 1.2 MAF.
- Feather River fishery flows are maintained per an agreement between DWR and the Calif. Dept. of Fish & Game (August 26, 1983). In normal years these minimum flows are 1,700 cfs from October through March and 1,000 cfs from April through September. Lower minimum flows are allowed in low runoff years and when Oroville storage drops below 1.5 MAF. A maximum flow restriction of 2,500 cfs for October and November is maintained per the agreement criteria.
- Stanislaus River minimum fish flows below New Melones Reservoir range from 98 TAF/year up to 302 TAF/year, according to the interim agreement (dated June 1987) between the USBR and the Calif. Dept. of Fish & Game. The actual minimum fish flow for each year is based on the water supply available for that year. Additional minimum flow requirements are imposed in June through September (15.2 - 17.4 TAF per month) to maintain dissolved oxygen levels in the Stanislaus River. Channel capacity below Goodwin Dam is assumed to be 8,000 cfs. CVP contract demands above Goodwin Dam are met as a function of New Melones Reservoir storage and inflow per an April 26, 1996 letter from USBR to SWRCB.
- Tuolumne River minimum fishery flows below New Don Pedro Dam are maintained per an agreement between Turlock and Modesto Irrigation Districts, City of San Francisco, Dept. of Fish & Game and others (FERC Agreement 2299). Base flows range from 50 cfs to 300 cfs. Base and pulse flow volumes depend on time of the year and water year type.
- Instream flow requirements are maintained in accordance with CVPIA criteria (see Item III) at the following locations: below Keswick Dam on the Sacramento River, below Whiskeytown Dam on Clear Creek and below Nimbus Dam on the American River.

III. CVPIA Flow Criteria

The following CVPIA flow criteria are in accordance with an April 26, 1996 letter from USBR to SWRCB:

- Flow objectives between 3,250 cfs and 5,500 cfs are maintained below Keswick Dam on the Sacramento River. Flow requirements during October through April are triggered by Shasta carryover storage.
- Flow objectives between 52 cfs and 200 cfs are maintained below Whiskeytown Dam on Clear Creek, depending on month and year type.

- Flow objectives between 250 cfs and 4,500 cfs are maintained below Nimbus Dam on the American River. Flow requirements during October through February are triggered by Folsom carryover storage. Flow requirements during March through September are triggered by previous month storage plus remaining water year inflows.

IV. Trinity River Imports

Imports from Clair Engle Reservoir to Whiskeytown Reservoir (up to a 3,300 cfs maximum) are specified according to USBR criteria. Imports vary according to month and previous month Clair Engle storage.

V. Hydrology (HYD-C06F)

A new 1995 level hydrology, HYD-C06F, was developed similar to HYD-C06B described in a June 1994 memorandum report entitled "Summary of Hydrologies at the 1990, 1995, 2000, 2010 and 2020 Levels of Development for Use in DWRSIM Planning Studies" published by DWR's Office of State Water Project Planning. HYD-C06B was based on DWR Bulletin 160-93 land use projections and simulates the 71 year period 1922-92. HYD-C06F, developed through consultation with USBR to address differences in San Joaquin basin hydrology, simulates two additional years (through 1994) and includes the following major modifications compared to HYD-C06B:

- Stand-alone HEC-3 models of the American, Yuba and Bear River subsystems were updated and extended through 1994. Yuba River minimum fishery flows below Bullards Bar Dam were not modified to reflect new FERC requirements. According to consultants for the Yuba County Water Agency, water supply impacts of the new requirements are not substantially different from those modeled in HYD-C06B.
- Mokelumne River minimum fishery flows below Camanche Dam are modeled in HYD-C06F per an agreement between EBMUD, U.S. Fish and Wildlife Service, and Calif. Dept. of Fish & Game (FERC Agreement 2916). Base flows range from 100 cfs to 325 cfs from October through June, depending on time of the year and water year type. Base flows are maintained at 100 cfs from July through September for all water year types. Water year types are determined by reservoir storage and unimpaired runoff. For the months of April through June, additional pulse flows are maintained up to 200 cfs depending on water year type and reservoir storage.
- Historical 1993-94 land use was estimated by linear interpolation between 1990 and 2000 normalized projected levels.

VI. Pumping Plant Capacities, Coordinated Operation & Wheeling

- SWP Banks Pumping Plant average monthly capacity with 4 new pumps is 6,680 cfs (or 8,500 cfs in some winter months) in accordance with USACE October 31, 1981 Public Notice criteria. Pumping is limited to 3,000 cfs in May and June and 4,600 cfs in July to comply with D-1485 criteria for striped bass survival. Additionally, per a January 5, 1987 interim agreement between DWR and the Calif. Department of Fish & Game, SWP

pumping is limited to 2,000 cfs in any May or June in which storage withdrawals from Oroville Reservoir are required.

- CVP Tracy Pumping Plant capacity is 4,600 cfs, but constraints along the Delta Mendota Canal and at the relift pumps (to O'Neil Forebay) can restrict export capacity as low as 4,200 cfs. Pumping is limited to 3,000 cfs in May and June in accordance with D-1485 criteria for striped bass survival.
- CVP/SWP sharing of responsibility for the coordinated operation of the two projects is maintained per the Coordinated Operation Agreement. Storage withdrawals for in-basin use are split 75 percent CVP and 25 percent SWP. Unstored flows for storage and export are split 55 percent CVP and 45 percent SWP.
- Wheeling of CVP water through SWP facilities to San Luis Reservoir is permitted as needed to offset the CVP Tracy Pumping Plant's compliance with D-1485 criteria in May and June. SWP pumping capacity is made available so that CVP wheeling is completed in July and August of each year.
- CVP water is not wheeled to meet Cross Valley Canal demands.
- Enlarged East Branch aqueduct capacities are assumed from Alamo Powerplant to Devil Canyon Powerplant.

VII. Target Reservoir Storage

- Shasta Reservoir carryover storage is maintained at or above 1.9 MAF in all normal water years for winter-run salmon protection per the NMFS biological opinion. However, in critical years following critical years, storage is allowed to fall below 1.9 MAF to 1.2 MAF (and lower in extremely dry years).
- Folsom Reservoir storage capacity was reduced from 1010 TAF down to 975 TAF due to sediment accumulation as calculated from a 1992 reservoir capacity survey.
- Folsom flood control criteria are in accordance with the December 1993 USACE report "Folsom Dam And Lake Operation Evaluation". This criteria uses available storage in upstream reservoirs such that the maximum flood control reservation varies from 400 TAF to 670 TAF.

VIII. SWP Demands, Deliveries & Deficiencies

- Deficiencies are imposed as needed per Monterey Agreement criteria and are calculated from the following 1996 Table A entitlements assuming zero entitlements and deliveries to Santa Barbara and San Luis Obispo Counties through the Coastal Aqueduct:

| | |
|---------------------------|----------------|
| Agricultural Entitlements | 1,175 TAF/year |
| M & I Entitlements | 2,869 TAF/year |
| Recreation & Losses | 64 TAF/year |
| Total Entitlements | 4,108 TAF/year |

- Maximum SWP Contractor deliveries are designed to vary in response to local wetness indexes. As such, maximum deliveries are reduced in the wetter years, assuming greater availability of local water supplies.

1. Deliveries to San Joaquin Valley agricultural contractors are reduced in wetter years using the following index developed from annual Kern River inflows to Lake Isabella:

| | Dry/Avg. | Above | Wet |
|----------------------------|----------|-------------|-------|
| Kern River flow (TAF/year) | <1,000 | 1,000-1,400 | 1,400 |
| Max. Ag delivery (TAF) | 1,175 | 1,100 | 915 |

2. Deliveries to Metropolitan Water District of Southern California are reduced in wetter years using the 10-station, two-year average precipitation index:

| | Dry | Avg. | Above | Wet |
|---------------------------------|-------|---------|---------|------|
| S. Calif. Precipitation (in/yr) | <15 | 15-17.9 | 18-20.9 | 20.9 |
| Max. MWDSC delivery (TAF) | 1,433 | 1,183 | 883 | 783 |

3. Maximum deliveries to all other SWP M&I Contractors are NOT adjusted for a wetness index, and are set at 857 TAF/year in all years. As a result of the use of these wetness indexes, the total maximum delivery to all SWP Contractors varies by year, ranging between 3,529 TAF in the dry-average years down to 2,619 TAF in the wetter years, as follows:

| | Dry/Avg. | Avg. | Above | Wet |
|----------------------------|----------|----------------|-------|-----|
| Max. Ag delivery | 1,175 | 1,175 | 1,100 | 915 |
| Max. MWDSC delivery | 1,433 | 1,183 | 883 | 783 |
| Max. Other M&I delivery | 857 | 857 | 857 | 857 |
| Fixed Losses & Recreation | 64 | 64 | 64 | 64 |
| Total Maximum SWP Delivery | 3,529 | (total varies) | 2,619 | |

A range of maximum SWP deliveries is possible as the two wetness indexes are independent of each other. Thus a given year may be classified as "average" for agricultural deliveries by the Kern River flow index, and at the same time be classified as "above average" or "wet" for MWDSC deliveries by the Southern California precipitation index.

- When available, "interruptible" water is delivered to SWP south-of-Delta contractors in accordance with the following assumptions based on the Monterey Amendment White Paper redraft dated September 28, 1995:
 1. Interruptible water results from direct diversions from Banks Pumping Plant. It is not stored in San Luis Reservoir for later delivery to contractors.
 2. A contractor may accept interruptible water in addition to its monthly scheduled entitlement water. Therefore, the contractor may receive water above its Table A amount for the year. Interruptible water deliveries do not impact entitlement water

allocations.

3. If demand for interruptible water is greater than supply in any month, the supply is allocated in proportion to the Table A entitlements of those contractors requesting interruptible water. The maximum demand assumed for interruptible water is 84 TAF per month.

IX. CVP Demands, Deliveries & Deficiencies

- 1995 level CVP demands, including canal losses but excluding wildlife refuges are assumed as follows (see Item IXB below for refuge demands):

| | | |
|-------------------------|---|----------------|
| Contra Costa Canal | = | 140 TAF/year |
| DMC and Exchange | = | 1,561 |
| CVP San Luis Unit | = | 1,260 |
| San Felipe Unit | = | 196 |
| Cross Valley Canal | = | 128 |
| Total CVP Delta Exports | = | 3,285 TAF/year |

Including wildlife refuges, total CVP demand is 3,563 TAF/year. CVP Delta export demands are reduced in certain wet years (in the San Joaquin River Basin) when "James" bypass flows are available in the Mendota Pool.

- Sacramento Valley refuge demands are modeled implicitly in the hydrology through rice field and duck club operations. Sacramento Valley refuges include Gray Lodge, Modoc, Sacramento, Delevan, Colusa and Sutter. Level II refuge demands in the San Joaquin Valley are explicitly modeled at an assumed level of 288 TAF/year. San Joaquin refuges include Grasslands, Volta, Los Banos, Kesterson, San Luis, Mendota, Pixley, Kern and those included in the San Joaquin Basin Action Plan.
- CVP South-of-Delta deficiencies are imposed when needed by contract priority. Contracts are classified into four groups: agricultural (Ag), municipal and industrial (M&I), Exchange and Refuge. Deficiencies are imposed in accordance with the Shasta Index and sequentially according to the following rules:
 1. Ag requests are reduced up to a maximum of 50 percent.
 2. Ag, M&I and Exchange requests are reduced by equal percentages up to a maximum of 25 percent. At this point, cumulative Ag deficiencies are 75 percent.
 3. Ag, M&I and Refuge requests are reduced by equal percentages up to a maximum of 25 percent. At this point, cumulative Ag and M&I deficiencies are 100 percent and 50 percent, respectively.
 4. M&I requests are reduced until cumulative deficiencies are 100 percent.
 5. Further reductions are imposed equally upon Exchange and Refuge.
- Deficiencies in the form of "dedicated" water and "acquired" water to meet 800 TAF/year

CVPIA demands are not imposed.

X. Delta Standards

- Delta water quality standards are maintained at Contra Costa Canal intake (M&I), Emmaton and Jersey Point (agriculture), and Antioch, Chipps Island and Collinsville (fish & wildlife) in accordance with D-1485. A "buffer" was added to insure that the M&I standard at Contra Costa Canal is maintained on a daily basis. Thus, DWRSIM uses a value of 130 mg/L for the 150 mg/L standard and a value of 225 mg/L for the 250 mg/L standard. The following water quality objectives are not modeled:
 1. The 250 mg/L M&I chloride standards at Cache Slough, Clifton Court Forebay and Tracy Pumping Plant
 2. The agriculture EC standards on the Mokelumne River (at Terminous) and on the San Joaquin River (at San Andreas Landing)
 3. The fish and wildlife EC standards on the San Joaquin River (at Prisoner's Point)
- Minimum Sacramento River flow (at Rio Vista) and Delta outflow requirements (at Chipps Island) are maintained in accordance with D-1485. Water year classifications are determined using the Sacramento River Index as published in DWR Bulletin 120.
- Delta cross channel gates are closed in January through May when the Delta Outflow Index is greater than 12,000 cfs in accordance with D-1485. Additionally, the gates are closed in any month when upstream Sacramento River flows are greater than 25,000 cfs.
- The D-1422 San Joaquin River water quality objective at Vernalis (500 ppm TDS) is maintained by releasing water from New Melones Reservoir. A 70 TAF/year cap on reservoir releases is not imposed. If New Melones Reservoir storage drops to 80 TAF (per an April 26, 1996 letter from USBR to SWRCB), additional water is not provided for salinity control and the water quality standard is violated.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR SWRCB
STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(FLOW ALTERNATIVE 2) 1995C6F-SWRCB-468**

Base Study 467 (Flow Alternative 1) assumptions are modified as follows to meet SWRCB's May 1995 Water Quality Control Plan (Plan).

I. Water Year Classifications

- The Sacramento Valley 40-30-30 Index (as defined on page 23 of the Plan) is used to determine year types for Delta outflow criteria and Sacramento River system requirements unless otherwise specified in the Plan.
- The San Joaquin Valley 60-20-20 Index (page 24) is used to determine year types for flow requirements at Vernalis.
- The Sacramento River Index, or SRI (Footnote 6, page 20), is used to trigger relaxation criteria related to May-June Net Delta Outflow Index (NDOI) and salinity in the San Joaquin River and western Suisun Marsh.
- The Eight River Index (Footnote 13, page 20) is used to trigger criteria related to (i) January NDOI, (ii) February-June X2 standards and (iii) February export ratio.

II. Agricultural Water Quality Objectives (Table 2, page 17)

- EC standards at Vernalis are maintained as specified in the Plan (0.7 EC in April through August and 1.0 EC in September through March). A 70 TAF/year cap is not imposed on additional upstream releases from New Melones Reservoir to meet salinity requirements.
- The export area 1.0 EC standards at Clifton Court Forebay and Tracy Pumping Plant are not modeled.

III. Fish & Wildlife Water Quality Objectives: SJR Salinity (Table 3, page 18)

- The 0.44 EC standard is maintained at Jersey Point in April and May of all but critical years. Per Footnote 6 (page 20), this criteria is dropped in May if the projected SRI is less than 8.1 MAF.
- The salinity requirement at Prisoners Point is not modeled.

IV. Fish & Wildlife Water Quality Objectives: Suisun Marsh Salinity (Table 3, page 18)

- The western Suisun Marsh salinity standard is not modeled.

V. Fish & Wildlife Water Quality Objectives: Delta Outflow (Table 3, page 19)

- Minimum required NDOI (cfs) is maintained as follows:

| Year Type | Oct | Nov | Dec | Jan | Feb-Jun | Jul | Aug | Sep |
|--------------|-------|-------|-------|-----|---------|-------|-------|-------|
| Wet | 4,000 | 4,500 | 4,500 | * | ** | 8,000 | 4,000 | 3,000 |
| Above Normal | 4,000 | 4,500 | 4,500 | * | ** | 8,000 | 4,000 | 3,000 |
| Below Normal | 4,000 | 4,500 | 4,500 | * | ** | 6,500 | 4,000 | 3,000 |
| Dry | 4,000 | 4,500 | 4,500 | * | ** | 5,000 | 3,500 | 3,000 |
| Critical | 3,000 | 3,500 | 3,500 | * | ** | 4,000 | 3,000 | 3,000 |

* January: Maintain either 4,500 cfs or 6,000 cfs if the December Eight River Index was greater than 800 TAF (per Footnote 13 page 20).

** February-June: Maintain 2.64 EC standards (X2) as described in Item V.B below.

- For February through June, outflow requirements are maintained in accordance with the 2.64 EC criteria (also known as X2) using the required number of days at Chipps Island (74 km) and Roe Island (64 km). See Footnote 14 for Table 3 (Table A) page 26.
 1. At the Confluence (81 km), the full 150 days (February 1 - June 30) of 2.64 EC is maintained in all years, up to a maximum required flow of 7,100 cfs. This requirement is dropped in May and June of any year for which the projected SRI is less than 8.1 MAF. In those years when the criteria is dropped, a minimum outflow of 4,000 cfs is maintained in May and June.
 2. The criteria -- "If salinity/flow objectives are met for a greater number of days than the requirements for any month, the excess days shall be applied to meeting the requirements for the following month" -- is not modeled. See Footnote "a" of Footnote 14 for Table 3 (Table A).
 3. The Kimmerer-Monismith monthly equation is used to calculate outflow required (in cfs) to maintain the EC standard (average monthly position in kilometers). In this equation the EC position is given and Delta outflow is solved for.

$$\text{EC position} = 122.2 + [0.3278 * (\text{previous month EC position in km})] - [17.65 * \log_{10}(\text{current month Delta outflow in cfs})]$$

In months when the EC standard is specified in more than one location (e.g. 19 days at the confluence and 12 days at Chipps Island), required outflow for the month is computed as a flow weighted average of the partial month standards.

- C. Additional details on the 2.64 EC criteria are modeled as follows:
 1. The trigger to activate the Roe Island standard is set at 66.3 km from the previous month, as an average monthly value.
 2. The maximum required monthly outflows to meet the 2.64 EC standard are capped at the following limits: 29,200 cfs for Roe Island; 11,400 cfs for Chipps Island; and 7,100 cfs for the Confluence.

3. Relaxation criteria for the February Chipps Island standard is a function of the January Eight River Index as follows:
 1. X2 days = 0 if the Index is less than 0.8 MAF
 2. X2 days = 28 if the Index is greater than 1.0 MAF
 3. X2 days vary linearly between 0 and 28 if the Index is between 0.8 MAF and 1.0 MAF

VI. Fish & Wildlife Water Quality Objectives: River Flows (Table 3, page 19)

- Minimum Sacramento River flow requirements (cfs) at Rio Vista are maintained as follows:

| Year Type | Sep | Oct | Nov | Dec |
|--------------|-------|-------|-------|-------|
| Wet | 3,000 | 4,000 | 4,500 | 4,500 |
| Above Normal | 3,000 | 4,000 | 4,500 | 4,500 |
| Below Normal | 3,000 | 4,000 | 4,500 | 4,500 |
| Dry | 3,000 | 4,000 | 4,500 | 4,500 |
| Critical | 3,000 | 3,000 | 3,500 | 3,500 |

- From February 1 through June 30, minimum flows on the San Joaquin River at Vernalis are maintained per the table below. For each period, the higher flow is required whenever the 2.64 EC Delta outflow position is located downstream of Chipps Island (<74 km). If the 2.64 EC Delta outflow position is upstream of Chipps Island (74 km), then the lower flow requirement is used.

| Year Type | Minimum Flows at Vernalis (cfs) | |
|--------------|---------------------------------|----------------|
| | Feb1-Apr14 & May16-Jun30 | April15-May15 |
| Wet | 2,130 or 3,420 | 7,330 or 8,620 |
| Above Normal | 2,130 or 3,420 | 5,730 or 7,020 |
| Below Normal | 1,420 or 2,280 | 4,620 or 5,480 |
| Dry | 1,420 or 2,280 | 4,020 or 4,880 |
| Critical | 710 or 1,140 | 3,110 or 3,540 |

- For the month of October, the minimum flow requirement at Vernalis is 1,000 cfs in all years PLUS a 28 TAF pulse flow (per Footnote 19, page 21). The 28 TAF pulse (equivalent to 455 cfs monthly) is added to the actual Vernalis flow, up to a maximum of 2,000 cfs. The pulse flow requirement is not imposed in a critical year following a critical year. These two components are combined as an average monthly requirement as follows:

| October Minimum Flows at Vernalis (cfs) | |
|---|-----------------|
| Base Flow | Required Flow |
| <1,000 | 1,455 |
| 1,000-1,545 | Base Flow + 455 |
| 1,545 | 2,000 |

- The above flow requirements at Vernalis are maintained primarily by releasing additional

water from New Melones Reservoir. In years when New Melones Reservoir drops to a minimum storage of 80 TAF (per April 26, 1996 letter from USBR to SWRCB), additional water is not provided to meet the Vernalis flow requirements. Pulse and salinity requirements may be violated when New Melones drops to minimum storage.

VII. Fish & Wildlife Water Quality Objectives: Export Limits (Table 3, page 19)

- A. Ratios for maximum allowable Delta exports are specified as a percentage of total Delta inflow as follows:

| | | | | | | | | | | | |
|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|
| Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 65 | 65 | 65 | 65 | 45-35 | 35 | 35 | 35 | 35 | 65 | 65 | 65 |

- In February the export ratio is a function of the January Eight River Index per Footnote 25, page 22 as follows:
 4. 45% if the Jan. 8-River Index is less than 1.0 MAF
 5. 35% if the Jan. 8-River Index is greater than 1.5 MAF
 6. Varies linearly between 45% and 35% if the January Eight River Index is between 1.0 MAF and 1.5 MAF.
- For this ratio criteria, total Delta exports are defined as the sum of pumping at the SWP Banks and CVP Tracy Pumping Plants. Total Delta inflow is calculated as the sum of river flows from the Sacramento River, Yolo Bypass, total from the Eastside stream group, and San Joaquin River inflow. Delta area precipitation and consumptive uses are not used in this ratio.
- Based on Footnote 22 page 21, April and May total Delta export limitations are modeled as follows:
 7. April 15 - May 15 exports are limited to 1,500 cfs OR 100 percent of the San Joaquin River flow at Vernalis, whichever is greater.
 8. April 1-14 and May 16-31 export limits are controlled by either the export/inflow ratio (35%) or pumping plant capacity, whichever is smaller.

VIII. Fish & Wildlife Water Quality Objectives: Delta Cross Channel (Table 3, page 19)

- The Delta Cross Channel is closed 10 days in November, 15 days in December and 20 days in January for a total closure of 45 days per Footnote 26, page 22.
- The Delta Cross Channel is fully closed from February 1 through May 20 of all years and is closed an additional 14 days between May 21 and June 15 per Footnote 27, page 22.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(FLOW ALTERNATIVE 3) 1995C6F-SWRCB-506**

Study 469 (Joint POD Alternative 2) assumptions are modified in accordance with the SWRCB Revised Modeling Request dated April 8, 1997. The Central Valley Project and the State Water Project are operated to achieve full compliance with all objectives in the 1995 Bay-Delta Plan.

1. San Joaquin River flows are modified with revised releases from New Melones, Don Pedro, Lake McClure, Eastman Lake and Hensley Lake as per Table No's 1 to 5 for Alternative 3, provided in the Request. These quantities of water must be released at these reservoirs and conveyed to Vernalis and the Delta.
2. San Joaquin River flows are modified by holding back monthly quantities of water which are not diverted in the San Joaquin Basin as a result of curtailment of direct diversion as per Table No's 10 to 16 for Alternative 3, provided in the Request. The values in these tables are subtracted from actual diversions at the indicated Control Points. If the values in these tables exceeded the modeled diversions, the modeled diversions are set to Zero.
3. If the additional water provided upstream of the Stanislaus is insufficient to meet the SWRCB's May 1995 Water Quality Control Plan flow objectives at Vernalis, additional releases are made from New Melones Reservoir.
4. In years when New Melones Reservoir approaches its minimum storage of 80 TAF, additional water is not provided to meet salinity requirements and violations are possible.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(FLOW ALTERNATIVE 4) 1995C6F-SWRCB-507**

Study 469 (Joint POD Alternative 2) assumptions are modified in accordance with the SWRCB Revised Modeling Request dated April 8, 1997. The Central Valley Project and the State Water Project are operated to achieve full compliance with all objectives in the 1995 Bay-Delta Plan.

1. San Joaquin River flows are modified with revised releases from New Melones, Don Pedro, Lake McClure, Eastman Lake and Hensley Lake as per Table No's 1 to 5 for Alternative 4, provided in the Request. These quantities of water must be released at these reservoirs and conveyed to Vernalis and the Delta.
2. San Joaquin River flows are modified by holding back monthly quantities of water which are not diverted in the San Joaquin Basin as a result of curtailment of direct diversion as per Table No's 10 to 16 for Alternative 4, provided in the Request. The values in these tables are subtracted from actual diversions at the indicated Control Points. If the values in these tables exceeded the modeled diversions, the modeled diversions are set to Zero.
3. If the additional water provided upstream of the Stanislaus is insufficient to meet the SWRCB's May 1995 Water Quality Control Plan flow objectives at Vernalis, additional releases are made from New Melones Reservoir.
4. In years when New Melones Reservoir approaches its minimum storage of 80 TAF, additional water is not provided to meet salinity requirements and violations are possible.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(FLOW ALTERNATIVE 5) 1995C06H-SWRCB-513**

Study 1995C06F-SWRCB-469 assumptions are modified in accordance with the SWRCB Revised Modeling Request dated January 10, 1997 and subsequent request of March 5, 1997. The Central Valley Project and the State Water Project are operated to achieve full compliance with all objectives in the 1995 Bay-Delta Plan.

1. This alternative applies to the following major water users.
 - 1) Water users with storage in foothill reservoirs that control downstream flow to the Delta.
 - 2) Water users with upstream reservoirs that have a cumulative capacity of at least 100 thousand acre-feet (TAF) and who use water primarily for consumptive uses.
2. The major tributaries with water users who meet the above criteria are listed in SWRCB's January 10, 1997 request. The minimum flow requirements for the major tributaries to the Delta based on the flow objectives and the tributaries' average unimpaired flow to the Delta, were provided by SWRCB in January 10, 1997 request. Minimum flow objectives for the three tributaries, the Yuba, Bear, and Tuolumne rivers, were revised as per SWRCB's March 5, 1997 request.
3. The flows for the Sacramento, Feather, and American rivers are assumed to be controlled by SWP and CVP reservoirs that provide export supplies and the reservoirs are not operated to meet the minimum flow requirements specified for these rivers in the January 10, 1997 memo. Instead, the project reservoirs are operated to insure that the May 1995 Water Quality Control Plan outflow objectives are achieved.
4. The 40-30-30 and 60-20-20 indices are used in applying these objectives to the Sacramento River and the San Joaquin River watersheds, respectively in October and February thru June. For the remaining months, use the 40-30-30 index for both watersheds.
5. In preparing DWRSIM study for Alternative #5, the hydrology input was modified to reflect the minimum flows imposed on selected watersheds, as outlined in the memorandums from the SWRCB to DWR dated January 10, 1997, March 5, 1997, revisions dated July 14, 1997, and conversations between DWR and SWRCB staff. The new 1995 level hydrology developed is called HYD-C06h and reflects changes made to the base 1995 level hydrology HYD-C06f.

In the Sacramento Valley and Eastside Streams areas, monthly minimum flows by water year type were imposed on the following watersheds:

Stony Creek
 Yuba River
 Bear River
 Cosumnes River
 Calaveras River
 Mokelumne River

For Stony Creek, Cosumnes River, and Calaveras River watersheds, the minimum flows were built into the Depletion Analysis directly. For the Yuba River and Bear River watersheds, the minimum flows were imposed on selected control points in the respective HEC-3 models. Diversions (exports and depletions) were reduced to meet the minimum flows. For the Mokelumne River watershed, an operation for Pardee/Camanche reservoirs reflecting the SWRCB minimum flows on the Mokelumne river was obtained from EBMUD at the request of SWRCB staff. The operation was then included in the hydrology development process.

- San Joaquin River Basin minimum flow requirements are met at the confluence of the San Joaquin River with its major tributaries modeled by DWRSIM and are carried through the system to the San Joaquin River at Vernalis. Additional minimum flows are as follows: A minimum inflow into New Don Pedro Reservoir is specified as detailed in the March 5, 1997 SWRCB memo. Existing minimum flow requirements on the Merced, Tuolumne and Stanislaus Rivers are met in addition to flows specified below. Flows are met downstream of each specified location. Deficiencies are applied to upstream demands if necessary to meet the minimum flow requirements. The table below lists the DWRSIM control point numbers where minimum flows are met and the upstream control points where deficiencies (if any) are applied.

DWRSIM Minimum Flow and Deficiency Control Points

| Tributary | Minimum Flow Control Point Number | Deficiency Control Point Number |
|-------------------|--|--|
| San Joaquin River | 610 | 602 |
| Fresno River | 626 | 624 |
| Chowchilla River | 634 | 634 |
| Merced River | 649 | 645 |
| Tuolumne River | 665 | 659 & 662 |
| Stanislaus River | 675 | 670 & 16 |

7. If the additional water provided upstream of the Stanislaus is insufficient to meet the SWRCB's May 1995 Water Quality Control Plan flow objectives at Vernalis, New Melones Reservoir was operated to ensure that the Vernalis salinity objectives are met. In years when New Melones Reservoir approaches its minimum storage of 80 TAF, additional water is not provided to meet salinity requirements and violations are possible.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(FLOW ALTERNATIVE 6) 1995C6F-SWRCB-485**

Study 468 (Flow Alternative 2) assumptions are modified as follows:

In addition to Vernalis X2 and pulse requirements specified in the 1995 WQCP (see December 4, 1996 memo from SWRCB to DWR), following South Delta flow requirements are also imposed at Vernalis:

| <u>Month</u> | <u>Flow (cfs)</u> |
|--------------|-------------------|
| June | 1120 |
| July | 1400 |
| August | 1330 |
| September | 1060 |
| November | 760 |
| December | 720 |
| January | 570 |

Recirculation water is provided from the Delta Mendota Canal, if necessary, to meet all flow objectives at Vernalis (I.e. February-June and October WQCP requirements as well as the South Delta flow requirements outlined above).

1. While South Delta flow obligations could be shared among all San Joaquin Basin tributaries, it is assumed for simplicity that DMC recirculation water meets the entire obligation.
2. Wheeling of CVP water through SWP facilities to CVP San Luis Reservoir is permitted, as needed, without adversely impacting SWP operations.
3. When DMC conveyance capacity is limiting, CVP deliveries are reduced, as necessary, to provide recirculation water to meet Vernalis requirements on a priority.
4. Recirculation water salinity is assumed to be equal to 70 percent of Rock Slough salinity, as determined by the CCWD's G- model.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(FLOW ALTERNATIVE 7) 1995C6F-SWRCB-519**

Study 468 (Flow Alternative 2) assumptions are modified as follows in accordance with the document "Hydrological and Biological Explanation of the Letter of Intent Among Export Interests and San Joaquin River Interests to Resolve San Joaquin River Issues Related to Protection of Bay-Delta Environmental Resources." and are in accordance with the SWRCB Revised Modeling Request dated July 23, 1997.

1. Additional water is provided from the San Joaquin River upstream of its confluence with the Stanislaus, if necessary, to maintain the following minimum flows at Vernalis:

| Month(s) | Critical Years | Dry Years | Below Normal Years | Above Normal & Wet Years |
|--------------------------|-----------------------|------------------|---------------------------|-------------------------------------|
| October | 1,000 cfs | 1,000 cfs | 1,000 cfs | 1,000 cfs |
| November 1 - February 14 | ----- | ----- | ----- | ----- |
| February 15- April 30 | 1,000 cfs | 1,000 cfs | 1,000 cfs | 1,000 cfs |
| May | 2,000 cfs | 3,000 cfs | 4,000 cfs | 5,000 cfs |
| June - September | ----- | ----- | ----- | ----- |

(a) As shown in the above schedule, April-May pulse flow requirements were placed entirely in May to compute additional water to be provided upstream of the Stanislaus River. This additional water was uniformly distributed in the period April 15-May 15.

(b) Responsibility to provide additional water upstream of the Stanislaus River is shared among the Tuolumne (New Don Pedro Reservoir) and Merced (Lake McClure) River basins, as per January 13, 1997 letter from Marc Van Camp to SWRCB. The order of contributions is as follows.

- 1.** 25,000 AF - Merced Irrigation District
- 2.** 10,000 AF - Oakdale/South San Joaquin Irrigation Districts
- 3.** 5,000 AF - San Joaquin River Exchange Contractors
- 4.** 10,000 AF - Modesto/Turlock Irrigation Districts
- 5.** 6,000 AF - Merced Irrigation District
- 6.** 2,400 AF - Oakdale/South San Joaquin Irrigation Districts
- 7.** 1,200 AF - San Joaquin River Exchange Contractors
- 8.** 2,400 AF - Modesto/Turlock Irrigation Districts.

Note that due to modeling complexities exchange contractors allocated share

was not modeled.

Note that Modesto/Turlock Irrigation Districts and Merced Irrigation District obligations are met directly by reoperation of New Don Pedro Reservoir and Lake McClure.

2. Stanislaus R. minimum fishery flows below Goodwin Dam are maintained as follows:

| Month(s) | Critical Years | Dry & Below Normal Years | Above Normal & Wet Years |
|------------------|-----------------------|-------------------------------------|-------------------------------------|
| October | 225 cfs | 225 cfs | 250 cfs |
| November - April | 225 cfs | 240 cfs | 275 cfs |
| May | 650 cfs | 960 cfs | 1,070 cfs |
| June | 200 cfs | 200 cfs | 200 cfs |
| July - September | 50 cfs | 50 cfs | 75 cfs |
| Annual Minimum | 156,000 acre-ft | 181,000 acre-ft | 206,000 acre-ft |

Note that May pulse requirement was uniformly distributed in the period April15-May15.

3. Tuolumne R. minimum fishery flows below New Don Pedro Dam are maintained as follows:

| Month(s) | Critical Years | Dry Years | Below Normal Years | Above Normal & Wet Years |
|------------------|-----------------------|------------------|---------------------------|-------------------------------------|
| October | 125 cfs | 150 cfs | 207 cfs | 397 cfs |
| Nov - April (*) | 150 cfs | 150 cfs | 180 cfs | 299 cfs |
| May | 322 cfs | 725 cfs | 920 cfs | 1,761 cfs |
| June - Sept (**) | 50 cfs | 75 cfs | 75 cfs | 250 cfs |
| Annual Minimum | 94,000 acre-ft | 125,700 acre-ft | 152,200 acre-ft | 300,700 acre-ft |

Note that May pulse requirement was uniformly distributed in the period April15-May15.

(*) February requirement in critical years is 160 cfs.

(**) June and September requirements in below normal and dry years are 76 cfs.

4. 49 TAF/yr is delivered to CVP contractors on the Stanislaus River above Goodwin Dam in wet and above normal water years. No deliveries are made in other water years.

5. Water quality releases from New Melones Reservoir are capped at 70 TAF/year.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
AND VERNALIS ADAPTIVE MANAGEMENT PLAN (VAMP)
ALTERNATIVE 8 (1995C06F-SWRCBDS-622A)**

Study 468 (Flow Alternative 2) assumptions are modified as follows in accordance with the SWRCB Modeling request dated February 20, 1998, revised March 10, 1998, for Vernalis Adaptive Management Plan (VAMP) Modeling. Note all other Accord flow requirements at Vernalis are not imposed.

A. Responsibility for meeting Vernalis objectives is allocated per Vernalis Adaptive Management Plan (VAMP) described below in Section C. The State Water Project and the Central Valley Project are responsible for meeting all other Bay-Delta objectives.

B. The Stanislaus River is operated according to the U. S. Bureau of Reclamation's New Melones Interim Operational Plan except that the minimum annual fish release cannot be less than 98 TAF.

C. Vernalis Adaptive Management Plan (VAMP) Objectives are as follows.

1. The April 15 to May 15 out-migration pulse flow target will be the Test Flow Target immediately greater than the Existing Flow at Vernalis, as given below. Test Flow Target from May 1 to May 15 is set at the same level as April 15 to April 30 target.

| <u>Existing Flow at Vernalis (cfs)</u> | <u>Test Flow Target (cfs)</u> |
|--|-------------------------------|
| 0 to 1,999 | 2,000 |
| 2000 to 3,199 | 3,200 |
| 3,200 to 4,449 | 4,450 |
| 4,450 to 5,699 | 5,700 |
| 5,700 to 7,000 | 7,000 |

2. Double-step the Test Flow Target when the sum of the current year and the previous year 60-20-20 indicator is 7 or greater. In other words, if the existing flow is 5,000 cfs, double step to a 7,000 cfs Test Flow Target.

| <u>60-20-20 Year Type</u> | <u>Indicator</u> |
|---------------------------|------------------|
| Wet | 5 |
| AN | 4 |
| BN | 3 |
| D | 2 |
| C | 1 |

3. In years when the sum of the current year's 60-20-20 indicator and the two previous years indicators is 4 or less, the San Joaquin River Group will not be required to provide supplemental flows above Existing Flows.

4. Water provided for VAMP by the San Joaquin River Group during the pulse flow period of any year shall not exceed the amount of water necessary to achieve the Test Flow Target or 110,000 acre-feet, whichever is less.

5. Supplemental water provided for VAMP (up to 110,000 acre-feet) will be provided from San Joaquin River Group in the following order.

| Entity | Quantity (TAF) | Cumulative (TAF) |
|-----------------|-----------------------|-------------------------|
| Merced ID | 25.0 | |
| OID/SSJID | 10.0 | |
| Exchange Contr. | 5.0 | |
| MID/TID | 10.0 | 50.0 |
| Merced ID | 11.5 | |
| OID/SSJID | 4.6 | |
| Exchange Contr. | 2.3 | |
| MID/TID | 4.6 | 73.0 |
| Merced ID | 8.5 | |
| OID/SSJID | 3.4 | |
| Exchange Contr. | 1.7 | |
| MID/TID | 3.4 | 90.0 |
| Merced ID | 10.0 | |
| OID/SSJID | 4.0 | |
| Exchange Contr. | 2.0 | |
| MID/TID | 4.0 | 110.0 |

Note that due to modeling complexities exchange contractors allocated share was not modeled.

Note that Modesto/Turlock Irrigation Districts and Merced Irrigation District obligations are met directly by reoperation of New Don Pedro Reservoir and Lake McClure.

D. Merced Irrigation District will supplement its Existing Flow during October by 12,500 acre-feet in all years.

E. Oakdale Irrigation District will provide upto 26,000 acre-feet in each year. Up to 11,000 acre-feet of this quantity is OID's contribution towards the VAMP 110,000 acre-feet described above (for the pulse flow period). The remainder of the 26,000 acre-feet is retained in the New Melones Reservoir and is available for use by the CVP any time of the year.

F. During the pulse flow period (April 15 to May 15), exports are limited to the following

quantities:

- a)** When Vernalis flows are less than or equal to 4,450 cfs, combined CVP + SWP exports are limited to 1,500 cfs;
- b)** When Vernalis flows are greater than 4,450 cfs or less than or equal to 5,700 cfs, CVP + SWP exports are limited to 2,250 cfs;
- c)** When Vernalis flows are greater than 5,700 cfs or less than or equal to 7,000 cfs, CVP + SWP exports are limited to either: 1,500 cfs when San Luis Reservoir is at least 2 MAF of storage on April 1, or 3,000 cfs when San Luis Reservoir storage is less;
- d)** When Vernalis flows are greater than 7,000 cfs, combined CVP + SWP exports may not exceed Vernalis flows.

G. In years when New Melones Reservoir approaches its minimum storage of 80 TAF, additional water is not provided to meet salinity requirements and violations are possible.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(JOINT POD ALTERNATIVE 2) 1995C6F-SWRCB-469**

Study 468 (Flow Alternative 2) assumptions are modified as follows:

Additional water is provided from the San Joaquin River upstream of its confluence with the Stanislaus, if necessary, to meet salinity and pulse flow objectives at Vernalis. Additional water requirements are shared equally between the Tuolumne (Don Pedro Reservoir) and Merced (Lake McClure) River basins. If these sources are insufficient to meet objectives at Vernalis, nominal deficiencies are applied to upstream demands. Additional releases from the Tuolumne and Merced Rivers are assumed to be of fresh water quality (50 ppm TDS). Furthermore, it is assumed that these additional releases do not incur losses between the reservoirs and Vernalis.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
JOINT POINTS OF DIVERSION WHEELING STUDY
(JOINT POD ALTERNATIVE 3) 1995C06F-SWRCBJ-501**

This study meets SWRCB'S May 1995 Water Quality Control Plan (Plan) and includes selected upstream ESA requirements and CVPIA flow prescriptions. Assumptions are identical to Study 468 except CVP is authorized to use the SWP's point of diversion in the Delta to deliver contract water to the Cross Valley Canal, Musco Olive, Tracy Golf Course and the VA cemetery.

Study 469 (SWRCB Alternative 3) assumptions are modified as follows:

1. USBR would continue to provide CVP water deliveries to the Cross Valley Canal, Musco Olive, Tracy Golf Course and VA cemetery through wheeling via State Water Project Banks Pumping Plant.
2. Authorized amount of wheeling through Banks Pumping Plant is 129 taf for CVP use every year irrespective of needs.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
JOINT POINT OF DIVERSION COMBINED USE
(JOINT POD ALTERNATIVE 4) 1995C06F-SWRCBJ-501A**

This study meets SWRCB's May 1995 Water Quality Control Plan (Plan) and includes selected upstream ESA requirements and CVPIA flow prescriptions. Assumptions are identical to Study 468 except CVP is authorized to use the SWP's point of diversion in the Delta to deliver contract water to the Cross Valley Canal, Musco Olive, Tracy Golf Course and the VA cemetery.

Study 469 (SWRCB alternative 3) assumptions are modified as follows:

- 1.** USBR would continue to provide CVP water deliveries to the Cross Valley Canal, Musco Olive, Tracy Golf Course and VA cemetery through wheeling via State Water Project Banks Pumping Plant.
- 2.** The SWP may wheel an unlimited amount for the CVP.
- 3.** From April 15 - May 15 (Pulse Flow Period) 50% of San Joaquin River were use in calculation of Total allowable export from Delta for all water year type.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
JOINT POINT OF DIVERSION COMBINED USE
(JOINT POD ALTERNATIVE 5) 1995C06F-SWRCBJ-524**

Study 469 (Joint POD Alternative 2) assumptions are modified as follows:

- 1.** Combined use of SWP and CVP points of diversion in Delta is limited by SWP and CVP water rights terms and conditions that specify permitted diversion rates of the projects in delta.
- 2.** The SWP may wheel an unlimited amount for the CVP.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
JOINT POINT OF DIVERSION COMBINED USE
(JOINT POD ALTERNATIVE 6) 1995C06F-SWRCBJ-525**

Study 519 (Flow Alternative 7) assumptions are modified as follows:

- 1.** Combined use of the SWP and CVP points of diversion in the Delta is limited by SWP and CVP water rights terms and conditions that specify permitted diversion rates of the projects in Delta.
- 2.** The SWP may wheel an unlimited amount for the CVP.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
JOINT POINT OF DIVERSION COMBINED USE
(JOINT POD ALTERNATIVE 7) 1995C06F-SWRCBJ-526**

Study 469 (Joint POD Alternative 2) assumptions are modified as follows:

- 1.** Combined use of SWP and CVP points of diversion in Delta limited by SWP and CVP water rights terms and conditions that specify permitted diversion rates of the projects in Delta.
- 2.** Diversion rates are 10,300 cfs at SWP Banks Pumping Plant.
- 3.** The SWP may wheel an unlimited amount for the CVP

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
JOINT POINT OF DIVERSION COMBINED USE
(JOINT POD ALTERNATIVE 8) 1995C06F-SWRCBJ-526A**

Study 469 (Joint POD alternative 2) assumptions are modified as follows:

- 1.** Combined use of SWP and CVP points of diversion in Delta limited by SWP and CVP water rights terms and conditions that specify permitted diversion rates of the projects in Delta.
- 2.** Diversion rates are 10,300 cfs at SWP Banks Pumping Plant.
- 3.** The SWP may wheel an unlimited amount for the CVP.
- 4.** 2020 Level (3.6 MAF) CVP Demand.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
PLUS VERNALIS ADAPTIVE MANAGEMENT PLAN (VAMP) AND JOINT POINT
DIVERSION
(JOINT POD ALTERNATIVE 9) 1995C06F-SWRCBJP-634**

Study 622A assumptions are modified as follows in accordance with the SWRCB Modeling request dated February 20, 1998, revised March 10, 1998, for Vernalis Adaptive Management Plan (VAMP) Modeling.

- 1.** Combined use of SWP and CVP points of diversion in the Delta is limited by SWP and CVP water rights terms and conditions that specify permitted diversion rates of the projects in the Delta.
- 2.** Use of the SWP point of diversion is further limited by the U. S. Army Corps of Engineers Public Notice 5820-A, as amended.. This notice limits the SWP Delta diversions to 6,680 cfs except from December 15 to March 15 when higher diversion rates are allowed under specified San Joaquin River flow conditions.
- 3.** The SWP may wheel an unlimited amount for the CVP.

**DWR PLANNING SIMULATION MODEL (DWRSIM) ASSUMPTIONS FOR
SWRCB STUDY WITH MAY 1995 WQCP DELTA STANDARDS
(CUMULATIVE IMPACTS ANALYSIS)
1995C6F-SWRCB-492**

Study 492 assumptions are identical to those in the CALFED "Benchmark" Study 472 with the following exceptions: (i) Banks Pumping Plant capacity is 10,300 cfs, (ii) CVP water is wheeled to meet unmet demands when unused capacity in Banks Pumping Plant is available, and (iii) a cap on New Melones Reservoir releases for salinity control is not imposed.

I. New Model Features

A new DWRSIM version with the following enhancements is employed:

A. A new SWP and CVP south-of-Delta delivery logic uses (i) runoff forecast information and uncertainty (not perfect foresight), (ii) a delivery versus carryover risk curve and (iii) a standardized rule (Water Supply Index versus Demand Index Curve) to estimate the total water available for delivery and carryover storage. The new logic updates delivery levels monthly from January 1 through May 1 as water supply parameters become more certain. Refer to Leaf and Arora (1996) for additional information on the new delivery logic.

B. An expanded network schematic includes more details in the Delta and along the DMC and SWP-CVP Joint Reach facility.

C. A network representation of the San Joaquin River basin was adapted from USBR's SANJASM model. The San Joaquin River basin schematic was expanded to include (i) the Tuolumne River upstream to Hetch Hetchy and Cherry/Eleanor Reservoirs, (ii) the Merced River upstream to Lake McClure, (iii) the Chowchilla and Fresno Rivers upstream to Eastman and Hensley Lakes, respectively, and (iv) the San Joaquin River upstream to Millerton Lake.

D. Contra Costa Water District's "G" model is used to relate Delta flows and salinities. Refer to Denton (1993) for additional information on the procedure.

E. References:

Leaf, R.T. and Arora, S.K. (1996). "Annual Delivery Decisions in the Simulation of the California State Water Project and Federal Central Valley Project using DWRSIM." *Proceedings 1996 North American Water and Environment Congress*, ASCE, C.T. Bathala, Ed.

Denton, R.A. (1993). "Accounting for Antecedent Conditions in Seawater Intrusion Modeling - Applications for the San Francisco Bay-Delta." *Proceedings 1993 National Conference on Hydraulic Engineering*, ASCE, H.W. Shen, Ed.

II. Instream Flow Requirements

A. Trinity River minimum fish flows below Lewiston Dam are maintained at 340 TAF/year for all years, based on a May 1991 letter agreement between the USBR and the U.S. Fish and Wildlife Service.

B. Sacramento River navigation control point (NCP) flows are maintained at 5,000 cfs in wet and above normal water years and 4,000 cfs in all other years. This criterion is relaxed to 3,500 cfs when Shasta carryover storage drops below 1.9 MAF and is further relaxed to 3,250 cfs when Shasta carryover storage drops below 1.2 MAF.

C. Feather River fishery flows are maintained per an agreement between DWR and the Calif. Dept. of Fish & Game (August 26, 1983). In normal years these minimum flows are 1,700 cfs from October through March and 1,000 cfs from April through September. Lower minimum flows are allowed in low runoff years and when Oroville storage drops below 1.5 MAF. A maximum flow restriction of 2,500 cfs for October and November is maintained per the agreement criteria.

D. Stanislaus River minimum fish flows below New Melones Reservoir range from 98 TAF/year up to 302 TAF/year, according to the interim agreement (dated June 1987) between the USBR and the Calif. Dept. of Fish & Game. The actual minimum fish flow for each year is based on the water supply available for that year. Additional minimum flow requirements are imposed in June through September (15.2 - 17.4 TAF per month) to maintain dissolved oxygen levels in the Stanislaus River. Channel capacity below Goodwin Dam is assumed to be 8,000 cfs. CVP contract demands above Goodwin Dam are met as a function of New Melones Reservoir storage and inflow per an April 26, 1996 letter from USBR to SWRCB.

E. Tuolumne River minimum fishery flows below New Don Pedro Dam are maintained per an agreement between Turlock and Modesto Irrigation Districts, City of San Francisco, Dept. of Fish & Game and others (FERC Agreement 2299). Base flows range from 50 cfs to 300 cfs. Base and pulse flow volumes depend on time of the year and water year type.

F. Instream flow requirements are maintained in accordance with CVPIA criteria (see Item III) at the following locations: below Keswick Dam on the Sacramento River, below Whiskeytown

Dam on Clear Creek and below Nimbus Dam on the American River.

III. CVPIA Flow Criteria

The following CVPIA flow criteria are in accordance with an April 26, 1996 letter from USBR to SWRCB. (This information is preliminary. It is envisioned that when significant changes occur within the CVP/SWP system, the criteria will be reviewed and possibly revised):

A. Flow objectives between 3,250 cfs and 5,500 cfs are maintained below Keswick Dam on the Sacramento River. Flow requirements during October through April are triggered by Shasta carryover storage.

B. Flow objectives between 52 cfs and 200 cfs are maintained below Whiskeytown Dam on Clear Creek, depending on month and year type.

C. Flow objectives between 250 cfs and 4,500 cfs are maintained below Nimbus Dam on the American River. Flow requirements during October through February are triggered by Folsom carryover storage. Flow requirements in other months are triggered by previous month storage plus remaining water year inflows.

IV. Trinity River Imports

Imports from Clair Engle Reservoir to Whiskeytown Reservoir (up to a 3,300 cfs maximum) are specified according to USBR criteria. Imports vary according to month and previous month Clair Engle storage.

V. Hydrology (HYD-C06F)

A new 1995 level hydrology, HYD-C06F, was developed similar to HYD-C06B described in a June 1994 memorandum report entitled "Summary of Hydrologies at the 1990, 1995, 2000, 2010 and 2020 Levels of Development for Use in DWRSIM Planning Studies" published by DWR's Office of State Water Project Planning. HYD-C06B was based on DWR Bulletin 160-93 land use projections and simulates the 71 year period 1922-92. HYD-C06F, developed through consultation with USBR to address differences in San Joaquin basin hydrology, simulates two additional years (through 1994) and includes the following major modifications compared to HYD-C06B:

A. Stand-alone HEC-3 models of the American, Yuba and Bear River subsystems were updated and extended through 1994. Yuba River minimum fishery flows below Bullards Bar Dam were not modified to reflect new FERC requirements. According to consultants for the Yuba County Water Agency, water supply impacts of the new requirements are not substantially different from those modeled in HYD-C06B.

B. Mokelumne River minimum fishery flows below Camanche Dam are modeled in HYD-C06F per an agreement between EBMUD, U.S. Fish and Wildlife Service, and Calif. Dept. of Fish & Game (FERC Agreement 2916). Base flows range from 100 cfs to 325 cfs from October through June, depending on time of the year and water year type. Base flows are maintained at 100 cfs from July through September for all water year types. Water year types are determined by reservoir storage and unimpaired runoff. For the months of April through June, additional pulse flows are maintained up to 200 cfs depending on water year type and reservoir storage.

C. Historical 1993-94 land use was estimated by linear interpolation between 1990 and 2000 normalized projected levels.

VI. Pumping Plant Capacities, Coordinated Operation & Wheeling

A. Facilities required to obtain a permit to operate Banks Pumping Plant at 10,300 cfs capacity (South Delta Improvements) are assumed.

B. CVP Tracy Pumping Plant capacity is 4,600 cfs, but physical constraints along the Delta Mendota Canal and at the relief pumps (to O'Neil Forebay) can restrict export capacity as low as 4,200 cfs.

C. CVP/SWP sharing of responsibility for the coordinated operation of the two projects is maintained per the Coordinated Operation Agreement (COA). Storage withdrawals for in-basin use are split 75 percent CVP and 25 percent SWP. Unstored flows for storage and export are split 55 percent CVP and 45 percent SWP. In months when the export-inflow ratio limits Delta exports, the allowable export is shared equally between the CVP and SWP. (The COA sharing formula is based on D-1485 operations, not on May 1995 Water Quality Control Plan operations. The sharing formula will likely be modified to conform with Water Quality Control Plan operations. Such a change has unknown, but potentially significant, operational implications.)

D. CVP water is wheeled through SWP facilities to meet unmet demands when capacity is available in Banks Pumping Plant.

E. Enlarged East Branch aqueduct capacities are assumed from Alamo Powerplant to Devil

Canyon Powerplant.

VII. Target Reservoir Storage

A. Shasta Reservoir carryover storage is maintained at or above 1.9 MAF in all normal water years for winter-run salmon protection per the NMFS biological opinion. However, in critical years following critical years, storage is allowed to fall below 1.9 MAF.

B. Folsom Reservoir storage capacity was reduced from 1010 TAF down to 975 TAF due to sediment accumulation as calculated from a 1992 reservoir capacity survey.

C. Folsom flood control criteria are in accordance with the December 1993 USACE report "Folsom Dam And Lake Operation Evaluation". This criteria uses available storage in upstream reservoirs such that the maximum flood control reservation varies from 400 TAF to 670 TAF.

VIII. SWP Demands, Deliveries & Deficiencies

A. 2020 demand level is assumed to be fixed at full entitlement of 4.2 MAF. MWDSC's monthly demand patterns assume an Eastside Reservoir and an Inland Feeder pipeline in accordance with a July 26, 1995 memorandum from MWDSC.

B. Deficiencies are imposed as needed per the draft "Monterey Agreement" criteria and are calculated from the following Table A entitlements for year 2020:

| | |
|---------------------------|----------------|
| Agricultural Entitlements | 1,175 TAF/year |
| M&I Entitlements | 2,958 TAF/year |
| Recreation & Losses | 64 TAF/year |
| Total Entitlements | 4,197 TAF/year |

C. When available, "interruptible" water is delivered to SWP south-of-Delta contractors in accordance with the following assumptions based on the Monterey Amendment White Paper redraft dated September 28, 1995:

1. Interruptible water results from direct diversions from Banks Pumping Plant. It is not stored in San Luis Reservoir for later delivery to contractors.

2. A contractor may accept interruptible water in addition to its monthly scheduled entitlement water. Therefore, the contractor may receive water above its Table A amount for the year.

Interruptible water deliveries do not impact entitlement water allocations.

3. If demand for interruptible water is greater than supply in any month, the supply is allocated in proportion to the Table A entitlements of those contractors requesting interruptible water.

IX. CVP Demands, Deliveries & Deficiencies

A. 2020 level CVP demands, including canal losses but excluding San Joaquin Valley wildlife refuges are assumed as follows (see Item IX.B below for refuge demands):

| | | |
|-------------------------|---|----------------|
| Contra Costa Canal | = | 202 TAF/year |
| DMC and Exchange | = | 1,561 TAF/year |
| CVP San Luis Unit | = | 1,447 TAF/year |
| San Felipe Unit | = | 196 TAF/year |
| Cross Valley Canal | = | 128 TAF/year |
| Total CVP Delta Exports | = | 3,534 TAF/year |

Including wildlife refuges, total CVP demand is 3,822 TAF/year. The Contra Costa Canal monthly demand pattern assumes Los Vaqueros operations in accordance with a July 11, 1994 e-mail from CCWD.

B. Sacramento Valley refuge demands are modeled implicitly in the hydrology through rice field and duck club operations. Sacramento Valley refuges include Gray Lodge, Modoc, Sacramento, Delevan, Colusa and Sutter. Level II refuge demands in the San Joaquin Valley are explicitly modeled at an assigned level of 288 TAF/year. San Joaquin Valley refuges include Grasslands, Volta, Los Banos, Kesterson, San Luis, Mendota, Pixley, Kern and those included in the San Joaquin Basin Action Plan.

C. CVP south-of-Delta deficiencies are imposed when needed by contract priority. Contracts are classified into four groups: agricultural (Ag), municipal and industrial (M&I), Exchange and Refuge. Deficiencies are imposed in accordance with the Shasta Index and sequentially according to the following rules:

1. Ag requests are reduced up to a maximum of 50 percent.

2. Ag, M&I and Exchange requests are reduced by equal percentages up to a maximum of 25 percent. At this point, cumulative Ag deficiencies are 75 percent.

3. Ag, M&I and Refuge requests are reduced by equal percentages up to a maximum of 25 percent. At this point, cumulative Ag and M&I deficiencies are 100 percent and 50 percent, respectively.

4. M&I requests are reduced until cumulative deficiencies are 100 percent.

5. Further reductions are imposed equally upon Exchange and Refuge.

D. Deficiencies in the form of "dedicated" water and "acquired" water to meet 800 TAF/year CVPIA demands are not imposed.

X. Delta Standards

In the following assumptions related to Delta standards, reference is made to the SWRCB's May 1995 Water Quality Control Plan (Plan):

A. Water Year Classifications

1. The Sacramento Valley 40-30-30 Index (as defined on page 23 of the Plan) is used to determine year types for Delta outflow criteria and Sacramento River system requirements unless otherwise specified in the Plan.

2. The San Joaquin Valley 60-20-20 Index (page 24) is used to determine year types for flow requirements at Vernalis.

3. The Sacramento River Index, or SRI (Footnote 6, page 20), is used to trigger relaxation criteria related to May-June Net Delta Outflow Index (NDOI) and salinity in the San Joaquin River and western Suisun Marsh.

4. The Eight River Index (Footnote 13, page 20) is used to trigger criteria related to (i) January NDOI, (ii) February-June X2 standards and (iii) February export ratio.

B. M&I Water Quality Objectives (Table 1, page 16)

1. The water quality objective at Contra Costa Canal intake is maintained in accordance with the Plan. A "buffer" was added to insure that the standard is maintained on a daily basis. Thus, DWRSIM uses a value of 130 mg/L for the 150 mg/L standard and a value of 225 mg/L for the 250 mg/L standard.

2. The M&I water quality objectives at Clifton Court Forebay, Tracy Pumping Plant, Barker Slough and Cache Slough are not modeled.

C. Agricultural Water Quality Objectives (Table 2, page 17)

1. Water quality objectives on the Sacramento River at Emmaton and on the San Joaquin River at Jersey Point are maintained in accordance with the Plan.

2. Plan water quality objectives on the San Joaquin River at Vernalis are 0.7 EC in April through August and 1.0 EC in other months. These objectives are maintained primarily by releasing water from New Melones Reservoir. **A 70 TAF/year cap on water quality reservoir releases is not imposed. If New Melones Reservoir storage drops to 80 TAF (per an April 26, 1996 letter from USBR to SWRCB), additional water is not provided for salinity control and the water quality standard is violated.**

3. The interior Delta standards on the Mokelumne River (at Terminous) and on the San Joaquin River (at San Andreas Landing) are not modeled.

4. The export area 1.0 EC standards at Clifton Court Forebay and Tracy Pumping Plant are not modeled.

D. Fish & Wildlife Water Quality Objectives: Salinity (Table 3, page 18)

1. The 0.44 EC standard is maintained at Jersey Point in April and May of all but critical years. Per Footnote 6 (page 20), this criteria is dropped in May if the projected SRI is less than 8.1 MAF. The salinity requirement at Prisoners Point is not modeled.

2. The following EC standards are maintained at Collinsville for eastern Suisun Marsh salinity control:

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May |
|---------------------|------|------|------|------|-----|-----|------|------|
| EC - Ave. High Tide | 19.0 | 15.5 | 15.5 | 12.5 | 8.0 | 8.0 | 11.0 | 11.0 |

The corresponding EC standards for other locations in the eastern and western Suisun Marsh are not modeled.

E. Fish & Wildlife Water Quality Objectives: Delta Outflow (Table 3, page 19)

1. Minimum required NDOI (cfs) is maintained as follows:

| Year Type | Oct | Nov | Dec | Jan | Feb-Jun | Jul | Aug | Sep |
|--------------|-------|-------|-------|-----|---------|-------|-------|-------|
| Wet | 4,000 | 4,500 | 4,500 | * | ** | 8,000 | 4,000 | 3,000 |
| Above Normal | 4,000 | 4,500 | 4,500 | * | ** | 8,000 | 4,000 | 3,000 |
| Below Normal | 4,000 | 4,500 | 4,500 | * | ** | 6,500 | 4,000 | 3,000 |
| Dry | 4,000 | 4,500 | 4,500 | * | ** | 5,000 | 3,500 | 3,000 |
| Critical | 3,000 | 3,500 | 3,500 | * | ** | 4,000 | 3,000 | 3,000 |

* January: Maintain either 4,500 cfs or 6,000 cfs if the December Eight River Index was greater than 800 TAF (per Footnote 13 page 20).

** February-June: Maintain 2.64 EC standards (X2) as described below.

2. For February through June, outflow requirements are maintained in accordance with the 2.64 EC criteria (also known as X2) using the required number of days at Chipps Island (74 km) and Roe Island (64 km). See Footnote 14 for Table 3 (Table A) page 26.

a. At the Confluence (81 km), the full 150 days (February 1 - June 30) of 2.64 EC is maintained in all years, up to a maximum required flow of 7,100 cfs. This requirement is dropped in May and June of any year for which the projected SRI is less than 8.1 MAF. In those years when the criteria is dropped, a minimum outflow of 4,000 cfs is maintained in May and June.

b. The criteria -- "If salinity/flow objectives are met for a greater number of days than the requirements for any month, the excess days shall be applied to meeting the requirements for the following month" -- is not modeled. See Footnote "a" of Footnote 14 for Table 3 (Table A).

c. The Kimmerer-Monismith monthly equation is used to calculate outflow required (in cfs) to maintain the EC standard (average monthly position in kilometers). In this equation the EC position is given and Delta outflow is solved for.

$$\text{EC position} = 122.2 + [0.3278 * (\text{previous month EC position in km})] -$$

$$[17.65 * \log_{10}(\text{current month Delta outflow in cfs})]$$

In months when the EC standard is specified in more than one location (e.g. 19 days at the confluence and 12 days at Chipps Island), required outflow for the month is computed as a flow weighted average of the partial month standards.

3. Additional details on the 2.64 EC criteria are modeled as follows:

a. The trigger to activate the Roe Island standard is set at 66.3 km from the previous month, as an average monthly value.

b. The maximum required monthly outflows to meet the 2.64 EC standard are capped at the following limits: 29,200 cfs for Roe Island; 11,400 cfs for Chipps Island; and 7,100 cfs for the Confluence.

c. Relaxation criteria for the February Chipps Island standard is a function of the January Eight River Index as follows:

(i) X2 days = 0 if the Index is less than 0.8 MAF

(ii) X2 days = 28 if the Index is greater than 1.0 MAF

(iii) X2 days vary linearly between 0 and 28 if the Index is between 0.8 MAF and 1.0 MAF

F. Fish & Wildlife Water Quality Objectives: River Flows (Table 3, page 19)

1. Minimum Sacramento River flow requirements (cfs) at Rio Vista are maintained as follows:

| <u>Year Type</u> | <u>Sep</u> | <u>Oct</u> | <u>Nov</u> | <u>Dec</u> |
|------------------|------------|------------|------------|------------|
| Wet | 3,000 | 4,000 | 4,500 | 4,500 |
| Above Normal | 3,000 | 4,000 | 4,500 | 4,500 |
| Below Normal | 3,000 | 4,000 | 4,500 | 4,500 |
| Dry | 3,000 | 4,000 | 4,500 | 4,500 |
| Critical | 3,000 | 3,000 | 3,500 | 3,500 |

2. From February 1 through June 30, minimum flows on the San Joaquin River at Vernalis are maintained per the table below. For each period, the higher flow is required whenever the 2.64

EC Delta outflow position is located downstream of Chipps Island (<74 km). If the 2.64 EC Delta outflow position is upstream of Chipps Island (>74 km), then the lower flow requirement is used.

| <u>Year Type</u> | Minimum Flows at Vernalis (cfs) | |
|------------------|---------------------------------|----------------------|
| | Feb1-Apr14 | April15-May15 |
| | <u>May16-June30</u> | <u>April15-May15</u> |
| Wet | 2,130 or 3,420 | 7,330 or 8,620 |
| Above Normal | 2,130 or 3,420 | 5,730 or 7,020 |
| Below Normal | 1,420 or 2,280 | 4,620 or 5,480 |
| Dry | 1,420 or 2,280 | 4,020 or 4,880 |
| Critical | 710 or 1,140 | 3,110 or 3,540 |

3. For the month of October, the minimum flow requirement at Vernalis is 1,000 cfs in all years PLUS a 28 TAF pulse flow (per Footnote 19, page 21). The 28 TAF pulse (equivalent to 455 cfs monthly) is added to the actual Vernalis flow, up to a maximum of 2,000 cfs. The pulse flow requirement is not imposed in a critical year following a critical year. These two components are combined as an average monthly requirement as follows:

| October Minimum Flows at Vernalis (cfs) | |
|---|----------------------|
| <u>Base Flow</u> | <u>Required Flow</u> |
| <1,000 | 1,455 |
| 1,000-1,545 | Base Flow + 455 |
| 1,545 | 2,000 |

4. The above flow requirements at Vernalis are maintained primarily by releasing additional water from New Melones Reservoir. In years when New Melones Reservoir drops to a minimum storage of 80 TAF (per April 26, 1996 letter from USBR to SWRCB), additional water is provided equally from the Tuolumne and Merced River systems to meet the Vernalis flow requirements. If these sources are insufficient to meet objectives at Vernalis, nominal deficiencies will be applied to upstream demands.

G. Fish & Wildlife Water Quality Objectives: Export Limits (Table 3, page 19)

1. Ratios for maximum allowable Delta exports are specified as a percentage of total Delta inflow as follows:

| | | | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <u>Oct</u> | <u>Nov</u> | <u>Dec</u> | <u>Jan</u> | <u>Feb</u> | <u>Mar</u> | <u>Apr</u> | <u>May</u> | <u>Jun</u> | <u>Jul</u> | <u>Aug</u> | <u>Sep</u> |
| 65 | 65 | 65 | 65 | 45-35 | 35 | 35 | 35 | 35 | 65 | 65 | 65 |

a. In February the export ratio is a function of the January Eight River Index per Footnote 25, page 22 as follows:

(i) 45% if the Jan. 8-River Index is less than 1.0 MAF

(ii) 35% if the Jan. 8-River Index is greater than 1.5 MAF

(iii) Varies linearly between 45% and 35% if the January Eight River Index is between 1.0 MAF and 1.5 MAF.

b. For this ratio criteria, total Delta exports are defined as the sum of pumping at the SWP Banks and CVP Tracy Pumping Plants. Total Delta inflow is calculated as the sum of river flows from the Sacramento River, Yolo Bypass, total from the Eastside stream group, and San Joaquin River inflow. Delta area precipitation and consumptive uses are not used in this ratio.

2. Based on Footnote 22 page 21, April and May total Delta export limitations are modeled as follows:

a. April 15 - May 15 exports are limited to 1,500 cfs OR 100 percent of the San Joaquin River flow at Vernalis, whichever is greater.

b. April 1-14 and May 16-31 export limits are controlled by either the export/inflow ratio (35%) or pumping plant capacity, whichever is smaller.

H. Fish & Wildlife Water Quality Objectives: Delta Cross Channel (Table 3, page 19)

1. The Delta Cross Channel (DCC) is closed 10 days in November, 15 days in December and 20 days in January for a total closure of 45 days per Footnote 26, page 22.

2. The DCC is fully closed from February 1 through May 20 of all years and is closed an additional 14 days between May 21 and June 15 per Footnote 27, page 22.

Appendix 3
Data Used in the Water Rights Calculations for Delta Outflow Alternatives 3 and 4

Annotated Table of Contents

Pages A3-4 to A3-13 present data files for equations presented in Chapter IV of the EIR. All but one of the tables in Appendix 3 are in units of TAF.

| | |
|--|-------|
| Alternative 3 - Supplemental Water for Vernalis Objective (Add(3)) | A3-4 |
| Alternative 3 - Supplemental Water for Delta Outflow (SW(3)) | A3-5 |
| Alternative 3 - Monthly Imports from the Trinity River | A3-6 |
| Alternative 4 - Obligation of Parties Other than Friant to Meet Vernalis Objective (SW(sj))..... | A3-7 |
| Alternative 4 - Modified Exchange Contractor Delivery (Excm) | A3-8 |
| Alternative 4 - Friant Kern Canal Diversion to Export (EX(f))..... | A3-9 |
| Alternative 4 - Modified Friant Kern Canal Diversion to Export (EX(F))..... | A3-10 |
| Alternative 4 - Millerton Lake Releases from Storage (SR(F))..... | A3-11 |
| Alternative 4 - Obligation of Friant to Meet Vernalis Objective (FO)..... | A3-12 |
| Alternative 4 - Supplemental Water to Meet Delta Outflow (SW(4))..... | A3-13 |
| <i>Pages A3-14 to A3-16 contain the cumulative direct diversion (DD) tables used in allocating the Vernalis and the Delta outflow objective. The base data in these tables comes from reports of permit and license filed by individual water right holders. Irrigated acreage was considered to be the most reliable data source. Consumptive use factors obtained from the DWR were applied to the acreage to obtain depletion and diversion amounts for each water right. In some cases reported use was used in lieu of acreage. Friant direct diversion was calculated directly from DWRSIM output.</i> | |
| San Joaquin Basin - Cumulative Direct Diversion | A3-14 |
| Major Central Valley Water Right Cumulative Direct Diversion by Priority Group..... | A3-16 |
| Alternative 3 - Friant Direct Diversion..... | A3-17 |

Pages A3-18 to A3-22 present data obtained from the USBR and used to calculate inbasin obligations. Each contractor was classified by depletion Study Area (DSA), and the priority of their water right(s) determined for assignment of priority group. Contractors with no identifiable basis in right are designated as WRX, those with identifiable rights as WR, and those without rights receiving CVP project water under contract with the USBR as WS. The period 1982 to 1989 (excluding 1983, an abnormally wet year) was chosen as the reference period for the analysis, as it represents a period of full delivery unaffected by cutbacks arising from biological opinions.

Annual CVP Deliveries To Sacramento Valley Contractors (1982-1989), AF A3-18

The inbasin obligation (IO) for a priority group is the sum of the 1982-1989 average monthly depletions for all contractors within the group. When deficiency conditions are in effect (see A3-27) the inbasin obligation is calculated as percentage reduction in base and/or project supply, or the average depletion, whichever is less.

Sacramento Valley Inbasin Obligations (without deficiencies)..... A3-23

Sacramento Valley Inbasin Obligations (with deficiencies imposed) A3-24

Alternative 4 - USBR San Joaquin Inbasin Obligation - Group 8 (IO(F8)) A3-25

Alternative 4 - USBR San Joaquin Inbasin Obligation - Group 9 (IO(F9)) A3-26

Deficiency Periods (percent of supply)..... A3-27

Pages A3-28 to A3-34 present diversion to storage for each priority group. Cumulative tables were generated for the allocation calculations.

Alternative 3 - Priority Group 1 Diversion to Storage..... A3-28

Alternative 4 - Priority Group 1 Diversion to Storage..... A3-29

Alternative 3 and 4 - Priority Group 2 Diversion to Storage A3-30

Alternative 3 and 4 - Priority Group 4 Diversion to Storage A3-31

Alternative 3 and 4 - Priority Group 5 Diversion to Storage A3-32

Alternative 3 and 4 - Priority Group 6 Diversion to Storage A3-33

Alternative 3 - Priority Group 8 Diversion to Storage..... A3-34

The following four worksheets present the allocation calculations in which water right and priority group cutoff numbers were determined for Alternatives 3 and 4. Some abbreviations:

Direct Diversion (DD), New Melones (NM), Vernalis (Vern), Delta Outflow (DO), San Joaquin (SJ), Inbasin Obligation (IO), Friant Obligation for Vernalis to be met at New Melones (FOv).

Alternative 3 - Allocation of “Add Water” for Vernalis Objective A3-35

Alternative 3 - Allocation of Supplemental Water for Delta Outflow..... A3-60

Alternative 4 - Allocation of Supplemental Water for Vernalis Objective A3-73

Alternative 4 - Allocation of Supplemental Water for delta Outflow A3-98

Pages A3-111 to A3-142 contain the data input tables given to DWR for modeling of Alternatives 3 and 4. The resulting DWRSIM study numbers are 506 and 507.

Alternative 3 - Sixteen Tables Submitted to the DWR in the April 18, 1997 revised modeling request, used as input data for DWRSIM Study 506 A3-111

Alternative 4 - Sixteen Tables Submitted to the DWR in the April 18, 1997 revised modeling request, used as input data for DWRSIM Study 507 A3-127

Important tables derived from the allocation process. Water right cutoff number and priority group number refer to Tables II-6 and II-5 respectively in the EIR. The diversion curtailment frequency in Chapter V is derived from these tables.

Alternative 3 - Water Right Cutoff Number for Vernalis Objective A3-143

Alternative 4 - Water Right Cutoff Number for Vernalis Objective A3-144

Alternative 3 - Priority Group Curtailed for Delta Outflow Objective..... A3-145

Alternative 4 - Priority Group Curtailed for Delta Outflow Objective..... A3-146

In allocating Delta outflow, a priority group is not invoked until no water is available for the entire group. The following tables represent the amount of water which is not allocated and is presumed to be a SWP/CVP obligation.

Alternative 3 - Unallocated Water (additional project obligation) A3-147

Alternative 4 - Unallocated Water (additional project obligation) A3-148

Alternative 3 - Supplemental Water for Vernalis Objective (Add(3)) (TAF)

Add Water from Don Pedro and Lake McClure (CP 677 Downstream Flow) + New Melones Release for Vernalis Pulse and X2 Flow

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 6 | 0 | 0 | 0 | 0 | 0 | 29 | 108 | 0 | 0 | 0 | 0 | 143 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 52 | 52 | 109 | 0 | 0 | 0 | 0 | 213 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 43 | 0 | 0 | 0 | 0 | 61 |
| 1925 | 27 | 0 | 0 | 0 | 0 | 0 | 23 | 70 | 0 | 0 | 0 | 0 | 120 |
| 1926 | 27 | 0 | 0 | 0 | 0 | 32 | 34 | 88 | 8 | 0 | 0 | 0 | 189 |
| 1927 | 27 | 0 | 0 | 0 | 0 | 0 | 24 | 113 | 90 | 0 | 0 | 0 | 254 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 91 | 2 | 0 | 0 | 0 | 132 |
| 1929 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 50 |
| 1930 | 27 | 0 | 0 | 0 | 0 | 0 | 15 | 20 | 0 | 0 | 0 | 0 | 62 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 45 | 0 | 0 | 0 | 0 | 68 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 32 | 0 | 0 | 0 | 100 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 57 | 23 | 0 | 0 | 0 | 111 |
| 1934 | 27 | 0 | 0 | 0 | 0 | 0 | 10 | 42 | 0 | 0 | 0 | 0 | 79 |
| 1935 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 13 | 0 | 0 | 0 | 62 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 12 | 0 | 0 | 0 | 57 |
| 1940 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 91 | 0 | 0 | 0 | 176 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 46 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 25 |
| 1945 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 25 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 11 | 18 | 0 | 0 | 0 | 55 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 23 | 85 | 62 | 19 | 0 | 0 | 0 | 189 |
| 1948 | 27 | 0 | 0 | 0 | 12 | 0 | 21 | 59 | 27 | 0 | 0 | 0 | 146 |
| 1949 | 27 | 0 | 0 | 0 | 0 | 0 | 59 | 46 | 4 | 0 | 0 | 0 | 136 |
| 1950 | 26 | 0 | 0 | 0 | 0 | 0 | 56 | 100 | 5 | 0 | 0 | 0 | 187 |
| 1951 | 25 | 0 | 0 | 0 | 0 | 0 | 107 | 143 | 33 | 0 | 0 | 0 | 308 |
| 1952 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 95 | 49 | 0 | 0 | 0 | 211 |
| 1954 | 23 | 0 | 0 | 0 | 21 | 0 | 3 | 82 | 0 | 0 | 0 | 0 | 129 |
| 1955 | 25 | 0 | 0 | 0 | 36 | 33 | 31 | 44 | 9 | 0 | 0 | 0 | 178 |
| 1956 | 27 | 0 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 122 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 86 | 44 | 0 | 0 | 0 | 207 |
| 1958 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 67 | 23 | 0 | 0 | 0 | 125 |
| 1960 | 28 | 0 | 0 | 0 | 0 | 0 | 9 | 14 | 0 | 0 | 0 | 0 | 51 |
| 1961 | 27 | 0 | 0 | 0 | 0 | 0 | 17 | 39 | 0 | 0 | 0 | 0 | 83 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 8 | 0 | 0 | 0 | 93 |
| 1963 | 27 | 0 | 0 | 0 | 0 | 44 | 0 | 62 | 53 | 0 | 0 | 0 | 186 |
| 1964 | 0 | 0 | 0 | 0 | 21 | 33 | 37 | 58 | 20 | 0 | 0 | 0 | 169 |
| 1965 | 27 | 0 | 0 | 0 | 0 | 0 | 14 | 137 | 33 | 0 | 0 | 0 | 211 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 68 | 11 | 0 | 0 | 0 | 171 |
| 1967 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 59 | 17 | 0 | 0 | 0 | 154 |
| 1969 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 129 | 32 | 0 | 0 | 0 | 241 |
| 1971 | 11 | 0 | 0 | 0 | 0 | 0 | 83 | 102 | 51 | 0 | 0 | 0 | 247 |
| 1972 | 25 | 0 | 0 | 0 | 37 | 29 | 101 | 74 | 27 | 0 | 0 | 0 | 293 |
| 1973 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 43 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 52 | 0 | 0 | 0 | 83 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 79 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 33 | 0 | 0 | 0 | 0 | 41 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 45 | 0 | 0 | 0 | 0 | 75 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 68 | 21 | 0 | 0 | 0 | 91 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 53 | 17 | 0 | 0 | 0 | 121 |
| 1982 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 143 | 29 | 0 | 0 | 0 | 271 |
| 1985 | 12 | 0 | 0 | 0 | 0 | 0 | 21 | 54 | 14 | 0 | 0 | 0 | 101 |
| 1986 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 26 |
| 1988 | 28 | 0 | 0 | 0 | 0 | 0 | 14 | 34 | 0 | 0 | 0 | 0 | 76 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 23 | 0 | 0 | 0 | 0 | 44 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 39 | 0 | 0 | 0 | 0 | 53 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 26 |
| 1993 | 0 | 0 | 0 | 0 | 35 | 34 | 165 | 85 | 0 | 0 | 0 | 0 | 319 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 0 | 0 | 0 | 0 | 19 |
| AVG: | 10 | 0 | 0 | 0 | 2 | 4 | 26 | 48 | 13 | 0 | 0 | 0 | 103 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 28 | 0 | 0 | 0 | 37 | 52 | 165 | 143 | 91 | 0 | 0 | 0 | 319 |

Alternative 3 - Supplemental Water for Delta Outflow (SW(3)) (TAF)

SW(3) = (Total Storage Release (3 Reservoirs) + Trinity River Imports) - Total Exports (Banks + Tracy + Contra Costa + N. Bay)
 Negative numbers set to zero and adjusted for surplus delta conditions. IO(n) set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 349 | 183 | 0 | 532 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 330 | 556 | 299 | 0 | 1185 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 159 | 319 | 555 | 473 | 222 | 0 | 1728 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 353 | 512 | 236 | 0 | 1101 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 685 | 733 | 386 | 0 | 1899 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 276 | 0 | 753 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 521 | 827 | 413 | 0 | 1761 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 504 | 257 | 0 | 960 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 536 | 563 | 237 | 0 | 1336 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 157 | 425 | 424 | 290 | 0 | 1452 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137 | 436 | 196 | 0 | 769 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 136 | 438 | 281 | 0 | 855 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 479 | 450 | 226 | 0 | 1240 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 520 | 233 | 0 | 753 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 620 | 345 | 0 | 974 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154 | 651 | 344 | 0 | 1149 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 58 | 0 | 64 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 122 | 85 | 730 | 602 | 320 | 0 | 1859 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 686 | 346 | 0 | 1301 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 | 119 | 0 | 352 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 190 | 112 | 0 | 302 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 510 | 244 | 0 | 754 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 494 | 630 | 328 | 0 | 1452 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154 | 641 | 291 | 0 | 1086 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 397 | 555 | 244 | 0 | 1196 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 459 | 708 | 330 | 0 | 1631 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 410 | 299 | 0 | 709 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 561 | 644 | 288 | 0 | 1493 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 | 508 | 172 | 0 | 876 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 392 | 703 | 210 | 0 | 1305 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 59 | 0 | 233 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 250 | 708 | 153 | 0 | 1162 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 524 | 659 | 319 | 0 | 1502 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 0 | 0 | 128 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 544 | 168 | 0 | 824 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 654 | 708 | 288 | 0 | 1650 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 608 | 664 | 339 | 0 | 1611 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 552 | 719 | 372 | 0 | 1643 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242 | 654 | 283 | 0 | 1179 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 380 | 101 | 0 | 481 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 401 | 677 | 324 | 0 | 1402 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 374 | 0 | 0 | 374 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 607 | 666 | 274 | 0 | 1586 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 580 | 641 | 0 | 0 | 1221 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301 | 536 | 113 | 0 | 950 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 25 | 0 | 158 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 615 | 677 | 201 | 0 | 1493 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 421 | 598 | 119 | 0 | 1138 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 75 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 690 | 489 | 34 | 0 | 1292 |
| 1977 | 0 | 0 | 0 | 0 | 189 | 0 | 311 | 116 | 516 | 420 | 126 | 0 | 1678 |
| 1978 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 443 | 189 | 0 | 673 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 636 | 520 | 101 | 0 | 1257 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223 | 75 | 0 | 298 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 699 | 639 | 206 | 0 | 1544 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 191 | 495 | 0 | 0 | 686 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275 | 763 | 655 | 261 | 0 | 1954 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 582 | 163 | 0 | 786 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | 971 | 666 | 369 | 0 | 2234 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 505 | 608 | 332 | 0 | 1457 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 527 | 579 | 166 | 0 | 1303 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 427 | 614 | 282 | 0 | 1393 |
| 1991 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 192 | 307 | 121 | 0 | 695 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143 | 500 | 418 | 269 | 0 | 1330 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 367 | 7 | 0 | 374 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 685 | 455 | 177 | 0 | 1317 |
| AVG: | 1 | 0 | 0 | 0 | 4 | 0 | 11 | 25 | 293 | 463 | 189 | 0 | 985 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 41 | 0 | 0 | 0 | 189 | 0 | 311 | 319 | 971 | 827 | 413 | 0 | 2234 |

Alternative 3 - Monthly Imports From the Trinity River (TAF)

(CP 3 Downstream Flow + CP 3 Diversions) - (CP 3 Local Inflow)

Negative numbers set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 174 | 100 | 69 | 46 | 42 | 81 | 95 | 122 | 117 | 121 | 59 | 48 | 1074 |
| 1923 | 64 | 56 | 46 | 31 | 28 | 50 | 21 | 91 | 88 | 90 | 53 | 27 | 645 |
| 1924 | 41 | 33 | 23 | 15 | 14 | 19 | 21 | 45 | 73 | 68 | 53 | 26 | 431 |
| 1925 | 41 | 11 | 23 | 15 | 14 | 20 | 21 | 45 | 88 | 90 | 60 | 48 | 476 |
| 1926 | 63 | 33 | 23 | 15 | 14 | 50 | 66 | 91 | 87 | 68 | 53 | 26 | 589 |
| 1927 | 41 | 33 | 23 | 31 | 28 | 81 | 96 | 122 | 118 | 121 | 90 | 70 | 854 |
| 1928 | 87 | 78 | 69 | 46 | 42 | 81 | 96 | 122 | 117 | 90 | 59 | 48 | 935 |
| 1929 | 64 | 56 | 46 | 31 | 28 | 50 | 21 | 45 | 73 | 68 | 53 | 26 | 561 |
| 1930 | 40 | 33 | 23 | 15 | 14 | 20 | 21 | 45 | 87 | 68 | 53 | 27 | 446 |
| 1931 | 40 | 33 | 23 | 15 | 14 | 20 | 21 | 45 | 74 | 68 | 53 | 26 | 432 |
| 1932 | 41 | 33 | 16 | 10 | 8 | 0 | 3 | 8 | 68 | 68 | 53 | 26 | 334 |
| 1933 | 40 | 33 | 23 | 7 | 7 | 0 | 0 | 40 | 73 | 68 | 53 | 26 | 370 |
| 1934 | 41 | 33 | 23 | 15 | 14 | 20 | 21 | 45 | 73 | 68 | 53 | 26 | 432 |
| 1935 | 41 | 33 | 23 | 15 | 14 | 20 | 0 | 45 | 73 | 68 | 53 | 26 | 411 |
| 1936 | 41 | 33 | 23 | 15 | 14 | 20 | 21 | 45 | 74 | 69 | 53 | 26 | 434 |
| 1937 | 40 | 33 | 23 | 15 | 14 | 20 | 21 | 45 | 89 | 90 | 59 | 26 | 475 |
| 1938 | 41 | 33 | 46 | 31 | 42 | 81 | 96 | 122 | 195 | 201 | 90 | 71 | 1049 |
| 1939 | 87 | 78 | 69 | 46 | 42 | 81 | 95 | 92 | 87 | 90 | 59 | 48 | 874 |
| 1940 | 40 | 33 | 23 | 15 | 28 | 81 | 96 | 122 | 117 | 121 | 90 | 71 | 837 |
| 1941 | 87 | 78 | 46 | 46 | 42 | 91 | 173 | 203 | 195 | 201 | 201 | 200 | 1563 |
| 1942 | 143 | 100 | 189 | 146 | 119 | 112 | 96 | 123 | 195 | 201 | 121 | 70 | 1615 |
| 1943 | 87 | 78 | 69 | 46 | 42 | 81 | 96 | 122 | 118 | 121 | 90 | 70 | 1020 |
| 1944 | 87 | 78 | 46 | 30 | 27 | 50 | 65 | 91 | 87 | 90 | 53 | 26 | 730 |
| 1945 | 40 | 33 | 23 | 15 | 27 | 50 | 65 | 92 | 88 | 90 | 60 | 48 | 631 |
| 1946 | 40 | 33 | 23 | 30 | 27 | 50 | 65 | 121 | 117 | 120 | 89 | 48 | 763 |
| 1947 | 63 | 55 | 46 | 30 | 27 | 50 | 65 | 90 | 88 | 90 | 54 | 25 | 683 |
| 1948 | 40 | 33 | 23 | 15 | 27 | 50 | 21 | 91 | 88 | 90 | 60 | 48 | 586 |
| 1949 | 63 | 55 | 46 | 30 | 28 | 19 | 65 | 91 | 87 | 90 | 60 | 48 | 682 |
| 1950 | 63 | 55 | 46 | 31 | 27 | 50 | 65 | 90 | 87 | 90 | 59 | 26 | 689 |
| 1951 | 40 | 55 | 46 | 46 | 41 | 81 | 95 | 122 | 117 | 121 | 90 | 70 | 924 |
| 1952 | 63 | 55 | 46 | 46 | 41 | 81 | 95 | 121 | 195 | 121 | 90 | 70 | 1024 |
| 1953 | 86 | 77 | 69 | 52 | 55 | 111 | 95 | 122 | 195 | 201 | 90 | 71 | 1224 |
| 1954 | 86 | 78 | 69 | 46 | 41 | 111 | 98 | 201 | 195 | 200 | 90 | 71 | 1286 |
| 1955 | 86 | 78 | 69 | 46 | 41 | 80 | 65 | 90 | 87 | 90 | 59 | 48 | 839 |
| 1956 | 63 | 55 | 46 | 46 | 41 | 80 | 95 | 122 | 194 | 201 | 90 | 70 | 1103 |
| 1957 | 86 | 77 | 69 | 46 | 41 | 81 | 95 | 122 | 117 | 121 | 90 | 70 | 1015 |
| 1958 | 87 | 77 | 69 | 46 | 149 | 202 | 195 | 201 | 195 | 201 | 160 | 169 | 1751 |
| 1959 | 132 | 100 | 69 | 46 | 41 | 81 | 95 | 122 | 120 | 120 | 90 | 71 | 1087 |
| 1960 | 86 | 77 | 46 | 31 | 27 | 81 | 65 | 122 | 117 | 121 | 59 | 48 | 880 |
| 1961 | 63 | 55 | 46 | 30 | 27 | 81 | 65 | 122 | 117 | 121 | 60 | 48 | 835 |
| 1962 | 63 | 55 | 46 | 30 | 28 | 50 | 65 | 91 | 87 | 90 | 60 | 48 | 713 |
| 1963 | 63 | 55 | 46 | 46 | 41 | 81 | 95 | 122 | 117 | 121 | 90 | 71 | 948 |
| 1964 | 87 | 78 | 69 | 46 | 41 | 81 | 95 | 121 | 88 | 90 | 59 | 48 | 843 |
| 1965 | 63 | 55 | 23 | 46 | 41 | 81 | 95 | 121 | 118 | 121 | 91 | 71 | 926 |
| 1966 | 86 | 78 | 69 | 46 | 41 | 81 | 95 | 121 | 120 | 121 | 90 | 70 | 1018 |
| 1967 | 86 | 77 | 69 | 46 | 41 | 81 | 96 | 122 | 118 | 201 | 90 | 70 | 1097 |
| 1968 | 86 | 77 | 69 | 46 | 41 | 111 | 95 | 122 | 117 | 121 | 91 | 71 | 1047 |
| 1969 | 86 | 78 | 46 | 46 | 41 | 81 | 95 | 121 | 195 | 201 | 90 | 71 | 1151 |
| 1970 | 86 | 77 | 69 | 169 | 193 | 200 | 172 | 122 | 123 | 121 | 90 | 70 | 1492 |
| 1971 | 86 | 78 | 69 | 46 | 41 | 111 | 95 | 122 | 195 | 201 | 90 | 70 | 1204 |
| 1972 | 86 | 77 | 69 | 46 | 41 | 80 | 95 | 121 | 126 | 120 | 90 | 70 | 1021 |
| 1973 | 86 | 78 | 69 | 46 | 41 | 81 | 95 | 121 | 117 | 120 | 90 | 70 | 1014 |
| 1974 | 86 | 146 | 203 | 203 | 191 | 194 | 195 | 201 | 194 | 201 | 120 | 157 | 2091 |
| 1975 | 125 | 100 | 69 | 46 | 41 | 81 | 95 | 121 | 194 | 200 | 120 | 69 | 1261 |
| 1976 | 86 | 77 | 69 | 46 | 41 | 80 | 95 | 120 | 87 | 89 | 59 | 48 | 897 |
| 1977 | 63 | 55 | 45 | 15 | 13 | 19 | 20 | 45 | 72 | 67 | 52 | 26 | 492 |
| 1978 | 40 | 33 | 23 | 15 | 27 | 50 | 65 | 121 | 116 | 120 | 89 | 70 | 769 |
| 1979 | 86 | 78 | 69 | 31 | 28 | 50 | 65 | 91 | 117 | 90 | 59 | 48 | 812 |
| 1980 | 63 | 55 | 46 | 31 | 41 | 81 | 95 | 122 | 117 | 121 | 90 | 70 | 932 |
| 1981 | 86 | 78 | 46 | 31 | 41 | 81 | 95 | 122 | 88 | 90 | 59 | 48 | 865 |
| 1982 | 63 | 33 | 46 | 46 | 41 | 81 | 95 | 122 | 195 | 121 | 90 | 70 | 1003 |
| 1983 | 86 | 78 | 69 | 97 | 131 | 202 | 196 | 202 | 195 | 201 | 201 | 199 | 1857 |
| 1984 | 220 | 187 | 169 | 200 | 89 | 112 | 95 | 122 | 117 | 121 | 90 | 70 | 1592 |
| 1985 | 86 | 78 | 69 | 46 | 41 | 81 | 95 | 122 | 88 | 90 | 59 | 48 | 903 |
| 1986 | 63 | 55 | 46 | 31 | 28 | 81 | 95 | 122 | 117 | 121 | 90 | 70 | 919 |
| 1987 | 86 | 78 | 69 | 31 | 28 | 50 | 65 | 122 | 88 | 90 | 59 | 48 | 814 |
| 1988 | 63 | 55 | 46 | 31 | 28 | 50 | 65 | 91 | 88 | 90 | 59 | 48 | 714 |
| 1989 | 40 | 33 | 23 | 15 | 14 | 19 | 65 | 91 | 88 | 90 | 59 | 48 | 585 |
| 1990 | 63 | 55 | 46 | 15 | 28 | 19 | 21 | 45 | 88 | 68 | 53 | 26 | 527 |
| 1991 | 40 | 33 | 23 | 15 | 14 | 19 | 21 | 45 | 73 | 68 | 53 | 26 | 430 |
| 1992 | 40 | 33 | 23 | 15 | 14 | 19 | 21 | 45 | 73 | 68 | 53 | 26 | 430 |
| 1993 | 40 | 33 | 23 | 15 | 14 | 19 | 21 | 91 | 117 | 121 | 90 | 70 | 654 |
| 1994 | 86 | 78 | 46 | 31 | 28 | 50 | 65 | 91 | 88 | 68 | 53 | 26 | 710 |
| AVG: | 72 | 62 | 52 | 41 | 40 | 69 | 75 | 104 | 116 | 115 | 77 | 58 | 881 |
| MIN: | 40 | 11 | 16 | 7 | 7 | 0 | 0 | 8 | 68 | 67 | 52 | 25 | 334 |
| MAX: | 220 | 187 | 203 | 203 | 193 | 202 | 196 | 203 | 195 | 201 | 201 | 200 | 2091 |

Alternative 4 - Obligation of Parties Other than Friant to Meet Vernalis Objective (SW(s)) (TAF)

SW(sj) = Add(3) + SR(F) - (EX(F) + IO(Fn)), negatives set to 0, compared to Add(3), whichever is less. IO (Fn) set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 39 | 0 | 0 | 0 | 0 | 91 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 27 | 0 | 0 | 0 | 0 | 34 |
| 1925 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 34 |
| 1926 | 10 | 0 | 0 | 0 | 0 | 32 | 0 | 18 | 8 | 0 | 0 | 0 | 68 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 74 | 2 | 0 | 0 | 0 | 81 |
| 1929 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 28 |
| 1930 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 25 | 0 | 0 | 0 | 0 | 42 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 23 |
| 1934 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 1935 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| 1940 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 0 | 0 | 0 | 112 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 31 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 18 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 23 | 25 | 7 | 19 | 0 | 0 | 0 | 74 |
| 1948 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 59 | 27 | 0 | 0 | 0 | 99 |
| 1949 | 12 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 4 | 0 | 0 | 0 | 38 |
| 1950 | 13 | 0 | 0 | 0 | 0 | 0 | 17 | 31 | 5 | 0 | 0 | 0 | 66 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 143 | 33 | 0 | 0 | 0 | 254 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 95 | 49 | 0 | 0 | 0 | 177 |
| 1954 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1955 | 11 | 0 | 0 | 0 | 7 | 33 | 0 | 0 | 9 | 0 | 0 | 0 | 60 |
| 1956 | 18 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 38 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 17 | 14 | 0 | 0 | 0 | 39 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 23 |
| 1960 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 1961 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 2 | 0 | 0 | 0 | 44 |
| 1964 | 0 | 0 | 0 | 0 | 18 | 33 | 0 | 19 | 20 | 0 | 0 | 0 | 90 |
| 1965 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 126 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 11 | 0 | 0 | 0 | 31 |
| 1967 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 35 | 17 | 0 | 0 | 0 | 83 |
| 1969 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 120 | 32 | 0 | 0 | 0 | 230 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 88 | 51 | 0 | 0 | 0 | 190 |
| 1972 | 15 | 0 | 0 | 0 | 9 | 29 | 54 | 47 | 27 | 0 | 0 | 0 | 181 |
| 1973 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 33 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 45 | 0 | 0 | 0 | 0 | 71 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 17 | 0 | 0 | 0 | 36 |
| 1982 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 112 | 29 | 0 | 0 | 0 | 198 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 22 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 | 85 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 5 | 0 | 0 | 0 | 0 | 3 | 9 | 17 | 8 | 0 | 0 | 0 | 42 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 28 | 0 | 0 | 0 | 18 | 52 | 85 | 143 | 91 | 0 | 0 | 0 | 254 |

Alternative 4 - Modified Exchange Contractor Delivery (Excm) (TAF)

Deliveries Capped at 840 TAF/Yr and Adjusted Inflow to Millerton Lake
 Adjusted Millerton Inflow = CP 18 Local Inflow - CP 605 Diversion - CP 606 Diversion

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 34 | 12 | 3 | 6 | 34 | 78 | 98 | 108 | 129 | 140 | 135 | 64 | 840 |
| 1923 | 35 | 12 | 3 | 6 | 39 | 82 | 102 | 112 | 134 | 145 | 104 | 66 | 840 |
| 1924 | 37 | 13 | 3 | 6 | 30 | 18 | 51 | 59 | 52 | 55 | 52 | 52 | 428 |
| 1925 | 28 | 9 | 3 | 4 | 30 | 85 | 107 | 119 | 141 | 135 | 112 | 69 | 840 |
| 1926 | 37 | 13 | 3 | 6 | 30 | 79 | 99 | 111 | 108 | 93 | 69 | 65 | 713 |
| 1927 | 32 | 11 | 3 | 5 | 38 | 79 | 99 | 109 | 130 | 140 | 130 | 64 | 840 |
| 1928 | 37 | 13 | 3 | 6 | 40 | 85 | 106 | 117 | 113 | 69 | 66 | 62 | 717 |
| 1929 | 37 | 13 | 3 | 6 | 30 | 53 | 83 | 92 | 110 | 82 | 55 | 54 | 618 |
| 1930 | 29 | 11 | 3 | 4 | 33 | 74 | 105 | 102 | 101 | 78 | 57 | 69 | 666 |
| 1931 | 37 | 13 | 3 | 6 | 30 | 34 | 48 | 62 | 60 | 62 | 60 | 52 | 467 |
| 1932 | 28 | 9 | 3 | 4 | 33 | 80 | 99 | 110 | 132 | 142 | 136 | 64 | 840 |
| 1933 | 35 | 12 | 3 | 5 | 30 | 63 | 79 | 88 | 106 | 109 | 89 | 33 | 652 |
| 1934 | 28 | 9 | 3 | 4 | 30 | 74 | 80 | 84 | 73 | 84 | 77 | 54 | 600 |
| 1935 | 31 | 11 | 3 | 5 | 31 | 74 | 105 | 118 | 141 | 152 | 99 | 69 | 840 |
| 1936 | 35 | 12 | 3 | 7 | 35 | 80 | 100 | 110 | 132 | 142 | 120 | 65 | 840 |
| 1937 | 35 | 12 | 3 | 6 | 28 | 76 | 101 | 112 | 135 | 145 | 123 | 65 | 840 |
| 1938 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1939 | 37 | 13 | 3 | 6 | 40 | 85 | 106 | 117 | 103 | 97 | 93 | 69 | 769 |
| 1940 | 37 | 13 | 3 | 6 | 33 | 85 | 106 | 119 | 142 | 128 | 93 | 69 | 834 |
| 1941 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1942 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1943 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1944 | 36 | 13 | 3 | 6 | 32 | 82 | 103 | 114 | 136 | 138 | 110 | 67 | 840 |
| 1945 | 34 | 12 | 3 | 6 | 30 | 79 | 98 | 109 | 130 | 140 | 135 | 64 | 840 |
| 1946 | 36 | 13 | 3 | 6 | 40 | 82 | 103 | 113 | 135 | 127 | 116 | 67 | 840 |
| 1947 | 37 | 13 | 3 | 6 | 34 | 82 | 106 | 119 | 99 | 86 | 71 | 68 | 724 |
| 1948 | 37 | 13 | 3 | 6 | 30 | 65 | 97 | 124 | 148 | 110 | 88 | 72 | 793 |
| 1949 | 38 | 13 | 3 | 7 | 33 | 81 | 106 | 119 | 142 | 98 | 86 | 69 | 795 |
| 1950 | 37 | 13 | 3 | 6 | 36 | 85 | 106 | 118 | 140 | 107 | 107 | 69 | 827 |
| 1951 | 37 | 13 | 3 | 6 | 41 | 85 | 106 | 117 | 140 | 118 | 104 | 69 | 839 |
| 1952 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1953 | 36 | 13 | 3 | 6 | 40 | 84 | 102 | 108 | 138 | 133 | 109 | 68 | 840 |
| 1954 | 37 | 13 | 3 | 6 | 41 | 85 | 106 | 117 | 140 | 101 | 83 | 69 | 801 |
| 1955 | 37 | 13 | 3 | 6 | 41 | 85 | 102 | 117 | 140 | 107 | 84 | 69 | 804 |
| 1956 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1957 | 37 | 13 | 3 | 6 | 36 | 85 | 105 | 117 | 139 | 123 | 106 | 69 | 840 |
| 1958 | 34 | 12 | 3 | 6 | 37 | 78 | 98 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1959 | 37 | 13 | 3 | 6 | 41 | 85 | 106 | 117 | 123 | 56 | 35 | 54 | 676 |
| 1960 | 29 | 13 | 3 | 6 | 30 | 73 | 97 | 98 | 93 | 91 | 98 | 69 | 700 |
| 1961 | 27 | 13 | 3 | 6 | 32 | 43 | 92 | 98 | 86 | 31 | 40 | 41 | 512 |
| 1962 | 12 | 12 | 3 | 6 | 31 | 81 | 101 | 114 | 136 | 145 | 132 | 66 | 840 |
| 1963 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1964 | 37 | 13 | 3 | 6 | 41 | 68 | 92 | 107 | 134 | 99 | 111 | 69 | 780 |
| 1965 | 19 | 12 | 3 | 6 | 38 | 80 | 99 | 110 | 131 | 141 | 137 | 65 | 840 |
| 1966 | 37 | 13 | 3 | 6 | 41 | 85 | 106 | 117 | 124 | 92 | 71 | 47 | 742 |
| 1967 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1968 | 37 | 13 | 3 | 6 | 41 | 79 | 99 | 86 | 96 | 103 | 98 | 69 | 730 |
| 1969 | 20 | 12 | 3 | 6 | 38 | 80 | 99 | 109 | 131 | 141 | 137 | 65 | 840 |
| 1970 | 36 | 13 | 3 | 6 | 40 | 83 | 103 | 114 | 136 | 134 | 106 | 67 | 840 |
| 1971 | 35 | 12 | 3 | 6 | 39 | 80 | 100 | 110 | 132 | 136 | 123 | 65 | 840 |
| 1972 | 37 | 13 | 3 | 6 | 41 | 85 | 93 | 96 | 120 | 87 | 84 | 46 | 711 |
| 1973 | 35 | 12 | 3 | 6 | 39 | 81 | 101 | 111 | 133 | 144 | 109 | 66 | 840 |
| 1974 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1975 | 36 | 13 | 3 | 6 | 35 | 83 | 103 | 115 | 136 | 134 | 111 | 67 | 840 |
| 1976 | 37 | 13 | 3 | 6 | 31 | 65 | 58 | 36 | 57 | 49 | 68 | 53 | 476 |
| 1977 | 22 | 9 | 3 | 4 | 11 | 3 | 4 | 2 | 54 | 58 | 48 | 26 | 244 |
| 1978 | 0 | 5 | 1 | 3 | 40 | 82 | 103 | 114 | 136 | 147 | 142 | 67 | 840 |
| 1979 | 35 | 12 | 3 | 6 | 33 | 81 | 102 | 113 | 135 | 128 | 125 | 66 | 840 |
| 1980 | 34 | 12 | 3 | 6 | 35 | 78 | 98 | 108 | 129 | 140 | 134 | 64 | 840 |
| 1981 | 37 | 13 | 3 | 6 | 41 | 85 | 106 | 117 | 105 | 92 | 89 | 69 | 763 |
| 1982 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1983 | 34 | 12 | 3 | 6 | 38 | 78 | 97 | 108 | 129 | 139 | 134 | 63 | 840 |
| 1984 | 34 | 12 | 3 | 6 | 38 | 79 | 98 | 108 | 130 | 140 | 128 | 64 | 840 |
| 1985 | 37 | 13 | 3 | 6 | 40 | 85 | 106 | 117 | 98 | 69 | 73 | 69 | 716 |
| 1986 | 35 | 12 | 3 | 6 | 33 | 80 | 100 | 111 | 132 | 143 | 120 | 65 | 840 |
| 1987 | 37 | 13 | 3 | 6 | 33 | 77 | 107 | 119 | 90 | 94 | 103 | 47 | 729 |
| 1988 | 31 | 13 | 3 | 6 | 34 | 68 | 85 | 94 | 89 | 92 | 61 | 47 | 623 |
| 1989 | 27 | 11 | 3 | 5 | 30 | 63 | 95 | 106 | 105 | 97 | 103 | 46 | 691 |
| 1990 | 33 | 12 | 3 | 5 | 33 | 74 | 92 | 92 | 52 | 112 | 64 | 43 | 615 |
| 1991 | 19 | 11 | 3 | 5 | 15 | 26 | 84 | 94 | 112 | 122 | 83 | 52 | 626 |
| 1992 | 23 | 11 | 3 | 5 | 25 | 52 | 53 | 48 | 23 | 45 | 37 | 26 | 351 |
| 1993 | 31 | 1 | 3 | 5 | 39 | 82 | 102 | 113 | 135 | 145 | 118 | 66 | 840 |
| 1994 | 37 | 13 | 3 | 6 | 36 | 75 | 94 | 104 | 104 | 96 | 94 | 61 | 723 |
| AVG: | 33 | 12 | 3 | 6 | 35 | 75 | 95 | 105 | 118 | 115 | 102 | 61 | 759 |
| MIN: | 0 | 1 | 1 | 3 | 11 | 3 | 4 | 2 | 23 | 31 | 35 | 26 | 244 |
| MAX: | 38 | 13 | 3 | 7 | 41 | 85 | 107 | 124 | 148 | 152 | 142 | 72 | 840 |

Alternative 4 - Friant Kern Canal Diversion to Export (EX(f)) (TAF)

CP 602 Diversion x Percent of Monthly FKC Deliveries Outside of the Kings River Basin (About 88%)

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 44 | 21 | 4 | 9 | 93 | 36 | 152 | 154 | 199 | 210 | 231 | 135 | 1288 |
| 1923 | 78 | 30 | 26 | 33 | 102 | 118 | 78 | 148 | 168 | 164 | 193 | 56 | 1193 |
| 1924 | 32 | 19 | 4 | 0 | 56 | 41 | 36 | 40 | 38 | 71 | 63 | 36 | 435 |
| 1925 | 33 | 16 | 3 | 0 | 51 | 85 | 73 | 86 | 154 | 134 | 107 | 81 | 822 |
| 1926 | 47 | 17 | 4 | 0 | 56 | 84 | 43 | 94 | 159 | 138 | 83 | 36 | 760 |
| 1927 | 48 | 25 | 3 | 5 | 77 | 130 | 152 | 179 | 175 | 205 | 215 | 102 | 1316 |
| 1928 | 61 | 22 | 1 | 2 | 78 | 76 | 92 | 98 | 161 | 121 | 70 | 29 | 812 |
| 1929 | 26 | 2 | 3 | 7 | 54 | 40 | 36 | 70 | 90 | 96 | 108 | 25 | 557 |
| 1930 | 25 | 0 | 3 | 6 | 54 | 54 | 46 | 52 | 103 | 108 | 76 | 25 | 552 |
| 1931 | 24 | 0 | 4 | 6 | 50 | 38 | 38 | 39 | 46 | 74 | 73 | 40 | 432 |
| 1932 | 31 | 16 | 3 | 2 | 65 | 135 | 164 | 179 | 172 | 204 | 157 | 101 | 1228 |
| 1933 | 43 | 14 | 3 | 0 | 58 | 86 | 62 | 73 | 128 | 112 | 137 | 21 | 737 |
| 1934 | 33 | 16 | 3 | 0 | 67 | 67 | 37 | 39 | 50 | 93 | 91 | 25 | 521 |
| 1935 | 31 | 14 | 4 | 0 | 81 | 120 | 92 | 183 | 170 | 210 | 212 | 52 | 1169 |
| 1936 | 26 | 2 | 4 | 10 | 56 | 135 | 162 | 165 | 201 | 207 | 181 | 74 | 1222 |
| 1937 | 41 | 23 | 4 | 0 | 40 | 135 | 128 | 155 | 206 | 216 | 208 | 99 | 1255 |
| 1938 | 45 | 19 | 4 | 13 | 87 | 40 | 56 | 72 | 166 | 213 | 249 | 139 | 1103 |
| 1939 | 90 | 51 | 26 | 36 | 85 | 81 | 45 | 46 | 130 | 133 | 120 | 33 | 876 |
| 1940 | 41 | 18 | 4 | 3 | 117 | 134 | 165 | 159 | 175 | 180 | 147 | 47 | 1188 |
| 1941 | 27 | 15 | 4 | 14 | 95 | 131 | 176 | 192 | 143 | 210 | 241 | 139 | 1387 |
| 1942 | 83 | 31 | 26 | 42 | 111 | 134 | 163 | 203 | 208 | 222 | 224 | 131 | 1578 |
| 1943 | 59 | 25 | 3 | 0 | 128 | 35 | 152 | 139 | 214 | 195 | 179 | 105 | 1234 |
| 1944 | 49 | 19 | 4 | 0 | 55 | 113 | 78 | 114 | 145 | 105 | 88 | 95 | 865 |
| 1945 | 70 | 31 | 21 | 30 | 63 | 119 | 170 | 170 | 174 | 194 | 224 | 130 | 1395 |
| 1946 | 89 | 43 | 21 | 48 | 155 | 104 | 118 | 107 | 166 | 167 | 141 | 75 | 1235 |
| 1947 | 56 | 19 | 3 | 8 | 86 | 90 | 60 | 66 | 128 | 132 | 91 | 39 | 777 |
| 1948 | 26 | 1 | 4 | 9 | 61 | 31 | 45 | 139 | 170 | 191 | 71 | 61 | 807 |
| 1949 | 33 | 16 | 4 | 0 | 56 | 86 | 95 | 88 | 153 | 136 | 71 | 46 | 783 |
| 1950 | 43 | 19 | 4 | 0 | 72 | 108 | 90 | 87 | 146 | 142 | 128 | 58 | 896 |
| 1951 | 72 | 51 | 0 | 54 | 173 | 122 | 92 | 135 | 175 | 160 | 81 | 43 | 1158 |
| 1952 | 36 | 18 | 4 | 27 | 114 | 131 | 113 | 141 | 174 | 218 | 243 | 138 | 1358 |
| 1953 | 91 | 45 | 21 | 41 | 109 | 71 | 57 | 94 | 139 | 129 | 110 | 60 | 966 |
| 1954 | 41 | 21 | 4 | 0 | 74 | 85 | 98 | 94 | 151 | 148 | 129 | 29 | 875 |
| 1955 | 33 | 16 | 4 | 5 | 83 | 95 | 43 | 92 | 136 | 143 | 101 | 49 | 801 |
| 1956 | 34 | 16 | 22 | 54 | 109 | 42 | 172 | 182 | 140 | 210 | 237 | 138 | 1357 |
| 1957 | 93 | 45 | 24 | 28 | 75 | 58 | 47 | 67 | 157 | 185 | 180 | 38 | 997 |
| 1958 | 37 | 19 | 4 | 9 | 92 | 124 | 168 | 196 | 179 | 223 | 223 | 133 | 1405 |
| 1959 | 87 | 37 | 22 | 28 | 68 | 99 | 49 | 53 | 135 | 145 | 78 | 33 | 835 |
| 1960 | 28 | 13 | 0 | 0 | 36 | 58 | 39 | 50 | 93 | 74 | 92 | 60 | 543 |
| 1961 | 23 | 0 | 1 | 5 | 32 | 29 | 36 | 41 | 84 | 86 | 66 | 31 | 433 |
| 1962 | 10 | 6 | 0 | 6 | 30 | 132 | 160 | 124 | 174 | 199 | 212 | 96 | 1149 |
| 1963 | 54 | 22 | 4 | 0 | 52 | 71 | 80 | 177 | 174 | 201 | 244 | 137 | 1215 |
| 1964 | 72 | 18 | 0 | 12 | 61 | 53 | 42 | 53 | 121 | 159 | 136 | 53 | 780 |
| 1965 | 22 | 0 | 4 | 48 | 175 | 134 | 138 | 184 | 175 | 196 | 179 | 135 | 1389 |
| 1966 | 83 | 31 | 17 | 54 | 154 | 113 | 63 | 53 | 129 | 154 | 89 | 37 | 978 |
| 1967 | 29 | 13 | 5 | 43 | 113 | 126 | 161 | 77 | 174 | 212 | 249 | 161 | 1363 |
| 1968 | 93 | 56 | 24 | 42 | 81 | 68 | 43 | 50 | 105 | 133 | 119 | 52 | 865 |
| 1969 | 23 | 0 | 3 | 15 | 23 | 50 | 0 | 159 | 167 | 208 | 249 | 176 | 1073 |
| 1970 | 79 | 24 | 2 | 0 | 116 | 118 | 95 | 115 | 133 | 154 | 154 | 54 | 1045 |
| 1971 | 24 | 0 | 4 | 36 | 109 | 111 | 83 | 99 | 159 | 148 | 106 | 101 | 982 |
| 1972 | 46 | 15 | 4 | 9 | 83 | 93 | 39 | 54 | 80 | 148 | 87 | 38 | 695 |
| 1973 | 41 | 22 | 4 | 7 | 92 | 135 | 179 | 193 | 175 | 204 | 210 | 69 | 1331 |
| 1974 | 37 | 20 | 1 | 52 | 178 | 134 | 166 | 191 | 205 | 220 | 211 | 98 | 1512 |
| 1975 | 47 | 18 | 4 | 2 | 59 | 108 | 136 | 209 | 171 | 204 | 177 | 70 | 1204 |
| 1976 | 46 | 24 | 0 | 0 | 53 | 39 | 37 | 44 | 91 | 67 | 71 | 42 | 513 |
| 1977 | 26 | 2 | 0 | 3 | 13 | 58 | 0 | 0 | 50 | 46 | 45 | 27 | 270 |
| 1978 | 0 | 5 | 0 | 5 | 105 | 37 | 56 | 110 | 170 | 215 | 249 | 139 | 1089 |
| 1979 | 113 | 61 | 22 | 52 | 155 | 133 | 172 | 182 | 204 | 196 | 177 | 51 | 1520 |
| 1980 | 42 | 22 | 1 | 0 | 70 | 67 | 110 | 148 | 180 | 212 | 249 | 161 | 1263 |
| 1981 | 82 | 31 | 25 | 27 | 72 | 59 | 68 | 83 | 98 | 132 | 122 | 39 | 839 |
| 1982 | 33 | 16 | 4 | 36 | 121 | 130 | 80 | 163 | 193 | 222 | 249 | 136 | 1383 |
| 1983 | 112 | 50 | 8 | 38 | 0 | 39 | 0 | 0 | 125 | 211 | 173 | 116 | 872 |
| 1984 | 72 | 37 | 5 | 20 | 135 | 106 | 128 | 138 | 169 | 170 | 187 | 80 | 1248 |
| 1985 | 66 | 25 | 4 | 1 | 93 | 85 | 68 | 78 | 137 | 121 | 85 | 67 | 831 |
| 1986 | 46 | 24 | 3 | 16 | 42 | 64 | 88 | 186 | 190 | 223 | 231 | 106 | 1219 |
| 1987 | 68 | 31 | 25 | 24 | 49 | 29 | 38 | 40 | 87 | 133 | 125 | 25 | 674 |
| 1988 | 23 | 0 | 2 | 5 | 77 | 34 | 37 | 49 | 110 | 110 | 71 | 33 | 551 |
| 1989 | 22 | 0 | 1 | 4 | 43 | 56 | 48 | 45 | 99 | 145 | 115 | 25 | 602 |
| 1990 | 26 | 13 | 2 | 0 | 33 | 39 | 38 | 40 | 75 | 102 | 98 | 26 | 493 |
| 1991 | 23 | 1 | 0 | 4 | 26 | 76 | 55 | 74 | 92 | 118 | 107 | 30 | 605 |
| 1992 | 21 | 0 | 0 | 4 | 26 | 54 | 38 | 40 | 31 | 43 | 36 | 19 | 312 |
| 1993 | 35 | 3 | 0 | 0 | 131 | 134 | 171 | 209 | 156 | 209 | 242 | 138 | 1428 |
| 1994 | 86 | 34 | 25 | 26 | 56 | 31 | 39 | 48 | 123 | 117 | 100 | 44 | 730 |
| AVG: | 48 | 20 | 7 | 15 | 79 | 85 | 87 | 108 | 143 | 159 | 149 | 74 | 975 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 31 | 43 | 36 | 19 | 270 |
| MAX: | 113 | 61 | 26 | 54 | 178 | 135 | 179 | 209 | 214 | 223 | 249 | 176 | 1578 |

Alternative 4 - Modified Friant Kern Canal Diversion to Export (EX(F)) (TAF)

EX(F) = EX(f) - Excm, negative values set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 10 | 9 | 1 | 4 | 59 | 0 | 55 | 46 | 70 | 70 | 96 | 71 | 491 |
| 1923 | 42 | 17 | 23 | 28 | 62 | 37 | 0 | 36 | 34 | 19 | 89 | 0 | 387 |
| 1924 | 0 | 6 | 1 | 0 | 26 | 23 | 0 | 0 | 0 | 16 | 11 | 0 | 82 |
| 1925 | 5 | 7 | 0 | 0 | 21 | 1 | 0 | 0 | 13 | 0 | 0 | 12 | 58 |
| 1926 | 10 | 4 | 1 | 0 | 26 | 5 | 0 | 0 | 51 | 45 | 14 | 0 | 155 |
| 1927 | 16 | 14 | 0 | 1 | 39 | 51 | 54 | 70 | 45 | 65 | 85 | 38 | 476 |
| 1928 | 24 | 9 | 0 | 0 | 38 | 0 | 0 | 0 | 48 | 52 | 4 | 0 | 174 |
| 1929 | 0 | 0 | 0 | 1 | 24 | 0 | 0 | 0 | 0 | 14 | 53 | 0 | 92 |
| 1930 | 0 | 0 | 0 | 2 | 21 | 0 | 0 | 0 | 2 | 30 | 19 | 0 | 74 |
| 1931 | 0 | 0 | 1 | 0 | 20 | 4 | 0 | 0 | 0 | 12 | 13 | 0 | 50 |
| 1932 | 3 | 7 | 0 | 0 | 32 | 55 | 65 | 69 | 39 | 62 | 21 | 37 | 391 |
| 1933 | 8 | 2 | 0 | 0 | 28 | 23 | 0 | 0 | 22 | 3 | 48 | 0 | 134 |
| 1934 | 5 | 7 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 9 | 14 | 0 | 71 |
| 1935 | 0 | 3 | 1 | 0 | 50 | 46 | 0 | 65 | 28 | 58 | 113 | 0 | 364 |
| 1936 | 0 | 0 | 1 | 3 | 22 | 55 | 63 | 55 | 69 | 65 | 61 | 9 | 401 |
| 1937 | 7 | 11 | 1 | 0 | 12 | 59 | 28 | 43 | 71 | 72 | 85 | 34 | 420 |
| 1938 | 11 | 7 | 2 | 7 | 49 | 0 | 0 | 0 | 38 | 74 | 115 | 76 | 378 |
| 1939 | 53 | 38 | 23 | 30 | 45 | 0 | 0 | 0 | 27 | 36 | 27 | 0 | 280 |
| 1940 | 4 | 5 | 1 | 0 | 84 | 49 | 59 | 40 | 33 | 52 | 54 | 0 | 380 |
| 1941 | 0 | 3 | 2 | 8 | 58 | 53 | 78 | 85 | 15 | 71 | 107 | 76 | 554 |
| 1942 | 49 | 20 | 23 | 37 | 73 | 56 | 66 | 96 | 79 | 83 | 89 | 67 | 738 |
| 1943 | 25 | 13 | 0 | 0 | 90 | 0 | 55 | 31 | 85 | 57 | 45 | 42 | 443 |
| 1944 | 14 | 6 | 1 | 0 | 23 | 31 | 0 | 0 | 9 | 0 | 0 | 29 | 111 |
| 1945 | 36 | 19 | 18 | 24 | 32 | 41 | 72 | 61 | 44 | 53 | 89 | 66 | 555 |
| 1946 | 53 | 30 | 18 | 42 | 116 | 22 | 16 | 0 | 31 | 41 | 25 | 9 | 402 |
| 1947 | 19 | 6 | 0 | 2 | 52 | 8 | 0 | 0 | 29 | 46 | 20 | 0 | 182 |
| 1948 | 0 | 0 | 1 | 3 | 31 | 0 | 0 | 15 | 22 | 81 | 0 | 0 | 152 |
| 1949 | 0 | 3 | 1 | 0 | 23 | 5 | 0 | 0 | 11 | 38 | 0 | 0 | 80 |
| 1950 | 6 | 6 | 1 | 0 | 36 | 23 | 0 | 0 | 6 | 35 | 21 | 0 | 134 |
| 1951 | 35 | 38 | 0 | 48 | 132 | 37 | 0 | 18 | 35 | 42 | 0 | 0 | 385 |
| 1952 | 2 | 6 | 2 | 22 | 76 | 53 | 16 | 34 | 46 | 79 | 109 | 75 | 518 |
| 1953 | 54 | 33 | 18 | 35 | 69 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 211 |
| 1954 | 4 | 8 | 1 | 0 | 33 | 0 | 0 | 0 | 11 | 47 | 46 | 0 | 151 |
| 1955 | 0 | 3 | 1 | 0 | 42 | 10 | 0 | 0 | 0 | 36 | 17 | 0 | 109 |
| 1956 | 0 | 4 | 20 | 49 | 71 | 0 | 75 | 74 | 11 | 71 | 103 | 75 | 553 |
| 1957 | 57 | 32 | 21 | 22 | 39 | 0 | 0 | 0 | 17 | 61 | 74 | 0 | 324 |
| 1958 | 3 | 7 | 1 | 4 | 55 | 46 | 70 | 88 | 50 | 84 | 88 | 70 | 565 |
| 1959 | 50 | 24 | 19 | 22 | 27 | 14 | 0 | 0 | 12 | 89 | 43 | 0 | 300 |
| 1960 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 26 | 0 | 81 |
| 1962 | 0 | 0 | 0 | 1 | 0 | 51 | 58 | 10 | 38 | 53 | 80 | 30 | 321 |
| 1963 | 20 | 10 | 1 | 0 | 14 | 0 | 0 | 70 | 46 | 62 | 110 | 74 | 406 |
| 1964 | 35 | 5 | 0 | 6 | 20 | 0 | 0 | 0 | 0 | 60 | 25 | 0 | 151 |
| 1965 | 3 | 0 | 1 | 42 | 136 | 54 | 39 | 74 | 44 | 55 | 42 | 70 | 562 |
| 1966 | 46 | 18 | 14 | 48 | 113 | 28 | 0 | 0 | 5 | 62 | 18 | 0 | 353 |
| 1967 | 0 | 1 | 3 | 38 | 75 | 48 | 63 | 0 | 46 | 73 | 115 | 97 | 558 |
| 1968 | 56 | 43 | 21 | 36 | 40 | 0 | 0 | 0 | 9 | 30 | 21 | 0 | 255 |
| 1969 | 3 | 0 | 0 | 10 | 0 | 0 | 0 | 50 | 36 | 66 | 112 | 111 | 389 |
| 1970 | 43 | 11 | 0 | 0 | 76 | 36 | 0 | 2 | 0 | 20 | 48 | 0 | 236 |
| 1971 | 0 | 0 | 2 | 31 | 71 | 31 | 0 | 0 | 28 | 12 | 0 | 36 | 209 |
| 1972 | 9 | 2 | 1 | 3 | 42 | 8 | 0 | 0 | 0 | 61 | 3 | 0 | 128 |
| 1973 | 5 | 10 | 1 | 2 | 53 | 54 | 79 | 82 | 42 | 60 | 101 | 4 | 491 |
| 1974 | 3 | 8 | 0 | 46 | 140 | 56 | 69 | 84 | 76 | 81 | 77 | 35 | 674 |
| 1975 | 11 | 5 | 1 | 0 | 24 | 25 | 33 | 94 | 35 | 70 | 67 | 3 | 368 |
| 1976 | 9 | 11 | 0 | 0 | 22 | 0 | 0 | 8 | 34 | 18 | 3 | 0 | 104 |
| 1977 | 4 | 0 | 0 | 0 | 2 | 55 | 0 | 0 | 0 | 0 | 0 | 1 | 62 |
| 1978 | 0 | 0 | 0 | 2 | 66 | 0 | 0 | 0 | 34 | 67 | 107 | 72 | 348 |
| 1979 | 77 | 49 | 19 | 47 | 123 | 52 | 71 | 69 | 69 | 68 | 52 | 0 | 695 |
| 1980 | 8 | 10 | 0 | 0 | 35 | 0 | 13 | 40 | 51 | 72 | 114 | 97 | 442 |
| 1981 | 45 | 18 | 22 | 21 | 31 | 0 | 0 | 0 | 0 | 40 | 33 | 0 | 211 |
| 1982 | 0 | 4 | 2 | 31 | 83 | 52 | 0 | 56 | 64 | 83 | 115 | 72 | 561 |
| 1983 | 78 | 38 | 5 | 32 | 0 | 0 | 0 | 0 | 0 | 72 | 39 | 53 | 318 |
| 1984 | 38 | 25 | 3 | 14 | 97 | 27 | 30 | 29 | 39 | 30 | 59 | 16 | 408 |
| 1985 | 29 | 12 | 1 | 0 | 53 | 0 | 0 | 0 | 39 | 52 | 12 | 0 | 199 |
| 1986 | 11 | 12 | 0 | 11 | 9 | 0 | 0 | 75 | 58 | 79 | 111 | 41 | 407 |
| 1987 | 31 | 18 | 22 | 18 | 16 | 0 | 0 | 0 | 0 | 39 | 22 | 0 | 166 |
| 1988 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 21 | 18 | 10 | 0 | 93 |
| 1989 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 48 | 12 | 0 | 73 |
| 1990 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 34 | 0 | 58 |
| 1991 | 4 | 0 | 0 | 0 | 11 | 50 | 0 | 0 | 0 | 0 | 24 | 0 | 89 |
| 1992 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 8 | 0 | 0 | 0 | 11 |
| 1993 | 4 | 2 | 0 | 0 | 92 | 52 | 69 | 96 | 21 | 64 | 124 | 72 | 596 |
| 1994 | 49 | 21 | 22 | 20 | 20 | 0 | 0 | 0 | 19 | 21 | 6 | 0 | 179 |
| AVG: | 17 | 10 | 5 | 12 | 45 | 20 | 18 | 24 | 27 | 46 | 48 | 23 | 295 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| MAX: | 78 | 49 | 23 | 49 | 140 | 59 | 79 | 96 | 85 | 89 | 124 | 111 | 738 |

Alternative 4 - Millerton Lake Releases from Storage (SR(F))

(TAF)

SR(F) = CP18 Downstream Flow - CP18 Local Inflow

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|------|------|------|------|------|------|------|------|------|-----|-----|-------|
| 1922 | -14 | -43 | -71 | -75 | -8 | -85 | 33 | -93 | -5 | 71 | 169 | 77 | -44 |
| 1923 | 13 | -26 | -76 | -59 | 22 | 47 | -89 | -34 | 29 | 48 | 165 | -16 | 24 |
| 1924 | -29 | -27 | -42 | -44 | 21 | 37 | -11 | -16 | 16 | 64 | 29 | -10 | -12 |
| 1925 | 11 | -20 | -37 | -36 | -17 | 43 | -63 | -63 | 32 | 65 | 37 | 18 | -30 |
| 1926 | -7 | -30 | -43 | -41 | -13 | 44 | -147 | -70 | 120 | 124 | 46 | -28 | -45 |
| 1927 | -14 | -44 | -69 | -65 | -76 | -9 | 3 | -50 | -42 | 154 | 163 | 22 | -27 |
| 1928 | -1 | -56 | -69 | -63 | 8 | -14 | -34 | -17 | 118 | 121 | 24 | -27 | -10 |
| 1929 | -19 | -38 | -40 | -34 | 19 | 13 | -61 | -3 | 9 | 62 | 97 | -27 | -22 |
| 1930 | -3 | -38 | -34 | -34 | 10 | 13 | -51 | -36 | 53 | 80 | 49 | -39 | -30 |
| 1931 | -10 | -41 | -33 | -31 | 16 | 26 | -6 | -20 | 20 | 64 | 34 | -3 | 16 |
| 1932 | -2 | -20 | -69 | -54 | -83 | 46 | 21 | -29 | -87 | 126 | 71 | 33 | -47 |
| 1933 | -1 | -27 | -33 | -45 | 11 | 33 | -60 | -62 | 36 | 50 | 104 | -3 | 3 |
| 1934 | -6 | -23 | -51 | -53 | 18 | 22 | -39 | -42 | 13 | 71 | 49 | -24 | -65 |
| 1935 | -10 | -28 | -45 | -69 | 11 | 75 | -117 | -98 | -62 | 163 | 197 | -26 | -9 |
| 1936 | -16 | -45 | -47 | -51 | -115 | 5 | -29 | -69 | 66 | 165 | 129 | -16 | -23 |
| 1937 | -23 | -25 | -57 | -64 | -107 | -51 | -39 | -4 | -2 | 172 | 163 | 31 | -6 |
| 1938 | -8 | -32 | -145 | -114 | 0 | 76 | 49 | 169 | -365 | -30 | 198 | 38 | -164 |
| 1939 | 23 | -4 | -51 | -34 | 22 | 27 | -68 | -83 | 86 | 112 | 76 | -55 | 51 |
| 1940 | 2 | -27 | -41 | -121 | -5 | -7 | 13 | -62 | 34 | 147 | 114 | -13 | 34 |
| 1941 | -24 | -31 | -108 | -113 | -19 | -71 | 2 | 15 | -44 | 34 | 177 | 62 | -120 |
| 1942 | 25 | -30 | -81 | -79 | 10 | -20 | -5 | -39 | -82 | 103 | 165 | 82 | 49 |
| 1943 | -1 | -41 | -71 | -151 | 4 | -107 | 8 | -14 | 70 | 143 | 103 | 34 | -23 |
| 1944 | -8 | -28 | -50 | -40 | -10 | 53 | -30 | -4 | 43 | 16 | 8 | 21 | -29 |
| 1945 | -4 | -57 | -63 | -35 | -114 | -43 | 13 | -33 | -35 | 109 | 155 | 54 | -53 |
| 1946 | 13 | -46 | -93 | -65 | 73 | 15 | -47 | -101 | 56 | 123 | 79 | -7 | 0 |
| 1947 | -2 | -49 | -81 | -66 | 9 | 42 | -60 | -55 | 86 | 118 | 55 | -22 | -25 |
| 1948 | -15 | -43 | -45 | -38 | 20 | -25 | -108 | 21 | 36 | 175 | 5 | -11 | -28 |
| 1949 | -15 | -30 | -38 | -42 | 5 | 44 | -37 | -61 | 56 | 106 | 10 | -31 | -33 |
| 1950 | -7 | -34 | -48 | -59 | -22 | 63 | -39 | -69 | 45 | 107 | 72 | -16 | -7 |
| 1951 | -19 | -133 | -117 | -1 | 29 | 32 | -29 | 24 | 113 | 124 | -2 | -42 | -21 |
| 1952 | -16 | -34 | -94 | -120 | -6 | -37 | 37 | 131 | -229 | 24 | 192 | 51 | -101 |
| 1953 | 20 | -40 | -65 | -63 | 42 | 22 | -34 | 14 | 60 | 59 | 43 | -7 | 51 |
| 1954 | -18 | -26 | -50 | -61 | 0 | 17 | -40 | -100 | 65 | 125 | 100 | -41 | -29 |
| 1955 | -14 | -37 | -63 | -67 | 13 | 60 | -52 | -46 | 29 | 103 | 57 | -16 | -33 |
| 1956 | -9 | -24 | -224 | -1 | 0 | -88 | 0 | 74 | -85 | 51 | 169 | 58 | -79 |
| 1957 | 25 | -24 | -43 | -31 | 4 | -12 | -69 | -69 | -13 | 146 | 147 | -24 | 37 |
| 1958 | -18 | -35 | -75 | -76 | -40 | -57 | -61 | -2 | -7 | 92 | 156 | 49 | -74 |
| 1959 | 16 | -44 | -50 | -24 | -25 | 28 | -84 | -84 | 71 | 171 | 71 | -14 | 32 |
| 1960 | 4 | -4 | -13 | -22 | -38 | 15 | -51 | -36 | 49 | 31 | 31 | 2 | -32 |
| 1961 | -1 | -25 | -39 | -18 | 3 | -4 | -52 | -52 | 44 | 116 | 40 | -2 | 10 |
| 1962 | -2 | -8 | -31 | -18 | -149 | 34 | 5 | -118 | -70 | 125 | 161 | 27 | -44 |
| 1963 | -9 | -28 | -28 | -53 | -157 | -2 | -95 | -4 | -5 | 58 | 175 | 49 | -99 |
| 1964 | 37 | -79 | -93 | -35 | 17 | 10 | -42 | -39 | 43 | 147 | 80 | -19 | 27 |
| 1965 | 5 | -39 | -100 | -131 | 19 | 9 | -27 | 36 | -52 | 85 | 94 | 45 | -56 |
| 1966 | 21 | -72 | -122 | -55 | 74 | 54 | -72 | -92 | 64 | 151 | 52 | -3 | 0 |
| 1967 | -10 | -34 | -125 | -87 | -4 | -61 | 34 | 200 | -236 | -40 | 170 | 60 | -133 |
| 1968 | 22 | -21 | -66 | -23 | -3 | 25 | -47 | -24 | 61 | 108 | 69 | -12 | 89 |
| 1969 | 5 | -40 | -52 | -183 | 145 | 10 | 143 | -6 | -386 | -6 | 175 | 83 | -112 |
| 1970 | 43 | -54 | -88 | -86 | 0 | 25 | -2 | -7 | 44 | 92 | 108 | -5 | 70 |
| 1971 | -11 | -54 | -102 | -69 | 12 | 57 | -32 | -14 | 82 | 64 | 17 | 26 | -24 |
| 1972 | -1 | -29 | -83 | -61 | 14 | 27 | -47 | -27 | 6 | 139 | 36 | -1 | -27 |
| 1973 | -20 | -33 | -69 | -84 | -66 | -2 | 44 | -128 | -12 | 159 | 181 | 11 | -19 |
| 1974 | -24 | -65 | -124 | -68 | 69 | -25 | -43 | -58 | -25 | 164 | 145 | 35 | -19 |
| 1975 | -7 | -44 | -62 | -42 | -26 | 31 | -25 | -14 | -142 | 169 | 136 | -16 | -42 |
| 1976 | -18 | -63 | -67 | -40 | 8 | -21 | -15 | 17 | 81 | 76 | 26 | -37 | -53 |
| 1977 | 9 | -17 | -11 | -8 | 3 | 89 | -4 | 2 | 0 | -10 | 7 | -3 | 57 |
| 1978 | 0 | -2 | -48 | -143 | -119 | 37 | 151 | 30 | -314 | -6 | 137 | 31 | -246 |
| 1979 | 41 | -30 | -56 | -50 | 22 | -34 | 7 | -61 | 40 | 165 | 119 | -13 | 150 |
| 1980 | -18 | 0 | -55 | -198 | 0 | 8 | -43 | 72 | -135 | -6 | 158 | 100 | -117 |
| 1981 | 30 | -28 | -26 | -28 | -9 | -9 | -55 | -34 | 42 | 110 | 83 | -27 | 49 |
| 1982 | -9 | -37 | -106 | -104 | 0 | -88 | 147 | -71 | -87 | -6 | 143 | 18 | -200 |
| 1983 | 36 | -105 | -19 | -1 | 182 | 77 | 39 | -2 | -40 | -290 | -45 | -28 | -196 |
| 1984 | 83 | -1 | 0 | -1 | 0 | -43 | -12 | -2 | 57 | 107 | 127 | 7 | 322 |
| 1985 | 1 | -25 | -55 | -84 | 9 | 25 | -98 | -62 | 100 | 123 | 45 | -3 | -24 |
| 1986 | -17 | -50 | -88 | -81 | 14 | -8 | -112 | 40 | -63 | 89 | 197 | 59 | -20 |
| 1987 | -4 | -19 | -10 | -9 | -2 | -46 | -65 | -87 | 44 | 117 | 73 | -17 | -25 |
| 1988 | -5 | -33 | -36 | -60 | 34 | -38 | -48 | -35 | 74 | 86 | 34 | -8 | -35 |
| 1989 | -2 | -28 | -25 | -28 | 10 | -16 | -75 | -62 | 43 | 124 | 58 | -16 | -17 |
| 1990 | -12 | -19 | -19 | -23 | 0 | -24 | -53 | -48 | 66 | 51 | 73 | -12 | -20 |
| 1991 | 7 | -15 | -16 | -18 | 16 | 9 | -33 | -24 | -15 | 13 | 66 | -16 | -26 |
| 1992 | 1 | -13 | -10 | -13 | -4 | 26 | -9 | -4 | 29 | 20 | 8 | -3 | 28 |
| 1993 | -4 | 2 | -24 | -176 | -27 | -60 | -11 | -98 | -5 | 21 | 205 | 68 | -109 |
| 1994 | 24 | -20 | -30 | -13 | 12 | -41 | -50 | -59 | 75 | 90 | 46 | -17 | 17 |
| AVG: | 0 | -34 | -60 | -59 | -3 | 4 | -27 | -27 | -3 | 85 | 95 | 7 | -24 |
| MIN: | -29 | -133 | -224 | -198 | -157 | -107 | -147 | -128 | -386 | -290 | -45 | -55 | -246 |
| MAX: | 83 | 2 | 0 | -1 | 182 | 89 | 151 | 200 | 120 | 175 | 205 | 100 | 322 |

Alternative 4 - Obligation of Friant to Meet Vernalis Objective (FO) (TAF)

FO = Add(Alt3) - SJO

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 6 | 0 | 0 | 0 | 0 | 0 | 22 | 108 | 0 | 0 | 0 | 0 | 136 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 70 | 0 | 0 | 0 | 0 | 122 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 16 | 0 | 0 | 0 | 0 | 27 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 63 | 0 | 0 | 0 | 0 | 86 |
| 1926 | 17 | 0 | 0 | 0 | 0 | 0 | 34 | 70 | 0 | 0 | 0 | 0 | 121 |
| 1927 | 27 | 0 | 0 | 0 | 0 | 0 | 24 | 113 | 87 | 0 | 0 | 0 | 251 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 17 | 0 | 0 | 0 | 0 | 51 |
| 1929 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 22 |
| 1930 | 3 | 0 | 0 | 0 | 0 | 0 | 15 | 20 | 0 | 0 | 0 | 0 | 38 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 20 | 0 | 0 | 0 | 0 | 26 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 32 | 0 | 0 | 0 | 100 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 57 | 0 | 0 | 0 | 0 | 88 |
| 1934 | 11 | 0 | 0 | 0 | 0 | 0 | 10 | 42 | 0 | 0 | 0 | 0 | 63 |
| 1935 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 3 | 0 | 0 | 0 | 52 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 45 |
| 1940 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 64 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 15 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 1945 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 25 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 11 | 0 | 0 | 0 | 0 | 37 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 55 | 0 | 0 | 0 | 0 | 115 |
| 1948 | 15 | 0 | 0 | 0 | 11 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 47 |
| 1949 | 15 | 0 | 0 | 0 | 0 | 0 | 37 | 46 | 0 | 0 | 0 | 0 | 98 |
| 1950 | 13 | 0 | 0 | 0 | 0 | 0 | 39 | 69 | 0 | 0 | 0 | 0 | 121 |
| 1951 | 25 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 54 |
| 1952 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 34 |
| 1954 | 22 | 0 | 0 | 0 | 21 | 0 | 3 | 82 | 0 | 0 | 0 | 0 | 128 |
| 1955 | 14 | 0 | 0 | 0 | 29 | 0 | 31 | 44 | 0 | 0 | 0 | 0 | 118 |
| 1956 | 9 | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 84 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 69 | 69 | 30 | 0 | 0 | 0 | 168 |
| 1958 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 67 | 0 | 0 | 0 | 0 | 102 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 14 | 0 | 0 | 0 | 0 | 23 |
| 1961 | 1 | 0 | 0 | 0 | 0 | 0 | 17 | 39 | 0 | 0 | 0 | 0 | 57 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 8 | 0 | 0 | 0 | 93 |
| 1963 | 27 | 0 | 0 | 0 | 0 | 2 | 0 | 62 | 51 | 0 | 0 | 0 | 142 |
| 1964 | 0 | 0 | 0 | 0 | 3 | 0 | 37 | 39 | 0 | 0 | 0 | 0 | 79 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 38 | 33 | 0 | 0 | 0 | 85 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 68 | 0 | 0 | 0 | 0 | 140 |
| 1967 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 24 | 0 | 0 | 0 | 0 | 71 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 0 | 11 |
| 1971 | 11 | 0 | 0 | 0 | 0 | 0 | 32 | 14 | 0 | 0 | 0 | 0 | 57 |
| 1972 | 10 | 0 | 0 | 0 | 28 | 0 | 47 | 27 | 0 | 0 | 0 | 0 | 112 |
| 1973 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 41 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 52 | 0 | 0 | 0 | 83 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 79 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 68 | 21 | 0 | 0 | 0 | 91 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 34 | 0 | 0 | 0 | 0 | 85 |
| 1982 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 31 | 0 | 0 | 0 | 0 | 73 |
| 1985 | 12 | 0 | 0 | 0 | 0 | 0 | 21 | 54 | 0 | 0 | 0 | 0 | 87 |
| 1986 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 26 |
| 1988 | 5 | 0 | 0 | 0 | 0 | 0 | 14 | 34 | 0 | 0 | 0 | 0 | 53 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 23 | 0 | 0 | 0 | 0 | 44 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 39 | 0 | 0 | 0 | 0 | 53 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 1993 | 0 | 0 | 0 | 0 | 35 | 34 | 80 | 85 | 0 | 0 | 0 | 0 | 234 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 0 | 0 | 0 | 0 | 19 |
| AVG: | 5 | 0 | 0 | 0 | 2 | 0 | 17 | 31 | 5 | 0 | 0 | 0 | 60 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 27 | 0 | 0 | 0 | 35 | 34 | 80 | 113 | 87 | 0 | 0 | 0 | 251 |

Alternative 4 - Supplemental Water to Meet Delta Outflow (SW(4)) (TAF)

SW(4) = SW(3) + SR(Friant) - (EX(F) IO(Fn)) + FO

Negative numbers set to zero and adjusted for surplus Delta conditions. IO(Fn) set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350 | 256 | 6 | 612 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325 | 585 | 375 | 0 | 1285 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 14 | 159 | 319 | 571 | 521 | 240 | 0 | 1824 |
| 1925 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 372 | 577 | 273 | 6 | 1234 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 754 | 812 | 418 | 0 | 2078 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 566 | 354 | 0 | 920 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 591 | 896 | 433 | 0 | 1920 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208 | 552 | 301 | 0 | 1061 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 587 | 613 | 267 | 0 | 1467 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 22 | 156 | 157 | 445 | 476 | 311 | 0 | 1566 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 500 | 246 | 0 | 789 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 485 | 337 | 0 | 973 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 85 | 492 | 512 | 262 | 0 | 1373 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 625 | 317 | 0 | 942 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 720 | 413 | 0 | 1142 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 751 | 422 | 0 | 1254 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141 | 0 | 141 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 47 | 789 | 678 | 369 | 0 | 1936 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 270 | 781 | 406 | 0 | 1458 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 | 189 | 0 | 385 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210 | 188 | 0 | 398 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 596 | 302 | 0 | 898 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 528 | 646 | 336 | 0 | 1510 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 697 | 357 | 0 | 1129 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 422 | 637 | 298 | 0 | 1358 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 516 | 780 | 366 | 0 | 1796 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 504 | 304 | 0 | 808 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 606 | 712 | 298 | 0 | 1616 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 235 | 580 | 223 | 0 | 1038 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 470 | 785 | 208 | 0 | 1463 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | 83 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 | 102 | 0 | 335 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 304 | 786 | 207 | 0 | 1329 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 553 | 726 | 359 | 0 | 1638 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 66 | 0 | 174 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 629 | 241 | 0 | 982 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 68 | 0 | 76 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 713 | 790 | 316 | 0 | 1834 |
| 1960 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 657 | 695 | 370 | 2 | 1728 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 596 | 780 | 386 | 0 | 1762 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 726 | 364 | 0 | 1231 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 376 | 166 | 0 | 542 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 444 | 764 | 379 | 0 | 1587 |
| 1965 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 404 | 52 | 0 | 457 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 666 | 755 | 308 | 0 | 1744 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 55 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 632 | 719 | 48 | 0 | 1400 |
| 1969 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 64 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 345 | 608 | 173 | 0 | 1126 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 42 | 0 | 227 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 621 | 755 | 234 | 0 | 1610 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 367 | 697 | 199 | 7 | 1270 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 68 | 0 | 152 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 69 | 0 | 243 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 737 | 547 | 57 | 0 | 1429 |
| 1977 | 5 | 0 | 0 | 0 | 190 | 34 | 311 | 118 | 516 | 410 | 133 | 0 | 1717 |
| 1978 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 370 | 219 | 0 | 630 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 628 | 617 | 168 | 0 | 1413 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145 | 119 | 0 | 264 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 741 | 709 | 256 | 0 | 1706 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 28 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 | 572 | 68 | 0 | 849 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 267 | 824 | 726 | 294 | 0 | 2111 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 592 | 249 | 0 | 841 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167 | 1015 | 744 | 420 | 0 | 2346 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 558 | 676 | 356 | 0 | 1600 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 570 | 655 | 212 | 0 | 1438 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 470 | 665 | 321 | 0 | 1487 |
| 1991 | 3 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 177 | 320 | 163 | 0 | 743 |
| 1992 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 143 | 521 | 438 | 277 | 0 | 1380 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 324 | 88 | 0 | 412 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 741 | 524 | 217 | 0 | 1481 |
| AVG: | 1 | 0 | 0 | 0 | 4 | 1 | 10 | 23 | 307 | 512 | 237 | 0 | 1095 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 41 | 0 | 0 | 0 | 190 | 34 | 311 | 319 | 1015 | 896 | 433 | 7 | 2346 |

San Joaquin Basin - Cumulative Direct Diversion, TAF

| Priority Group | Right Number | Appl Id | File Date | DSA | Last Name (Company) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|----------------|--------------|----------|-----------|-----|--|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|
| 1 | 1 | A014858B | 07/18/88 | 39 | U S BUREAU OF RECLAMATION (New Melones Lk) | | | | | | | | | | | | |
| 1 | 2 | A027586 | 11/17/82 | 49 | U S FISH & WILDLIFE SERVICE (Merced NWR) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 3 | A027546 | 09/30/82 | 49 | NEW STONE WATER DISTRICT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 4 | A026875 | 06/16/81 | 49 | MENEFEE RIVER RANCH COMPANY | 0 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| 1 | 5 | A026757 | 03/19/81 | 49 | MENEFEE HILL RANCH COMPANY | 0 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| 1 | 6 | A023031 | 04/18/68 | 49 | GRAVELY FORD WATER DISTRICT | 0 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| 1 | 7 | A022980 | 02/07/68 | 40 | PINE MOUNTAIN LAKE ASSOCIATION | 0 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| 1 | 8 | A019304 | 03/11/60 | 39 | U S BUREAU OF RECLAMATION (New Melones Lk) | | | | | | | | | | | | |
| 1 | 9 | A019149 | 12/23/59 | 39 | CALAVERAS COUNTY WATER DIST | | | | | | | | | | | | |
| 1 | 10 | A018774 | 06/08/59 | 49 | EL NIDO IRRIGATION DISTRICT | 0 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| 1 | 11 | A018733 | 05/22/59 | 45 | U S BUREAU OF RECLAMATION (Hidden Lake) | | | | | | | | | | | | |
| 1 | 12 | A018714 | 05/15/59 | 43 | U S BUREAU OF RECLAMATION (Eastman Lk) | | | | | | | | | | | | |
| 1 | 13 | A017966 | 01/29/58 | 49 | MCMULLIN RECL DISTRICT #2075 | 0 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| 1 | 14 | A016604 | 09/15/55 | 49 | GALLO CATTLE COMPANY, A PARTNERSHIP | 0 | 0 | 0.2 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.3 | 0.1 | 0 | 0 |
| 1 | 15 | A016329 | 04/21/55 | 49 | JOSEPH GALLO FARMS | 0 | 0 | 0.5 | 1.1 | 1.3 | 1.4 | 1.4 | 1.3 | 1.0 | 0.3 | 0 | 0 |
| 1 | 16 | A016186 | 12/23/54 | 41 | MERCED IRRIGATION DISTRICT | | | | | | | | | | | | |
| 1 | 17 | A016136 | 11/15/54 | 49 | MENEFEE RIVER RANCH COMPANY | 0 | 0 | 0.5 | 1.1 | 1.3 | 1.4 | 1.4 | 1.3 | 1.0 | 0.3 | 0 | 0 |
| 1 | 18 | A015628 | 12/02/53 | 49 | GALLO BEAR CREEK RANCH | 0 | 0 | 0.5 | 1.6 | 2.2 | 2.6 | 2.6 | 2.4 | 1.4 | 0.5 | 0 | 0 |
| 1 | 19 | A014858A | 06/16/52 | 39 | U S BUREAU OF RECLAMATION (New Melones Lk) | | | | | | | | | | | | |
| 1 | 20 | A014582 | 11/19/51 | 49 | CA DEPT OF FISH & GAME (Los Banos Wildlife A | 0 | 0 | 0.8 | 2.1 | 3.2 | 3.7 | 3.8 | 3.5 | 1.9 | 0.6 | 0 | 0 |
| 1 | 21 | A014127 | 01/16/51 | 40 | TURLOCK I D & MODESTO I D | | | | | | | | | | | | |
| 1 | 22 | A013628 | 03/10/50 | 49 | BROCCHINI | 0 | 0 | 0.8 | 2.1 | 3.2 | 3.7 | 3.8 | 3.5 | 1.9 | 0.6 | 0 | 0 |
| 1 | 23 | A013541 | 01/13/50 | 49 | WEAVER | 0 | 0 | 0.8 | 2.1 | 3.2 | 3.7 | 3.8 | 3.5 | 1.9 | 0.6 | 0 | 0 |
| 2 | 24 | A013175 | 06/27/49 | 49 | CHOWCHILLA WATER DISTRICT | 0 | 0 | 6.3 | 7.6 | 8.7 | 9.2 | 9.3 | 3.5 | 1.9 | 0.6 | 0 | 0 |
| 2 | 25 | A013091 | 05/13/49 | 39 | CALAVERAS COUNTY WATER DIST | | | | | | | | | | | | |
| 2 | 26 | A013093A | 05/13/49 | 39 | CALAVERAS COUNTY WATER DIST | | | | | | | | | | | | |
| 2 | 27 | A012912 | 01/25/49 | 39 | CALAVERAS COUNTY WATER DIST | | | | | | | | | | | | |
| 2 | 28 | A012910 | 01/25/49 | 39 | CALAVERAS COUNTY WATER DIST | | | | | | | | | | | | |
| 2 | 29 | A012635 | 08/06/48 | 49 | W P RODUNER CATTLE & FARMING CO | 0 | 0 | 6.4 | 7.8 | 9.1 | 9.7 | 9.8 | 4.0 | 2.0 | 0.7 | 0 | 0 |
| 2 | 30 | A012490 | 04/28/48 | 49 | OAKDALE I D & SOUTH SAN JOAQUIN I D | | | | | | | | | | | | |
| 2 | 31 | A011792B | 03/24/47 | 39 | CALAVERAS COUNTY WATER DIST | | | | | | | | | | | | |
| 2 | 32 | A011687 | 01/08/47 | 49 | U S FISH & WILDLIFE SERVICE (San Luis NWR) | 0 | 0 | 6.4 | 7.8 | 9.1 | 9.7 | 9.8 | 4.0 | 2.0 | 0.7 | 0 | 0 |
| 2 | 33 | A011688 | 01/08/47 | 49 | U S FISH & WILDLIFE SERVICE (San Luis NWR) | 0 | 0 | 6.4 | 7.8 | 9.1 | 9.7 | 9.8 | 4.0 | 2.0 | 0.7 | 0 | 0 |
| 2 | 34 | A011653 | 12/10/46 | 49 | W P RODUNER CATTLE & FARMING CO | 0 | 0 | 6.4 | 7.8 | 9.1 | 9.7 | 9.8 | 4.0 | 2.0 | 0.7 | 0 | 0 |
| 2 | 35 | A011105 | 07/13/45 | 49 | OAKDALE I D & SOUTH SAN JOAQUIN I D | | | | | | | | | | | | |
| 2 | 36 | A011047 | 05/09/45 | 49 | CHOWCHILLA WATER DISTRICT | 0 | 0 | 6.6 | 8.2 | 9.8 | 10.4 | 10.5 | 4.7 | 2.5 | 0.8 | 0 | 0 |
| 2 | 37 | A011003A | 03/09/45 | 49 | TRIANGLE T RANCH INCORPORATED | 0 | 0 | 6.6 | 8.2 | 9.8 | 10.4 | 10.5 | 4.7 | 2.5 | 0.8 | 0 | 0 |
| 2 | 38 | A010978 | 02/10/45 | 49 | OAKDALE I D & SOUTH SAN JOAQUIN I D | | | | | | | | | | | | |
| 3 | 39 | A010872 | 08/30/44 | 49 | OAKDALE I D & SOUTH SAN JOAQUIN I D | | | | | | | | | | | | |
| 3 | 40 | A010572 | 12/11/42 | 49 | MERCED IRRIGATION DISTRICT | 0 | 0 | 6.6 | 8.2 | 9.8 | 10.4 | 10.5 | 4.7 | 2.5 | 0.8 | 0 | 0 |
| 3 | 41 | A009997 | 09/06/40 | 49 | TURLOCK I D & MODESTO I D | 0 | 0 | 6.6 | 8.2 | 9.8 | 10.4 | 10.5 | 4.7 | 2.5 | 0.8 | 0 | 0 |
| 3 | 42 | A009834 | 02/21/40 | 49 | BROCCHINI | 0 | 0 | 6.6 | 8.3 | 9.9 | 10.6 | 10.7 | 4.8 | 2.5 | 0.8 | 0 | 0 |
| 3 | 43 | A009666 | 07/17/39 | 49 | OAKDALE IRRIGATION DIST | 0 | 0 | 6.6 | 8.3 | 10.0 | 10.7 | 10.8 | 4.9 | 2.6 | 0.9 | 0 | 0 |
| 3 | 44 | A008892 | 02/03/37 | 49 | OAKDALE IRRIGATION DIST | 0 | 0 | 6.6 | 8.3 | 10.2 | 10.9 | 11.1 | 5.2 | 2.7 | 0.9 | 0 | 0 |
| 3 | 45 | A008238 | 02/11/35 | 49 | EL NIDO IRRIGATION DISTRICT | 0.3 | 0.6 | 7.8 | 9.0 | 10.2 | 10.9 | 11.1 | 5.2 | 2.7 | 0.9 | 0 | 0 |
| 3 | 46 | A007012 | 07/20/31 | 49 | STEVINSON WATER DIST | 0.3 | 0.6 | 7.8 | 9.0 | 10.2 | 10.9 | 11.1 | 5.2 | 2.7 | 0.9 | 0 | 0 |
| 3 | 47 | A006963 | 05/19/31 | 49 | BROCCHINI | 0.3 | 0.6 | 7.8 | 9.1 | 10.4 | 11.2 | 11.3 | 5.4 | 2.8 | 0.9 | 0 | 0 |
| 3 | 48 | A006807 | 09/27/30 | 49 | EL NIDO IRRIGATION DISTRICT | 0.3 | 0.6 | 8.0 | 9.3 | 10.4 | 11.2 | 11.3 | 5.4 | 2.8 | 0.9 | 0 | 0 |
| 3 | 49 | A006711 | 06/25/30 | 49 | TURLOCK I D & MODESTO I D | 0.3 | 0.6 | 8.0 | 9.3 | 10.4 | 11.2 | 11.3 | 5.4 | 2.8 | 0.9 | 0 | 0 |
| 4 | 50 | A006130 | 12/04/28 | 39 | PACIFIC GAS & ELECTRIC COMPANY | | | | | | | | | | | | |
| 4 | 51 | A006114 | 11/09/28 | 49 | W P RODUNER CATTLE & FARMING CO | 0.3 | 0.6 | 8.0 | 9.3 | 10.5 | 11.2 | 11.3 | 5.4 | 2.8 | 0.9 | 0 | 0 |
| 4 | 52 | A006111 | 11/05/28 | 49 | STEVINSON WATER DIST | 0.3 | 0.6 | 8.0 | 9.3 | 10.5 | 11.2 | 11.3 | 5.4 | 2.8 | 0.9 | 0 | 0 |
| 4 | 53 | A005724 | 10/17/27 | 49 | STEVINSON WATER DIST | 0.3 | 0.6 | 8.5 | 10.3 | 12.3 | 13.8 | 14.0 | 7.6 | 3.7 | 1.2 | 0 | 0 |
| 4 | 54 | A005638 | 07/30/27 | 46 | U S BUREAU OF RECLAMATION (Friant) | | | | | | | | | | | | |
| 4 | 55 | A005648A | 07/30/27 | 49 | OAKDALE I D & SOUTH SAN JOAQUIN I D | | | | | | | | | | | | |
| 5 | 56 | A005386 | 03/21/27 | 49 | BANK OF AMERICA NT & SA | 0.3 | 0.6 | 8.7 | 10.6 | 12.9 | 14.5 | 14.9 | 8.3 | 4.0 | 1.3 | 0 | 0 |

San Joaquin Basin - Cumulative Direct Diversion, TAF

| Priority Group | Right Number | Appl Id | File Date | DSA | Last Name (Company) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|----------------|--------------|---------|-----------|-----|-------------------------------------|-----|-----|------|------|------|------|------|------|------|-----|-----|-----|
| 5 | 57 | A005316 | 12/24/26 | 49 | MCMULLIN RECL DISTRICT #2075 | 0.3 | 0.6 | 9.0 | 11.2 | 14.0 | 16.1 | 16.5 | 9.7 | 4.5 | 1.5 | 0 | 0 |
| 5 | 58 | A004460 | 02/14/25 | 49 | RIVER JUNCTION RECL DIST NO 2064 | 0.3 | 0.6 | 9.5 | 12.2 | 15.9 | 18.7 | 19.2 | 11.9 | 5.4 | 1.5 | 0 | 0 |
| 5 | 59 | A004237 | 09/26/24 | 49 | TWIN OAKS IRRIGATION COMPANY | 0.3 | 0.6 | 9.7 | 12.6 | 16.8 | 19.9 | 20.4 | 12.9 | 5.8 | 1.6 | 0 | 0 |
| 5 | 60 | A003648 | 09/24/23 | 49 | TURLOCK I D & MODESTO I D | 0.3 | 0.6 | 9.7 | 12.6 | 16.8 | 19.9 | 20.4 | 12.9 | 5.8 | 1.6 | 0 | 0 |
| 5 | 61 | A003091 | 10/19/22 | 49 | OAKDALE IRRIGATION DIST | | | | | | | | | | | | |
| 6 | 62 | A002524 | 08/29/21 | 49 | SOUTH SAN JOAQUIN IRRIGATION DIST | | | | | | | | | | | | |
| 6 | 63 | A001987 | 08/27/20 | 49 | WEST STANISLAUS IRRIGATION DIST | 0.3 | 0.6 | 12.3 | 17.8 | 26.6 | 33.3 | 34.6 | 24.5 | 10.4 | 3.2 | 0 | 0 |
| 6 | 64 | A001885 | 06/28/20 | 49 | STEVINSON WATER DIST | 0.3 | 0.6 | 12.5 | 18.2 | 27.5 | 34.5 | 35.9 | 25.6 | 10.9 | 3.3 | 0 | 0 |
| 6 | 65 | A001476 | 10/10/19 | 49 | EL SOLYO WATER DISTRICT | 0.3 | 0.6 | 12.8 | 18.9 | 28.8 | 36.3 | 37.8 | 27.1 | 11.5 | 3.5 | 0 | 0 |
| 6 | 66 | A001465 | 09/26/19 | 46 | U S BUREAU OF RECLAMATION (Friant) | | | | | | | | | | | | |
| 7 | 67 | A001233 | 04/08/19 | 40 | TURLOCK I D & MODESTO I D | | | | | | | | | | | | |
| 7 | 68 | A001224 | 03/26/19 | 49 | MERCED IRRIGATION DISTRICT | 0.3 | 0.6 | 12.8 | 18.9 | 28.8 | 36.3 | 37.8 | 27.1 | 11.5 | 3.5 | 0 | 0 |
| 7 | 69 | A001195 | 02/26/19 | 49 | CODDINGTON | 0.3 | 0.6 | 13.1 | 19.4 | 29.7 | 37.5 | 39.1 | 28.2 | 11.9 | 3.7 | 0 | 0 |
| 7 | 70 | A001081 | 09/20/18 | 49 | OAKDALE I D & SOUTH SAN JOAQUIN I D | | | | | | | | | | | | |
| 8 | 71 | A000234 | 01/19/16 | 46 | U S BUREAU OF RECLAMATION (Friant) | | | | | | | | | | | | |
| 8 | 72 | A000023 | 03/27/15 | 46 | U S BUREAU OF RECLAMATION (Friant) | | | | | | | | | | | | |

Major Central Valley Water Right Cumulative Direct Diversion by Priority Group, TAF

| Priority Group | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| 1 | 0.0 | 0.1 | 1.8 | 7.8 | 13.7 | 20.1 | 20.1 | 14.8 | 7.0 | 3.7 | 1.5 | 1.0 | 91.7 |
| 2 | 0.0 | 0.2 | 2.5 | 10.9 | 19.0 | 27.9 | 26.9 | 19.7 | 9.1 | 5.0 | 1.8 | 1.2 | 124.1 |
| 3 | 0.0 | 0.2 | 3.6 | 17.6 | 25.9 | 37.4 | 36.8 | 26.8 | 10.3 | 5.4 | 1.9 | 1.3 | 167.1 |
| 4 | 0.0 | 0.2 | 4.2 | 19.9 | 29.9 | 43.5 | 43.4 | 31.4 | 12.2 | 6.2 | 2.2 | 1.4 | 194.6 |
| 5 | 0.0 | 0.5 | 9.9 | 39.9 | 68.7 | 107.7 | 119.6 | 81.6 | 39.7 | 22.9 | 5.6 | 3.4 | 499.5 |
| 6 | 0.0 | 0.6 | 12.0 | 46.4 | 92.7 | 146.3 | 163.1 | 112.6 | 56.6 | 33.4 | 7.1 | 3.4 | 674.3 |
| 7 | 0.0 | 0.6 | 12.2 | 47.7 | 95.0 | 149.2 | 166.2 | 115.3 | 57.6 | 33.7 | 7.1 | 3.4 | 688.1 |
| 8 | 0.0 | 0.6 | 12.3 | 49.6 | 98.6 | 154.9 | 172.6 | 119.9 | 60.1 | 35.2 | 7.1 | 3.4 | 714.3 |

Major Water Right Holder Consumptive Use of Applied Water by DSA, TAF

| DSA | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| 12 | 0 | 0 | 0 | 1.0 | 1.1 | 1.4 | 0.9 | 0.7 | 0.1 | 0.1 | 0 | 0 | 5.2 |
| 15 | 0 | 0 | 0.1 | 1.7 | 2.7 | 3.6 | 4.0 | 3.2 | 1.2 | 0.4 | 0 | 0 | 16.9 |
| 49 | 0 | 0 | 5.0 | 10.5 | 16.3 | 22.2 | 21.1 | 17.2 | 6.9 | 2.0 | 0 | 0 | 101.1 |
| 59 | 0 | 0 | 0 | 0.1 | 0.3 | 0.4 | 0.4 | 0.3 | 0.2 | 0 | 0 | 0 | 1.8 |
| 65 | 0 | 0 | 0 | 0.7 | 1.3 | 1.9 | 2.2 | 1.6 | 0.6 | 0.1 | 0 | 0 | 8.5 |
| 69 | 0 | 0 | 0.1 | 9.6 | 13.8 | 17.4 | 16.9 | 12.7 | 1.5 | 0.3 | 0 | 0 | 72.4 |
| 70 | 0 | 0 | 0 | 0.2 | 0.2 | 0.8 | 0.8 | 0.2 | 0 | 0 | 0 | 0 | 2.2 |
| 55 | 0 | 0.6 | 7.1 | 25.8 | 62.9 | 107.2 | 126.4 | 83.9 | 49.6 | 32.3 | 7.1 | 3.4 | 506.3 |
| Total | 0 | 0.6 | 12.3 | 49.6 | 98.6 | 154.9 | 172.6 | 119.9 | 60.1 | 35.2 | 7.1 | 3.4 | 714.3 |

Alternative 3 - Friant Direct Diversion (TAF)

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 53 | 24 | 4 | 10 | 102 | 62 | 195 | 236 | 309 | 249 | 149 | 117 | 1510 |
| 1923 | 83 | 33 | 29 | 37 | 88 | 129 | 100 | 198 | 213 | 198 | 108 | 83 | 1299 |
| 1924 | 37 | 21 | 4 | 0 | 39 | 18 | 42 | 46 | 52 | 54 | 52 | 45 | 410 |
| 1925 | 33 | 17 | 3 | 0 | 56 | 92 | 93 | 117 | 188 | 135 | 112 | 90 | 936 |
| 1926 | 54 | 19 | 4 | 0 | 61 | 87 | 53 | 128 | 109 | 92 | 69 | 45 | 721 |
| 1927 | 58 | 28 | 3 | 6 | 84 | 191 | 200 | 238 | 266 | 159 | 140 | 126 | 1499 |
| 1928 | 72 | 25 | 1 | 2 | 76 | 122 | 120 | 135 | 113 | 69 | 66 | 37 | 838 |
| 1929 | 31 | 3 | 3 | 8 | 39 | 53 | 42 | 95 | 129 | 81 | 55 | 32 | 571 |
| 1930 | 29 | 1 | 3 | 7 | 47 | 74 | 56 | 69 | 102 | 78 | 57 | 32 | 555 |
| 1931 | 28 | 1 | 4 | 7 | 37 | 34 | 44 | 45 | 60 | 62 | 60 | 55 | 437 |
| 1932 | 36 | 18 | 3 | 2 | 71 | 134 | 200 | 237 | 267 | 183 | 150 | 114 | 1415 |
| 1933 | 50 | 16 | 3 | 0 | 52 | 97 | 78 | 99 | 150 | 108 | 89 | 32 | 774 |
| 1934 | 39 | 18 | 3 | 0 | 52 | 83 | 43 | 45 | 73 | 84 | 77 | 32 | 549 |
| 1935 | 37 | 16 | 4 | 0 | 77 | 103 | 119 | 243 | 269 | 157 | 101 | 78 | 1204 |
| 1936 | 31 | 3 | 4 | 11 | 62 | 180 | 204 | 247 | 239 | 151 | 126 | 109 | 1367 |
| 1937 | 50 | 26 | 4 | 0 | 44 | 175 | 177 | 245 | 310 | 155 | 131 | 113 | 1430 |
| 1938 | 52 | 21 | 5 | 14 | 94 | 0 | 80 | 0 | 271 | 303 | 154 | 161 | 1155 |
| 1939 | 86 | 56 | 29 | 40 | 70 | 94 | 57 | 60 | 104 | 96 | 93 | 41 | 826 |
| 1940 | 49 | 20 | 4 | 3 | 127 | 190 | 211 | 213 | 225 | 127 | 93 | 70 | 1332 |
| 1941 | 32 | 17 | 5 | 15 | 104 | 167 | 246 | 244 | 248 | 285 | 150 | 139 | 1652 |
| 1942 | 75 | 35 | 29 | 47 | 110 | 188 | 223 | 290 | 306 | 228 | 146 | 108 | 1785 |
| 1943 | 76 | 28 | 3 | 0 | 134 | 44 | 214 | 219 | 239 | 152 | 150 | 119 | 1378 |
| 1944 | 57 | 21 | 4 | 0 | 60 | 118 | 101 | 154 | 165 | 143 | 114 | 108 | 1045 |
| 1945 | 84 | 35 | 23 | 33 | 69 | 167 | 217 | 226 | 260 | 181 | 156 | 134 | 1585 |
| 1946 | 100 | 47 | 23 | 53 | 95 | 142 | 157 | 144 | 185 | 130 | 120 | 111 | 1307 |
| 1947 | 66 | 22 | 3 | 9 | 84 | 97 | 76 | 90 | 99 | 85 | 71 | 48 | 750 |
| 1948 | 30 | 2 | 4 | 10 | 47 | 44 | 55 | 162 | 209 | 110 | 88 | 81 | 842 |
| 1949 | 39 | 18 | 4 | 0 | 55 | 87 | 124 | 120 | 164 | 97 | 87 | 59 | 854 |
| 1950 | 53 | 22 | 4 | 0 | 79 | 100 | 116 | 119 | 164 | 106 | 107 | 76 | 946 |
| 1951 | 89 | 58 | 0 | 61 | 158 | 148 | 121 | 154 | 150 | 118 | 104 | 54 | 1215 |
| 1952 | 44 | 20 | 5 | 30 | 124 | 167 | 149 | 99 | 280 | 293 | 153 | 149 | 1513 |
| 1953 | 90 | 50 | 24 | 45 | 76 | 87 | 72 | 110 | 141 | 134 | 111 | 79 | 1019 |
| 1954 | 50 | 24 | 4 | 0 | 80 | 114 | 128 | 127 | 153 | 101 | 83 | 37 | 901 |
| 1955 | 40 | 18 | 4 | 5 | 77 | 88 | 52 | 125 | 168 | 106 | 84 | 64 | 831 |
| 1956 | 42 | 18 | 25 | 61 | 118 | 97 | 251 | 173 | 244 | 268 | 156 | 142 | 1595 |
| 1957 | 95 | 50 | 27 | 31 | 77 | 85 | 59 | 93 | 229 | 124 | 106 | 57 | 1033 |
| 1958 | 45 | 22 | 4 | 10 | 100 | 170 | 235 | 287 | 288 | 242 | 154 | 144 | 1701 |
| 1959 | 89 | 41 | 25 | 31 | 75 | 122 | 62 | 72 | 124 | 56 | 35 | 42 | 774 |
| 1960 | 30 | 15 | 0 | 0 | 40 | 73 | 48 | 65 | 93 | 91 | 98 | 75 | 628 |
| 1961 | 27 | 1 | 1 | 5 | 33 | 40 | 42 | 49 | 86 | 31 | 40 | 41 | 396 |
| 1962 | 12 | 8 | 0 | 7 | 33 | 152 | 209 | 166 | 259 | 172 | 138 | 112 | 1268 |
| 1963 | 63 | 25 | 4 | 0 | 57 | 108 | 107 | 236 | 260 | 243 | 155 | 150 | 1408 |
| 1964 | 57 | 20 | 0 | 13 | 49 | 68 | 52 | 72 | 135 | 99 | 110 | 79 | 754 |
| 1965 | 20 | 1 | 4 | 53 | 170 | 182 | 182 | 205 | 265 | 210 | 159 | 149 | 1600 |
| 1966 | 85 | 35 | 19 | 60 | 92 | 116 | 81 | 72 | 125 | 92 | 71 | 46 | 894 |
| 1967 | 34 | 15 | 6 | 48 | 123 | 183 | 162 | 0 | 277 | 302 | 185 | 170 | 1505 |
| 1968 | 89 | 62 | 27 | 46 | 89 | 79 | 54 | 66 | 96 | 102 | 98 | 67 | 875 |
| 1969 | 21 | 1 | 3 | 17 | 0 | 51 | 0 | 238 | 274 | 299 | 178 | 167 | 1249 |
| 1970 | 62 | 27 | 2 | 0 | 125 | 151 | 126 | 157 | 149 | 138 | 108 | 81 | 1126 |
| 1971 | 28 | 1 | 5 | 40 | 106 | 111 | 109 | 135 | 147 | 145 | 131 | 111 | 1069 |
| 1972 | 53 | 17 | 4 | 10 | 76 | 114 | 48 | 72 | 120 | 86 | 84 | 46 | 730 |
| 1973 | 49 | 25 | 4 | 8 | 100 | 187 | 205 | 256 | 268 | 152 | 115 | 90 | 1459 |
| 1974 | 44 | 23 | 1 | 57 | 123 | 190 | 206 | 276 | 308 | 166 | 152 | 108 | 1654 |
| 1975 | 54 | 20 | 4 | 2 | 65 | 131 | 185 | 277 | 269 | 138 | 113 | 105 | 1363 |
| 1976 | 55 | 27 | 0 | 0 | 49 | 55 | 45 | 35 | 57 | 49 | 68 | 52 | 492 |
| 1977 | 22 | 3 | 0 | 3 | 11 | 3 | 1 | 2 | 57 | 56 | 48 | 35 | 241 |
| 1978 | 0 | 5 | 0 | 5 | 115 | 21 | 0 | 163 | 277 | 308 | 194 | 170 | 1258 |
| 1979 | 100 | 68 | 25 | 59 | 146 | 176 | 226 | 261 | 255 | 133 | 131 | 77 | 1657 |
| 1980 | 51 | 24 | 1 | 0 | 76 | 95 | 200 | 164 | 290 | 317 | 184 | 130 | 1532 |
| 1981 | 70 | 35 | 28 | 30 | 79 | 83 | 90 | 114 | 105 | 92 | 89 | 48 | 863 |
| 1982 | 41 | 18 | 5 | 40 | 131 | 161 | 0 | 249 | 304 | 335 | 201 | 177 | 1662 |
| 1983 | 98 | 55 | 9 | 43 | 0 | 0 | 0 | 2 | 223 | 326 | 249 | 172 | 1177 |
| 1984 | 2 | 41 | 6 | 23 | 146 | 161 | 172 | 183 | 187 | 153 | 138 | 110 | 1322 |
| 1985 | 77 | 28 | 4 | 1 | 92 | 100 | 90 | 107 | 99 | 68 | 73 | 89 | 828 |
| 1986 | 55 | 27 | 3 | 18 | 30 | 93 | 149 | 236 | 299 | 245 | 126 | 96 | 1377 |
| 1987 | 81 | 34 | 28 | 27 | 54 | 37 | 47 | 46 | 90 | 94 | 103 | 32 | 673 |
| 1988 | 27 | 1 | 2 | 6 | 50 | 51 | 45 | 64 | 89 | 91 | 61 | 41 | 528 |
| 1989 | 26 | 1 | 1 | 4 | 38 | 89 | 61 | 57 | 105 | 96 | 103 | 32 | 613 |
| 1990 | 31 | 15 | 2 | 0 | 36 | 58 | 46 | 47 | 52 | 112 | 63 | 33 | 495 |
| 1991 | 19 | 2 | 0 | 4 | 12 | 108 | 69 | 101 | 143 | 148 | 83 | 38 | 727 |
| 1992 | 23 | 1 | 0 | 4 | 29 | 52 | 45 | 46 | 24 | 45 | 36 | 25 | 330 |
| 1993 | 41 | 1 | 0 | 0 | 143 | 178 | 256 | 280 | 262 | 297 | 123 | 132 | 1713 |
| 1994 | 87 | 38 | 28 | 29 | 48 | 39 | 48 | 61 | 104 | 96 | 94 | 57 | 729 |
| AVG: | 51 | 22 | 8 | 17 | 76 | 105 | 112 | 141 | 184 | 151 | 112 | 86 | 1065 |
| MIN: | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 31 | 35 | 25 | 241 |
| MAX: | 100 | 68 | 29 | 61 | 170 | 191 | 256 | 290 | 310 | 335 | 249 | 177 | 1785 |

Annual CVP Deliveries To Sacramento Valley Contractors, af

| Contractor | Contract | DSA | Status | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 7 Year Average |
|--|-----------------|------------|---------------|------------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Alexander, Tom | 7754A | 10 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 22 | 6 |
| Corning Water District | 6575 | 10 | WS | 21,199 | 20,002 | 27,355 | 26,389 | 23,563 | 24,872 | 26,128 | 22,142 | 24,521 |
| Freeman, Frank | 2212A | 10 | WRX | 16 | 16 | 16 | 0 | 16 | 16 | 16 | 16 | 14 |
| Kirkwood Water District | W0056 | 10 | WS | 251 | 435 | 471 | 373 | 529 | 514 | 676 | 654 | 495 |
| McLane, Robert | 4446A | 10 | WRX | 47 | 31 | 40 | 43 | 43 | 43 | 47 | 47 | 44 |
| Nature Conservancy | 3774A | 10 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 6 |
| Penner, Roger | 0960A | 10 | WRX | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Proberta Water District | 7311 | 10 | WS | 4,759 | 6,138 | 6,312 | 5,685 | 5,453 | 5,122 | 6,583 | 5,498 | 5,630 |
| Ramos, Mildred | 2368A | 10 | WRX | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Thomes Creek Water District | 5271A | 10 | WS | 6,956 | 3,552 | 6,273 | 8,292 | 8,227 | 8,445 | 7,708 | 5,167 | 7,295 |
| Total DSA 10 | | | | 33,424 | 30,370 | 40,663 | 40,978 | 38,027 | 39,208 | 41,376 | 33,783 | 38,208 |
| 4-M Water District (from Colusa Co.) | W0183 | 12 | WS | 3,021 | 2,481 | 3,510 | 3,273 | 2,136 | 2,572 | 2,578 | 2,609 | 2,814 |
| Colusa County Water District | 0304A | 12 | WS | 21,974 | 19,135 | 31,904 | 37,945 | 42,325 | 61,582 | 61,169 | 53,927 | 44,404 |
| Colusa Co. Water Dist (from Colusa Co.) | W0220 | 12 | WS | 0 | 0 | 0 | 0 | 1,491 | 1,491 | 2,058 | 5,965 | 1,572 |
| Colusa Drain MWC | W0693 | 12 | WR | 0 | 0 | 0 | 0 | 0 | 0 | 38,707 | 48,915 | 12,517 |
| Cortina Water District (from Colusa Co.) | W0206 | 12 | WS | 1,510 | 1,046 | 1,431 | 1,733 | 1,447 | 1,954 | 1,814 | 1,628 | 1,645 |
| Davis Water District | 6001A | 12 | WS | 4,727 | 2,138 | 4,804 | 5,373 | 5,328 | 4,478 | 6,061 | 6,396 | 5,310 |
| Dunnigan Water District | 0399A | 12 | WS | 296 | 6,156 | 14,887 | 13,058 | 11,261 | 14,913 | 15,530 | 13,813 | 11,965 |
| Glen Colusa I.D. | 0855A | 12 | WR | 750,289 | 595,538 | 830,464 | 802,252 | 787,250 | 771,641 | 720,359 | 765,668 | 775,418 |
| Glenn Valley Water District | W0219 | 12 | WS | 892 | 440 | 841 | 375 | 771 | 817 | 1,261 | 1,197 | 879 |
| Glide Water District | W0040 | 12 | WS | 11,647 | 5,706 | 13,366 | 13,704 | 13,237 | 13,225 | 13,526 | 12,873 | 13,083 |
| Holthouse Water District (from Colusa Co.) | W0224 | 12 | WS | 1,441 | 1,083 | 1,937 | 2,293 | 1,829 | 2,470 | 2,510 | 1,510 | 1,999 |
| Kanawha Water District | 0466A | 12 | WS | 33,578 | 26,212 | 39,646 | 41,699 | 36,288 | 37,378 | 38,781 | 38,632 | 38,000 |
| La Grande Water District | W0022 | 12 | WS | 5,237 | 4,220 | 5,000 | 5,000 | 5,715 | 5,000 | 5,000 | 5,000 | 5,136 |
| La Grande Water Dist. (from Colusa Co.) | W0190 | 12 | WS | 2,301 | 0 | 1,388 | 1,899 | 550 | 1,293 | 1,817 | 786 | 1,433 |
| Maxwell I.D. | 6078A | 12 | WR | 4,610 | 1,813 | 2,683 | 174 | 0 | 0 | 150 | 0 | 1,088 |
| Myers-Marsh MWC (from Colusa Co.) | W0225 | 12 | WS | 209 | 49 | 304 | 684 | 652 | 414 | 365 | 440 | 438 |
| Orland-Artois Water District | 8382A | 12 | WS | 46,968 | 48,379 | 74,407 | 73,364 | 69,590 | 77,675 | 84,127 | 67,573 | 70,529 |
| Princeton-Codora-Glen I.D. | 0849A | 12 | WR | 53,879 | 37,017 | 55,033 | 61,978 | 52,257 | 56,476 | 51,942 | 53,032 | 54,942 |
| Provident I.D. | 0856A | 12 | WR | 41,928 | 39,155 | 37,928 | 48,159 | 43,996 | 32,787 | 34,058 | 34,595 | 39,064 |
| Westside Water District | 8222 | 12 | WS | 24,572 | 22,012 | 25,000 | 25,000 | 24,681 | 29,511 | 25,000 | 24,604 | 25,481 |
| Westside Water Dist. (from Colusa Co.) | W0182 | 12 | WS | 0 | 0 | 11,306 | 8,296 | 10,000 | 10,000 | 11,574 | 9,053 | 8,604 |
| Total DSA 12 | | | | 1,009,079 | 812,580 | 1,155,839 | 1,146,259 | 1,110,804 | 1,125,677 | 1,118,387 | 1,148,216 | 1,116,323 |
| A & F Boeger Corp. | 1053A | 15 | WR | 2,294 | 1,464 | 2,591 | 1,276 | 2,220 | 2,373 | 1,724 | 1,365 | 1,978 |
| Anderson, Ray | 1726A | 15 | WRX | 190 | 190 | 190 | 188 | 190 | 188 | 188 | 192 | 189 |
| Andreotti, Arthur | 1898A | 15 | WR | 2,817 | 367 | 1,115 | 1,929 | 1,541 | 2,839 | 3,065 | 1,712 | 2,145 |

Annual CVP Deliveries To Sacramento Valley Contractors, af

| Contractor | Contract | DSA | Status | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 7 Year Average |
|----------------------------|-----------------|------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|
| Baber, Jack | 1604A | 15 | WR | 2,750 | 2,227 | 3,648 | 2,382 | 1,023 | 467 | 940 | 1,721 | 1,847 |
| Beckley, Ralph | 8118A | 15 | WR | 260 | 140 | 0 | 260 | 0 | 65 | 0 | 277 | 123 |
| Broomieside Farms (Reynen) | 1286A | 15 | WR | 11,019 | 5,044 | 7,603 | 9,263 | 8,311 | 8,812 | 6,022 | 7,339 | 8,338 |
| Buchholz, Bruce | 0889A | 15 | WRX | 200 | 200 | 200 | 200 | 200 | 179 | 0 | 179 | 165 |
| Butler, Leslie | 2365A | 15 | WRX | 340 | 217 | 392 | 347 | 347 | 347 | 347 | 404 | 361 |
| Butte Creek Farms #1 | 2851A | 15 | WRX | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| Butte Creek Farms #2 | 5206A | 15 | WRX | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Butte Creek Farms #3 | 7744A | 15 | WRX | 640 | 89 | 640 | 640 | 640 | 640 | 640 | 640 | 640 |
| Cannell, Fred et al. | 5210A | 15 | WRX | 524 | 490 | 746 | 839 | 781 | 709 | 798 | 515 | 702 |
| Carter, Jane F. | 4617A | 15 | WR | 740 | 545 | 129 | 975 | 874 | 741 | 643 | 1,029 | 733 |
| Chesney, Carson | 0930A | 15 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Churkin, Michael | 7227A | 15 | WRX | 0 | 0 | 130 | 130 | 130 | 130 | 130 | 133 | 112 |
| Clauss, John | 2045A | 15 | WR | 2,094 | 1,959 | 1,747 | 1,740 | 1,643 | 2,367 | 2,033 | 1,558 | 1,883 |
| Colusa Irrigation Co. | 1086A | 15 | WRX | 405 | 202 | 213 | 303 | 468 | 720 | 367 | 535 | 430 |
| Colusa Properties, Inc. | 2042A | 15 | WR | 1,937 | 1,168 | 465 | 598 | 365 | 502 | 389 | 550 | 687 |
| Cribari, Emile | 5215A | 15 | WRX | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| Davis, Grover | 1851A | 15 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drew, Jerry | 2250A | 15 | WRX | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Driver, Gary | 8595A | 15 | WR | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Driver, John | 2398A | 15 | WRX | 16 | 16 | 16 | 16 | 16 | 0 | 0 | 16 | 11 |
| Driver, John & Clare | 1314A | 15 | WRX | 230 | 189 | 189 | 101 | 101 | 101 | 101 | 230 | 150 |
| Eggleston, Ronald | 7339A | 15 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ehrke, Allen | 8330A | 15 | WR | 311 | 0 | 311 | 345 | 311 | 276 | 345 | 311 | 316 |
| Fargo & Haggerty | W0117 | 15 | WRX | 2,607 | 864 | 3,642 | 1,701 | 2,975 | 2,836 | 2,523 | 2,617 | 2,700 |
| Fedora, Sibley | 2916A | 15 | WR | 210 | 208 | 210 | 208 | 12 | 210 | 0 | 220 | 153 |
| Fory, David | 7691A | 15 | WRX | 1,873 | 1,210 | 1,369 | 1,876 | 1,300 | 1,888 | 2,014 | 1,472 | 1,685 |
| Gillaspy, Fay | 8117A | 15 | WR | 203 | 147 | 0 | 203 | 177 | 0 | 203 | 187 | 139 |
| Giusti, Frank | 4076A | 15 | WR | 1,610 | 1,610 | 1,610 | 1,610 | 1,610 | 1,610 | 1,610 | 1,610 | 1,610 |
| Green Island Farms | W0001 | 15 | WRX | 820 | 0 | 820 | 529 | 0 | 0 | 0 | 487 | 379 |
| Griffin, Joseph | 2895A | 15 | WR | 1,995 | 1,456 | 2,631 | 1,914 | 1,886 | 1,362 | 1,895 | 1,586 | 1,896 |
| Hale & Marks | 7572A | 15 | WRX | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| Hale & Marks | 1638A | 15 | WRX | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| Henle, John | 0932A | 15 | WR | 93 | 70 | 103 | 36 | 46 | 278 | 170 | 172 | 128 |
| Hiatt, Glen | 0880A | 15 | WR | 1,450 | 1,344 | 1,864 | 1,309 | 1,411 | 1,527 | 1,639 | 620 | 1,403 |
| Hollins, Mariette | 2993A | 15 | WR | 1,527 | 1,291 | 1,578 | 1,465 | 1,496 | 1,420 | 1,422 | 1,531 | 1,491 |
| Howald Farms | 1042A | 15 | WRX | 1,507 | 1,676 | 1,634 | 1,904 | 2,004 | 2,015 | 1,615 | 1,308 | 1,712 |
| Kary, Carol | 2520A | 15 | WRX | 624 | 366 | 915 | 685 | 468 | 1,212 | 949 | 577 | 776 |
| Lamb Family Trust | 2486A | 15 | WR | 303 | 0 | 173 | 0 | 0 | 260 | 0 | 0 | 105 |

Annual CVP Deliveries To Sacramento Valley Contractors, af

| Contractor | Contract | DSA | Status | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 7 Year Average |
|-----------------------------------|-----------------|------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|
| Lockett & O.Brien | 4105A | 15 | WR | 321 | 366 | 742 | 685 | 468 | 952 | 949 | 577 | 671 |
| Locvich, Paul | 1945A | 15 | WRX | 0 | 0 | 0 | 116 | 0 | 0 | 0 | 0 | 17 |
| Lonon, Michael et al. | 8658A | 15 | WRX | 916 | 667 | 1,155 | 0 | 0 | 223 | 533 | 888 | 531 |
| Martin, Andrew | 1827A | 15 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mayfair Farms | 1976A | 15 | WRX | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 |
| McLaughlin, Jack | 2514A | 15 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meridian Farms Water Co. | 0838A | 15 | WR | 21,907 | 24,340 | 26,426 | 29,212 | 23,645 | 27,774 | 26,107 | 25,367 | 25,777 |
| Mirbach/Harff | 7556A | 15 | WRX | 68 | 0 | 134 | 0 | 0 | 0 | 0 | 0 | 29 |
| ML Farms (Wakida) | 5200A | 15 | WR | 515 | 155 | 515 | 355 | 355 | 515 | 426 | 426 | 444 |
| Munson, James | 7049A | 15 | WR | 139 | 137 | 139 | 139 | 139 | 139 | 139 | 139 | 139 |
| M&T, Inc. | 0940A | 15 | WR | 3,909 | 228 | 1,309 | 5,070 | 5,718 | 6,743 | 7,115 | 9,007 | 5,553 |
| Nelson, Thomas | 1954A | 15 | WR | 0 | 136 | 0 | 136 | 79 | 0 | 95 | 126 | 62 |
| Odysseus Farms | 1664A | 15 | WRX | 309 | 147 | 678 | 349 | 274 | 529 | 684 | 472 | 471 |
| Oji Brothers Farm | 3753A | 15 | WR | 969 | 1,402 | 1,443 | 1,695 | 1,444 | 2,478 | 1,553 | 1,468 | 1,579 |
| Oji, Masanobu | 2427A | 15 | WR | 1,415 | 1,244 | 1,263 | 1,509 | 2,172 | 1,350 | 1,112 | 274 | 1,299 |
| Olive Percy Davis Trust | 2146A | 15 | WR | 29,032 | 22,444 | 28,034 | 29,664 | 27,525 | 24,082 | 23,960 | 24,158 | 26,636 |
| Pelger Mutual Water Co. | 2073A | 15 | WR | 4,525 | 1,760 | 3,520 | 3,490 | 4,172 | 3,656 | 4,160 | 2,271 | 3,685 |
| Pires, Lawrence | 7744A | 15 | WRX | 1,200 | 649 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| Premier Farmland Partners III | 0931A | 15 | WR | 3,756 | 3,236 | 5,479 | 3,046 | 609 | 5,122 | 3,693 | 3,763 | 3,638 |
| Quad H Ranches | 2153A | 15 | WR | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 0 | 429 |
| Reclamation District #1004 | 0890A | 15 | WR | 57,078 | 47,873 | 68,605 | 71,783 | 61,467 | 58,154 | 73,307 | 56,547 | 63,849 |
| Reclamation District #108 | 0876A | 15 | WR | 174,836 | 93,855 | 144,557 | 138,512 | 124,479 | 135,408 | 126,842 | 110,056 | 136,384 |
| Reische, Laverne | 1150A | 15 | WRX | 483 | 483 | 520 | 462 | 493 | 509 | 520 | 520 | 501 |
| Ritchey, Addie | 1426A | 15 | WR | 171 | 171 | 170 | 0 | 0 | 156 | 181 | 0 | 97 |
| River Garden Farms Co. | 0878A | 15 | WR | 18,398 | 6,307 | 17,696 | 24,477 | 19,192 | 21,650 | 13,168 | 17,716 | 18,900 |
| Roberts Ditch Irrigation Co. | 0935A | 15 | WRX | 2,838 | 1,096 | 2,261 | 2,065 | 1,579 | 2,237 | 2,000 | 2,221 | 2,172 |
| Sartain Mutual Water Co. | 2401A | 15 | WR | 3,659 | 348 | 4,524 | 4,554 | 2,440 | 3,047 | 4,054 | 2,914 | 3,599 |
| Seaver, Charles | 3296A | 15 | WR | 131 | 138 | 0 | 63 | 0 | 131 | 66 | 66 | 65 |
| Spence, Ruth | 4829A | 15 | WR | 254 | 215 | 378 | 308 | 561 | 359 | 373 | 549 | 397 |
| Stegeman Station Ranch, Inc. | 5211A | 15 | WRX | 0 | 0 | 0 | 0 | 0 | 636 | 274 | 655 | 224 |
| Steidlmayer, Francis | 0874A | 15 | WRX | 616 | 0 | 1,224 | 608 | 608 | 608 | 1,248 | 1,248 | 880 |
| Sutter Mutual Water Co. | 0815A | 15 | WR | 236,747 | 150,333 | 209,727 | 204,854 | 200,171 | 197,985 | 189,366 | 198,790 | 205,377 |
| Swinford Tract Irrigation Co. | 2145A | 15 | WRX | 225 | 61 | 177 | 180 | 129 | 156 | 193 | 195 | 179 |
| Tarke, James (Hulbert & Tarke) | 1949A | 15 | WR | 1,263 | 1,227 | 1,372 | 1,618 | 1,191 | 1,258 | 416 | 1,104 | 1,175 |
| Thompson, Meryle | 7206A | 15 | WRX | 180 | 0 | 180 | 180 | 180 | 0 | 180 | 102 | 143 |
| Tisdale Irrigation & Drainage Co. | 2781A | 15 | WR | 7,507 | 7,018 | 8,640 | 5,434 | 6,053 | 9,163 | 8,612 | 7,803 | 7,602 |
| Tuttle, Charles | 7296A | 15 | WR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wakida, Masaru | 1415A | 15 | WRX | 325 | 325 | 325 | 246 | 0 | 287 | 325 | 325 | 262 |

Annual CVP Deliveries To Sacramento Valley Contractors, af

| Contractor | Contract | DSA | Status | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 7 Year Average |
|------------------------------------|-----------------|------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|
| Wells, Joyce | 2896A | 15 | WRX | 1,188 | 790 | 991 | 1,060 | 1,082 | 1,209 | 967 | 1,022 | 1,074 |
| Westfall, Ralph | 3591A | 15 | WRX | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| Young, Russell | 2552A | 15 | WRX | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 10 | 7 |
| Total DSA 15 | | | | 617,828 | 393,231 | 571,589 | 569,373 | 521,302 | 545,111 | 526,911 | 503,893 | 550,858 |
| Anderson Cottonwood I.D. | 3346A | 58 | WR | 146,035 | 135,919 | 152,872 | 151,435 | 139,539 | 158,825 | 144,943 | 121,033 | 144,955 |
| Bella Vista Water District | 0851A | 58 | WS | 6,065 | 5,840 | 6,775 | 7,896 | 14,555 | 14,342 | 13,754 | 9,289 | 10,382 |
| City of Redding | 2871A | 58 | WR | 7,712 | 6,383 | 9,831 | 11,465 | 9,616 | 13,337 | 12,144 | 10,942 | 10,721 |
| City of Redding (Buckeye) | 5272A | 58 | WS | 1,423 | 1,429 | 1,609 | 1,321 | 1,901 | 2,245 | 2,167 | 2,017 | 1,812 |
| City of Shasta Lake | 2X | 58 | WS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear Creek CSD | 0489A | 58 | WS | 6,065 | 5,840 | 6,775 | 7,896 | 7,850 | 9,637 | 8,289 | 9,409 | 7,989 |
| Daniel, Harry | 4348A | 58 | WR | 11 | 15 | 15 | 20 | 0 | 0 | 0 | 0 | 7 |
| Diamond Lands, Corp. | 8106A | 58 | WRX | 425 | 425 | 425 | 425 | 425 | 425 | 425 | 425 | 425 |
| Driscoll Strawberries, Inc. | 4736A | 58 | WRX | 820 | 820 | 820 | 820 | 820 | 820 | 820 | 820 | 820 |
| Gjermann, Hal | 4010A | 58 | WRX | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| High-Low Nursery | W0006 | 58 | WRX | 113 | 113 | 156 | 170 | 0 | 0 | 113 | 125 | 97 |
| J.B. Unlimited, Inc. | 2519A | 58 | WRX | 0 | 0 | 0 | 408 | 0 | 0 | 0 | 0 | 58 |
| Keswick CSD (CSA #25) | 1307A | 58 | WS | 55 | 62 | 74 | 91 | 140 | 156 | 129 | 114 | 108 |
| Lake Calif. Property Owners Assoc. | 4961A | 58 | WR | 790 | 790 | 790 | 790 | 790 | 790 | 790 | 790 | 790 |
| Leviathan, Inc. | 7308A | 58 | WRX | 0 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 600 |
| Micke, Daniel | 7995A | 58 | WRX | 100 | 103 | 103 | 103 | 103 | 0 | 0 | 0 | 58 |
| Mountain Gate CSD | 6998A | 58 | WS | 286 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 341 |
| Riverview Golf & Country Club | 8286A | 58 | WRX | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 |
| Shasta County Water Agency | 3367A | 58 | WS | 125 | 143 | 201 | 277 | 269 | 606 | 620 | 598 | 385 |
| Shasta CSD | 0862A | 58 | WS | 446 | 480 | 542 | 575 | 602 | 688 | 658 | 585 | 585 |
| Shasta Dam Area PUD | 4X | 58 | WS | 1,516 | 1,543 | 1,601 | 1,515 | 1,573 | 1,840 | 1,432 | 1,964 | 1,634 |
| Total DSA 58 | | | | 172,279 | 161,247 | 183,931 | 186,549 | 179,525 | 205,053 | 187,626 | 159,453 | 182,059 |
| Amen, Henry | 1779A | 65 | WRX | 660 | 188 | 660 | 304 | 0 | 415 | 660 | 660 | 480 |
| City of West Sacramento | W0187 | 65 | WR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,521 | 503 |
| Conaway Conservancy | 7422A | 65 | WR | 25,031 | 11,013 | 26,181 | 29,168 | 18,917 | 37,409 | 33,236 | 36,426 | 29,481 |
| Deseret Farms (LDS Church) | 2149A | 65 | WR | 796 | 538 | 1,498 | 1,224 | 1,931 | 699 | 787 | 777 | 1,102 |
| Driver, Clare et al. | 0939A | 65 | WRX | 176 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 179 |
| Giovannetti, B.E. | 0991A | 65 | WRX | 0 | 520 | 0 | 520 | 434 | 520 | 520 | 520 | 359 |
| Hershey Land Co. | 7972A | 65 | WR | 1,417 | 706 | 541 | 1,067 | 678 | 1,536 | 1,098 | 1,680 | 1,145 |
| Kaiser Development Co. | 4217A | 65 | WRX | 526 | 526 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| Knaggs, Layton | 2148A | 65 | WR | 96 | 209 | 513 | 623 | 758 | 793 | 76 | 103 | 423 |
| Riverby, Ltd. | 0934A | 65 | WRX | 500 | 500 | 102 | 365 | 271 | 0 | 452 | 466 | 308 |

Annual CVP Deliveries To Sacramento Valley Contractors, af

| Contractor | Contract | DSA | Status | | | | | | | | | | 7 Year |
|-----------------------------------|----------|-----|--------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|--------|
| | | | | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | Average | |
| Russell, Della | 8322A | 65 | WR | 430 | 106 | 430 | 278 | 337 | 127 | 198 | 192 | 285 | |
| Russell, Della | 1616A | 65 | WRX | 120 | 0 | 120 | 0 | 103 | 103 | 0 | 103 | 78 | |
| Wallace Construction, Inc. | 4604A | 65 | WR | 675 | 292 | 2,207 | 974 | 2,208 | 687 | 198 | 1,123 | 1,153 | |
| Williams Co., G.W. | 2973A | 65 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Wilson Ranch Partnership | 4520A | 65 | WR | 330 | 412 | 675 | 624 | 428 | 0 | 0 | 0 | 294 | |
| Wilson, Neil | 0906A | 65 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total DSA 65 | | | | 30,757 | 15,190 | 33,107 | 35,327 | 26,245 | 42,469 | 37,405 | 45,751 | 35,866 | |
| Feather Water District | 0171A | 69 | WS | 18,629 | 13,824 | 21,111 | 15,396 | 18,677 | 21,851 | 19,408 | 18,252 | 19,046 | |
| Jaeger, William | W0002 | 69 | WRX | 777 | 366 | 574 | 504 | 504 | 504 | 574 | 574 | 573 | |
| Morehead, Joseph | 5789A | 69 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total DSA 69 | | | | 19,406 | 14,190 | 21,685 | 15,900 | 19,181 | 22,355 | 19,982 | 18,826 | 19,619 | |
| Chilton, Barbara | 2065A | 70 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| County of Sacramento | 2404A | 70 | WR | 750 | 435 | 750 | 750 | 750 | 750 | 714 | 660 | 732 | |
| ELH Sutter Properties | 1364A | 70 | WRX | 127 | 127 | 127 | 317 | 317 | 317 | 381 | 444 | 290 | |
| Furlan, Antonio | 1595A | 70 | WR | 427 | 159 | 0 | 263 | 189 | 376 | 269 | 0 | 218 | |
| Furlan, Emile | 1175A | 70 | WR | 920 | 660 | 354 | 920 | 920 | 283 | 585 | 778 | 680 | |
| Heidrick Family Trust | 1176A | 70 | WR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Lauppe, Burton | 1289A | 70 | WRX | 432 | 468 | 468 | 540 | 540 | 360 | 360 | 540 | 463 | |
| Leal, Robert | 8574A | 70 | WRX | 625 | 630 | 0 | 630 | 630 | 630 | 0 | 630 | 449 | |
| Leiser, Wayne | 4178A | 70 | WR | 0 | 60 | 0 | 0 | 0 | 0 | 68 | 68 | 19 | |
| MCM Properties | 7827A | 70 | WR | 1,035 | 507 | 916 | 318 | 0 | 1,008 | 234 | 439 | 564 | |
| Natomas Central Mutual Water Co. | 0885A | 70 | WR | 105,202 | 63,573 | 107,048 | 90,583 | 76,938 | 81,171 | 84,717 | 79,974 | 89,376 | |
| Pleasant Grove-Verona MWC | 5520A | 70 | WRX | 15,781 | 9,510 | 13,230 | 12,387 | 12,878 | 14,056 | 15,866 | 15,106 | 14,186 | |
| Richter Brothers | 4362A | 70 | WR | 2,384 | 2,218 | 2,608 | 1,903 | 2,241 | 2,608 | 2,575 | 2,608 | 2,418 | |
| Univ. of CA (Natomas Central MWC) | 7941A | 70 | WR | 556 | 163 | 486 | 724 | 508 | 410 | 408 | 400 | 499 | |
| Verona Farming Co. | W0054 | 70 | WRX | 265 | 300 | 138 | 300 | 277 | 277 | 157 | 14 | 204 | |
| Willey, Edwin | 3556A | 70 | WRX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total DSA 70 | | | | 128,504 | 78,810 | 126,125 | 109,635 | 96,188 | 102,246 | 106,334 | 101,661 | 110,099 | |

Sacramento River Basin Totals

2,011,277 1,505,618 2,132,939 2,104,021 1,991,272 2,082,119 2,038,021 2,011,583 2,053,033

Sacramento Valley Inbasin Obligations, TAF (without deficiencies)

| Priority Group | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|--|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|---------|
| Sacramento River (USBR) | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.5 | 70.8 | 0.0 | 0.0 | 0.0 | 0.0 | 143.2 |
| 4 | 9.5 | 7.5 | 6.9 | 29.5 | 59.9 | 69.0 | 75.5 | 73.2 | 53.8 | 40.8 | 23.9 | 11.6 | 461.2 |
| 5 | 9.5 | 7.5 | 6.9 | 30.7 | 61.9 | 71.0 | 77.6 | 74.9 | 54.9 | 41.2 | 23.9 | 11.6 | 471.7 |
| 6 | 9.5 | 7.5 | 6.9 | 33.9 | 66.8 | 76.1 | 82.8 | 79.0 | 57.6 | 42.4 | 23.9 | 11.6 | 498.0 |
| 7 | 9.5 | 7.5 | 6.9 | 46.9 | 87.3 | 96.9 | 104.2 | 96.1 | 68.7 | 47.1 | 23.9 | 11.6 | 606.5 |
| 8 | 9.5 | 7.5 | 6.9 | 99.2 | 169.2 | 180.4 | 190.2 | 164.6 | 113.2 | 65.9 | 23.9 | 11.6 | 1,042.1 |
| 9 | 9.5 | 7.5 | 6.9 | 185.3 | 304.3 | 318.2 | 332.0 | 277.6 | 186.7 | 96.9 | 23.9 | 11.6 | 1,760.4 |
| Feather River (DWR) | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.0 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.7 |
| 2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.0 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.7 |
| 3 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.0 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.7 |
| 4 | 0.0 | 0.0 | 0.2 | 0.3 | 0.5 | 1.0 | 0.9 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 4.1 |
| 5 | 0.0 | 0.0 | 0.2 | 0.3 | 0.5 | 1.0 | 0.9 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 4.1 |
| 6 | 0.1 | 0.0 | 0.5 | 0.8 | 3.4 | 3.6 | 3.5 | 2.9 | 1.2 | 0.2 | 0.2 | 0.1 | 16.6 |
| 7 | 0.1 | 0.0 | 0.5 | 0.8 | 3.4 | 3.6 | 3.5 | 2.9 | 1.2 | 0.2 | 0.2 | 0.1 | 16.6 |
| 8 | 0.1 | 0.0 | 0.6 | 1.2 | 4.7 | 5.1 | 5.3 | 4.0 | 2.0 | 0.3 | 0.3 | 0.1 | 23.9 |
| 9 | 1.4 | 0.0 | 5.9 | 36.1 | 128.9 | 124.4 | 137.0 | 119.9 | 43.7 | 29.6 | 16.5 | 9.2 | 652.7 |
| American River (USBR) | | | | | | | | | | | | | |
| 1 | 0.7 | 0.7 | 0.8 | 1.2 | 1.8 | 2.3 | 2.8 | 2.7 | 2.2 | 1.6 | 1.0 | 0.8 | 18.7 |
| 2 | 2.9 | 2.7 | 3.3 | 4.7 | 7.0 | 8.8 | 10.6 | 10.3 | 8.3 | 6.3 | 3.9 | 3.1 | 71.9 |
| 3 | 2.9 | 2.7 | 3.3 | 4.7 | 7.0 | 8.8 | 10.6 | 10.3 | 8.3 | 6.3 | 3.9 | 3.1 | 71.9 |
| 4 | 2.9 | 2.7 | 3.3 | 4.7 | 7.0 | 8.8 | 10.6 | 10.3 | 8.3 | 6.3 | 3.9 | 3.1 | 71.9 |
| 5 | 2.9 | 2.7 | 3.3 | 4.7 | 7.0 | 8.8 | 10.6 | 10.3 | 8.3 | 6.3 | 3.9 | 3.1 | 71.9 |
| 6 | 4.0 | 3.8 | 4.6 | 6.7 | 9.9 | 12.4 | 15.0 | 14.6 | 11.8 | 8.9 | 5.5 | 4.3 | 101.5 |
| 7 | 4.0 | 3.8 | 4.6 | 6.7 | 9.9 | 12.4 | 15.0 | 14.6 | 11.8 | 8.9 | 5.5 | 4.3 | 101.5 |
| 8 | 4.0 | 3.8 | 4.6 | 6.7 | 9.9 | 12.4 | 15.0 | 14.6 | 11.8 | 8.9 | 5.5 | 4.3 | 101.5 |
| 9 | 5.7 | 5.4 | 6.6 | 9.5 | 14.1 | 17.7 | 21.4 | 20.8 | 16.8 | 12.7 | 7.8 | 6.2 | 144.7 |
| Total Sacramento Valley Project Inbasin Obligations | | | | | | | | | | | | | |
| 1 | 0.7 | 0.7 | 1.0 | 1.5 | 2.3 | 3.3 | 3.6 | 3.2 | 2.5 | 1.6 | 1.0 | 0.8 | 22.4 |
| 2 | 2.9 | 2.7 | 3.4 | 5.0 | 7.5 | 9.8 | 11.5 | 10.9 | 8.7 | 6.3 | 3.9 | 3.1 | 75.6 |
| 3 | 2.9 | 2.7 | 3.4 | 5.0 | 7.5 | 9.8 | 83.9 | 81.7 | 8.7 | 6.3 | 3.9 | 3.1 | 218.8 |
| 4 | 12.3 | 10.2 | 10.4 | 34.5 | 67.4 | 78.8 | 87.1 | 84.2 | 62.5 | 47.1 | 27.8 | 14.7 | 537.1 |
| 5 | 12.3 | 10.2 | 10.4 | 35.8 | 69.4 | 80.9 | 89.2 | 85.8 | 63.6 | 47.6 | 27.8 | 14.7 | 547.7 |
| 6 | 13.6 | 11.4 | 12.0 | 41.4 | 80.1 | 92.1 | 101.3 | 96.5 | 70.5 | 51.5 | 29.5 | 16.1 | 616.0 |
| 7 | 13.6 | 11.4 | 12.0 | 54.4 | 100.5 | 112.9 | 122.7 | 113.6 | 81.6 | 56.2 | 29.5 | 16.1 | 724.5 |
| 8 | 13.6 | 11.4 | 12.1 | 107.0 | 183.8 | 198.0 | 210.5 | 183.2 | 127.0 | 75.0 | 29.6 | 16.1 | 1,167.5 |
| 9 | 16.6 | 13.0 | 19.3 | 231.0 | 447.2 | 460.3 | 490.3 | 418.3 | 247.2 | 139.2 | 48.2 | 27.1 | 2,557.8 |

Sacramento Valley Inbasin Obligations, TAF (with deficiencies imposed)

| Priority Group | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|---|------|-----|------|-------|-------|-------|-------|-------|-------|-------|------|------|---------|
| Sacramento 25% base/50% project + Feather 25% base | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.2 |
| 2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.2 |
| 3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 60.0 | 54.2 | 0.3 | 0.0 | 0.0 | 0.0 | 116.0 |
| 4 | 4.2 | 3.7 | 3.0 | 25.9 | 48.3 | 58.9 | 62.3 | 56.2 | 31.1 | 23.6 | 14.2 | 8.1 | 339.6 |
| 5 | 4.2 | 3.7 | 3.0 | 27.0 | 50.2 | 61.0 | 64.4 | 57.8 | 32.2 | 23.8 | 14.2 | 8.1 | 349.8 |
| 6 | 4.3 | 3.7 | 3.2 | 30.3 | 58.0 | 68.6 | 71.9 | 64.0 | 35.0 | 24.2 | 14.3 | 8.2 | 385.6 |
| 7 | 4.3 | 3.7 | 3.2 | 43.3 | 78.4 | 89.3 | 88.1 | 75.2 | 46.1 | 26.6 | 14.3 | 8.2 | 480.8 |
| 8 | 4.3 | 3.7 | 3.3 | 94.5 | 161.6 | 174.4 | 168.7 | 137.4 | 90.7 | 37.0 | 14.4 | 8.2 | 898.3 |
| 9 | 5.2 | 3.7 | 7.5 | 211.6 | 411.8 | 430.8 | 441.1 | 366.1 | 188.6 | 97.4 | 26.8 | 16.7 | 2,207.4 |
| Sacramento 0% base/50% project + Feather 0% base | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.0 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.7 |
| 2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.0 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.7 |
| 3 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.0 | 60.5 | 53.4 | 0.3 | 0.0 | 0.0 | 0.0 | 116.1 |
| 4 | 4.2 | 3.7 | 3.0 | 26.5 | 48.7 | 59.6 | 63.2 | 55.6 | 31.5 | 23.6 | 14.2 | 8.1 | 342.0 |
| 5 | 4.2 | 3.7 | 3.0 | 27.7 | 50.7 | 61.7 | 65.3 | 57.2 | 32.6 | 24.0 | 14.2 | 8.1 | 352.3 |
| 6 | 4.3 | 3.7 | 3.2 | 31.1 | 58.4 | 69.3 | 72.9 | 63.4 | 35.8 | 24.3 | 14.3 | 8.2 | 388.9 |
| 7 | 4.3 | 3.7 | 3.2 | 44.1 | 78.8 | 90.1 | 92.4 | 78.1 | 46.9 | 27.3 | 14.3 | 8.2 | 491.5 |
| 8 | 4.3 | 3.7 | 3.3 | 96.6 | 162.1 | 175.1 | 178.3 | 143.0 | 92.3 | 39.9 | 14.4 | 8.2 | 921.4 |
| 9 | 5.6 | 3.7 | 8.6 | 217.7 | 421.3 | 432.2 | 451.8 | 371.8 | 207.4 | 100.3 | 30.7 | 17.3 | 2,268.5 |
| Sacramento 25% base/50% project + Feather 50% base | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.5 | 0.6 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 2.5 |
| 2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.5 | 0.6 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 2.5 |
| 3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.5 | 59.7 | 54.1 | 0.2 | 0.0 | 0.0 | 0.0 | 115.2 |
| 4 | 4.2 | 3.7 | 3.0 | 25.9 | 48.3 | 58.7 | 62.0 | 56.1 | 31.1 | 23.6 | 14.2 | 8.1 | 338.9 |
| 5 | 4.2 | 3.7 | 3.0 | 27.0 | 50.2 | 60.7 | 64.1 | 57.7 | 32.1 | 23.8 | 14.2 | 8.1 | 349.0 |
| 6 | 4.3 | 3.7 | 3.1 | 30.3 | 57.4 | 67.9 | 71.5 | 63.8 | 34.8 | 24.2 | 14.3 | 8.2 | 383.4 |
| 7 | 4.3 | 3.7 | 3.1 | 43.2 | 77.3 | 89.1 | 87.1 | 74.5 | 45.7 | 26.6 | 14.3 | 8.2 | 477.2 |
| 8 | 4.3 | 3.7 | 3.2 | 94.5 | 161.0 | 173.8 | 168.3 | 137.1 | 90.4 | 37.0 | 14.4 | 8.2 | 895.9 |
| 9 | 5.1 | 3.7 | 6.0 | 203.0 | 386.2 | 406.6 | 415.5 | 341.5 | 177.9 | 92.1 | 25.8 | 15.7 | 2,079.1 |
| Sacramento 0% base/0% project + Feather 25% base | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.2 |
| 2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.2 |
| 3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 73.3 | 71.3 | 0.3 | 0.0 | 0.0 | 0.0 | 146.5 |
| 4 | 9.5 | 7.5 | 7.0 | 29.7 | 60.5 | 69.8 | 76.5 | 73.8 | 54.1 | 40.8 | 23.9 | 11.7 | 464.8 |
| 5 | 9.5 | 7.5 | 7.0 | 31.0 | 62.4 | 71.8 | 78.6 | 75.5 | 55.1 | 41.3 | 23.9 | 11.7 | 475.3 |
| 6 | 9.5 | 7.5 | 7.2 | 34.7 | 70.2 | 79.5 | 86.3 | 82.0 | 58.7 | 42.6 | 24.0 | 11.8 | 513.9 |
| 7 | 9.5 | 7.5 | 7.1 | 47.7 | 90.7 | 100.2 | 107.7 | 99.0 | 69.8 | 47.3 | 24.0 | 11.8 | 622.4 |
| 8 | 9.6 | 7.5 | 7.3 | 100.3 | 173.9 | 185.3 | 195.5 | 168.7 | 115.2 | 66.1 | 24.2 | 11.8 | 1,065.3 |
| 9 | 10.4 | 7.5 | 11.5 | 217.5 | 433.1 | 442.4 | 469.0 | 397.5 | 226.4 | 126.6 | 36.5 | 20.3 | 2,398.6 |
| Sacramento 0% base/50% project + Feather 25% base | | | | | | | | | | | | | |
| 1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.2 |
| 2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 3.2 |
| 3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 60.5 | 53.4 | 0.3 | 0.0 | 0.0 | 0.0 | 115.6 |
| 4 | 4.2 | 3.7 | 2.9 | 26.5 | 48.7 | 59.4 | 63.2 | 55.6 | 31.4 | 23.6 | 14.2 | 8.1 | 341.5 |
| 5 | 4.2 | 3.7 | 2.9 | 27.7 | 50.7 | 61.4 | 65.3 | 57.2 | 32.5 | 24.0 | 14.2 | 8.1 | 351.8 |
| 6 | 4.3 | 3.7 | 3.0 | 31.1 | 58.4 | 69.0 | 72.8 | 63.4 | 35.7 | 24.3 | 14.3 | 8.2 | 388.3 |
| 7 | 4.3 | 3.7 | 3.0 | 44.1 | 78.8 | 89.8 | 92.4 | 78.1 | 46.8 | 27.3 | 14.3 | 8.2 | 490.8 |
| 8 | 4.3 | 3.7 | 3.1 | 96.6 | 162.1 | 174.9 | 178.3 | 143.0 | 92.2 | 39.9 | 14.4 | 8.2 | 920.7 |
| 9 | 5.2 | 3.7 | 7.3 | 213.7 | 421.3 | 432.0 | 451.8 | 371.8 | 203.4 | 100.3 | 26.8 | 16.7 | 2,254.0 |

Alternative 4 - USBR San Joaquin Inbasin Obligation - Group 8 (IO(F8)) (TAF)

Total Madera Canal Depletions + FKC Inbasin Deliveries

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 8 | 2 | 0 | 1 | 8 | 23 | 69 | 71 | 96 | 101 | 81 | 56 | 516 |
| 1923 | 18 | 2 | 3 | 4 | 8 | 54 | 19 | 43 | 68 | 76 | 73 | 23 | 391 |
| 1924 | 4 | 2 | 0 | 0 | 5 | 13 | 4 | 3 | 27 | 44 | 16 | 7 | 125 |
| 1925 | 4 | 1 | 0 | 0 | 4 | 45 | 17 | 25 | 61 | 61 | 39 | 26 | 284 |
| 1926 | 6 | 1 | 0 | 0 | 5 | 43 | 8 | 28 | 63 | 72 | 29 | 7 | 262 |
| 1927 | 9 | 2 | 0 | 1 | 6 | 57 | 47 | 50 | 79 | 99 | 80 | 43 | 473 |
| 1928 | 10 | 2 | 0 | 0 | 6 | 41 | 24 | 30 | 65 | 63 | 19 | 6 | 266 |
| 1929 | 4 | 0 | 0 | 1 | 4 | 24 | 4 | 20 | 43 | 44 | 41 | 5 | 190 |
| 1930 | 3 | 0 | 0 | 1 | 4 | 30 | 8 | 12 | 47 | 46 | 28 | 5 | 185 |
| 1931 | 3 | 0 | 0 | 1 | 4 | 21 | 4 | 3 | 31 | 47 | 19 | 12 | 145 |
| 1932 | 4 | 1 | 0 | 0 | 5 | 43 | 52 | 50 | 84 | 96 | 59 | 43 | 439 |
| 1933 | 6 | 1 | 0 | 0 | 5 | 41 | 13 | 21 | 53 | 43 | 52 | 9 | 244 |
| 1934 | 5 | 1 | 0 | 0 | 5 | 35 | 4 | 3 | 33 | 57 | 33 | 5 | 180 |
| 1935 | 5 | 1 | 0 | 0 | 7 | 54 | 23 | 51 | 86 | 101 | 79 | 23 | 431 |
| 1936 | 4 | 0 | 0 | 1 | 5 | 48 | 37 | 71 | 96 | 100 | 69 | 31 | 461 |
| 1937 | 7 | 2 | 0 | 0 | 3 | 37 | 43 | 78 | 94 | 102 | 79 | 42 | 487 |
| 1938 | 6 | 2 | 1 | 1 | 7 | 9 | 66 | 47 | 92 | 78 | 94 | 56 | 458 |
| 1939 | 17 | 4 | 3 | 4 | 7 | 37 | 10 | 9 | 54 | 69 | 45 | 6 | 266 |
| 1940 | 8 | 1 | 0 | 0 | 9 | 52 | 54 | 45 | 76 | 88 | 55 | 20 | 411 |
| 1941 | 4 | 1 | 1 | 1 | 8 | 34 | 66 | 61 | 91 | 101 | 79 | 58 | 503 |
| 1942 | 17 | 3 | 3 | 5 | 9 | 50 | 53 | 75 | 86 | 101 | 81 | 56 | 538 |
| 1943 | 15 | 2 | 0 | 0 | 10 | 7 | 63 | 69 | 88 | 92 | 68 | 45 | 458 |
| 1944 | 7 | 2 | 0 | 0 | 4 | 53 | 20 | 33 | 58 | 50 | 31 | 32 | 290 |
| 1945 | 12 | 3 | 2 | 3 | 5 | 44 | 56 | 48 | 74 | 89 | 81 | 55 | 471 |
| 1946 | 23 | 3 | 2 | 5 | 13 | 49 | 34 | 31 | 68 | 80 | 53 | 32 | 393 |
| 1947 | 9 | 2 | 0 | 1 | 7 | 44 | 13 | 19 | 53 | 66 | 33 | 7 | 254 |
| 1948 | 3 | 0 | 0 | 1 | 5 | 11 | 8 | 40 | 69 | 87 | 21 | 17 | 262 |
| 1949 | 5 | 1 | 0 | 0 | 5 | 42 | 25 | 26 | 61 | 63 | 23 | 11 | 262 |
| 1950 | 8 | 2 | 0 | 0 | 6 | 52 | 23 | 26 | 58 | 66 | 47 | 16 | 304 |
| 1951 | 15 | 6 | 0 | 6 | 14 | 55 | 25 | 39 | 81 | 75 | 20 | 9 | 345 |
| 1952 | 7 | 1 | 1 | 3 | 9 | 34 | 66 | 80 | 92 | 92 | 92 | 58 | 535 |
| 1953 | 18 | 4 | 3 | 4 | 9 | 36 | 13 | 28 | 56 | 60 | 41 | 16 | 286 |
| 1954 | 7 | 2 | 0 | 0 | 6 | 43 | 26 | 28 | 61 | 72 | 49 | 6 | 300 |
| 1955 | 5 | 1 | 0 | 0 | 7 | 49 | 7 | 27 | 56 | 62 | 36 | 12 | 264 |
| 1956 | 6 | 1 | 3 | 6 | 9 | 48 | 71 | 59 | 90 | 101 | 80 | 58 | 532 |
| 1957 | 25 | 4 | 3 | 3 | 6 | 25 | 10 | 20 | 62 | 79 | 68 | 16 | 320 |
| 1958 | 7 | 2 | 0 | 1 | 7 | 43 | 60 | 81 | 95 | 103 | 81 | 56 | 536 |
| 1959 | 17 | 3 | 3 | 3 | 6 | 48 | 10 | 13 | 55 | 75 | 26 | 7 | 265 |
| 1960 | 4 | 1 | 0 | 0 | 3 | 28 | 6 | 11 | 45 | 44 | 34 | 16 | 193 |
| 1961 | 3 | 0 | 0 | 0 | 3 | 10 | 4 | 5 | 42 | 56 | 13 | 8 | 144 |
| 1962 | 1 | 1 | 0 | 1 | 2 | 51 | 49 | 36 | 73 | 90 | 80 | 40 | 425 |
| 1963 | 8 | 2 | 0 | 0 | 4 | 34 | 23 | 50 | 74 | 92 | 79 | 58 | 425 |
| 1964 | 20 | 1 | 0 | 1 | 5 | 24 | 8 | 13 | 51 | 79 | 51 | 23 | 277 |
| 1965 | 3 | 0 | 0 | 5 | 14 | 54 | 39 | 51 | 78 | 92 | 68 | 56 | 461 |
| 1966 | 22 | 3 | 2 | 6 | 12 | 53 | 15 | 13 | 54 | 81 | 32 | 7 | 300 |
| 1967 | 4 | 1 | 1 | 5 | 9 | 52 | 34 | 74 | 90 | 78 | 97 | 65 | 510 |
| 1968 | 18 | 5 | 3 | 4 | 7 | 33 | 8 | 11 | 48 | 71 | 44 | 13 | 266 |
| 1969 | 3 | 0 | 0 | 2 | 2 | 11 | 0 | 69 | 94 | 79 | 95 | 70 | 425 |
| 1970 | 23 | 2 | 0 | 0 | 9 | 54 | 27 | 34 | 55 | 70 | 58 | 23 | 355 |
| 1971 | 3 | 0 | 1 | 4 | 9 | 52 | 22 | 30 | 64 | 56 | 39 | 35 | 315 |
| 1972 | 6 | 1 | 0 | 1 | 7 | 45 | 7 | 13 | 42 | 72 | 30 | 7 | 232 |
| 1973 | 7 | 2 | 0 | 1 | 7 | 49 | 64 | 54 | 81 | 98 | 79 | 30 | 471 |
| 1974 | 6 | 2 | 0 | 5 | 14 | 52 | 36 | 73 | 90 | 101 | 79 | 42 | 501 |
| 1975 | 6 | 1 | 0 | 0 | 5 | 51 | 43 | 59 | 85 | 95 | 67 | 31 | 444 |
| 1976 | 8 | 2 | 0 | 0 | 4 | 15 | 6 | 8 | 43 | 53 | 21 | 8 | 168 |
| 1977 | 4 | 0 | 0 | 0 | 1 | 32 | 0 | 4 | 7 | 7 | 9 | 6 | 70 |
| 1978 | 0 | 0 | 0 | 0 | 9 | 20 | 29 | 75 | 94 | 81 | 76 | 58 | 442 |
| 1979 | 27 | 6 | 3 | 6 | 13 | 40 | 56 | 68 | 83 | 94 | 67 | 22 | 484 |
| 1980 | 7 | 2 | 0 | 0 | 6 | 33 | 79 | 79 | 96 | 91 | 86 | 65 | 544 |
| 1981 | 16 | 3 | 3 | 3 | 6 | 22 | 18 | 24 | 45 | 64 | 46 | 7 | 258 |
| 1982 | 6 | 1 | 1 | 4 | 10 | 29 | 22 | 74 | 97 | 99 | 87 | 57 | 487 |
| 1983 | 20 | 4 | 1 | 4 | 0 | 8 | 0 | 0 | 86 | 101 | 65 | 48 | 339 |
| 1984 | 12 | 3 | 1 | 2 | 11 | 50 | 39 | 39 | 68 | 84 | 71 | 34 | 414 |
| 1985 | 12 | 2 | 0 | 0 | 8 | 37 | 18 | 23 | 56 | 65 | 30 | 19 | 271 |
| 1986 | 8 | 2 | 0 | 2 | 3 | 26 | 54 | 81 | 95 | 103 | 85 | 46 | 505 |
| 1987 | 12 | 2 | 3 | 3 | 4 | 7 | 7 | 3 | 43 | 71 | 47 | 5 | 207 |
| 1988 | 3 | 0 | 0 | 1 | 6 | 15 | 6 | 11 | 49 | 62 | 22 | 6 | 181 |
| 1989 | 3 | 0 | 0 | 0 | 4 | 30 | 10 | 8 | 45 | 70 | 42 | 5 | 218 |
| 1990 | 4 | 1 | 0 | 0 | 3 | 17 | 6 | 4 | 39 | 55 | 36 | 5 | 170 |
| 1991 | 3 | 0 | 0 | 0 | 2 | 37 | 12 | 22 | 44 | 40 | 39 | 6 | 206 |
| 1992 | 3 | 0 | 0 | 0 | 2 | 22 | 6 | 4 | 19 | 20 | 8 | 4 | 89 |
| 1993 | 5 | 0 | 0 | 0 | 11 | 41 | 76 | 61 | 92 | 101 | 79 | 58 | 523 |
| 1994 | 23 | 3 | 3 | 3 | 5 | 7 | 7 | 9 | 51 | 63 | 36 | 10 | 220 |
| AVG: | 9 | 2 | 1 | 2 | 6 | 36 | 27 | 36 | 66 | 75 | 53 | 27 | 341 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 7 | 8 | 4 | 70 |
| MAX: | 27 | 6 | 3 | 6 | 14 | 57 | 79 | 81 | 97 | 103 | 97 | 70 | 544 |

Alternative 4 - USBR San Joaquin Inbasin Obligation - Group 9 (IO(F9)) (TAF)

Modified Exchange Contractor Deliveries (Excm) X Basin Efficiency X Nonrecoverable loss factor (BE = 0.807; NRL = 10%)

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 30 | 11 | 2 | 5 | 30 | 70 | 87 | 96 | 115 | 124 | 120 | 56 | 746 |
| 1923 | 31 | 11 | 3 | 5 | 35 | 72 | 90 | 100 | 119 | 129 | 92 | 59 | 746 |
| 1924 | 33 | 12 | 3 | 5 | 27 | 16 | 45 | 52 | 46 | 49 | 46 | 46 | 380 |
| 1925 | 25 | 8 | 3 | 4 | 27 | 75 | 95 | 105 | 126 | 119 | 99 | 61 | 746 |
| 1926 | 33 | 12 | 3 | 5 | 27 | 70 | 88 | 99 | 96 | 83 | 61 | 58 | 633 |
| 1927 | 28 | 10 | 2 | 4 | 34 | 70 | 88 | 97 | 116 | 125 | 116 | 57 | 746 |
| 1928 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 100 | 61 | 59 | 55 | 636 |
| 1929 | 33 | 12 | 3 | 5 | 27 | 47 | 74 | 82 | 98 | 73 | 49 | 48 | 549 |
| 1930 | 26 | 10 | 3 | 4 | 29 | 66 | 93 | 91 | 90 | 69 | 51 | 61 | 591 |
| 1931 | 33 | 12 | 3 | 5 | 27 | 30 | 43 | 55 | 53 | 55 | 53 | 46 | 415 |
| 1932 | 25 | 8 | 3 | 4 | 29 | 71 | 88 | 97 | 118 | 126 | 121 | 57 | 746 |
| 1933 | 31 | 11 | 3 | 4 | 27 | 56 | 70 | 78 | 94 | 97 | 79 | 29 | 579 |
| 1934 | 25 | 8 | 3 | 4 | 27 | 66 | 71 | 75 | 65 | 75 | 68 | 48 | 533 |
| 1935 | 28 | 10 | 3 | 4 | 28 | 65 | 93 | 105 | 126 | 135 | 88 | 61 | 746 |
| 1936 | 31 | 11 | 3 | 6 | 31 | 71 | 89 | 98 | 117 | 126 | 106 | 58 | 746 |
| 1937 | 31 | 11 | 3 | 5 | 25 | 68 | 89 | 99 | 119 | 129 | 109 | 58 | 746 |
| 1938 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1939 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 91 | 86 | 83 | 61 | 683 |
| 1940 | 33 | 12 | 3 | 5 | 29 | 75 | 94 | 106 | 126 | 114 | 83 | 61 | 740 |
| 1941 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1942 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1943 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1944 | 32 | 11 | 3 | 5 | 28 | 73 | 91 | 101 | 121 | 123 | 98 | 59 | 746 |
| 1945 | 30 | 11 | 2 | 5 | 27 | 70 | 87 | 97 | 116 | 125 | 120 | 57 | 746 |
| 1946 | 32 | 11 | 3 | 5 | 35 | 73 | 91 | 101 | 120 | 113 | 103 | 59 | 746 |
| 1947 | 33 | 12 | 3 | 5 | 30 | 73 | 94 | 106 | 88 | 76 | 63 | 60 | 643 |
| 1948 | 33 | 12 | 3 | 5 | 27 | 58 | 86 | 110 | 131 | 98 | 78 | 64 | 704 |
| 1949 | 34 | 12 | 3 | 6 | 29 | 72 | 94 | 106 | 126 | 87 | 76 | 61 | 706 |
| 1950 | 33 | 12 | 3 | 5 | 32 | 75 | 94 | 105 | 124 | 95 | 95 | 61 | 734 |
| 1951 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 124 | 105 | 92 | 61 | 745 |
| 1952 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1953 | 32 | 11 | 3 | 5 | 36 | 74 | 91 | 96 | 122 | 118 | 97 | 60 | 746 |
| 1954 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 124 | 90 | 74 | 61 | 711 |
| 1955 | 33 | 12 | 3 | 5 | 36 | 75 | 91 | 104 | 124 | 95 | 75 | 61 | 714 |
| 1956 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1957 | 33 | 11 | 3 | 5 | 32 | 75 | 94 | 104 | 124 | 110 | 95 | 61 | 746 |
| 1958 | 30 | 11 | 2 | 5 | 33 | 69 | 87 | 96 | 114 | 123 | 119 | 56 | 746 |
| 1959 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 109 | 50 | 31 | 48 | 600 |
| 1960 | 26 | 12 | 3 | 5 | 27 | 65 | 86 | 87 | 83 | 81 | 87 | 61 | 621 |
| 1961 | 24 | 12 | 3 | 5 | 28 | 38 | 82 | 87 | 76 | 28 | 36 | 36 | 455 |
| 1962 | 11 | 11 | 3 | 5 | 27 | 72 | 90 | 101 | 121 | 129 | 117 | 59 | 746 |
| 1963 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1964 | 33 | 12 | 3 | 5 | 36 | 60 | 82 | 95 | 119 | 88 | 99 | 61 | 692 |
| 1965 | 17 | 11 | 2 | 5 | 34 | 71 | 88 | 97 | 116 | 126 | 121 | 57 | 746 |
| 1966 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 110 | 82 | 63 | 42 | 659 |
| 1967 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1968 | 33 | 12 | 3 | 5 | 36 | 70 | 88 | 76 | 85 | 91 | 87 | 61 | 648 |
| 1969 | 17 | 11 | 2 | 5 | 34 | 71 | 88 | 97 | 116 | 125 | 121 | 57 | 746 |
| 1970 | 32 | 11 | 3 | 5 | 35 | 73 | 91 | 101 | 121 | 119 | 94 | 60 | 746 |
| 1971 | 31 | 11 | 3 | 5 | 34 | 71 | 89 | 98 | 117 | 121 | 109 | 58 | 746 |
| 1972 | 33 | 12 | 3 | 5 | 36 | 75 | 83 | 85 | 107 | 77 | 75 | 41 | 631 |
| 1973 | 31 | 11 | 3 | 5 | 35 | 72 | 90 | 99 | 118 | 128 | 97 | 58 | 746 |
| 1974 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1975 | 32 | 11 | 3 | 5 | 31 | 73 | 91 | 102 | 121 | 119 | 98 | 59 | 746 |
| 1976 | 33 | 12 | 3 | 5 | 28 | 58 | 51 | 32 | 51 | 43 | 60 | 47 | 423 |
| 1977 | 20 | 8 | 3 | 4 | 10 | 3 | 4 | 2 | 48 | 51 | 43 | 23 | 217 |
| 1978 | 0 | 4 | 1 | 3 | 35 | 73 | 91 | 102 | 121 | 131 | 126 | 59 | 746 |
| 1979 | 31 | 11 | 3 | 5 | 29 | 72 | 90 | 100 | 120 | 114 | 111 | 59 | 746 |
| 1980 | 30 | 11 | 2 | 5 | 31 | 69 | 87 | 96 | 114 | 124 | 119 | 56 | 746 |
| 1981 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 93 | 82 | 79 | 61 | 677 |
| 1982 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1983 | 30 | 11 | 2 | 5 | 33 | 69 | 86 | 95 | 114 | 123 | 119 | 56 | 746 |
| 1984 | 30 | 11 | 2 | 5 | 34 | 70 | 87 | 96 | 115 | 124 | 114 | 57 | 746 |
| 1985 | 33 | 12 | 3 | 5 | 36 | 75 | 94 | 104 | 87 | 61 | 65 | 61 | 636 |
| 1986 | 31 | 11 | 3 | 5 | 29 | 71 | 89 | 99 | 117 | 127 | 106 | 58 | 746 |
| 1987 | 33 | 12 | 3 | 5 | 29 | 68 | 95 | 106 | 80 | 83 | 91 | 42 | 647 |
| 1988 | 28 | 12 | 3 | 5 | 30 | 60 | 75 | 83 | 79 | 82 | 54 | 42 | 553 |
| 1989 | 24 | 10 | 3 | 4 | 27 | 56 | 84 | 94 | 93 | 86 | 91 | 41 | 613 |
| 1990 | 29 | 11 | 3 | 4 | 29 | 66 | 82 | 82 | 46 | 99 | 57 | 38 | 546 |
| 1991 | 17 | 10 | 3 | 4 | 13 | 23 | 75 | 83 | 99 | 108 | 74 | 46 | 556 |
| 1992 | 20 | 10 | 3 | 4 | 22 | 46 | 47 | 43 | 20 | 40 | 33 | 23 | 312 |
| 1993 | 27 | 1 | 3 | 4 | 35 | 73 | 91 | 100 | 120 | 129 | 104 | 59 | 746 |
| 1994 | 33 | 12 | 3 | 5 | 32 | 67 | 83 | 92 | 92 | 85 | 83 | 54 | 642 |
| AVG: | 29 | 11 | 3 | 5 | 31 | 66 | 85 | 93 | 105 | 102 | 91 | 54 | 673 |
| MIN: | 0 | 1 | 1 | 3 | 10 | 3 | 4 | 2 | 20 | 28 | 31 | 23 | 217 |
| MAX: | 34 | 12 | 3 | 6 | 36 | 75 | 95 | 110 | 131 | 135 | 126 | 64 | 746 |

Deficiency Periods (percent of supply)

| Year | Period | Sacramento | | Feather Base |
|------|---------|------------|---------|-----------------|
| | | Base | Project | |
| 1924 | Jan-Feb | 0 | 0 | 0 |
| | Mar-Dec | 25 | 50 | 25 |
| 1925 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 0 | 0 | 0 |
| 1929 | Jan-Feb | 0 | 0 | 0 |
| | Mar-Dec | 25 | 50 | 25 |
| 1930 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 0 | 50 | 0 |
| 1931 | Jan-Feb | 0 | 50 | 0 |
| | Mar-Dec | 25 | 50 | 25 |
| 1932 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 0 | 50 | 0 |
| 1933 | Jan-Feb | 0 | 50 | 0 |
| | Mar-Dec | 25 | 50 | 25 |
| 1934 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 25 | 50 | 50 |
| 1935 | Jan-Feb | 25 | 50 | 50 |
| | Mar-Dec | 0 | 0 | 0 |
| 1939 | Jan-Feb | 0 | 0 | 0 |
| | Mar-Dec | 0 | 0 | 25 |
| 1940 | Jan-Feb | 0 | 0 | 25 |
| | Mar-Dec | 0 | 0 | 0 |
| 1976 | Jan-Feb | 0 | 0 | 0 |
| | Mar-Dec | 25 | 50 | 25 |
| 1977 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 25 | 50 | 50 |
| 1978 | Jan-Feb | 25 | 50 | 50 |
| | Mar-Dec | 0 | 0 | 0 |
| 1987 | Jan-Feb | 0 | 0 | 0 |
| | Mar-Dec | 0 | 50 | 0 |
| 1988 | Jan-Feb | 0 | 50 | 0 |
| | Mar-Dec | 0 | 50 | 25 |
| 1989 | Jan-Feb | 0 | 50 | 25 |
| | Mar-Dec | 0 | 50 | 0 |
| 1990 | Jan-Feb | 0 | 50 | 0 |
| | Mar-Dec | 0 | 50 | 0 |
| 1991 | Jan-Feb | 0 | 50 | 0 |
| | Mar-Dec | 25 | 50 | 25 |
| 1992 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 25 | 50 | 25 |
| 1993 | Jan-Feb | 25 | 50 | 25 |
| | Mar-Dec | 0 | 0 | 0 |
| 1994 | Jan-Feb | 0 | 0 | 0 |
| | Mar-Dec | 25 | 50 | 25 |

Alternative 3 - Priority Group 1 Diversion to Storage (TAF)

McClure+Don Pedro+New Melones+Hensley+Eastman+New Bullards+Spaulding+Hell Hole+French Mdws+Camp Far West
 Increased storage shown as a positive value; releases from storage set to zero.
 Corrected for months in which diversion to storage has been curtailed to meet Vernalis objective.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 25 | 156 | 167 | 635 | 455 | 272 | 881 | 824 | 0 | 0 | 0 | 3415 |
| 1923 | 5 | 46 | 158 | 202 | 230 | 137 | 299 | 452 | 171 | 0 | 0 | 0 | 1700 |
| 1924 | 0 | 15 | 37 | 40 | 62 | 17 | 65 | 13 | 0 | 0 | 0 | 0 | 249 |
| 1925 | 5 | 51 | 113 | 96 | 759 | 373 | 459 | 490 | 249 | 0 | 0 | 0 | 2595 |
| 1926 | 0 | 9 | 32 | 34 | 312 | 101 | 364 | 68 | 0 | 0 | 0 | 0 | 920 |
| 1927 | 2 | 84 | 118 | 164 | 670 | 307 | 320 | 327 | 254 | 0 | 0 | 0 | 2246 |
| 1928 | 7 | 78 | 83 | 78 | 156 | 623 | 133 | 280 | 4 | 0 | 0 | 0 | 1442 |
| 1929 | 0 | 19 | 35 | 29 | 93 | 83 | 93 | 214 | 78 | 10 | 15 | 0 | 669 |
| 1930 | 0 | 13 | 183 | 85 | 131 | 251 | 200 | 140 | 168 | 14 | 17 | 0 | 1202 |
| 1931 | 5 | 31 | 21 | 48 | 52 | 80 | 77 | 26 | 0 | 0 | 0 | 0 | 340 |
| 1932 | 1 | 25 | 322 | 274 | 629 | 325 | 244 | 611 | 395 | 0 | 0 | 0 | 2826 |
| 1933 | 4 | 15 | 37 | 49 | 83 | 108 | 107 | 170 | 294 | 0 | 0 | 0 | 867 |
| 1934 | 2 | 21 | 103 | 112 | 178 | 282 | 73 | 14 | 0 | 0 | 0 | 0 | 785 |
| 1935 | 3 | 48 | 81 | 281 | 277 | 275 | 814 | 504 | 486 | 0 | 0 | 0 | 2769 |
| 1936 | 4 | 24 | 38 | 206 | 755 | 350 | 513 | 483 | 214 | 0 | 0 | 0 | 2587 |
| 1937 | 2 | 19 | 46 | 76 | 396 | 261 | 319 | 622 | 304 | 0 | 0 | 0 | 2045 |
| 1938 | 10 | 38 | 427 | 112 | 298 | 471 | 445 | 295 | 524 | 5 | 2 | 0 | 2627 |
| 1939 | 2 | 6 | 10 | 31 | 23 | 195 | 285 | 37 | 0 | 0 | 0 | 0 | 589 |
| 1940 | 0 | 4 | 30 | 610 | 708 | 495 | 339 | 372 | 34 | 0 | 0 | 0 | 2592 |
| 1941 | 1 | 29 | 165 | 304 | 276 | 245 | 235 | 537 | 372 | 0 | 0 | 0 | 2164 |
| 1942 | 0 | 21 | 171 | 206 | 96 | 151 | 334 | 336 | 543 | 3 | 0 | 0 | 1861 |
| 1943 | 0 | 36 | 29 | 190 | 23 | 312 | 341 | 395 | 123 | 0 | 0 | 0 | 1449 |
| 1944 | 0 | 16 | 24 | 32 | 139 | 217 | 83 | 351 | 123 | 0 | 0 | 0 | 985 |
| 1945 | 2 | 121 | 127 | 125 | 585 | 187 | 283 | 472 | 429 | 0 | 0 | 0 | 2331 |
| 1946 | 4 | 67 | 349 | 88 | 25 | 189 | 262 | 386 | 24 | 0 | 0 | 0 | 1394 |
| 1947 | 0 | 49 | 73 | 62 | 151 | 210 | 122 | 108 | 10 | 0 | 0 | 0 | 785 |
| 1948 | 10 | 10 | 27 | 96 | 25 | 44 | 270 | 421 | 429 | 1 | 0 | 0 | 1333 |
| 1949 | 0 | 12 | 46 | 34 | 113 | 255 | 239 | 312 | 27 | 0 | 0 | 0 | 1038 |
| 1950 | 0 | 5 | 28 | 184 | 362 | 248 | 325 | 443 | 190 | 0 | 0 | 0 | 1785 |
| 1951 | 6 | 1145 | 1078 | 137 | 65 | 138 | 36 | 53 | 3 | 0 | 0 | 0 | 2661 |
| 1952 | 4 | 42 | 262 | 522 | 472 | 262 | 427 | 518 | 323 | 0 | 0 | 0 | 2832 |
| 1953 | 0 | 8 | 37 | 258 | 7 | 60 | 229 | 178 | 99 | 1 | 0 | 0 | 877 |
| 1954 | 3 | 16 | 45 | 77 | 145 | 370 | 369 | 429 | 21 | 0 | 0 | 0 | 1475 |
| 1955 | 0 | 12 | 70 | 167 | 103 | 13 | 59 | 288 | 114 | 0 | 0 | 0 | 826 |
| 1956 | 0 | 24 | 1618 | 459 | 152 | 163 | 106 | 561 | 361 | 0 | 0 | 0 | 3444 |
| 1957 | 9 | 23 | 30 | 46 | 178 | 191 | 122 | 269 | 274 | 0 | 0 | 0 | 1142 |
| 1958 | 3 | 18 | 65 | 178 | 556 | 276 | 444 | 666 | 373 | 0 | 0 | 0 | 2579 |
| 1959 | 0 | 23 | 6 | 73 | 106 | 121 | 122 | 53 | 7 | 0 | 0 | 0 | 511 |
| 1960 | 0 | 0 | 23 | 46 | 375 | 363 | 188 | 166 | 50 | 0 | 0 | 0 | 1211 |
| 1961 | 0 | 36 | 50 | 35 | 78 | 88 | 106 | 123 | 15 | 0 | 0 | 0 | 531 |
| 1962 | 0 | 20 | 48 | 47 | 714 | 316 | 497 | 273 | 380 | 0 | 0 | 0 | 2295 |
| 1963 | 167 | 22 | 38 | 159 | 680 | 150 | 365 | 459 | 371 | 0 | 0 | 0 | 2411 |
| 1964 | 4 | 94 | 53 | 100 | 69 | 14 | 96 | 175 | 33 | 0 | 0 | 0 | 638 |
| 1965 | 0 | 72 | 1424 | 270 | 135 | 121 | 306 | 209 | 222 | 0 | 0 | 0 | 2759 |
| 1966 | 0 | 75 | 80 | 69 | 61 | 145 | 234 | 136 | 0 | 0 | 0 | 0 | 800 |
| 1967 | 0 | 80 | 380 | 430 | 279 | 419 | 298 | 610 | 620 | 45 | 1 | 0 | 3162 |
| 1968 | 9 | 26 | 29 | 32 | 249 | 85 | 101 | 94 | 8 | 0 | 0 | 0 | 633 |
| 1969 | 3 | 69 | 149 | 1213 | 213 | 245 | 388 | 645 | 205 | 0 | 1 | 0 | 3131 |
| 1970 | 8 | 7 | 111 | 607 | 14 | 165 | 24 | 111 | 18 | 0 | 0 | 0 | 1065 |
| 1971 | 0 | 87 | 229 | 281 | 194 | 204 | 178 | 241 | 114 | 0 | 0 | 0 | 1528 |
| 1972 | 3 | 18 | 155 | 142 | 177 | 289 | 131 | 156 | 22 | 0 | 0 | 0 | 1093 |
| 1973 | 1 | 46 | 148 | 436 | 437 | 231 | 214 | 513 | 264 | 0 | 0 | 0 | 2290 |
| 1974 | 11 | 349 | 220 | 398 | 101 | 431 | 150 | 392 | 254 | 0 | 0 | 0 | 2306 |
| 1975 | 0 | 27 | 42 | 50 | 204 | 293 | 140 | 445 | 444 | 0 | 0 | 0 | 1645 |
| 1976 | 5 | 46 | 37 | 21 | 48 | 80 | 49 | 31 | 0 | 0 | 0 | 0 | 317 |
| 1977 | 18 | 14 | 13 | 10 | 5 | 4 | 17 | 21 | 0 | 0 | 0 | 0 | 102 |
| 1978 | 0 | 5 | 206 | 722 | 576 | 860 | 528 | 611 | 598 | 83 | 0 | 0 | 4189 |
| 1979 | 0 | 35 | 44 | 213 | 160 | 320 | 219 | 694 | 132 | 0 | 0 | 0 | 1817 |
| 1980 | 12 | 42 | 50 | 885 | 199 | 167 | 190 | 506 | 324 | 0 | 0 | 0 | 2375 |
| 1981 | 0 | 3 | 15 | 38 | 69 | 132 | 134 | 101 | 0 | 0 | 0 | 0 | 492 |
| 1982 | 6 | 467 | 719 | 301 | 478 | 165 | 425 | 347 | 217 | 0 | 0 | 0 | 3125 |
| 1983 | 31 | 19 | 75 | 0 | 114 | 476 | 128 | 611 | 422 | 0 | 0 | 2 | 1878 |
| 1984 | 9 | 248 | 290 | 10 | 17 | 146 | 8 | 131 | 0 | 0 | 0 | 0 | 859 |
| 1985 | 9 | 102 | 134 | 110 | 143 | 177 | 202 | 101 | 6 | 0 | 0 | 0 | 984 |
| 1986 | 0 | 45 | 140 | 283 | 1503 | 245 | 188 | 475 | 163 | 0 | 0 | 0 | 3042 |
| 1987 | 0 | 25 | 28 | 19 | 83 | 174 | 153 | 20 | 0 | 0 | 0 | 0 | 502 |
| 1988 | 0 | 9 | 90 | 127 | 95 | 105 | 68 | 29 | 0 | 0 | 0 | 0 | 523 |
| 1989 | 0 | 77 | 36 | 38 | 96 | 830 | 275 | 188 | 91 | 0 | 0 | 0 | 1631 |
| 1990 | 32 | 29 | 38 | 69 | 91 | 199 | 147 | 58 | 39 | 0 | 0 | 0 | 702 |
| 1991 | 0 | 8 | 25 | 1 | 5 | 408 | 146 | 268 | 166 | 0 | 0 | 0 | 1027 |
| 1992 | 7 | 16 | 37 | 45 | 264 | 189 | 255 | 61 | 0 | 1 | 0 | 0 | 875 |
| 1993 | 15 | 26 | 57 | 529 | 284 | 329 | 0 | 137 | 369 | 0 | 0 | 0 | 1746 |
| 1994 | 1 | 7 | 33 | 9 | 46 | 82 | 21 | 30 | 1 | 0 | 0 | 0 | 230 |
| AVG: | 6 | 62 | 158 | 187 | 250 | 240 | 225 | 301 | 183 | 2 | 0 | 0 | 1614 |
| MIN: | 0 | 0 | 6 | 0 | 5 | 4 | 0 | 13 | 0 | 0 | 0 | 0 | 102 |
| MAX: | 167 | 1145 | 1618 | 1213 | 1503 | 860 | 814 | 881 | 824 | 83 | 17 | 2 | 4189 |

Alternative 4 - Priority Group 1 Diversion to Storage (TAF)

McClure+Don Pedro+New Melones+Hensley+Eastman+New Bullards+Spaulding+Hell Hole+French Mdws+Camp Far West
 Increased storage shown as a positive value; releases from storage set to zero.
 Corrected for months in which diversion to storage has been curtailed to meet Vernalis objective.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|------|------|------|------|-----|-----|------|-----|-----|-----|-----|-------|
| 1922 | 0 | 25 | 156 | 167 | 635 | 455 | 328 | 1089 | 824 | 0 | 0 | 0 | 3679 |
| 1923 | 5 | 46 | 158 | 202 | 230 | 137 | 375 | 452 | 171 | 0 | 0 | 0 | 1776 |
| 1924 | 0 | 15 | 37 | 40 | 62 | 17 | 65 | 13 | 0 | 0 | 0 | 0 | 249 |
| 1925 | 5 | 51 | 113 | 96 | 759 | 373 | 483 | 490 | 249 | 0 | 0 | 0 | 2619 |
| 1926 | 0 | 9 | 32 | 34 | 312 | 101 | 484 | 68 | 0 | 0 | 0 | 0 | 1040 |
| 1927 | 5 | 84 | 118 | 164 | 670 | 307 | 398 | 466 | 329 | 0 | 0 | 0 | 2541 |
| 1928 | 7 | 78 | 83 | 78 | 156 | 623 | 156 | 280 | 4 | 0 | 0 | 0 | 1465 |
| 1929 | 0 | 19 | 35 | 29 | 93 | 83 | 93 | 214 | 78 | 10 | 15 | 0 | 669 |
| 1930 | 0 | 13 | 183 | 85 | 131 | 251 | 223 | 183 | 168 | 14 | 17 | 0 | 1268 |
| 1931 | 5 | 31 | 21 | 48 | 52 | 80 | 77 | 26 | 0 | 0 | 0 | 0 | 340 |
| 1932 | 1 | 25 | 322 | 274 | 629 | 325 | 244 | 786 | 516 | 0 | 0 | 0 | 3122 |
| 1933 | 4 | 15 | 37 | 49 | 83 | 108 | 131 | 218 | 294 | 0 | 0 | 0 | 939 |
| 1934 | 2 | 21 | 103 | 112 | 178 | 282 | 108 | 14 | 0 | 0 | 0 | 0 | 820 |
| 1935 | 3 | 48 | 81 | 281 | 277 | 275 | 814 | 714 | 486 | 0 | 0 | 0 | 2979 |
| 1936 | 4 | 24 | 38 | 206 | 755 | 350 | 513 | 668 | 214 | 0 | 0 | 0 | 2772 |
| 1937 | 2 | 19 | 46 | 76 | 396 | 261 | 319 | 830 | 304 | 0 | 0 | 0 | 2253 |
| 1938 | 10 | 38 | 427 | 112 | 298 | 471 | 445 | 603 | 524 | 5 | 2 | 0 | 2935 |
| 1939 | 2 | 6 | 10 | 31 | 23 | 195 | 285 | 63 | 0 | 0 | 0 | 0 | 615 |
| 1940 | 0 | 4 | 30 | 610 | 708 | 495 | 339 | 554 | 34 | 0 | 0 | 0 | 2774 |
| 1941 | 1 | 29 | 165 | 304 | 276 | 245 | 235 | 706 | 372 | 0 | 0 | 0 | 2333 |
| 1942 | 0 | 21 | 171 | 206 | 96 | 151 | 334 | 489 | 543 | 3 | 0 | 0 | 2014 |
| 1943 | 0 | 36 | 29 | 190 | 23 | 312 | 341 | 475 | 159 | 0 | 0 | 0 | 1565 |
| 1944 | 0 | 16 | 24 | 32 | 139 | 217 | 83 | 351 | 123 | 0 | 0 | 0 | 985 |
| 1945 | 2 | 121 | 127 | 125 | 585 | 187 | 283 | 611 | 429 | 0 | 0 | 0 | 2470 |
| 1946 | 4 | 67 | 349 | 88 | 25 | 189 | 380 | 466 | 24 | 0 | 0 | 0 | 1592 |
| 1947 | 0 | 49 | 73 | 62 | 151 | 210 | 122 | 108 | 10 | 0 | 0 | 0 | 785 |
| 1948 | 10 | 10 | 27 | 96 | 25 | 44 | 301 | 421 | 429 | 1 | 0 | 0 | 1364 |
| 1949 | 0 | 12 | 46 | 34 | 113 | 255 | 303 | 446 | 27 | 0 | 0 | 0 | 1236 |
| 1950 | 0 | 5 | 28 | 184 | 362 | 248 | 411 | 443 | 190 | 0 | 0 | 0 | 1871 |
| 1951 | 6 | 1145 | 1078 | 137 | 65 | 138 | 36 | 53 | 3 | 0 | 0 | 0 | 2661 |
| 1952 | 4 | 42 | 262 | 522 | 472 | 262 | 427 | 856 | 323 | 0 | 0 | 0 | 3170 |
| 1953 | 0 | 8 | 37 | 258 | 7 | 60 | 252 | 178 | 99 | 1 | 0 | 0 | 900 |
| 1954 | 3 | 16 | 45 | 77 | 187 | 370 | 398 | 530 | 21 | 0 | 0 | 0 | 1647 |
| 1955 | 0 | 12 | 70 | 167 | 103 | 13 | 61 | 398 | 114 | 0 | 0 | 0 | 938 |
| 1956 | 0 | 24 | 1618 | 459 | 152 | 163 | 129 | 642 | 361 | 0 | 0 | 0 | 3548 |
| 1957 | 9 | 23 | 30 | 46 | 178 | 191 | 122 | 329 | 274 | 0 | 0 | 0 | 1202 |
| 1958 | 3 | 18 | 65 | 178 | 556 | 276 | 444 | 976 | 373 | 0 | 0 | 0 | 2889 |
| 1959 | 0 | 23 | 6 | 73 | 106 | 121 | 170 | 68 | 7 | 0 | 0 | 0 | 574 |
| 1960 | 0 | 0 | 23 | 46 | 375 | 363 | 261 | 238 | 50 | 0 | 0 | 0 | 1356 |
| 1961 | 0 | 36 | 50 | 35 | 78 | 88 | 134 | 140 | 15 | 0 | 0 | 0 | 576 |
| 1962 | 0 | 20 | 48 | 47 | 714 | 316 | 497 | 424 | 401 | 0 | 0 | 0 | 2467 |
| 1963 | 168 | 22 | 38 | 159 | 680 | 150 | 365 | 699 | 371 | 0 | 0 | 0 | 2652 |
| 1964 | 4 | 94 | 53 | 100 | 69 | 14 | 109 | 175 | 33 | 0 | 0 | 0 | 651 |
| 1965 | 0 | 72 | 1424 | 270 | 135 | 121 | 397 | 349 | 310 | 0 | 0 | 0 | 3078 |
| 1966 | 0 | 75 | 80 | 69 | 61 | 145 | 250 | 198 | 0 | 0 | 0 | 0 | 878 |
| 1967 | 0 | 80 | 380 | 430 | 279 | 419 | 298 | 838 | 620 | 45 | 1 | 0 | 3390 |
| 1968 | 9 | 26 | 29 | 32 | 249 | 85 | 101 | 94 | 8 | 0 | 0 | 0 | 633 |
| 1969 | 3 | 69 | 149 | 1213 | 213 | 245 | 388 | 908 | 205 | 0 | 1 | 0 | 3394 |
| 1970 | 8 | 7 | 111 | 607 | 14 | 165 | 24 | 111 | 18 | 0 | 0 | 0 | 1065 |
| 1971 | 0 | 87 | 229 | 281 | 194 | 204 | 178 | 241 | 114 | 0 | 0 | 0 | 1528 |
| 1972 | 3 | 18 | 155 | 142 | 177 | 289 | 131 | 156 | 22 | 0 | 0 | 0 | 1093 |
| 1973 | 2 | 46 | 148 | 436 | 437 | 231 | 214 | 708 | 264 | 0 | 0 | 0 | 2486 |
| 1974 | 11 | 349 | 220 | 398 | 101 | 431 | 150 | 548 | 325 | 0 | 0 | 0 | 2533 |
| 1975 | 0 | 27 | 42 | 50 | 204 | 293 | 140 | 696 | 444 | 0 | 0 | 0 | 1896 |
| 1976 | 5 | 46 | 37 | 21 | 48 | 80 | 52 | 31 | 0 | 0 | 0 | 0 | 320 |
| 1977 | 18 | 14 | 13 | 10 | 5 | 4 | 17 | 21 | 0 | 0 | 0 | 0 | 102 |
| 1978 | 0 | 5 | 206 | 722 | 576 | 860 | 528 | 783 | 598 | 83 | 0 | 0 | 4361 |
| 1979 | 0 | 35 | 44 | 213 | 160 | 320 | 226 | 864 | 161 | 0 | 0 | 0 | 2023 |
| 1980 | 12 | 42 | 50 | 885 | 199 | 167 | 190 | 587 | 324 | 0 | 0 | 0 | 2456 |
| 1981 | 0 | 3 | 15 | 38 | 69 | 132 | 186 | 101 | 0 | 0 | 0 | 0 | 544 |
| 1982 | 6 | 467 | 719 | 301 | 478 | 165 | 425 | 516 | 217 | 0 | 0 | 0 | 3294 |
| 1983 | 31 | 19 | 75 | 0 | 114 | 476 | 128 | 780 | 422 | 0 | 0 | 2 | 2047 |
| 1984 | 9 | 248 | 290 | 10 | 17 | 146 | 8 | 186 | 0 | 0 | 0 | 0 | 914 |
| 1985 | 11 | 102 | 134 | 110 | 143 | 177 | 279 | 180 | 6 | 0 | 0 | 0 | 1142 |
| 1986 | 14 | 45 | 140 | 283 | 1503 | 245 | 188 | 536 | 163 | 0 | 0 | 0 | 3117 |
| 1987 | 0 | 25 | 28 | 19 | 83 | 174 | 153 | 36 | 0 | 0 | 0 | 0 | 518 |
| 1988 | 0 | 9 | 90 | 127 | 95 | 105 | 99 | 51 | 0 | 0 | 0 | 0 | 576 |
| 1989 | 0 | 77 | 36 | 38 | 96 | 830 | 376 | 241 | 91 | 0 | 0 | 0 | 1785 |
| 1990 | 32 | 29 | 38 | 69 | 91 | 199 | 199 | 61 | 39 | 0 | 0 | 0 | 757 |
| 1991 | 0 | 8 | 25 | 1 | 5 | 408 | 146 | 358 | 166 | 0 | 0 | 0 | 1117 |
| 1992 | 7 | 16 | 37 | 45 | 264 | 189 | 255 | 61 | 0 | 1 | 0 | 0 | 875 |
| 1993 | 15 | 26 | 57 | 529 | 759 | 651 | 65 | 273 | 369 | 0 | 0 | 0 | 2744 |
| 1994 | 1 | 7 | 33 | 9 | 46 | 82 | 24 | 66 | 1 | 0 | 0 | 0 | 269 |
| AVG: | 6 | 62 | 158 | 187 | 258 | 244 | 245 | 391 | 189 | 2 | 0 | 0 | 1743 |
| MIN: | 0 | 0 | 6 | 0 | 5 | 4 | 8 | 13 | 0 | 0 | 0 | 0 | 102 |
| MAX: | 168 | 1145 | 1618 | 1213 | 1503 | 860 | 814 | 1089 | 824 | 83 | 17 | 2 | 4361 |

Alternative 3 and 4 - Priority Group 2 Diversion to Storage (TAF)

Lake Valley+Loon Lake+Ice House

Increased storage shown as a positive value; releases from storage set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 8 | 13 | 45 | 19 | 0 | 0 | 0 | 85 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 10 | 18 | 37 | 21 | 0 | 0 | 0 | 86 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 17 | 8 | 0 | 0 | 0 | 46 |
| 1925 | 0 | 0 | 0 | 4 | 10 | 10 | 27 | 40 | 12 | 0 | 0 | 0 | 103 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 10 | 22 | 40 | 6 | 0 | 0 | 0 | 78 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 9 | 24 | 34 | 16 | 0 | 0 | 0 | 83 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 11 | 15 | 36 | 18 | 0 | 0 | 0 | 80 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 43 | 18 | 0 | 0 | 0 | 82 |
| 1930 | 0 | 0 | 1 | 0 | 0 | 8 | 21 | 33 | 18 | 0 | 0 | 0 | 81 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 7 | 22 | 10 | 7 | 0 | 0 | 0 | 46 |
| 1932 | 0 | 0 | 0 | 1 | 3 | 13 | 27 | 38 | 21 | 0 | 0 | 0 | 103 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 5 | 19 | 34 | 25 | 0 | 0 | 0 | 83 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 18 | 16 | 26 | 12 | 0 | 0 | 0 | 72 |
| 1935 | 0 | 0 | 0 | 0 | 7 | 2 | 27 | 39 | 12 | 0 | 0 | 0 | 87 |
| 1936 | 0 | 0 | 0 | 0 | 2 | 16 | 17 | 39 | 7 | 0 | 0 | 0 | 81 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 5 | 24 | 47 | 9 | 0 | 0 | 0 | 85 |
| 1938 | 0 | 0 | 5 | 0 | 0 | 10 | 20 | 42 | 2 | 0 | 0 | 0 | 79 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 9 | 24 | 23 | 8 | 0 | 0 | 0 | 64 |
| 1940 | 0 | 0 | 0 | 1 | 0 | 13 | 17 | 35 | 4 | 0 | 0 | 0 | 70 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 13 | 18 | 40 | 2 | 0 | 0 | 0 | 73 |
| 1942 | 0 | 0 | 0 | 1 | 0 | 8 | 22 | 24 | 14 | 0 | 0 | 0 | 69 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 12 | 24 | 30 | 2 | 0 | 0 | 0 | 68 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 38 | 14 | 0 | 0 | 0 | 71 |
| 1945 | 0 | 0 | 1 | 2 | 8 | 9 | 20 | 37 | 13 | 0 | 0 | 0 | 90 |
| 1946 | 0 | 0 | 0 | 0 | 1 | 11 | 21 | 37 | 3 | 0 | 0 | 0 | 73 |
| 1947 | 0 | 0 | 0 | 0 | 1 | 13 | 20 | 25 | 13 | 0 | 0 | 0 | 72 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 6 | 12 | 39 | 16 | 0 | 0 | 0 | 73 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 8 | 24 | 39 | 10 | 0 | 0 | 0 | 81 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 9 | 24 | 37 | 11 | 0 | 0 | 0 | 81 |
| 1951 | 0 | 25 | 9 | 3 | 2 | 6 | 15 | 27 | 16 | 0 | 0 | 0 | 103 |
| 1952 | 0 | 0 | 6 | 2 | 0 | 3 | 20 | 43 | 8 | 0 | 0 | 0 | 82 |
| 1953 | 0 | 0 | 0 | 1 | 0 | 5 | 20 | 30 | 21 | 0 | 0 | 0 | 77 |
| 1954 | 0 | 0 | 0 | 0 | 9 | 19 | 17 | 24 | 12 | 0 | 0 | 0 | 81 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 40 | 22 | 0 | 0 | 0 | 82 |
| 1956 | 0 | 0 | 20 | 0 | 0 | 4 | 16 | 36 | 12 | 0 | 0 | 0 | 88 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 8 | 21 | 36 | 17 | 0 | 0 | 0 | 82 |
| 1958 | 0 | 0 | 0 | 0 | 1 | 4 | 20 | 51 | 5 | 0 | 0 | 0 | 81 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 8 | 24 | 25 | 12 | 0 | 0 | 0 | 69 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 14 | 16 | 30 | 22 | 0 | 0 | 0 | 82 |
| 1961 | 0 | 0 | 0 | 10 | 0 | 4 | 20 | 25 | 20 | 0 | 0 | 0 | 79 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 4 | 30 | 25 | 22 | 0 | 0 | 0 | 81 |
| 1963 | 1 | 0 | 0 | 2 | 15 | 4 | 16 | 33 | 22 | 0 | 0 | 0 | 93 |
| 1964 | 0 | 0 | 0 | 10 | 0 | 3 | 20 | 26 | 20 | 0 | 0 | 0 | 79 |
| 1965 | 0 | 0 | 36 | 1 | 2 | 5 | 15 | 28 | 14 | 0 | 0 | 0 | 101 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 28 | 13 | 0 | 0 | 0 | 72 |
| 1967 | 0 | 0 | 0 | 0 | 1 | 12 | 6 | 38 | 16 | 0 | 0 | 0 | 73 |
| 1968 | 0 | 10 | 7 | 0 | 6 | 4 | 14 | 22 | 15 | 0 | 0 | 0 | 78 |
| 1969 | 0 | 0 | 16 | 0 | 0 | 6 | 20 | 36 | 10 | 0 | 0 | 0 | 88 |
| 1970 | 0 | 0 | 5 | 22 | 0 | 0 | 10 | 33 | 15 | 0 | 0 | 0 | 85 |
| 1971 | 0 | 5 | 3 | 0 | 0 | 5 | 13 | 32 | 20 | 0 | 0 | 0 | 78 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 15 | 20 | 34 | 16 | 0 | 0 | 0 | 85 |
| 1973 | 0 | 0 | 1 | 1 | 0 | 7 | 23 | 41 | 11 | 0 | 0 | 0 | 84 |
| 1974 | 0 | 10 | 0 | 6 | 0 | 5 | 15 | 44 | 8 | 0 | 0 | 0 | 88 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 43 | 26 | 0 | 0 | 0 | 81 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 7 | 18 | 16 | 7 | 0 | 0 | 0 | 48 |
| 1977 | 0 | 0 | 0 | 0 | 1 | 3 | 12 | 21 | 16 | 0 | 0 | 0 | 53 |
| 1978 | 0 | 0 | 3 | 9 | 4 | 14 | 22 | 36 | 13 | 0 | 0 | 0 | 101 |
| 1979 | 0 | 1 | 5 | 0 | 6 | 7 | 21 | 43 | 0 | 0 | 0 | 0 | 83 |
| 1980 | 0 | 0 | 0 | 26 | 1 | 1 | 14 | 25 | 10 | 0 | 0 | 0 | 77 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 9 | 24 | 25 | 10 | 0 | 0 | 0 | 68 |
| 1982 | 0 | 23 | 8 | 0 | 12 | 2 | 16 | 19 | 0 | 0 | 0 | 0 | 80 |
| 1983 | 1 | 1 | 1 | 0 | 1 | 14 | 15 | 32 | 9 | 0 | 0 | 0 | 74 |
| 1984 | 0 | 23 | 1 | 0 | 0 | 2 | 15 | 31 | 0 | 0 | 0 | 0 | 72 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 6 | 25 | 19 | 12 | 0 | 0 | 0 | 62 |
| 1986 | 0 | 0 | 0 | 6 | 17 | 12 | 10 | 21 | 2 | 0 | 0 | 0 | 68 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 8 | 18 | 21 | 5 | 0 | 0 | 0 | 52 |
| 1988 | 0 | 0 | 0 | 0 | 1 | 10 | 20 | 18 | 8 | 0 | 0 | 0 | 57 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 16 | 28 | 18 | 12 | 0 | 0 | 0 | 74 |
| 1990 | 3 | 0 | 0 | 0 | 0 | 10 | 23 | 21 | 13 | 0 | 0 | 0 | 70 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 12 | 9 | 21 | 7 | 0 | 0 | 0 | 49 |
| 1992 | 0 | 0 | 0 | 0 | 1 | 9 | 33 | 17 | 10 | 3 | 0 | 0 | 73 |
| AVG: | 0 | 1 | 2 | 2 | 2 | 8 | 19 | 32 | 12 | 0 | 0 | 0 | 77 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 0 | 0 | 0 | 0 | 46 |
| MAX: | 3 | 25 | 36 | 26 | 17 | 19 | 33 | 51 | 26 | 3 | 0 | 0 | 103 |

Alternative 3 and 4 - Priority Group 4 Diversion to Storage (TAF)

Stumpy Meadows (Lake Edson)

Increased storage shown as a positive value; releases from storage set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 |
| 1923 | 0 | 0 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1924 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1925 | 0 | 0 | 0 | 0 | 5 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 15 |
| 1926 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1927 | 0 | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| 1930 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1932 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 15 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 |
| 1934 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 3 | 0 | 0 | 0 | 0 | 14 |
| 1936 | 0 | 0 | 0 | 1 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| 1937 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1938 | 0 | 0 | 2 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1940 | 0 | 0 | 0 | 4 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 1941 | 0 | 0 | 1 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1942 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1943 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 7 |
| 1945 | 0 | 1 | 1 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1946 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1947 | 0 | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 9 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1950 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1951 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1952 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1953 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1954 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1955 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 8 |
| 1956 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1957 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1958 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1959 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1960 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 10 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1962 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 9 |
| 1963 | 1 | 0 | 0 | 3 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 12 |
| 1964 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| 1965 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1967 | 0 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1968 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1969 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1970 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1971 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1972 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1973 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1974 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1975 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 1 | 6 | 2 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 19 |
| 1979 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1980 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1981 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1982 | 0 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1983 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1984 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1985 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1986 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1987 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1992 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| AVG | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 1 | 6 | 8 | 6 | 7 | 7 | 10 | 3 | 0 | 0 | 0 | 0 | 19 |

Alternative 3 and 4 - Priority Group 5 Diversion to Storage (TAF)

Fordyce Lake

Increased storage shown as a positive value; releases from storage set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 0 | 0 | 0 | 0 | 37 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 30 | 0 | 0 | 0 | 0 | 40 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 6 |
| 1925 | 0 | 0 | 1 | 0 | 5 | 0 | 14 | 27 | 0 | 0 | 0 | 0 | 47 |
| 1926 | 0 | 0 | 0 | 0 | 3 | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 35 |
| 1927 | 0 | 5 | 0 | 0 | 5 | 2 | 26 | 6 | 0 | 0 | 0 | 0 | 44 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 9 | 25 | 4 | 0 | 0 | 0 | 0 | 38 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 2 | 0 | 0 | 0 | 14 |
| 1930 | 0 | 0 | 6 | 0 | 0 | 2 | 11 | 21 | 0 | 0 | 0 | 0 | 40 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 0 | 0 | 0 | 0 | 10 |
| 1932 | 0 | 0 | 2 | 0 | 1 | 2 | 2 | 25 | 16 | 0 | 0 | 0 | 48 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 16 | 0 | 0 | 0 | 24 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 11 |
| 1935 | 0 | 1 | 0 | 1 | 0 | 1 | 5 | 30 | 9 | 0 | 0 | 0 | 47 |
| 1936 | 0 | 0 | 0 | 1 | 1 | 0 | 12 | 26 | 0 | 0 | 0 | 0 | 40 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 28 | 11 | 0 | 0 | 0 | 40 |
| 1938 | 0 | 0 | 4 | 0 | 0 | 5 | 13 | 17 | 0 | 0 | 0 | 0 | 39 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 10 |
| 1940 | 0 | 0 | 0 | 6 | 3 | 12 | 25 | 1 | 0 | 0 | 0 | 0 | 47 |
| 1941 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 27 | 0 | 0 | 0 | 0 | 37 |
| 1942 | 0 | 0 | 1 | 0 | 1 | 0 | 13 | 18 | 0 | 0 | 0 | 0 | 33 |
| 1943 | 0 | 0 | 0 | 1 | 0 | 10 | 22 | 0 | 0 | 0 | 0 | 0 | 33 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 9 | 0 | 0 | 0 | 29 |
| 1945 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 29 | 7 | 0 | 0 | 0 | 42 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 31 | 0 | 0 | 0 | 0 | 39 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 8 | 0 | 0 | 0 | 0 | 15 |
| 1948 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 21 | 19 | 0 | 0 | 0 | 46 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25 | 4 | 0 | 0 | 0 | 34 |
| 1950 | 0 | 0 | 0 | 2 | 1 | 0 | 6 | 30 | 3 | 0 | 0 | 0 | 42 |
| 1951 | 0 | 11 | 11 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 30 | 0 | 0 | 0 | 0 | 37 |
| 1953 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 19 | 13 | 0 | 0 | 0 | 38 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 22 | 0 | 0 | 0 | 0 | 38 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 10 | 0 | 0 | 0 | 25 |
| 1956 | 0 | 0 | 16 | 8 | 0 | 1 | 10 | 5 | 0 | 0 | 0 | 0 | 40 |
| 1957 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 27 | 8 | 0 | 0 | 0 | 39 |
| 1958 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 31 | 0 | 0 | 0 | 0 | 39 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 0 | 0 | 13 |
| 1960 | 0 | 0 | 0 | 0 | 4 | 3 | 9 | 16 | 3 | 0 | 0 | 0 | 35 |
| 1961 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 9 | 2 | 0 | 0 | 0 | 17 |
| 1962 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 23 | 14 | 0 | 0 | 0 | 46 |
| 1963 | 4 | 0 | 0 | 0 | 6 | 0 | 15 | 14 | 0 | 0 | 0 | 0 | 39 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 8 | 0 | 0 | 0 | 26 |
| 1965 | 0 | 0 | 19 | 8 | 1 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 40 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 | 0 | 0 | 0 | 0 | 28 |
| 1967 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 30 | 11 | 0 | 0 | 0 | 45 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 15 | 0 | 0 | 0 | 0 | 27 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 34 | 0 | 0 | 0 | 0 | 44 |
| 1970 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 40 |
| 1971 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 26 | 11 | 0 | 0 | 0 | 42 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 32 | 0 | 0 | 0 | 0 | 39 |
| 1973 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 33 | 0 | 0 | 0 | 0 | 42 |
| 1974 | 0 | 10 | 0 | 7 | 0 | 0 | 1 | 29 | 0 | 0 | 0 | 0 | 47 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 15 | 0 | 0 | 0 | 42 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 7 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 7 |
| 1978 | 0 | 0 | 2 | 2 | 0 | 4 | 7 | 32 | 0 | 0 | 0 | 0 | 47 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 33 | 0 | 0 | 0 | 0 | 35 |
| 1980 | 0 | 1 | 0 | 17 | 4 | 0 | 13 | 9 | 0 | 0 | 0 | 0 | 44 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 0 | 0 | 0 | 0 | 17 |
| 1982 | 0 | 20 | 18 | 0 | 11 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 52 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 29 | 5 | 0 | 0 | 0 | 37 |
| 1984 | 0 | 15 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 25 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 19 | 0 | 0 | 0 | 0 | 30 |
| 1986 | 0 | 0 | 0 | 3 | 19 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 44 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 13 |
| 1988 | 0 | 0 | 1 | 0 | 1 | 3 | 6 | 3 | 0 | 0 | 0 | 0 | 14 |
| 1989 | 0 | 1 | 0 | 0 | 1 | 10 | 21 | 15 | 0 | 0 | 0 | 0 | 48 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 11 | 0 | 0 | 0 | 0 | 23 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 15 | 5 | 0 | 0 | 0 | 26 |
| 1992 | 0 | 0 | 0 | 0 | 2 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 17 |
| AVG: | 0 | 1 | 1 | 1 | 1 | 2 | 7 | 17 | 3 | 0 | 0 | 0 | 33 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| MAX: | 4 | 20 | 19 | 21 | 19 | 20 | 26 | 36 | 19 | 0 | 0 | 0 | 52 |

Alternative 3 and 4 - Priority Group 6 Diversion to Storage (TAF)

Rollins+Combie+Scotts Flat+Bowman+Jackson Meadows

Increased storage shown as a positive value; releases from storage set to zero.

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 12 | 9 | 13 | 2 | 3 | 57 | 28 | 0 | 0 | 0 | 124 |
| 1923 | 0 | 0 | 2 | 1 | 1 | 1 | 20 | 38 | 13 | 0 | 0 | 0 | 76 |
| 1924 | 0 | 0 | 0 | 0 | 1 | 8 | 11 | 5 | 0 | 0 | 0 | 0 | 25 |
| 1925 | 0 | 0 | 4 | 15 | 63 | 2 | 23 | 33 | 6 | 0 | 0 | 0 | 146 |
| 1926 | 0 | 0 | 0 | 0 | 36 | 2 | 29 | 14 | 0 | 0 | 0 | 0 | 81 |
| 1927 | 1 | 27 | 22 | 15 | 9 | 14 | 26 | 54 | 26 | 0 | 0 | 0 | 194 |
| 1928 | 0 | 5 | 0 | 0 | 1 | 32 | 19 | 33 | 0 | 0 | 0 | 0 | 90 |
| 1929 | 0 | 0 | 0 | 0 | 3 | 12 | 10 | 44 | 10 | 0 | 0 | 0 | 79 |
| 1930 | 0 | 0 | 23 | 8 | 2 | 7 | 22 | 11 | 6 | 0 | 0 | 0 | 79 |
| 1931 | 0 | 0 | 0 | 0 | 1 | 3 | 13 | 12 | 0 | 0 | 0 | 0 | 29 |
| 1932 | 0 | 0 | 13 | 10 | 22 | 7 | 24 | 50 | 24 | 0 | 0 | 0 | 150 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 34 | 36 | 0 | 0 | 0 | 83 |
| 1934 | 0 | 0 | 4 | 0 | 1 | 15 | 14 | 0 | 0 | 0 | 0 | 0 | 34 |
| 1935 | 0 | 6 | 3 | 1 | 1 | 1 | 8 | 45 | 19 | 0 | 0 | 0 | 84 |
| 1936 | 0 | 0 | 0 | 16 | 7 | 10 | 29 | 50 | 16 | 0 | 0 | 0 | 128 |
| 1937 | 0 | 0 | 0 | 0 | 23 | 4 | 9 | 52 | 11 | 0 | 0 | 0 | 99 |
| 1938 | 1 | 1 | 69 | 1 | 7 | 7 | 12 | 61 | 22 | 0 | 0 | 0 | 181 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 3 | 19 | 4 | 0 | 0 | 0 | 0 | 26 |
| 1940 | 1 | 0 | 0 | 51 | 18 | 32 | 26 | 42 | 0 | 0 | 0 | 0 | 170 |
| 1941 | 1 | 0 | 16 | 3 | 6 | 10 | 13 | 59 | 5 | 0 | 0 | 0 | 113 |
| 1942 | 2 | 0 | 10 | 7 | 5 | 3 | 18 | 32 | 18 | 0 | 0 | 0 | 95 |
| 1943 | 1 | 0 | 2 | 12 | 3 | 14 | 41 | 17 | 0 | 0 | 0 | 0 | 90 |
| 1944 | 0 | 0 | 0 | 0 | 12 | 3 | 4 | 42 | 9 | 0 | 0 | 0 | 70 |
| 1945 | 1 | 4 | 8 | 2 | 28 | 4 | 13 | 43 | 11 | 0 | 0 | 0 | 114 |
| 1946 | 1 | 6 | 8 | 2 | 1 | 3 | 23 | 44 | 7 | 0 | 0 | 0 | 95 |
| 1947 | 1 | 3 | 6 | 0 | 4 | 5 | 12 | 17 | 2 | 0 | 0 | 0 | 50 |
| 1948 | 1 | 3 | 0 | 7 | 0 | 10 | 35 | 50 | 28 | 0 | 0 | 0 | 134 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 18 | 16 | 45 | 5 | 0 | 0 | 0 | 84 |
| 1950 | 0 | 0 | 1 | 18 | 42 | 5 | 25 | 48 | 10 | 3 | 0 | 0 | 152 |
| 1951 | 3 | 46 | 16 | 4 | 4 | 4 | 4 | 13 | 0 | 0 | 0 | 0 | 94 |
| 1952 | 0 | 4 | 10 | 4 | 6 | 6 | 31 | 71 | 15 | 0 | 0 | 0 | 147 |
| 1953 | 0 | 0 | 0 | 4 | 1 | 5 | 23 | 34 | 28 | 0 | 0 | 0 | 95 |
| 1954 | 0 | 0 | 0 | 1 | 1 | 4 | 27 | 29 | 3 | 0 | 0 | 0 | 65 |
| 1955 | 0 | 0 | 5 | 8 | 0 | 0 | 4 | 36 | 28 | 0 | 0 | 0 | 81 |
| 1956 | 0 | 0 | 110 | 17 | 7 | 3 | 18 | 42 | 7 | 0 | 0 | 0 | 204 |
| 1957 | 0 | 0 | 0 | 0 | 3 | 6 | 11 | 36 | 19 | 0 | 0 | 0 | 75 |
| 1958 | 0 | 0 | 6 | 0 | 12 | 7 | 9 | 68 | 28 | 0 | 0 | 0 | 130 |
| 1959 | 1 | 0 | 0 | 4 | 3 | 3 | 13 | 11 | 0 | 0 | 0 | 0 | 35 |
| 1960 | 0 | 3 | 0 | 0 | 25 | 34 | 27 | 22 | 2 | 0 | 0 | 1 | 114 |
| 1961 | 0 | 0 | 0 | 2 | 3 | 1 | 8 | 22 | 3 | 0 | 0 | 0 | 39 |
| 1962 | 0 | 3 | 0 | 0 | 28 | 11 | 39 | 34 | 14 | 0 | 0 | 0 | 129 |
| 1963 | 29 | 0 | 3 | 10 | 31 | 3 | 5 | 34 | 0 | 0 | 0 | 0 | 115 |
| 1964 | 2 | 3 | 0 | 0 | 0 | 0 | 12 | 31 | 7 | 0 | 0 | 0 | 55 |
| 1965 | 0 | 0 | 114 | 10 | 3 | 2 | 18 | 28 | 2 | 0 | 0 | 0 | 177 |
| 1966 | 1 | 0 | 0 | 0 | 0 | 1 | 12 | 25 | 0 | 0 | 0 | 0 | 39 |
| 1967 | 0 | 7 | 30 | 20 | 1 | 15 | 1 | 43 | 53 | 0 | 0 | 0 | 170 |
| 1968 | 0 | 2 | 0 | 0 | 11 | 3 | 8 | 15 | 0 | 0 | 0 | 0 | 39 |
| 1969 | 0 | 1 | 12 | 47 | 4 | 2 | 20 | 69 | 16 | 0 | 0 | 0 | 171 |
| 1970 | 1 | 0 | 5 | 45 | 3 | 3 | 0 | 12 | 3 | 0 | 0 | 0 | 72 |
| 1971 | 0 | 12 | 3 | 2 | 1 | 3 | 12 | 42 | 39 | 0 | 0 | 0 | 114 |
| 1972 | 0 | 0 | 0 | 0 | 2 | 10 | 9 | 28 | 5 | 0 | 0 | 0 | 54 |
| 1973 | 0 | 12 | 14 | 7 | 4 | 2 | 15 | 48 | 7 | 0 | 0 | 0 | 109 |
| 1974 | 0 | 37 | 3 | 21 | 3 | 10 | 10 | 32 | 11 | 0 | 0 | 0 | 127 |
| 1975 | 0 | 0 | 0 | 1 | 8 | 1 | 0 | 43 | 50 | 5 | 0 | 0 | 108 |
| 1976 | 3 | 0 | 0 | 0 | 0 | 7 | 3 | 9 | 0 | 0 | 0 | 0 | 22 |
| 1977 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 11 | 6 | 0 | 0 | 0 | 24 |
| 1978 | 0 | 0 | 19 | 50 | 2 | 15 | 14 | 52 | 31 | 1 | 0 | 0 | 184 |
| 1979 | 0 | 0 | 5 | 8 | 2 | 2 | 9 | 41 | 4 | 0 | 0 | 0 | 71 |
| 1980 | 0 | 0 | 11 | 57 | 14 | 4 | 16 | 36 | 8 | 0 | 0 | 0 | 146 |
| 1981 | 3 | 0 | 0 | 4 | 3 | 3 | 12 | 11 | 0 | 0 | 0 | 0 | 36 |
| 1982 | 0 | 85 | 49 | 5 | 24 | 9 | 11 | 20 | 0 | 0 | 0 | 0 | 203 |
| 1983 | 1 | 5 | 2 | 4 | 5 | 17 | 2 | 50 | 36 | 0 | 0 | 0 | 122 |
| 1984 | 0 | 23 | 9 | 3 | 3 | 3 | 4 | 20 | 0 | 0 | 0 | 0 | 65 |
| 1985 | 0 | 1 | 0 | 0 | 1 | 2 | 21 | 25 | 0 | 0 | 0 | 0 | 50 |
| 1986 | 1 | 0 | 1 | 22 | 88 | 43 | 13 | 4 | 0 | 0 | 0 | 0 | 172 |
| 1987 | 0 | 0 | 0 | 0 | 3 | 15 | 21 | 5 | 0 | 0 | 0 | 0 | 44 |
| 1988 | 0 | 3 | 4 | 10 | 0 | 0 | 6 | 1 | 5 | 1 | 0 | 0 | 30 |
| 1989 | 2 | 3 | 1 | 5 | 1 | 68 | 14 | 17 | 3 | 0 | 1 | 0 | 115 |
| 1990 | 0 | 1 | 3 | 6 | 7 | 14 | 12 | 11 | 0 | 3 | 5 | 1 | 63 |
| 1991 | 0 | 3 | 0 | 0 | 0 | 49 | 8 | 0 | 11 | 0 | 3 | 2 | 76 |
| 1992 | 3 | 0 | 0 | 0 | 24 | 18 | 6 | 4 | 3 | 0 | 0 | 0 | 58 |
| AVG: | 1 | 4 | 9 | 8 | 9 | 9 | 15 | 31 | 11 | 0 | 0 | 0 | 97 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| MAX: | 29 | 85 | 114 | 57 | 88 | 68 | 41 | 71 | 53 | 5 | 5 | 2 | 204 |

Alternative 3 - Priority Group 8 Diversion to Storage (TAF)

Friant (A000234)

Increased storage shown as a positive value; releases from storage set to zero.

Corrected for months in which diversion to storage has been curtailed to meet Vernalis objective (X).

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | X | 42 | 70 | 75 | 7 | 84 | 0 | 89 | 0 | 0 | 0 | 0 | 367 |
| 1923 | 0 | 26 | 75 | 59 | 0 | 0 | 87 | 31 | 0 | 0 | 0 | 14 | 292 |
| 1924 | 28 | 26 | 43 | 44 | 0 | 0 | 10 | X | 0 | 0 | 0 | 8 | 159 |
| 1925 | X | 19 | 36 | 36 | 16 | 0 | 61 | 61 | 0 | 0 | 0 | 0 | 229 |
| 1926 | X | 29 | 43 | 41 | 12 | 0 | 145 | 67 | 0 | 0 | 0 | 26 | 363 |
| 1927 | X | 43 | 68 | 65 | 68 | 8 | 0 | 46 | 37 | 0 | 0 | 0 | 335 |
| 1928 | 0 | 55 | 68 | 63 | 0 | 13 | 32 | 14 | 0 | 0 | 0 | 25 | 270 |
| 1929 | X | 37 | 40 | 34 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 25 | 196 |
| 1930 | X | 37 | 34 | 34 | 0 | 0 | 50 | 33 | 0 | 0 | 0 | 37 | 225 |
| 1931 | 9 | 40 | 33 | 31 | 0 | 0 | 5 | X | 0 | 0 | 0 | 1 | 119 |
| 1932 | 1 | 19 | 69 | 54 | 82 | 0 | 0 | 26 | 83 | 0 | 0 | 0 | 334 |
| 1933 | 0 | 26 | 32 | 46 | 0 | 0 | 59 | 59 | 0 | 0 | 0 | 1 | 223 |
| 1934 | X | 23 | 50 | 53 | 0 | 0 | 38 | X | 0 | 0 | 0 | 21 | 185 |
| 1935 | X | 27 | 44 | 69 | 0 | 0 | 116 | 94 | 58 | 0 | 0 | 24 | 432 |
| 1936 | 15 | 44 | 47 | 51 | 115 | 0 | 27 | 65 | 0 | 0 | 0 | 14 | 378 |
| 1937 | 22 | 24 | 58 | 64 | 106 | 50 | 36 | 0 | 0 | 0 | 0 | 0 | 360 |
| 1938 | 7 | 32 | 144 | 113 | 0 | 0 | 0 | 0 | 361 | 24 | 0 | 0 | 681 |
| 1939 | 0 | 3 | 50 | 34 | 0 | 0 | 67 | 79 | 0 | 0 | 0 | 53 | 286 |
| 1940 | X | 26 | 40 | 121 | 4 | 6 | 0 | 59 | 0 | 0 | 0 | 11 | 267 |
| 1941 | 23 | 31 | 107 | 113 | 17 | 70 | 0 | 0 | 39 | 0 | 0 | 0 | 400 |
| 1942 | 0 | 29 | 81 | 79 | 0 | 19 | 3 | 36 | 77 | 0 | 0 | 0 | 324 |
| 1943 | 0 | 40 | 71 | 151 | 0 | 106 | 0 | 10 | 0 | 0 | 0 | 0 | 378 |
| 1944 | 7 | 27 | 50 | 40 | 9 | 0 | 28 | 2 | 0 | 0 | 0 | 0 | 163 |
| 1945 | X | 56 | 63 | 35 | 113 | 42 | 0 | 29 | 30 | 0 | 0 | 0 | 368 |
| 1946 | 0 | 45 | 92 | 65 | 0 | 0 | 46 | 98 | 0 | 0 | 0 | 5 | 351 |
| 1947 | 1 | 48 | 80 | 66 | 0 | 0 | X | 52 | X | 0 | 0 | 20 | 267 |
| 1948 | X | 42 | 44 | 38 | 0 | 24 | 106 | 0 | 0 | 0 | 0 | 9 | 263 |
| 1949 | X | 29 | 38 | 42 | 0 | 0 | 36 | 58 | 0 | 0 | 0 | 28 | 231 |
| 1950 | X | 33 | 48 | 59 | 21 | 0 | 37 | 66 | 0 | 0 | 0 | 14 | 278 |
| 1951 | X | 132 | 116 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 40 | 288 |
| 1952 | X | 33 | 93 | 120 | 6 | 35 | 0 | 0 | 224 | 0 | 0 | 0 | 511 |
| 1953 | 0 | 39 | 64 | 63 | 0 | 0 | 32 | X | 0 | 0 | 0 | 5 | 203 |
| 1954 | X | 25 | 50 | 61 | 0 | 0 | 38 | 97 | 0 | 0 | 0 | 39 | 310 |
| 1955 | X | 36 | 62 | 67 | 0 | 0 | X | 43 | 0 | 0 | 0 | 14 | 222 |
| 1956 | X | 23 | 223 | 0 | 0 | 86 | 0 | 0 | 80 | 0 | 0 | 0 | 412 |
| 1957 | 0 | 23 | 42 | 31 | 0 | 11 | X | 66 | 8 | 0 | 0 | 22 | 203 |
| 1958 | X | 34 | 74 | 76 | 39 | 56 | 58 | 0 | 2 | 0 | 0 | 0 | 339 |
| 1959 | 0 | 43 | 49 | 24 | 24 | 0 | 82 | X | 0 | 0 | 0 | 11 | 233 |
| 1960 | X | 3 | 12 | 22 | 37 | 0 | 50 | 34 | 0 | 0 | 0 | 0 | 158 |
| 1961 | X | 24 | 38 | 18 | 0 | 3 | 51 | 49 | 0 | 0 | 0 | 0 | 183 |
| 1962 | 1 | 8 | 30 | 18 | 148 | 0 | 0 | 115 | 65 | 0 | 0 | 0 | 385 |
| 1963 | X | 27 | 28 | 53 | 156 | 1 | 93 | 0 | 0 | 0 | 0 | 0 | 358 |
| 1964 | 0 | 78 | 92 | 35 | 0 | 0 | X | 36 | 0 | 0 | 0 | 17 | 258 |
| 1965 | X | 39 | 100 | 130 | 0 | 0 | 25 | 0 | 48 | 0 | 0 | 0 | 342 |
| 1966 | 0 | 71 | 121 | 55 | 0 | 0 | 70 | 89 | 0 | 0 | 0 | 0 | 406 |
| 1967 | X | 33 | 126 | 86 | 3 | 60 | 0 | 0 | 232 | 34 | 0 | 0 | 574 |
| 1968 | 0 | 20 | 66 | 22 | 3 | 0 | X | 21 | 0 | 0 | 0 | 10 | 142 |
| 1969 | X | 39 | 51 | 182 | 0 | 0 | 0 | 4 | 382 | 0 | 0 | 0 | 658 |
| 1970 | 0 | 53 | 87 | 85 | 0 | 0 | X | X | 0 | 0 | 0 | 3 | 228 |
| 1971 | X | 53 | 103 | 68 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 224 |
| 1972 | X | 28 | 83 | 61 | 0 | 0 | X | 24 | 0 | 0 | 0 | 0 | 196 |
| 1973 | X | 32 | 68 | 84 | 65 | 1 | 0 | 125 | 6 | 0 | 0 | 0 | 381 |
| 1974 | 23 | 64 | 123 | 68 | 0 | 24 | 41 | 55 | 20 | 0 | 0 | 0 | 418 |
| 1975 | 6 | 43 | 62 | 42 | 26 | 0 | 23 | 11 | 138 | 0 | 0 | 14 | 365 |
| 1976 | 17 | 62 | 67 | 39 | 0 | 19 | 14 | 0 | 0 | 0 | 0 | 35 | 253 |
| 1977 | 0 | 17 | 10 | 8 | 0 | 0 | X | X | 0 | 7 | 0 | 2 | 44 |
| 1978 | 0 | 1 | 48 | 142 | 118 | 0 | 0 | 0 | 310 | 0 | 0 | 0 | 619 |
| 1979 | 0 | 29 | 55 | 50 | 0 | 33 | 0 | 57 | 0 | 0 | 0 | 11 | 235 |
| 1980 | 17 | 0 | 55 | 197 | 0 | 0 | 41 | 0 | 130 | 0 | 0 | 0 | 440 |
| 1981 | 0 | 27 | 26 | 28 | 8 | 8 | 53 | 31 | 0 | 0 | 0 | 25 | 206 |
| 1982 | X | 36 | 106 | 103 | 0 | 86 | 0 | 67 | 82 | 0 | 0 | 0 | 480 |
| 1983 | 0 | 104 | 18 | 0 | 0 | 0 | 0 | 0 | 37 | 285 | 40 | 24 | 508 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 42 | X | 0 | 0 | 0 | 0 | 0 | 42 |
| 1985 | X | 24 | 55 | 84 | 0 | 0 | 96 | 59 | 0 | 0 | 0 | 1 | 319 |
| 1986 | X | 49 | 87 | 81 | 0 | 7 | 110 | 0 | 58 | 0 | 0 | 0 | 392 |
| 1987 | 3 | 19 | 9 | 9 | 1 | 44 | 64 | 83 | 0 | 0 | 0 | 15 | 247 |
| 1988 | X | 32 | 35 | 60 | 0 | 37 | 47 | 32 | 0 | 0 | 0 | 6 | 249 |
| 1989 | 1 | 27 | 25 | 28 | 0 | 15 | 74 | 59 | 0 | 0 | 0 | 14 | 243 |
| 1990 | 11 | 18 | 19 | 23 | 0 | 23 | 52 | 45 | 0 | 0 | 0 | 10 | 201 |
| 1991 | 0 | 14 | 16 | 18 | 0 | 0 | 31 | 22 | 12 | 0 | 0 | 13 | 126 |
| 1992 | 0 | 13 | 9 | 13 | 3 | 0 | 8 | 2 | 0 | 0 | 0 | 1 | 49 |
| 1993 | 4 | 0 | 23 | 176 | 26 | 59 | 9 | 94 | 0 | 0 | 0 | 0 | 391 |
| 1994 | 0 | 19 | 30 | 13 | 0 | 41 | 48 | 56 | 0 | 0 | 0 | 15 | 222 |
| AVG: | 3 | 34 | 60 | 59 | 17 | 15 | 31 | 34 | 35 | 5 | 1 | 9 | 301 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| MAX: | 28 | 132 | 223 | 197 | 156 | 106 | 145 | 125 | 382 | 285 | 40 | 53 | 681 |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|------|------|-------|-------|-----|-----|-----|-----|
| 1922 | Add Water | 6.0 | x | x | x | 0 | 0 | 29.0 | 108.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 8.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 53.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 2.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 208.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 107.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 100.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 13.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 13.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 13.0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 13.0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 43.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 1.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 41.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 41.1 | 100.5 | 0 | x | x | x | |
| Water Generated | 6.0 | x | x | x | 0 | 0 | 29.0 | 108.0 | 0 | x | x | x | |
| 1923 | Add Water | 0 | x | x | x | 0 | 52.0 | 52.0 | 109.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 12.0 | 16.0 | 11.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0.2 | 1.1 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 42.0 | 0 | 98.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 42.0 | 0 | 98.0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 5.0 | 3.0 | 16.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 5.0 | 3.0 | 10.5 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 5.5 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 5.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 5.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 73.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 47.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 25.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 25.1 | 5.5 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 52.2 | 52.0 | 109.0 | 0 | x | x | x | |
| 1924 | Add Water | 0 | x | x | x | 0 | 0 | 18.0 | 43.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 71.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 7.5 | 29.7 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 2.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 4.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 4.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 9.0 | 11.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 9.0 | 11.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 20.5 | 43.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|------|------|-------|-------|------|-----|-----|-----|
| 1925 | Add Water | 27.0 | x | x | x | 0 | 0 | 23.0 | 70.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 8.0 | 8.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0.3 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 33.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 23.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 24.0 | 147.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 22.7 | 69.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 1.0 | 77.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 1.0 | 77.5 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 23.0 | 70.0 | 0 | x | x | x | |
| 1926 | Add Water | 27.0 | x | x | x | 0 | 32.0 | 34.0 | 88.0 | 8.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 8.0 | 16.0 | 21.0 | 24.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0.2 | 1.1 | 3.2 | 9.2 | x | x | x |
| | Friant Stor & DD | 60.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 23.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 47.0 | 4.0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 31.8 | 4.0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 15.2 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 5.0 | 5.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 5.0 | 5.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 110.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 22.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 87.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 128.0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 79.8 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 48.2 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 15.2 | 87.1 | 48.2 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 32.0 | 34.0 | 88.0 | 9.2 | x | x | x | |
| 1927 | Add Water | 27.0 | x | x | x | 0 | 0 | 24.0 | 113.0 | 90.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 8.0 | 8.0 | 16.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0.3 | 0.5 | 1.4 | x | x | x |
| | Friant Stor & DD | 73.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 20.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 3.0 | x | x | x | 0 | 0 | 78.0 | 139.0 | 21.0 | x | x | x |
| | NM for Vern | 3.0 | x | x | x | 0 | 0 | 23.7 | 112.5 | 21.0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 54.3 | 26.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 75.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 67.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 7.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 54.3 | 26.5 | 7.4 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 24.0 | 113.0 | 90.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|
| 1928 | Add Water | 0 | x | x | x | 0 | 0 | 39.0 | 91.0 | 2.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 21.0 | 16.0 | 18.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 2.1 | 1.4 | 2.5 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 17.0 | 70.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 17.0 | 70.0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 78.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 19.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 58.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 23.0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 19.9 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 1.0 | 58.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 39.0 | 91.0 | 2.5 | x | x | x | |
| 1929 | Add Water | 27.0 | x | x | x | 0 | 0 | 0 | 23.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 50.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 21.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 6.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 6.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 21.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 15.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 5.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 5.4 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 0 | 23.0 | 0 | x | x | x | |
| 1930 | Add Water | 27.0 | x | x | x | 0 | 0 | 15.0 | 20.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 21.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 3.2 | 0 | x | x | x |
| | Friant Stor & DD | 34.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 20.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 3.0 | 2.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 3.0 | 2.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 20.0 | 9.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 10.9 | 9.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 9.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 32.0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 5.8 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 26.2 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 9.1 | 26.2 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 15.0 | 20.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|-----|-----|-----|-----|-----|------|-------|-------|-------|-----|-----|-----|
| 1931 | Add Water | 0 | x | x | x | 0 | 0 | 23.0 | 45.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 52.0 | 70.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 9.3 | 29.7 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0.7 | 2.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 13.0 | 13.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 13.0 | 13.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 23.0 | 45.0 | 0 | x | x | x | |
| 1932 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 68.0 | 32.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 8.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0.5 | 0.5 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 175.0 | 121.0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 67.5 | 31.5 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 107.5 | 89.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 107.5 | 89.5 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 68.0 | 32.0 | x | x | x | |
| 1933 | Add Water | 0 | x | x | x | 0 | 0 | 31.0 | 57.0 | 23.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 24.0 | 16.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 7.5 | 8.7 | 1.4 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 3.0 | 4.0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 3.0 | 4.0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 24.0 | 45.0 | 87.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 24.0 | 45.0 | 17.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 69.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 69.4 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 31.5 | 57.0 | 23.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|------|-------|-------|------|-----|-----|-----|
| 1934 | Add Water | 27.0 | x | x | x | 0 | 0 | 10.0 | 42.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 71.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 29.7 | 0 | x | x | x |
| | Friant Stor & DD | 46.0 | x | x | x | 0 | 0 | 0 | 85.0 | 0 | x | x | x |
| | Friant Oblig at NM | 19.4 | x | x | x | 0 | 0 | 0 | 12.3 | 0 | x | x | x |
| | From NM | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 34.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 7.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 26.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 26.1 | 0 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 10.0 | 42.0 | 0 | x | x | x | |
| 1935 | Add Water | 27.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 47.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 23.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1936 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 49.0 | 13.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 8.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0.5 | 0.5 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 185.0 | 56.0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 48.5 | 12.5 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 136.5 | 43.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 136.5 | 43.5 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 49.0 | 13.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|
| 1937 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1938 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1939 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 45.0 | 12.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 63.0 | 44.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 26.5 | 10.9 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.1 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 7.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 7.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 19.0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 19.0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 52.5 | 12.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|
| 1940 | Add Water | 23.0 | x | x | x | 0 | 0 | 0 | 62.0 | 91.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 8.0 | 21.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0.5 | 3.7 | x | x | x |
| | Friant Stor & DD | 49.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 11.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 182.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 61.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 120.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 18.0 | x | x | x |
| | McClure for Vern | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 18.0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 142.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 69.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 72.7 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 120.5 | 72.7 | x | x | x | |
| Water Generated | 23.0 | x | x | x | 0 | 0 | 0 | 62.0 | 91.0 | x | x | x | |
| 1941 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1942 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 11.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 153.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 10.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 142.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 142.5 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 11.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|-----|-------|-------|------|-----|-----|-----|
| 1943 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 46.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 16.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.4 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 30.0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 30.0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 36.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 14.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 21.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 21.4 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 46.0 | x | x | x | |
| 1944 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 25.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 130.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 23.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 106.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 106.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 25.0 | 0 | x | x | x | |
| 1945 | Add Water | 14.0 | x | x | x | 0 | 0 | 0 | 11.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 87.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 10.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 139.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 10.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 128.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 128.5 | 0 | x | x | x | |
| Water Generated | 14.0 | x | x | x | 0 | 0 | 0 | 11.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|------|------|------|-------|-------|------|-----|-----|-----|
| 1946 | Add Water | 0 | x | x | x | 0 | 0 | 26.0 | 11.0 | 18.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 8.0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 0.5 | 3.7 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 10.0 | 80.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 10.0 | 10.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 69.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 108.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 14.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 93.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 59.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 45.7 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 93.1 | 69.5 | 45.7 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 26.0 | 11.0 | 18.0 | x | x | x | |
| 1947 | Add Water | 0 | x | x | x | 0 | 23.0 | 85.0 | 62.0 | 19.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 8.0 | 71.0 | 16.0 | 58.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0.2 | 19.5 | 1.4 | 18.7 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 134.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 26.5 | 0 | 0.3 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 53.0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 22.8 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 30.2 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 39.0 | 81.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 39.0 | 60.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 20.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 30.2 | 0 | 20.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 23.0 | 85.0 | 62.0 | 19.0 | x | x | x | |
| 1948 | Add Water | 27.0 | x | x | x | 12.0 | 0 | 21.0 | 59.0 | 27.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 8.0 | 0 | 16.0 | 16.0 | 8.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 1.4 | 0.5 | x | x | x |
| | Friant Stor & DD | 44.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 15.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 8.0 | x | x | x | 20.0 | 0 | 9.0 | 45.0 | 53.0 | x | x | x |
| | NM for Vern | 8.0 | x | x | x | 12.0 | 0 | 9.0 | 45.0 | 26.5 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 8.0 | 0 | 0 | 0 | 26.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 22.0 | 119.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 10.9 | 12.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 11.1 | 106.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 8.0 | 0 | 11.1 | 106.4 | 26.5 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 12.0 | 0 | 21.0 | 59.0 | 27.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|-------|-----|-----|-----|-----|-------|-------|-------|------|-----|-----|-----|
| 1949 | Add Water | 27.0 | x | x | x | 0 | 0 | 59.0 | 46.0 | 4.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 21.0 | 16.0 | 20.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 2.1 | 1.4 | 3.7 | x | x | x |
| | Friant Stor & DD | 53.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 21.4 | x | x | x | 0 | 0 | 0 | 0 | 0.3 | x | x | x |
| | From NM | 2.0 | x | x | x | 0 | 0 | 0 | 17.0 | 0 | x | x | x |
| | NM for Vern | 2.0 | x | x | x | 0 | 0 | 0 | 17.0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 55.0 | 117.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 55.0 | 27.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 89.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 64.0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 1.9 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 62.1 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 62.1 | 89.4 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 59.0 | 46.0 | 4.0 | x | x | x | |
| 1950 | Add Water | 26.0 | x | x | x | 0 | 0 | 56.0 | 100.0 | 5.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 8.0 | 16.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 0.5 | 1.4 | x | x | x |
| | Friant Stor & DD | 59.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 22.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 28.0 | 119.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 28.0 | 99.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 19.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 86.0 | 0 | 6.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 26.9 | 0 | 2.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 59.1 | 0 | 3.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 59.1 | 19.5 | 3.4 | x | x | x | |
| Water Generated | 26.0 | x | x | x | 0 | 0 | 56.0 | 100.0 | 5.0 | x | x | x | |
| 1951 | Add Water | 25.0 | x | x | x | 0 | 0 | 107.0 | 143.0 | 33.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 71.0 | 71.0 | 21.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 19.5 | 29.7 | 3.7 | x | x | x |
| | Friant Stor & DD | 107.0 | x | x | x | 0 | 0 | 148.0 | 154.0 | 0 | x | x | x |
| | Friant Oblig at NM | 21.4 | x | x | x | 0 | 0 | 13.5 | 56.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 27.0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 27.0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 47.0 | 57.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 47.0 | 57.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 41.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 29.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 11.7 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 11.7 | x | x | x | |
| Water Generated | 25.0 | x | x | x | 0 | 0 | 107.0 | 143.0 | 33.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|------|------|------|------|-------|-------|-----|-----|-----|
| 1952 | Add Water | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 59.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 4.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1953 | Add Water | 0 | x | x | x | 0 | 0 | 67.0 | 95.0 | 49.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 53.0 | 71.0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 10.3 | 29.7 | 3.7 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 110.0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0.7 | 44.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 33.0 | 2.0 | 39.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 33.0 | 2.0 | 39.0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 23.0 | 19.0 | 102.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 23.0 | 19.0 | 6.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 95.7 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 95.7 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 67.0 | 95.0 | 49.0 | x | x | x | |
| 1954 | Add Water | 23.0 | x | x | x | 21.0 | 0 | 3.0 | 82.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 8.0 | 0 | 8.0 | 8.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0.3 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 67.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 19.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 42.0 | 0 | 29.0 | 101.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 21.0 | 0 | 2.7 | 81.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 21.0 | 0 | 26.3 | 19.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 21.0 | 0 | 26.3 | 19.5 | 0 | x | x | x | |
| Water Generated | 23.0 | x | x | x | 21.0 | 0 | 3.0 | 82.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|------|------|------|-------|-------|------|-----|-----|-----|
| 1955 | Add Water | 25.0 | x | x | x | 36.0 | 33.0 | 31.0 | 44.0 | 9.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 8.0 | 21.0 | 71.0 | 16.0 | 16.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0.8 | 19.5 | 1.4 | 1.4 | x | x | x |
| | Friant Stor & DD | 53.0 | x | x | x | 0 | 0 | 103.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 21.4 | x | x | x | 0 | 0 | 9.5 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 37.0 | 2.0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 36.0 | 2.0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 1.0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 4.0 | 0 | 7.0 | 3.0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 4.0 | 0 | 7.0 | 3.0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 8.0 | 2.0 | 103.0 | 39.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 8.0 | 2.0 | 35.6 | 4.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 67.4 | 34.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 34.0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 15.2 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 18.8 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 1.0 | 18.8 | 0 | 67.4 | 34.4 | x | x | x | |
| Water Generated | 25.0 | x | x | x | 36.0 | 33.0 | 31.0 | 44.0 | 9.0 | x | x | x | |
| 1956 | Add Water | 27.0 | x | x | x | 0 | 0 | 95.0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 21.0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 2.1 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 50.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 18.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 5.0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | NM for Vern | 5.0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 3.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 3.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 73.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 73.0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 23.0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 15.9 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 7.1 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 7.1 | 0 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 95.0 | 0 | 0 | x | x | x | |
| 1957 | Add Water | 0 | x | x | x | 0 | 0 | 77.0 | 86.0 | 44.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 71.0 | 21.0 | 16.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 3.2 | 1.4 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 127.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 56.5 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 82.0 | 57.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 82.0 | 42.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 14.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 1.0 | 60.0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 1.0 | 0.8 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 59.2 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 59.2 | 14.4 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 77.0 | 86.0 | 44.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|------|------|-------|------|-----|-----|-----|
| 1958 | Add Water | 18.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 62.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 14.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 18.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1959 | Add Water | 0 | x | x | x | 0 | 0 | 35.0 | 67.0 | 23.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 71.0 | 63.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 29.7 | 33.3 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 153.0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 22.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 48.0 | 15.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 33.9 | 15.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 14.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 14.1 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 35.0 | 67.0 | 33.3 | x | x | x | |
| 1960 | Add Water | 28.0 | x | x | x | 0 | 0 | 9.0 | 14.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 30.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 24.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 5.0 | 5.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 5.0 | 5.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 67.0 | 67.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 1.9 | 7.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 65.1 | 59.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 65.1 | 59.4 | 0 | x | x | x | |
| Water Generated | 28.0 | x | x | x | 0 | 0 | 9.0 | 14.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|------|------|-------|-------|------|-----|-----|-----|
| 1961 | Add Water | 27.0 | x | x | x | 0 | 0 | 17.0 | 39.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 63.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 26.5 | 0 | x | x | x |
| | Friant Stor & DD | 27.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 23.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 2.0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 2.0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 26.0 | 16.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 13.9 | 16.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 12.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 12.1 | 0 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 17.0 | 43.5 | 0 | x | x | x | |
| 1962 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 85.0 | 8.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 8.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 0.5 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 66.0 | 21.0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 66.0 | 7.5 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 85.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 17.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 67.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 67.4 | 13.5 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 85.0 | 8.0 | x | x | x | |
| 1963 | Add Water | 27.0 | x | x | x | 0 | 44.0 | 0 | 62.0 | 53.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 8.0 | 0 | 8.0 | 8.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0.2 | 0 | 0.5 | 0.5 | x | x | x |
| | Friant Stor & DD | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 22.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 1.0 | x | x | x | 0 | 57.0 | 0 | 240.0 | 74.0 | x | x | x |
| | NM for Vern | 1.0 | x | x | x | 0 | 43.8 | 0 | 61.5 | 52.5 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 13.2 | 0 | 178.5 | 21.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 13.2 | 0 | 178.5 | 21.5 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 44.0 | 0 | 62.0 | 53.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----------------|--------------------|-------|-----|-----|------|------|------|-------|-------|------|-----|-----|-----|
| 1964 | Add Water | 0 | x | x | x | 21.0 | 33.0 | 37.0 | 58.0 | 20.0 | x | x | x |
| | Right # | 0 | x | x | x | 8.0 | 36.0 | 71.0 | 24.0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 6.5 | 19.5 | 8.7 | 3.7 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 92.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 1.5 | 4.5 | 0.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 36.0 | 20.0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 21.0 | 20.0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 15.0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 2.0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 2.0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 1.0 | 13.0 | 49.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 1.0 | 13.0 | 49.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 1.0 | 0 | 0 | 28.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 1.0 | 0 | 0 | 14.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.7 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 15.0 | 0 | 0 | 0 | 13.7 | x | x | x |
| Water Generated | 0 | x | x | x | 21.0 | 33.0 | 37.0 | 58.0 | 20.0 | x | x | x | |
| 1965 | Add Water | 27.0 | x | x | x | 0 | 0 | 14.0 | 137.0 | 33.0 | x | x | x |
| | Right # | (72+) | x | x | x | 0 | 0 | 8.0 | 16.0 | 16.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0.3 | 1.4 | 1.4 | x | x | x |
| | Friant Stor & DD | 20.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 20.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 91.0 | 132.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 13.7 | 132.0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 77.3 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 140.0 | 88.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 3.6 | 31.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 136.4 | 56.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 77.3 | 136.4 | 56.4 | x | x | x |
| Water Generated | 23.6 | x | x | x | 0 | 0 | 14.0 | 137.0 | 33.0 | x | x | x | |
| 1966 | Add Water | 0 | x | x | x | 0 | 0 | 92.0 | 68.0 | 11.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 24.0 | 36.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 7.6 | 8.7 | 10.4 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0.6 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 74.0 | 62.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 74.0 | 62.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 16.0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 16.0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Water Generated | 0 | x | x | x | 0 | 0 | 97.6 | 70.7 | 11.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|
| 1967 | Add Water | 19.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 43.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 13.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 19.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1968 | Add Water | 0 | x | x | x | 0 | 0 | 78.0 | 59.0 | 17.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 71.0 | 24.0 | 57.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 7.6 | 16.1 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 99.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 12.5 | 0 | 0.9 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 23.0 | 24.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 23.0 | 24.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 23.0 | 34.0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 23.0 | 34.0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 78.0 | 65.6 | 17.0 | x | x | x | |
| 1969 | Add Water | 21.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 21.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 17.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 21.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----------------|--------------------|------|-----|-----|------|------|-------|-------|-------|------|-----|-----|-----|
| 1970 | Add Water | 0 | x | x | x | 0 | 0 | 80.0 | 129.0 | 32.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 71.0 | 71.0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 29.7 | 3.7 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 126.0 | 161.0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 58.5 | 5.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 2.0 | 94.0 | 2.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 2.0 | 94.0 | 2.0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 89.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 26.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 62.7 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 62.7 | x | x | x |
| Water Generated | 0 | x | x | x | 0 | 0 | 80.0 | 129.0 | 32.0 | x | x | x | |
| 1971 | Add Water | 11.0 | x | x | x | 0 | 0 | 83.0 | 102.0 | 51.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 71.0 | 71.0 | 16.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 19.5 | 29.7 | 1.4 | x | x | x |
| | Friant Stor & DD | 38.0 | x | x | x | 0 | 0 | 139.0 | 146.0 | 0 | x | x | x |
| | Friant Oblig at NM | 7.4 | x | x | x | 0 | 0 | 56.5 | 9.3 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 7.0 | 63.0 | 60.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 7.0 | 63.0 | 47.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 12.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 12.4 | x | x | x |
| Water Generated | 11.0 | x | x | x | 0 | 0 | 83.0 | 102.0 | 51.0 | x | x | x | |
| 1972 | Add Water | 25.0 | x | x | x | 37.0 | 29.0 | 101.0 | 74.0 | 27.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 8.0 | 8.0 | 71.0 | 16.0 | 63.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0.2 | 19.5 | 1.4 | 33.3 | x | x | x |
| | Friant Stor & DD | 54.0 | x | x | x | 0 | 0 | 94.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 21.4 | x | x | x | 0 | 0 | 61.5 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 43.0 | 31.0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 37.0 | 28.8 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 6.0 | 2.2 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 15.0 | 75.0 | 4.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 15.0 | 72.6 | 4.0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 2.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 5.0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 5.0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 6.0 | 2.2 | 0 | 2.4 | 0 | x | x | x |
| Water Generated | 25.0 | x | x | x | 37.0 | 29.0 | 101.0 | 74.0 | 37.3 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|-----|-------|-------|------|-----|-----|-----|
| 1973 | Add Water | 27.0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0.5 | 0 | x | x | x |
| | Friant Stor & DD | 68.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 14.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 8.0 | x | x | x | 0 | 0 | 0 | 195.0 | 0 | x | x | x |
| | NM for Vern | 8.0 | x | x | x | 0 | 0 | 0 | 15.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 179.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 1.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 1.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 179.5 | 0 | x | x | x | |
| Water Generated | 27.0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x | |
| 1974 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 31.0 | 52.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 16.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0.5 | 1.4 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 156.0 | 16.0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 30.5 | 16.0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 125.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 55.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 34.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 20.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 125.5 | 20.4 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 31.0 | 52.0 | x | x | x | |
| 1975 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 79.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 60.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 60.0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 190.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 16.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 173.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 173.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 79.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|-----|-----|-----|-----|-----|------|-------|-------|-----|-----|-----|-----|
| 1976 | Add Water | 0 | x | x | x | 0 | 0 | 8.0 | 33.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 63.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 7.5 | 26.5 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 3.0 | 2.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 3.0 | 2.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 9.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 9.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 10.5 | 37.5 | 0 | x | x | x | |
| 1977 | Add Water | 0 | x | x | x | 0 | 0 | 30.0 | 45.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | (72+) | (72+) | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 17.6 | 29.7 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 5.0 | 2.0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 5.0 | 2.0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 23.6 | 31.7 | 0 | x | x | x | |
| 1978 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|-----|-----|-----|-----|-----|------|-------|-------|------|-----|-----|-----|
| 1979 | Add Water | 0 | x | x | x | 0 | 0 | 2.0 | 68.0 | 21.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 8.0 | 8.0 | 16.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0.3 | 0.5 | 1.4 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 7.0 | 170.0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 1.7 | 67.5 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 5.3 | 102.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 29.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 19.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 9.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 5.3 | 102.5 | 9.4 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 2.0 | 68.0 | 21.0 | x | x | x | |
| 1980 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1981 | Add Water | 0 | x | x | x | 0 | 0 | 51.0 | 53.0 | 17.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 57.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 1.4 | 16.1 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0.9 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 52.0 | 70.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 49.9 | 50.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 1.0 | 19.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 1.0 | 19.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 51.0 | 53.0 | 17.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----------------|--------------------|------|-----|-----|-----|-----|------|-------|-------|-------|-----|-----|-----|
| 1982 | Add Water | 19.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 49.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 15.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Water Generated | 19.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1983 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1984 | Add Water | 0 | x | x | x | 0 | 0 | 99.0 | 143.0 | 29.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 71.0 | 21.0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 3.2 | 3.7 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 182.0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 39.5 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 40.0 | 138.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 40.0 | 138.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 55.0 | 117.0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.8 | 25.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 53.2 | 91.7 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 53.2 | 91.7 | x | x | x |
| Water Generated | 0 | x | x | x | 0 | 0 | 99.0 | 143.0 | 29.0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|
| 1985 | Add Water | 12.0 | x | x | x | 0 | 0 | 21.0 | 54.0 | 14.0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 53.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 1.4 | 13.8 | x | x | x |
| | Friant Stor & DD | 77.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 6.4 | x | x | x | 0 | 0 | 0 | 0 | 0.2 | x | x | x |
| | From NM | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 77.0 | 78.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 19.9 | 51.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 57.1 | 26.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 57.1 | 26.4 | 0 | x | x | x | |
| Water Generated | 12.0 | x | x | x | 0 | 0 | 21.0 | 54.0 | 14.0 | x | x | x | |
| 1986 | Add Water | 20.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Stor & DD | 72.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 2.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 13.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 13.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 1.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 1.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 20.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1987 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 26.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 29.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 9.1 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0.9 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 15.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 15.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 26.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|------|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|
| 1988 | Add Water | 28.0 | x | x | x | 0 | 0 | 14.0 | 34.0 | 0 | x | x | x |
| | Right # | 71.0 | x | x | x | 0 | 0 | 16.0 | 53.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 12.4 | 0 | x | x | x |
| | Friant Stor & DD | 31.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 24.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 3.0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 3.0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 28.0 | 21.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 9.9 | 21.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 18.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 18.1 | 0 | 0 | x | x | x | |
| Water Generated | 28.0 | x | x | x | 0 | 0 | 14.0 | 34.4 | 0 | x | x | x | |
| 1989 | Add Water | 0 | x | x | x | 0 | 0 | 21.0 | 23.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 3.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 3.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 97.0 | 53.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 16.9 | 21.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 80.1 | 31.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 80.1 | 31.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 21.0 | 23.0 | 0 | x | x | x | |
| 1990 | Add Water | 0 | x | x | x | 0 | 0 | 14.0 | 39.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 51.0 | 53.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 11.9 | 37.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 39.1 | 15.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 39.1 | 15.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 14.0 | 39.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------------|--------------------|-----|-----|-----|-------|-------|-------|-------|-------|-----|-----|-----|-----|
| 1991 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 13.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 3.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 3.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 87.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 8.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 78.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 78.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 13.0 | 0 | x | x | x | |
| 1992 | Add Water | 0 | x | x | x | 0 | 0 | 0 | 26.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 18.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 2.2 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 24.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 24.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 0 | 0 | 0 | 27.2 | 0 | x | x | x | |
| 1993 | Add Water | 0 | x | x | x | 35.0 | 34.0 | 165.0 | 85.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 8.0 | 8.0 | 21.0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0.2 | 2.1 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 475.0 | 322.0 | 42.0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 35.0 | 33.8 | 42.0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 440.0 | 288.2 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 96.0 | 136.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 96.0 | 83.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 52.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 65.0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 6.9 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 58.1 | 0 | 0 | x | x | x |
| Stor avail for DO | 0 | x | x | x | 440.0 | 288.2 | 58.1 | 52.4 | 0 | x | x | x | |
| Water Generated | 0 | x | x | x | 35.0 | 34.0 | 165.0 | 85.0 | 0 | x | x | x | |

Alternative 3
Allocation of "Add Water" for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1994 | Add Water | 0 | x | x | x | 0 | 0 | 3.0 | 16.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 11.0 | 16.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0.3 | 1.4 | 0 | x | x | x |
| | Friant Stor & DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 3.0 | 2.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 2.7 | 2.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0.3 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 34.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 12.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 21.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Stor avail for DO | 0 | x | x | x | 0 | 0 | 0.3 | 21.4 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 3.0 | 16.0 | 0 | x | x | x |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-----|
| 1922 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 349.0 | 183.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 12.9 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 85.8 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.1 | 15.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 5.0 | 0 |
| 1923 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 330.0 | 556.0 | 299.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.8 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 314.3 | 383.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.7 | 172.9 | 70.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1924 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 159.0 | 319.0 | 555.0 | 473.0 | 222.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 61.0 | 8.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 19.9 | 95.0 | 154.9 | 172.6 | 112.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.0 | 54.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 10.3 | 29.7 | 37.5 | 39.1 | 27.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 78.4 | 174.4 | 168.7 | 64.0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 141.8 | 234.4 | 389.3 | 395.3 | 176.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 17.2 | 84.6 | 165.7 | 77.7 | 45.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 7.0 | 8.0 | 8.0 | 6.0 | 0 |
| 1925 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 353.0 | 512.0 | 236.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 261.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.4 | 166.2 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 122.7 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 308.2 | 288.9 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.8 | 223.1 | 7.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 7.0 | 7.0 | 0 |
| 1926 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 685.0 | 733.0 | 386.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.8 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109.0 | 92.0 | 69.0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 183.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 467.9 | 475.1 | 372.0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 217.1 | 257.9 | 14.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1927 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477.0 | 276.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 188.1 | 47.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-----|
| 1928 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 521.0 | 827.0 | 413.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.8 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 113.0 | 69.0 | 66.0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 490.3 | 183.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 487.9 | 731.9 | 369.0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.1 | 95.1 | 44.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1929 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199.0 | 504.0 | 257.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 10.0 | 15.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58.9 | 168.7 | 75.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.4 | 432.3 | 205.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 71.7 | 51.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1930 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 536.0 | 563.0 | 237.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192.0 | 14.0 | 17.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90.1 | 178.3 | 78.1 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 431.3 | 442.9 | 210.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104.7 | 120.1 | 26.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1931 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 156.0 | 157.0 | 425.0 | 424.0 | 290.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 49.0 | 7.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 17.5 | 29.9 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.0 | 62.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 9.3 | 12.4 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 48.3 | 174.4 | 168.7 | 75.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 129.7 | 127.2 | 396.3 | 403.3 | 190.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 26.3 | 29.8 | 28.7 | 20.7 | 99.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 4.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1932 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137.0 | 436.0 | 196.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 112.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 27.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92.4 | 63.4 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 258.6 | 175.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137.0 | 177.4 | 20.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 6.0 | 0 |
| 1933 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 136.0 | 438.0 | 281.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88.1 | 75.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 254.3 | 190.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 136.0 | 183.7 | 90.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 7.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-------|------|-------|-------|-------|-----|
| 1934 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.0 | 479.0 | 450.0 | 226.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 12.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73.0 | 84.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 173.8 | 168.3 | 74.5 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.4 | 413.7 | 424.9 | 189.8 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.6 | 65.3 | 25.1 | 36.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1935 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 520.0 | 233.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 112.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 27.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 96.5 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 209.0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231.1 | 24.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 6.0 | 0 |
| 1936 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 620.0 | 345.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 534.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 85.9 | 116.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1937 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.0 | 651.0 | 344.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 155.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 538.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.0 | 112.9 | 115.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1938 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 58.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 25.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 2.0 | 0 |
| 1939 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 122.0 | 85.0 | 730.0 | 602.0 | 320.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63.0 | 8.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.6 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104.0 | 96.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 442.4 | 195.5 | 99.0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77.1 | 709.3 | 464.1 | 214.3 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 122.0 | 7.9 | 20.7 | 137.9 | 105.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 1.0 | 9.0 | 8.0 | 7.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|
| 1940 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269.0 | 686.0 | 346.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 127.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.8 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 251.3 | 510.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.7 | 175.9 | 117.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1941 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233.0 | 119.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119.6 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.5 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.2 | 84.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208.8 | 115.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.2 | 3.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 4.0 | 0 |
| 1942 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 190.0 | 112.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 26.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 5.5 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 81.7 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.5 | 108.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56.5 | 3.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 3.0 | 0 |
| 1943 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 510.0 | 244.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 221.1 | 15.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 |
| 1944 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 494.0 | 630.0 | 328.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 155.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 417.1 | 526.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.9 | 103.9 | 99.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1945 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.0 | 641.0 | 291.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 181.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 564.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.0 | 76.9 | 62.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|
| 1946 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 397.0 | 555.0 | 244.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 343.1 | 513.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53.9 | 41.9 | 15.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1947 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134.0 | 459.0 | 708.0 | 330.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 287.1 | 468.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134.0 | 171.9 | 239.9 | 101.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 8.0 | 7.0 | 0 |
| 1948 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 410.0 | 299.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 289.9 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120.1 | 70.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 |
| 1949 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 561.0 | 644.0 | 288.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 371.1 | 480.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 189.9 | 163.9 | 59.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1950 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196.0 | 508.0 | 172.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 84.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 492.1 | 115.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196.0 | 15.9 | 56.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 4.0 | 0 |
| 1951 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 392.0 | 703.0 | 210.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 118.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 85.8 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 293.1 | 501.1 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.9 | 201.9 | 42.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 5.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-----|
| 1952 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174.0 | 59.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 19.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 4.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 10.9 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131.5 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.5 | 28.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 2.0 | 0 |
| 1954 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.0 | 250.0 | 708.0 | 153.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107.7 | 172.6 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.8 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.9 | 210.5 | 84.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 221.6 | 484.1 | 115.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.0 | 28.4 | 223.9 | 37.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 5.0 | 8.0 | 4.0 | 0 |
| 1955 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 524.0 | 659.0 | 319.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 211.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 473.1 | 489.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.9 | 169.9 | 90.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1956 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 128.0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.4 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.9 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120.7 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.3 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 |
| 1957 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 544.0 | 168.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 84.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 507.1 | 115.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 36.9 | 52.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 4.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|
| 1958 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 654.0 | 708.0 | 288.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124.0 | 56.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 495.9 | 439.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158.1 | 268.9 | 59.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1960 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 608.0 | 664.0 | 339.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93.0 | 91.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 522.9 | 474.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.1 | 189.9 | 110.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1961 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 552.0 | 719.0 | 372.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.8 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86.0 | 31.0 | 40.0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 490.3 | 183.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 478.9 | 693.9 | 343.0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73.1 | 25.1 | 29.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1962 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242.0 | 654.0 | 283.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 555.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242.0 | 98.9 | 54.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1963 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 380.0 | 101.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 19.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 4.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 10.9 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91.1 | 70.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 2.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-----|
| 1964 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 401.0 | 677.0 | 324.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 346.1 | 482.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54.9 | 194.9 | 95.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1965 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 374.0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.1 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 |
| 1966 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.0 | 607.0 | 666.0 | 274.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125.0 | 92.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 490.9 | 475.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.0 | 116.1 | 190.9 | 45.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 7.0 | 0 |
| 1967 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 580.0 | 641.0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 102.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 471.9 | 485.1 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108.1 | 155.9 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 0 | 0 |
| 1969 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.1 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|
| 1970 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301.0 | 536.0 | 113.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107.7 | 172.6 | 26.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.8 | 39.1 | 5.5 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.9 | 210.5 | 81.7 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 286.6 | 521.1 | 108.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.4 | 14.9 | 4.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 8.0 | 3.0 | 0 |
| 1971 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.0 | 25.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.8 | 14.8 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.4 | 3.5 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.9 | 3.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120.7 | 18.0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.3 | 7.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 1.0 | 0 |
| 1972 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 615.0 | 677.0 | 201.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120.0 | 86.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 85.8 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519.9 | 469.1 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.1 | 207.9 | 33.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |
| 1973 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 421.0 | 598.0 | 119.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.8 | 210.5 | 84.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 397.3 | 535.1 | 115.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 62.9 | 3.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 4.0 | 0 |
| 1974 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.9 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.5 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.6 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|------|-----|-----|-----|-------|-----|-------|-------|-------|-------|-------|-----|
| 1976 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.0 | 690.0 | 489.0 | 34.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58.0 | 7.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 154.9 | 172.6 | 19.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.0 | 49.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 37.5 | 39.1 | 4.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 430.8 | 168.7 | 0.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77.5 | 649.7 | 390.3 | 20.3 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 40.3 | 98.7 | 13.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 9.0 | 8.0 | 2.0 | 0 |
| 1977 | SW (Alt 3) | 0 | 0 | 0 | 0 | 189.0 | 0 | 311.0 | 116.0 | 516.0 | 420.0 | 126.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 9.0 | 0 | 38.0 | 42.0 | 22.0 | 7.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0.6 | 0 | 49.6 | 25.9 | 154.9 | 172.6 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 11.0 | 0 | 1.0 | 0 | 57.0 | 56.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0.5 | 0 | 19.5 | 10.5 | 37.5 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 3.7 | 0 | 203.0 | 0.5 | 173.8 | 168.3 | 56.1 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 24.3 | 0 | 291.6 | 68.4 | 407.7 | 403.9 | 87.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 164.7 | 0 | 19.4 | 47.6 | 108.3 | 16.1 | 38.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 9.0 | 0 | 9.0 | 3.0 | 8.0 | 8.0 | 4.0 | 0 |
| 1978 | SW (Alt 3) | 41.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 443.0 | 189.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.0 | 0 | 0 |
| | From DD | 5.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 12.9 | 0 |
| | From IO | 6.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 85.8 | 0 |
| | Water Generated | 11.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 372.9 | 167.4 | 0 |
| | Proj Obligation | 29.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70.1 | 21.6 | 0 |
| | Cutoff Group | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 5.0 | 0 |
| 1979 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 636.0 | 520.0 | 101.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 19.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 4.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 10.9 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 407.1 | 516.1 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228.9 | 3.9 | 70.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 2.0 | 0 |
| 1980 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223.0 | 75.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119.6 | 19.7 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.5 | 4.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.2 | 10.9 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208.8 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.2 | 44.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 2.0 | 0 |
| 1981 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 699.0 | 639.0 | 206.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105.0 | 92.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 85.8 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 467.9 | 475.1 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231.1 | 163.9 | 38.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|
| 1982 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 191.0 | 495.0 | 0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.4 | 166.2 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 39.1 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 122.7 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139.2 | 288.9 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.8 | 206.1 | 0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 7.0 | 0 | 0 |
| 1985 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275.0 | 763.0 | 655.0 | 261.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 147.0 | 18.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.9 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99.0 | 68.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.4 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67.4 | 460.3 | 210.5 | 113.6 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 244.3 | 732.2 | 451.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.7 | 30.8 | 203.9 | 32.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 9.0 | 8.0 | 7.0 | 0 |
| 1986 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41.0 | 582.0 | 163.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 84.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 115.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41.0 | 293.1 | 47.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 4.0 | 0 |
| 1987 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228.0 | 971.0 | 666.0 | 369.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59.0 | 5.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68.7 | 154.9 | 172.6 | 119.9 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90.0 | 94.0 | 103.0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.7 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.4 | 432.2 | 178.3 | 143.0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 197.1 | 682.1 | 444.9 | 365.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.9 | 288.9 | 221.1 | 3.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 9.0 | 8.0 | 8.0 | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-----------------|-----|-----|-----|-----|------|-----|------|-------|-------|-------|-------|-----|
| 1988 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 505.0 | 608.0 | 332.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 1.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.0 | 91.0 | 61.0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174.9 | 178.3 | 143.0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 431.8 | 442.9 | 323.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 73.2 | 165.1 | 8.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1989 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 527.0 | 579.0 | 166.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106.0 | 0 | 1.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90.1 | 178.3 | 57.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 345.3 | 446.9 | 139.8 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 181.7 | 132.1 | 26.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 8.0 | 5.0 | 0 |
| 1990 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 70.0 | 0 | 427.0 | 614.0 | 282.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.0 | 3.0 | 5.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90.1 | 178.3 | 78.1 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 291.3 | 465.9 | 198.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 70.0 | 0 | 135.7 | 148.1 | 83.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1991 | SW (Alt 3) | 0 | 0 | 0 | 0 | 75.0 | 0 | 0 | 0 | 192.0 | 307.0 | 121.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 166.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0 | 20.2 | 166.2 | 31.5 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 12.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 3.7 | 39.1 | 7.6 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 3.7 | 0 | 0 | 0 | 0.8 | 88.1 | 56.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 21.3 | 0 | 0 | 0 | 187.0 | 254.3 | 87.7 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 53.7 | 0 | 0 | 0 | 5.0 | 52.7 | 33.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 1.0 | 7.0 | 4.0 | 0 |
| 1992 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143.0 | 500.0 | 418.0 | 269.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103.0 | 13.0 | 4.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 154.9 | 172.6 | 115.3 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 45.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 174.4 | 168.7 | 75.2 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129.4 | 366.3 | 390.3 | 190.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.6 | 133.7 | 27.7 | 78.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1993 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 367.0 | 7.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 0 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 0 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.1 | 7.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | (0) | 0 |

Alternative 3
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1994 | SW (Alt 3) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 685.0 | 455.0 | 177.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 81.6 | 0 |
| | From Friant DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104.0 | 96.0 | 0 | 0 |
| | From SJ DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 |
| | From IO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174.4 | 168.7 | 57.8 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 446.3 | 437.3 | 139.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 238.7 | 17.7 | 37.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|----------------------|------|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|
| 1922 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 7.2 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 11.0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0.3 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 13.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 6.7 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 6.3 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 6.3 | 0 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 7.0 | 0 | 0 | x | x | x |
| 1923 | SW (Vernalis) | 0 | x | x | x | 0 | 52.0 | 0 | 39.1 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 12.0 | 0 | 8.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0.2 | 0 | 0.5 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0.0 | 0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 42.0 | 0 | 98.0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 42.0 | 0 | 38.5 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 59.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 5.0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 5.0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 5.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 4.8 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0.2 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0.2 | 0 | 59.5 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 52.0 | 0 | 39.0 | 0 | x | x | x |
| 1924 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 7.0 | 27.0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 59.0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 16.8 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0.0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 4.0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 4.0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 9.0 | 11.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 1.9 | 11.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 7.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 7.1 | 0 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 7.0 | 27.8 | 0 | x | x | x |
| 1925 | SW (Vernalis) | 27.0 | x | x | x | 0 | 0 | 0 | 7.0 | 0 | x | x | x |
| | Right # | 72+ | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0.5 | 0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|----------------------|------|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|
| | From IO(8) | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 25.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 23.4 | x | x | x | 0 | 0 | 0 | 0.0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 147.0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 6.5 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 140.5 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 140.5 | 0 | x | x | x |
| | Water Generated | 27.0 | x | x | x | 0 | 0 | 0 | 7.0 | 0 | x | x | x |
| 1926 | SW (Vernalis) | 10.3 | x | x | x | 0 | 32.0 | 0 | 18.0 | 8.0 | x | x | x |
| | Right # | 72.0 | x | x | x | 0 | 8.0 | 0 | 21.0 | 24.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0.2 | 0 | 3.2 | 9.2 | x | x | x |
| | From IO(8) | 6.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 6.7 | x | x | x | 0 | 0.0 | 0 | 0.0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 47.0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 31.8 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 15.2 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 5.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 5.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 128.0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 9.8 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 118.2 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 15.2 | 0 | 118.2 | 0 | x | x | x |
| | Water Generated | 10.3 | x | x | x | 0 | 32.0 | 0 | 18.0 | 9.2 | x | x | x |
| 1927 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 3.1 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 8.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0.5 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 21.0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 2.5 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 18.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 18.5 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 3.0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|------|-----|-----|-----|-----|------|------|------|-----|-----|-----|---|
| 1928 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 5.0 | 74.0 | 2.0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 8.0 | 16.0 | 18.0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0.3 | 1.4 | 2.5 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0.0 | 0.0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 17.0 | 70.0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 4.7 | 70.0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 12.3 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 78.0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 2.6 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 75.4 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 12.3 | 75.4 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 5.0 | 74.0 | 2.5 | x | x | x | |
| | 1929 | SW (Vernalis) | 8.0 | x | x | x | 0 | 0 | 0 | 20.0 | 0 | x | x | x |
| | | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| From IO(8) | | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 2.4 | x | x | x | 0 | 0 | 0 | 0.0 | 0 | x | x | x | |
| From Melones | | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 6.0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 6.0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 21.0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 12.6 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 8.4 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 8.4 | 0 | x | x | x | |
| Water Generated | | 8.0 | x | x | x | 0 | 0 | 0 | 20.0 | 0 | x | x | x | |
| 1930 | | SW (Vernalis) | 24.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 26.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 17.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 24.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|---|
| 1931 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 17.0 | 25.0 | 0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 53.0 | 0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 7.5 | 12.4 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 13.0 | 13.0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 13.0 | 13.0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 20.5 | 25.4 | 0 | x | x | x | |
| | 1932 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1933 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 23.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 16.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.4 | x | x | x |
| | | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0.0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 4.0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 4.0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 87.0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 17.6 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 69.4 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 69.4 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 23.0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|---|
| 1934 | SW (Vernalis) | 15.5 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 5.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 25.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 11.9 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 15.5 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1935 | SW (Vernalis) | 17.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From IO(8) | 5.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 28.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 13.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 17.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1936 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 10.2 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 8.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0.5 | x | x | x |
| | | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 56.0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 9.5 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 46.5 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 46.5 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 10.0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|---|
| 1937 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1938 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1939 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 12.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 53.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.8 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.8 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|---|
| 1940 | SW (Vernalis) | 20.6 | x | x | x | 0 | 0 | 0 | 0 | 91.0 | x | x | x | |
| | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 21.0 | x | x | x | |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 3.7 | x | x | x | |
| | From IO(8) | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 33.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 9.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 18.0 | x | x | x |
| | McClure for Vern | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 18.0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 142.0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 69.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 72.7 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 72.7 | x | x | x |
| | Water Generated | 20.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | 91.0 | x | x | x |
| | 1941 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1942 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|-----|---|
| 1943 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 30.8 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 17.0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.4 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 30.0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 30.0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 31.4 | x | x | x | |
| | 1944 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 20.9 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 130.0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 19.6 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 110.4 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 110.4 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 21.0 | 0 | x | x | x | |
| 1945 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------|----------------------|---------------|------|-----|-----|------|------|------|-------|------|------|-----|-----|
| 1946 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 18.0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 3.7 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 59.0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 45.7 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 45.7 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 18.0 | x | x | x |
| | 1947 | SW (Vernalis) | 0 | x | x | x | 0 | 23.0 | 25.0 | 7.0 | 19.0 | x | x |
| Right # | | 0 | x | x | x | 0 | 8.0 | 16.0 | 16.0 | 59.0 | x | x | x |
| From DD | | 0 | x | x | x | 0 | 0.2 | 1.1 | 1.4 | 19.8 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0.0 | 0.0 | 0.0 | 0 | x | x | x |
| From Melones | | 0 | x | x | x | 0 | 53.0 | 0 | 0 | 0 | x | x | x |
| Melones for Vern | | 0 | x | x | x | 0 | 22.8 | 0 | 0 | 0 | x | x | x |
| NM avail for FOv | | 0 | x | x | x | 0 | 30.2 | 0 | 0 | 0 | x | x | x |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From McClure | | 0 | x | x | x | 0 | 0 | 39.0 | 81.0 | 0 | x | x | x |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 23.9 | 5.6 | 0 | x | x | x |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 15.1 | 75.4 | 0 | x | x | x |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Storage avail for DO | | 0 | x | x | x | 0 | 30.2 | 15.1 | 75.4 | 0 | x | x | x |
| Water Generated | | 0 | x | x | x | 0 | 23.0 | 25.0 | 7.0 | 19.8 | x | x | x |
| 1948 | | SW (Vernalis) | 12.0 | x | x | x | 1.0 | 0 | 0 | 59.0 | 27.0 | x | x |
| | Right # | 66.0 | x | x | x | 8.0 | 0 | 0 | 16.0 | 8.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 1.4 | 0.5 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0.4 | x | x | x | 0 | 0 | 0 | 0.0 | 0.0 | x | x | x |
| | From Melones | 8.0 | x | x | x | 20.0 | 0 | 0 | 45.0 | 53.0 | x | x | x |
| | Melones for Vern | 8.0 | x | x | x | 1.0 | 0 | 0 | 45.0 | 26.5 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 19.0 | 0 | 0 | 0 | 26.5 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 119.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 12.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 106.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 19.0 | 0 | 0 | 106.4 | 26.5 | x | x | x |
| | Water Generated | 12.0 | x | x | x | 1.0 | 0 | 0 | 59.0 | 27.0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------|----------------------|---------------|------|-----|-----|-----|-----|------|-------|-------|------|-----|-----|
| 1949 | SW (Vernalis) | 12.0 | x | x | x | 0 | 0 | 22.0 | 0 | 4.0 | x | x | x |
| | Right # | 72+ | x | x | x | 0 | 0 | 16.0 | 0 | 20.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0 | 1.1 | 0 | 3.7 | x | x | x |
| | From IO(8) | 5.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 34.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 6.4 | x | x | x | 0 | 0 | 0.0 | 0 | 0.3 | x | x | x |
| | From Melones | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 55.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 20.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 34.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 34.1 | 0 | 0 | x | x | x |
| | Water Generated | 12.0 | x | x | x | 0 | 0 | 22.0 | 0 | 4.0 | x | x | x |
| | 1950 | SW (Vernalis) | 12.8 | x | x | x | 0 | 0 | 17.0 | 31.0 | 5.0 | x | x |
| Right # | | 72+ | x | x | x | 0 | 0 | 8.0 | 8.0 | 16.0 | x | x | x |
| From DD | | 3.6 | x | x | x | 0 | 0 | 0.3 | 0.5 | 1.4 | x | x | x |
| From IO(8) | | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 33.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Friant Oblig at NM | | 9.2 | x | x | x | 0 | 0 | 0.0 | 0.0 | 0.0 | x | x | x |
| From Melones | | 0 | x | x | x | 0 | 0 | 28.0 | 119.0 | 0 | x | x | x |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 16.7 | 30.5 | 0 | x | x | x |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 11.3 | 88.5 | 0 | x | x | x |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 6.0 | x | x | x |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 3.6 | x | x | x |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 2.4 | x | x | x |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 11.3 | 88.5 | 2.4 | x | x | x |
| Water Generated | | 12.8 | x | x | x | 0 | 0 | 17.0 | 31.0 | 5.0 | x | x | x |
| 1951 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 78.0 | 143.0 | 33.0 | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 72+ | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 7.5 | 29.7 | 3.7 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 39.0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 104.0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 56.3 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 27.0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 27.0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 47.0 | 57.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 47.0 | 57.0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 41.0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 29.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 11.7 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 11.7 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 81.5 | 143.0 | 33.0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|------|-----|-----|-----|-----|------|------|-------|------|-----|-----|---|
| 1952 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1953 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 33.0 | 95.0 | 49.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 72+ | 21.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 29.7 | 3.7 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 28.0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 96.0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0.0 | 44.3 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 33.0 | 2.0 | 39.0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 31.9 | 2.0 | 39.0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 1.1 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 19.0 | 102.0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 19.0 | 6.3 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 95.7 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 1.1 | 0 | 95.7 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 33.0 | 95.0 | 49.0 | x | x | x | |
| 1954 | | SW (Vernalis) | 0.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 53.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 1.2 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 1.2 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------|----------------------|---------------|------|-----|-----|------|------|------|------|------|------|-----|-----|
| 1955 | SW (Vernalis) | 11.0 | x | x | x | 6.8 | 33.0 | 0 | 0 | 9.0 | x | x | x |
| | Right # | 72+ | x | x | x | 8.0 | 21.0 | 0 | 0 | 16.0 | x | x | x |
| | From DD | 3.6 | x | x | x | 0 | 0.8 | 0 | 0 | 1.4 | x | x | x |
| | From IO(8) | 5.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 33.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 7.4 | x | x | x | 0 | 0 | 0 | 0 | 0.0 | x | x | x |
| | From Melones | 0 | x | x | x | 37.0 | 2.0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 7.0 | 2.0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 30.0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 4.0 | 0 | 0 | 3.0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 4.0 | 0 | 0 | 3.0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 8.0 | 0 | 0 | 46.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 8.0 | 0 | 0 | 4.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 41.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 34.0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 15.2 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 18.8 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 30.0 | 18.8 | 0 | 0 | 41.4 | x | x | x |
| | Water Generated | 11.0 | x | x | x | 7.0 | 33.0 | 0 | 0 | 9.0 | x | x | x |
| | 1956 | SW (Vernalis) | 17.6 | x | x | x | 0 | 0 | 20.2 | 0 | 0 | x | x |
| Right # | | 72+ | x | x | x | 0 | 0 | 16.0 | 0 | 0 | x | x | x |
| From DD | | 3.6 | x | x | x | 0 | 0 | 1.1 | 0 | 0 | x | x | x |
| From IO(8) | | 6.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 30.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Friant Oblig at NM | | 9.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Melones | | 5.0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| Melones for Vern | | 5.0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Hensley | | 0 | x | x | x | 0 | 0 | 3.0 | 0 | 0 | x | x | x |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 3.0 | 0 | 0 | x | x | x |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Eastman | | 0 | x | x | x | 0 | 0 | 8.0 | 0 | 0 | x | x | x |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 8.0 | 0 | 0 | x | x | x |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From McClure | | 0 | x | x | x | 0 | 0 | 73.0 | 0 | 0 | x | x | x |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 6.9 | 0 | 0 | x | x | x |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Water Generated | | 17.6 | x | x | x | 0 | 0 | 20.0 | 0 | 0 | x | x | x |
| 1957 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 8.0 | 17.0 | 13.7 | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 24.0 | 16.0 | 16.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 7.5 | 1.4 | 1.4 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0.5 | 0.0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 82.0 | 57.0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 15.6 | 12.6 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 66.4 | 44.4 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 1.0 | 66.4 | 44.4 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 8.0 | 17.0 | 14.0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|---|
| 1958 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1959 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 23.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 63.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 33.3 | x | x | x |
| | | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 33.3 | x | x | x | |
| 1960 | | SW (Vernalis) | 28.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From IO(8) | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 26.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 24.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 28.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|---|
| 1961 | SW (Vernalis) | 26.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 24.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 22.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 26.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1962 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1963 | | SW (Vernalis) | 0 | x | x | x | 0 | 42.0 | 0 | 0 | 2.4 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 8.0 | 0 | 0 | 8.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0.2 | 0 | 0 | 0.5 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0.0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 57.0 | 0 | 0 | 74.0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 41.8 | 0 | 0 | 1.5 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 15.2 | 0 | 0 | 72.5 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 15.2 | 0 | 0 | 72.5 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 42.0 | 0 | 0 | 2.0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------|----------------------|---------------|------|-----|-----|------|------|------|-------|------|------|-----|-----|
| 1964 | SW (Vernalis) | 0 | x | x | x | 18.0 | 33.0 | 0 | 19.0 | 20.0 | x | x | x |
| | Right # | 0 | x | x | x | 8.0 | 48.0 | 0 | 16.0 | 21.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 8.0 | 0 | 1.4 | 3.7 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0.0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 36.0 | 20.0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 18.0 | 20.0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 18.0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 2.0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 2.0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 3.0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 1.0 | 0 | 49.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 1.0 | 0 | 17.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 31.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 1.0 | 0 | 0 | 28.0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 1.0 | 0 | 0 | 14.3 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 13.7 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 18.0 | 0 | 0 | 31.4 | 13.7 | x | x | x |
| | Water Generated | 0 | x | x | x | 18.0 | 33.0 | 0 | 19.0 | 20.0 | x | x | x |
| | 1965 | SW (Vernalis) | 27.0 | x | x | x | 0 | 0 | 0 | 98.9 | 0 | x | x |
| Right # | | 72+ + | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| From DD | | 3.6 | x | x | x | 0 | 0 | 0 | 0.5 | 0 | x | x | x |
| From IO(8) | | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 17.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Friant Oblig at NM | | 20.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 132.0 | 0 | x | x | x |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 98.5 | 0 | x | x | x |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 33.5 | 0 | x | x | x |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 33.5 | 0 | x | x | x |
| Water Generated | | 23.6 | x | x | x | 0 | 0 | 0 | 99.0 | 0 | x | x | x |
| 1966 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 20.0 | 0 | 11.0 | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 0 | 47.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 0 | 11.2 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0.0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 74.0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 18.9 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 55.1 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 55.1 | 0 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 20.0 | 0 | 11.2 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|------|-----|-----|-----|-----|------|------|------|------|-----|-----|---|
| 1967 | SW (Vernalis) | 9.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 3.5 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 4.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 3.5 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 9.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1968 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 31.0 | 35.0 | 17.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 21.0 | 21.0 | 58.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 2.1 | 3.2 | 18.7 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0.0 | 0.0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 23.0 | 24.0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 23.0 | 24.0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 23.0 | 34.0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 5.9 | 7.8 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 17.1 | 26.2 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 17.1 | 26.2 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 31.0 | 35.0 | 18.7 | x | x | x | |
| 1969 | | SW (Vernalis) | 21.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 17.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 17.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 21.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|------|-----|-----|------|------|------|-------|------|------|-----|-----|---|
| 1970 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 78.0 | 120.5 | 32.0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 72+ | 63.0 | 21.0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 26.5 | 3.7 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 27.0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 91.0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 56.5 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 2.0 | 94.0 | 2.0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 2.0 | 94.0 | 2.0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 89.0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 26.3 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 62.7 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 62.7 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 78.0 | 120.5 | 32.0 | x | x | x | |
| | 1971 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 51.0 | 88.0 | 51.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 71.0 | 63.0 | 16.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 26.5 | 1.4 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 22.0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 7.5 | 0 | 0.0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 1.0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 7.0 | 63.0 | 60.0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 7.0 | 63.0 | 47.6 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 12.4 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 17.0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 17.0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 12.4 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 51.0 | 89.5 | 51.0 | x | x | x | |
| 1972 | | SW (Vernalis) | 15.2 | x | x | x | 8.8 | 29.0 | 54.0 | 47.0 | 27.0 | x | x | x |
| | | Right # | 72+ | x | x | x | 8.0 | 8.0 | 72+ | 16.0 | 63.0 | x | x | x |
| | | From DD | 3.6 | x | x | x | 0 | 0.2 | 19.5 | 1.4 | 33.3 | x | x | x |
| | From IO(8) | 6.0 | x | x | x | 0 | 0 | 7.0 | 0 | 0 | x | x | x | |
| | From IO(9) | 33.0 | x | x | x | 0 | 0 | 83.0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 11.6 | x | x | x | 0 | 0.0 | 14.5 | 0.0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 43.0 | 31.0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 9.0 | 28.8 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 34.0 | 2.2 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 15.0 | 75.0 | 4.0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 15.0 | 45.6 | 4.0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 29.4 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 5.0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 5.0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 34.0 | 2.2 | 0 | 29.4 | 0 | x | x | x | |
| | Water Generated | 15.2 | x | x | x | 9.0 | 29.0 | 54.0 | 47.0 | 37.3 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 1973 | SW (Vernalis) | 1.7 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 0.1 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 1.9 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 6.1 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 6.1 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 2.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1974 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1975 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|------|-------|-------|-----|-----|-----|---|
| 1976 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 33.0 | 0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 63.0 | 0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 26.5 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 2.0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 2.0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 9.0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 9.0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 37.5 | 0 | x | x | x | |
| | 1977 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 26.0 | 45.0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 72+ + | 72+ + | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 19.5 | 29.7 | 0 | x | x | x |
| | | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 4.0 | 0 | x | x | x |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 4.0 | 2.0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 4.0 | 6.0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 1.0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 24.5 | 35.7 | 0 | x | x | x | |
| 1978 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|
| 1979 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | 1980 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x |
| Right # | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From DD | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1981 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 19.0 | 17.0 | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 58.0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 18.7 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0.0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 70.0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 16.6 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 53.4 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 53.4 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 19.0 | 18.7 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|------|-------|-------|------|-----|-----|---|
| 1982 | SW (Vernalis) | 10.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 6.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 6.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 10.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1983 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1984 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 57.0 | 111.7 | 29.0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 63.0 | 16.0 | 21.0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 17.7 | 1.4 | 3.7 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 40.0 | 138.0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 40.0 | 110.6 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 27.4 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 117.0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 25.3 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 91.7 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 27.4 | 91.7 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 57.7 | 112.0 | 29.0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|---|
| 1985 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 14.0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 56.0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 14.5 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 14.5 | x | x | x |
| | 1986 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1987 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 1988 | SW (Vernalis) | 23.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 3.6 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 3.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 28.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 19.4 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 23.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1989 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| 1990 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|----------------------|----------------------|---------------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|---|
| 1991 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | 1992 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 22.0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 0 | 1.4 | 0 | x | x | x |
| From IO(8) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From IO(9) | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Friant Oblig at NM | | 0 | x | x | x | 0 | 0 | 0 | 0.0 | 0 | x | x | x | |
| From Melones | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Melones for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| NM avail for FOv | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Hensley | | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x | |
| Hensley for Vern | | 0 | x | x | x | 0 | 0 | 0 | 1.0 | 0 | x | x | x | |
| Hensley for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From Eastman | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Eastman for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| From McClure | | 0 | x | x | x | 0 | 0 | 0 | 24.0 | 0 | x | x | x | |
| McClure for Vern | | 0 | x | x | x | 0 | 0 | 0 | 19.6 | 0 | x | x | x | |
| McClure for DO | | 0 | x | x | x | 0 | 0 | 0 | 4.4 | 0 | x | x | x | |
| From Don Pedro | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for Vern | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Don Pedro for DO | | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| Storage avail for DO | | 0 | x | x | x | 0 | 0 | 0 | 4.4 | 0 | x | x | x | |
| Water Generated | | 0 | x | x | x | 0 | 0 | 0 | 22.0 | 0 | x | x | x | |
| 1993 | | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 84.8 | 0 | 0 | x | x | x |
| | | Right # | 0 | x | x | x | 0 | 0 | 16.0 | 0 | 0 | x | x | x |
| | | From DD | 0 | x | x | x | 0 | 0 | 1.1 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Melones | 0 | x | x | x | 0 | 0 | 42.0 | 0 | 0 | x | x | x | |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 42.0 | 0 | 0 | x | x | x | |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Hensley | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x | |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x | |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Eastman | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x | |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 9.0 | 0 | 0 | x | x | x | |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From McClure | 0 | x | x | x | 0 | 0 | 96.0 | 0 | 0 | x | x | x | |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 23.9 | 0 | 0 | x | x | x | |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x | |
| | Water Generated | 0 | x | x | x | 0 | 0 | 85.0 | 0 | 0 | x | x | x | |

Alternative 4
Allocation of Supplemental Water for Vernalis Objective

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1994 | SW (Vernalis) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Right # | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From DD | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(8) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From IO(9) | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Friant Oblig at NM | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Melones | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Melones for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | NM avail for FOv | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Hensley | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Hensley for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Eastman | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Eastman for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From McClure | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | McClure for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | From Don Pedro | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for Vern | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Don Pedro for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Storage avail for DO | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| | Water Generated | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-----|
| 1922 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 349.9 | 255.8 | 5.9 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61.0 | 27.0 | 5.9 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | (0) |
| 1923 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325.2 | 585.0 | 374.8 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.8 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 314.3 | 459.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 125.9 | 145.9 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1924 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 13.9 | 159.0 | 319.0 | 571.0 | 521.0 | 239.7 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 94.0 | 47.0 | 8.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 19.9 | 98.6 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 10.3 | 29.7 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 161.6 | 174.4 | 168.7 | 75.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 27.0 | 44.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 139.8 | 310.2 | 364.3 | 385.3 | 190.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 13.9 | 19.2 | 8.8 | 206.7 | 135.7 | 49.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | (0) | 4.0 | 8.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1925 | SW (Alt4) | 6.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 372.5 | 577.0 | 273.0 | 5.6 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 261.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.4 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 308.2 | 444.1 | 228.9 | 0 |
| | Proj Obligation | 6.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64.3 | 132.9 | 44.1 | 5.6 |
| | Cutoff Group | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 7.0 | (0) |
| 1926 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 753.7 | 811.6 | 417.7 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63.0 | 72.0 | 29.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 434.4 | 455.1 | 332.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 319.3 | 356.5 | 85.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1927 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 566.5 | 353.8 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 482.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.3 | 125.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-----|
| 1928 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 591.0 | 896.1 | 433.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 490.3 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65.0 | 63.0 | 19.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61.0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 439.9 | 786.9 | 322.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151.1 | 109.2 | 111.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1929 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208.0 | 551.6 | 301.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 10.0 | 15.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58.9 | 168.7 | 75.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.4 | 395.3 | 205.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.6 | 156.3 | 95.8 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1930 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 587.0 | 613.3 | 267.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192.0 | 14.0 | 17.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175.1 | 178.3 | 78.1 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47.0 | 46.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 569.0 | 410.9 | 210.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 202.3 | 56.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1931 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 22.2 | 156.0 | 157.0 | 445.0 | 475.5 | 310.7 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 49.0 | 7.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 29.9 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 9.3 | 12.3 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 48.3 | 174.4 | 168.7 | 137.4 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 47.0 | 19.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 129.8 | 127.2 | 367.3 | 388.3 | 276.3 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 22.2 | 26.2 | 29.8 | 77.7 | 87.2 | 34.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | (0) | 3.0 | 4.0 | 8.0 | 8.0 | 8.0 | 0 |
| 1932 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.8 | 500.2 | 245.9 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 178.3 | 78.1 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 446.9 | 193.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.8 | 53.3 | 52.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1933 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150.4 | 484.9 | 337.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168.7 | 137.4 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.0 | 52.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 384.3 | 309.3 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150.4 | 100.5 | 28.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|------|------|------|-------|-------|-------|-----|
| 1934 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 22.0 | 0 | 85.0 | 492.0 | 512.1 | 261.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 12.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 173.8 | 168.3 | 74.5 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.0 | 57.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.4 | 373.7 | 397.9 | 189.8 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 22.0 | 0 | 18.6 | 118.3 | 114.2 | 71.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1935 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 625.0 | 317.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 484.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140.9 | 88.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1936 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 720.5 | 412.6 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0 | 69.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 483.1 | 372.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 237.3 | 40.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 0 |
| 1937 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.6 | 751.5 | 422.1 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102.0 | 79.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 485.1 | 382.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.6 | 266.4 | 40.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 0 |
| 1938 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.4 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.6 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 |
| 1939 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 54.0 | 47.0 | 788.8 | 677.8 | 368.6 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 442.4 | 195.5 | 168.7 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54.0 | 69.0 | 45.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91.0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 750.3 | 437.1 | 333.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 54.0 | 47.0 | 38.5 | 240.7 | 35.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | (0) | (0) | 9.0 | 8.0 | 8.0 | 0 |
| 1940 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269.9 | 781.4 | 406.4 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129.0 | 0 | 0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|------|
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.5 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.8 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88.0 | 55.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 251.3 | 471.1 | 358.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.6 | 310.3 | 48.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 8.0 | 0 |
| 1941 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 195.5 | 189.4 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 81.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.0 | 12.9 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 85.8 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130.5 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65.1 | 22.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 5.0 | 0 |
| 1942 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.1 | 187.6 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 81.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.0 | 12.9 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 85.8 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.5 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.6 | 20.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 5.0 | 0 |
| 1943 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 596.4 | 302.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 475.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121.3 | 73.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1944 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 528.3 | 646.0 | 336.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 155.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.0 | 31.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 417.1 | 433.1 | 334.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111.2 | 212.9 | 1.9 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 8.0 | 0 |
| 1945 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.1 | 696.9 | 357.4 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 472.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.1 | 224.7 | 128.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|
| 1946 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 422.2 | 637.5 | 297.9 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 343.1 | 463.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.1 | 174.3 | 69.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1947 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134.0 | 516.4 | 779.7 | 365.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53.0 | 66.0 | 33.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 430.9 | 449.1 | 336.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134.0 | 85.5 | 330.6 | 29.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1948 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 504.0 | 304.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 471.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.9 | 75.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1949 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 605.9 | 712.2 | 298.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61.0 | 63.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 522.9 | 446.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 266.1 | 69.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1950 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 234.9 | 580.1 | 223.4 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 193.0 | 3.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.1 | 172.6 | 112.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 39.1 | 27.1 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 210.5 | 96.5 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 216.4 | 452.1 | 209.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 128.0 | 14.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.0 | 6.0 | 0 |
| 1951 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 469.9 | 784.7 | 208.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 81.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 85.8 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81.0 | 75.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 464.9 | 458.1 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 326.6 | 40.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|------|---|
| 1952 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82.7 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| 1953 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233.0 | 101.7 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119.6 | 19.7 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.4 | 4.7 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.2 | 10.9 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209.8 | 30.6 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.2 | 71.0 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 2.0 | 0 | |
| 1954 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.0 | 303.6 | 786.0 | 206.6 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 81.6 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 12.9 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 85.8 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 298.1 | 455.1 | 167.4 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.0 | 5.5 | 330.8 | 39.2 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 8.0 | 5.0 | 0 | |
| 1955 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 553.0 | 726.2 | 358.6 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 119.9 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 183.2 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.0 | 36.0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 480.1 | 445.1 | 339.1 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72.9 | 281.1 | 19.5 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 8.0 | 0 | |
| 1956 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107.5 | 66.1 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.9 | 19.7 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 4.7 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.5 | 10.9 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38.4 | 30.6 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.1 | 35.4 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 2.0 | 0 | |
| 1957 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 628.6 | 241.4 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 462.1 | 228.9 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 166.4 | 12.5 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 | |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|------|-------------------|-----|-----|-----|-----|-----|------|-----|-----|-------|-------|-------|------|---|
| 1958 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.4 | 67.7 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.4 | 37.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 2.0 | 0 |
| 1959 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 14.4 | 0 | 0 | 713.4 | 790.5 | 316.2 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 490.3 | 113.6 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55.0 | 75.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 426.9 | 787.9 | 228.9 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 14.4 | 0 | 0 | 286.5 | 2.5 | 87.3 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 0 | 8.0 | 9.0 | 7.0 | 0 | |
| 1960 | SW (Alt4) | 4.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 656.7 | 695.0 | 370.0 | 2.0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 183.2 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.0 | 44.0 | 34.0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 474.9 | 427.1 | 337.1 | 0 | |
| | Proj Obligation | 4.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 181.8 | 267.9 | 32.9 | 2.0 | |
| | Cutoff Group | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 8.0 | (0) | |
| 1961 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 596.0 | 780.2 | 385.9 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 490.3 | 183.2 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.0 | 56.0 | 13.0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 434.9 | 746.9 | 316.1 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 161.1 | 33.2 | 69.8 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 | |
| 1962 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141.6 | 725.6 | 364.3 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 473.1 | 228.9 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141.6 | 252.4 | 135.4 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 | |
| 1963 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 376.2 | 165.8 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 31.4 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 7.6 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 84.2 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 115.6 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.3 | 50.2 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 4.0 | 0 | |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-----|
| 1964 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 444.0 | 763.6 | 379.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149.2 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.9 | 210.5 | 183.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.0 | 51.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 346.1 | 462.1 | 354.1 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97.9 | 301.4 | 25.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 8.0 | 0 |
| 1965 | SW (Alt4) | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 404.2 | 51.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 30.6 | 0 |
| | Proj Obligation | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115.3 | 20.9 | 0 |
| | Cutoff Group | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 2.0 | 0 |
| 1966 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 665.6 | 754.8 | 308.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54.0 | 81.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 419.9 | 464.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 245.7 | 290.7 | 79.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 7.0 | 0 |
| 1967 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| 1968 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 632.3 | 718.8 | 48.4 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48.0 | 71.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 423.9 | 454.1 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208.4 | 264.7 | 17.8 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 2.0 | 0 |
| 1969 | SW (Alt4) | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.7 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.6 | 0 |
| | Proj Obligation | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.1 | 0 |
| | Cutoff Group | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|
| 1970 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 345.0 | 608.0 | 173.1 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 146.3 | 172.6 | 81.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.3 | 39.1 | 12.9 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92.1 | 210.5 | 85.8 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 339.4 | 453.1 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.6 | 154.9 | 5.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 8.0 | 5.0 | 0 |
| 1971 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185.4 | 42.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130.5 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54.9 | 11.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 2.0 | 0 |
| 1972 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 621.0 | 755.0 | 234.1 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.0 | 72.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 441.9 | 455.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179.1 | 299.8 | 5.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1973 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 367.1 | 696.5 | 199.4 | 7.2 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.4 | 172.6 | 81.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 39.1 | 12.9 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 210.5 | 85.8 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 322.2 | 481.1 | 167.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.9 | 215.4 | 32.0 | 7.2 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 5.0 | 0 |
| 1974 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82.9 | 68.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.9 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.5 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38.4 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.5 | 37.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 2.0 | 0 |
| 1975 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173.9 | 69.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.1 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130.5 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 38.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 2.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|------|-----|-----|-----|-------|------|-------|-------|-------|-------|-------|-----|
| 1976 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88.0 | 737.4 | 547.4 | 56.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58.0 | 7.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 154.9 | 172.6 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 | 37.5 | 39.1 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 430.8 | 210.5 | 0.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.0 | 53.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.4 | 686.7 | 436.1 | 20.3 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 50.7 | 111.3 | 36.2 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 9.0 | 8.0 | 2.0 | 0 |
| 1977 | SW (Alt4) | 4.6 | 0 | 0 | 0 | 190.1 | 34.5 | 311.0 | 118.0 | 516.0 | 410.0 | 133.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 9.0 | 9.0 | 34.0 | 42.0 | 22.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0.6 | 12.2 | 49.6 | 25.9 | 154.9 | 172.6 | 31.4 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0.6 | 13.1 | 19.4 | 10.4 | 37.5 | 39.1 | 7.6 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 3.7 | 3.1 | 203.0 | 0.5 | 173.8 | 168.3 | 57.7 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 10.0 | 0 | 4.0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 24.3 | 24.3 | 290.6 | 68.4 | 357.7 | 347.9 | 89.1 | 0 |
| | Proj Obligation | 4.6 | 0 | 0 | 0 | 165.7 | 10.2 | 20.4 | 49.6 | 158.3 | 62.1 | 43.9 | 0 |
| | Cutoff Group | (0) | 0 | 0 | 0 | 9.0 | 7.0 | 9.0 | 3.0 | 8.0 | 8.0 | 5.0 | 0 |
| 1978 | SW (Alt4) | 41.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 369.8 | 218.7 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 0 | 0 |
| | From DD | 5.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119.6 | 112.6 | 0 |
| | From DD - SJ | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.4 | 27.1 | 0 |
| | From IO Sac | 6.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101.3 | 96.5 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 11.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 303.9 | 209.1 | 0 |
| | Proj Obligation | 29.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65.9 | 9.6 | 0 |
| | Cutoff Group | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 6.0 | 0 |
| 1979 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627.9 | 617.1 | 168.1 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 31.4 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 7.6 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 84.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 94.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600.9 | 477.1 | 115.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 140.0 | 52.5 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 4.0 | 0 |
| 1980 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145.0 | 118.6 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 31.4 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.0 | 7.6 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.1 | 84.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130.5 | 115.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.5 | 3.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 4.0 | 0 |
| 1981 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 741.0 | 708.7 | 255.8 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198.0 | 210.5 | 113.6 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.0 | 64.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 407.9 | 447.1 | 228.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 333.1 | 261.6 | 27.0 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-------|--------|-------|-------|------|---|
| 1982 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28.3 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.8 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.5 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.2 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| 1983 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1984 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208.8 | 572.1 | 67.6 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.4 | 172.6 | 19.7 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.2 | 39.1 | 4.7 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 210.5 | 10.9 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139.2 | 467.1 | 30.6 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.7 | 104.9 | 37.0 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 2.0 | 0 | |
| 1985 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 267.0 | 823.7 | 726.1 | 293.9 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199.0 | 18.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 154.9 | 172.6 | 115.3 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 | 37.5 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.5 | 460.3 | 210.5 | 113.6 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56.0 | 65.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 232.4 | 776.2 | 448.1 | 228.9 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.6 | 47.5 | 278.0 | 65.1 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 | |
| 1986 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 591.8 | 249.0 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172.6 | 115.3 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210.5 | 113.6 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103.0 | 0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 486.1 | 228.9 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105.7 | 20.1 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 | |
| 1987 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167.0 | 1015.0 | 743.8 | 420.1 | 0 | |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.0 | 5.0 | 0 | 0 | 0 | |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.9 | 154.9 | 172.6 | 119.9 | 0 | |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.3 | 37.5 | 39.1 | 28.2 | 0 | |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48.7 | 432.2 | 178.3 | 143.0 | 0 | |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.0 | 71.0 | 47.0 | 0 | |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.0 | 0 | 0 | 0 | |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 135.6 | 715.1 | 421.9 | 309.9 | 0 | |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.4 | 299.9 | 321.9 | 110.2 | 0 | |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 9.0 | 8.0 | 8.0 | 0 | |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------|-------------------|-----|-----|-----|-----|------|-----|------|-------|-------|-------|-------|-----|
| 1988 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.0 | 558.0 | 675.6 | 355.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 1.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174.9 | 178.3 | 143.0 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49.0 | 62.0 | 22.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 391.8 | 413.9 | 284.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.0 | 166.2 | 261.7 | 70.6 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1989 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 570.0 | 655.5 | 212.1 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106.0 | 0 | 1.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175.1 | 178.3 | 78.1 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.0 | 70.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 481.0 | 420.9 | 194.4 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.0 | 234.5 | 17.7 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1990 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 0 | 470.2 | 665.0 | 321.3 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.0 | 3.0 | 5.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175.1 | 178.3 | 143.0 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.0 | 55.0 | 36.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 421.0 | 408.9 | 303.9 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 0 | 49.2 | 256.1 | 17.4 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 8.0 | 8.0 | 8.0 | 0 |
| 1991 | SW (Alt4) | 3.1 | 0 | 0 | 0 | 80.1 | 0 | 0 | 0 | 177.0 | 320.0 | 163.2 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 166.2 | 81.6 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 39.1 | 12.9 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 3.7 | 0 | 0 | 0 | 0 | 88.1 | 57.8 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 24.3 | 0 | 0 | 0 | 0 | 254.3 | 142.4 | 0 |
| | Proj Obligation | 3.1 | 0 | 0 | 0 | 55.8 | 0 | 0 | 0 | 177.0 | 65.7 | 20.8 | 0 |
| | Cutoff Group | (0) | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | (0) | 7.0 | 5.0 | 0 |
| 1992 | SW (Alt4) | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 143.0 | 521.2 | 438.0 | 277.0 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 13.0 | 4.0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.9 | 154.9 | 172.6 | 119.9 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 174.4 | 168.7 | 137.4 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 20.0 | 8.0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109.4 | 361.3 | 365.3 | 265.3 | 0 |
| | Proj Obligation | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 159.9 | 72.7 | 11.7 | 0 |
| | Cutoff Group | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 8.0 | 0 |
| 1993 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 324.1 | 87.9 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166.2 | 19.7 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.1 | 4.7 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122.7 | 10.9 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288.9 | 30.6 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35.2 | 57.3 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 2.0 | 0 |

Alternative 4
Allocation of Supplemental Water for Delta Outflow

| Year | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1994 | SW (Alt4) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 740.8 | 523.6 | 216.5 | 0 |
| | From Storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 |
| | From DD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.9 | 172.6 | 115.3 | 0 |
| | From DD - SJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.5 | 39.1 | 28.2 | 0 |
| | From IO Sac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174.4 | 168.7 | 75.2 | 0 |
| | From IO(8) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.0 | 63.0 | 0 | 0 |
| | From IO(9) Friant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Generated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 393.3 | 404.3 | 190.5 | 0 |
| | Proj Obligation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 347.5 | 119.3 | 26.1 | 0 |
| | Cutoff Group | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |

Table 1

Alternative 3 - Total Water to be Released from New Melones Reservoir for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|------|-----|-----|-----|------|------|------|-------|-------|------|-----|-----|-------|
| 1922 | 2.4 | 0 | 0 | 0 | 0 | 0 | 0 | 107.5 | 0 | 0 | 0 | 0 | 109.9 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 42.0 | 0 | 98.0 | 0 | 0 | 0 | 0 | 140.0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 2.3 |
| 1925 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 22.7 | 69.5 | 0 | 0 | 0 | 115.6 |
| 1926 | 23.4 | 0 | 0 | 0 | 0 | 31.8 | 4.0 | 0 | 0 | 0 | 0 | 0 | 59.2 |
| 1927 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 112.5 | 21.0 | 0 | 0 | 180.6 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 70.0 | 0 | 0 | 0 | 0 | 87.0 |
| 1929 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.4 |
| 1930 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.4 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 2.3 | 0 | 0 | 0 | 0 | 3.0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67.5 | 31.5 | 0 | 0 | 0 | 99.0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0.3 |
| 1934 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 12.3 | 0 | 0 | 0 | 0 | 35.6 |
| 1935 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.4 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48.5 | 12.5 | 0 | 0 | 0 | 61.0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0 | 1.1 |
| 1940 | 11.4 | 0 | 0 | 0 | 0 | 0 | 0 | 61.5 | 0 | 0 | 0 | 0 | 72.9 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 0 | 0 | 0 | 0 | 10.5 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 30.0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 10.4 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 | 0 | 0 | 0 | 0 | 20.9 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 10.5 | 0 | 0 | 0 | 0 | 20.5 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 22.8 | 26.5 | 0 | 0.3 | 0 | 0 | 0 | 49.6 |
| 1948 | 23.4 | 0 | 0 | 0 | 12.0 | 0 | 9.0 | 45.0 | 26.5 | 0 | 0 | 0 | 115.9 |
| 1949 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 0.3 | 0 | 0 | 0 | 40.6 |
| 1950 | 22.4 | 0 | 0 | 0 | 0 | 0 | 0 | 28.0 | 99.5 | 0 | 0 | 0 | 149.9 |
| 1951 | 21.4 | 0 | 0 | 0 | 0 | 0 | 0 | 40.5 | 56.3 | 0 | 0 | 0 | 118.2 |
| 1952 | 4.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 44.3 | 0 | 0 | 0 | 45.0 |
| 1954 | 19.4 | 0 | 0 | 0 | 21.0 | 0 | 2.7 | 81.5 | 0 | 0 | 0 | 0 | 124.6 |
| 1955 | 21.4 | 0 | 0 | 0 | 36.0 | 2.0 | 9.5 | 0 | 0 | 0 | 0 | 0 | 68.9 |
| 1956 | 23.4 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 24.4 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 56.5 | 0 | 0 | 0 | 0 | 0 | 56.5 |
| 1958 | 14.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.4 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.3 | 0 | 0 | 0 | 0 | 22.3 |
| 1960 | 24.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.4 |
| 1961 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.4 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.0 | 7.5 | 0 | 0 | 0 | 73.5 |
| 1963 | 23.4 | 0 | 0 | 0 | 0 | 43.8 | 0 | 61.5 | 52.5 | 0 | 0 | 0 | 181.2 |
| 1964 | 0 | 0 | 0 | 0 | 21.0 | 21.5 | 4.5 | 0.3 | 0 | 0 | 0 | 0 | 47.3 |
| 1965 | 20.0 | 0 | 0 | 0 | 0 | 0 | 13.7 | 132.0 | 0 | 0 | 0 | 0 | 165.7 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0.6 |
| 1967 | 15.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.4 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 12.5 | 0 | 0.9 | 0 | 0 | 0 | 13.5 |
| 1969 | 17.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 58.5 | 5.3 | 0 | 0 | 0 | 0 | 63.8 |
| 1971 | 7.4 | 0 | 0 | 0 | 0 | 0 | 56.5 | 9.3 | 0 | 0 | 0 | 0 | 73.2 |
| 1972 | 21.4 | 0 | 0 | 0 | 37.0 | 28.8 | 61.5 | 0 | 0 | 0 | 0 | 0 | 148.7 |
| 1973 | 22.4 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 | 22.0 | 0 | 0 | 0 | 59.9 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.5 | 16.0 | 0 | 0 | 0 | 46.5 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.0 | 0 | 0 | 0 | 0 | 60.0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 1.0 | 0 | 5.0 | 2.0 | 0 | 0 | 0 | 0 | 8.0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 67.5 | 0 | 0 | 0 | 0 | 69.2 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 0 | 0.9 |
| 1982 | 15.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.4 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 39.5 | 0 | 0 | 0 | 0 | 0 | 39.5 |
| 1985 | 8.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 8.5 |
| 1986 | 15.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.4 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 0 | 0 | 0.9 |
| 1988 | 24.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.4 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 35.0 | 33.8 | 42.0 | 0 | 0 | 0 | 0 | 0 | 110.8 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 8.2 | 0 | 0 | 0 | 2.2 | 3.1 | 7.5 | 20.5 | 3.1 | 0 | 0 | 0 | 44.7 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 24.4 | 0 | 0 | 0 | 37.0 | 43.8 | 61.5 | 132.0 | 52.5 | 0 | 0 | 0 | 181.2 |

Table 2

Alternative 3 - Diversion to Storage Bypassed at Don Pedro for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|------|------|------|-------|------|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 0 | 0 | 0 | 95.0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173.0 | 0 | 0 | 0 | 173.0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.5 | 0 | 0 | 0 | 0 | 79.5 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 0 | 0 | 0 | 0 | 0 | 19.7 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.0 | 0 | 0 | 0 | 76.0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.5 | 129.0 | 0 | 0 | 0 | 134.5 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 | 38.0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142.0 | 0 | 0 | 0 | 142.0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 3.0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.0 | 0 | 0 | 0 | 69.0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59.0 | 0 | 0 | 0 | 59.0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 0 | 63.0 | 0 | 0 | 0 | 64.7 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142.0 | 0 | 0 | 0 | 142.0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41.0 | 0 | 0 | 0 | 41.0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 19.0 | 5.9 | 0 | 0 | 0 | 47.9 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 | 0 | 7.0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 15.1 | 0 | 0 | 64.0 | 0 | 0 | 0 | 79.1 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 15.7 | 0 | 0 | 0 | 0 | 0 | 15.7 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0.5 | 0 | 0 | 0 | 0 | 1.5 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.0 | 0 | 0 | 0 | 32.0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 28.0 | 0 | 0 | 0 | 29.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 15.6 | 0 | 0 | 0 | 0 | 0 | 15.6 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 31.5 | 0 | 0 | 0 | 0 | 54.5 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.0 | 0 | 0 | 0 | 89.0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 0 | 5.0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156.0 | 0 | 0 | 0 | 156.0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 0 | 0 | 83.0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105.0 | 0 | 0 | 0 | 105.0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 117.0 | 0 | 0 | 0 | 118.5 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.0 | 0 | 0 | 0 | 66.0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.0 | 0 | 0 | 0 | 78.0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.0 | 0 | 0 | 0 | 0 | 57.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.5 | 3.2 | 23.8 | 1.2 | 0 | 0 | 29.9 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 15.1 | 23.0 | 79.5 | 173.0 | 83.0 | 0 | 0 | 173.0 |

Table 3

Alternative 3 - Diversion to Storage Bypassed at Lake McClure for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|------|-------|------|------|------|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 | 1.8 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 47.8 | 0 | 35.0 | 0 | 0 | 0 | 82.8 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 22.0 | 0 | 0 | 0 | 0 | 40.0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 0 | 0 | 0 | 27.0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 22.8 | 0 | 0 | 0 | 0 | 0 | 22.8 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67.5 | 0 | 0 | 0 | 67.5 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.5 | 0 | 0 | 0 | 0 | 19.5 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 | 0 | 10.0 | 15.0 | 0 | 40.5 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 10.8 | 9.0 | 21.0 | 14.0 | 17.0 | 0 | 71.8 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 26.0 | 26.0 | 0 | 0 | 0 | 0 | 52.0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 45.0 | 17.5 | 0 | 0 | 0 | 86.5 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 0 | 0 | 0 | 0 | 0 | 7.8 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.0 | 0 | 0 | 0 | 0 | 14.0 |
| 1940 | 8.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | 44.0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.5 | 0 | 0 | 0 | 14.5 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.5 | 13.0 | 0 | 0 | 0 | 36.5 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 14.8 | 0 | 0 | 0 | 0 | 0 | 14.8 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 39.0 | 60.5 | 0 | 0 | 0 | 0 | 99.5 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 10.8 | 12.5 | 0 | 0 | 0 | 0 | 23.3 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 55.0 | 27.5 | 0 | 0 | 0 | 0 | 82.5 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 26.8 | 0 | 6.0 | 0 | 0 | 0 | 32.8 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 47.0 | 57.0 | 0 | 0 | 0 | 0 | 104.0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 33.0 | 2.0 | 39.0 | 0 | 0 | 0 | 74.0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 8.0 | 2.0 | 35.5 | 39.0 | 0 | 0 | 0 | 84.5 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 73.0 | 0 | 0 | 0 | 0 | 0 | 73.0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82.0 | 42.5 | 0 | 0 | 0 | 124.5 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 33.8 | 15.0 | 0 | 0 | 0 | 0 | 48.8 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 7.5 | 0 | 0 | 0 | 0 | 9.3 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 13.8 | 16.0 | 0 | 0 | 0 | 0 | 29.8 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.5 | 0 | 0 | 0 | 0 | 17.5 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 1.0 | 13.0 | 49.0 | 0 | 0 | 0 | 0 | 63.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.5 | 31.5 | 0 | 0 | 0 | 35.0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 74.0 | 62.0 | 0 | 0 | 0 | 0 | 136.0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 24.0 | 0 | 0 | 0 | 0 | 47.0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 94.0 | 4.0 | 0 | 0 | 0 | 100.0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 63.0 | 47.5 | 0 | 0 | 0 | 117.5 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 72.5 | 8.0 | 0 | 0 | 0 | 95.5 |
| 1973 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55.0 | 0 | 0 | 0 | 56.0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.5 | 0 | 0 | 0 | 34.5 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.5 | 0 | 0 | 0 | 0 | 16.5 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 0 | 0 | 0 | 0 | 18.0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.0 | 0 | 0 | 0 | 29.0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 49.8 | 50.5 | 0 | 0 | 0 | 0 | 100.3 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 138.0 | 0 | 0 | 0 | 0 | 178.0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 19.8 | 78.0 | 0 | 0 | 0 | 0 | 97.8 |
| 1986 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 | 30.0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 9.8 | 21.0 | 0 | 0 | 0 | 0 | 30.8 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 16.8 | 21.5 | 0 | 0 | 0 | 0 | 38.3 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 11.8 | 37.5 | 0 | 0 | 0 | 0 | 49.3 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.5 | 61.0 | 0 | 0 | 0 | 69.5 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 0 | 0 | 0 | 0 | 24.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.0 | 83.5 | 0 | 0 | 0 | 179.5 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.5 | 0 | 0 | 0 | 0 | 12.5 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 12.2 | 19.4 | 8.6 | 0.3 | 0.4 | 0 | 41.2 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 8.0 | 0 | 0 | 0 | 0 | 8.0 | 96.0 | 138.0 | 67.5 | 14.0 | 17.0 | 0 | 179.5 |

Table 4

Alternative 3 - Diversion to Storage Bypassed at Eastman Lake for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 0 | 0 | 13.0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 4.8 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 0 | 0 | 9.0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.3 | 0 | 0.1 | 0.0 | 0 | 0 | 0.6 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 4.8 | 13.0 | 0 | 2.0 | 1.0 | 0 | 0 | 13.0 |

Table 5

Alternative 3 - Diversion to Storage Bypassed at Hensley Lake for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 0 | 0 | 13.0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 5.0 | 3.0 | 10.5 | 0 | 0 | 0 | 0 | 18.5 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 0 | 0 | 8.0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 5.0 | 0 | 0 | 0 | 0 | 10.0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 1.0 | 0 | 0 | 0 | 7.0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 2.0 | 0 | 0 | 0 | 0 | 5.0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 4.0 | 0 | 0 | 0 | 7.0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 2.0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 7.0 | 6.0 | 0 | 0 | 0 | 17.0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 5.0 | 0 | 0 | 0 | 0 | 10.0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 4.0 | 0 | 0 | 0 | 0 | 7.0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 | 2.0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 1.0 | 0 | 0 | 0 | 0 | 4.0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 1.0 | 0 | 0 | 0 | 4.0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 0 | 0 | 9.0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 2.0 | 0 | 0 | 0 | 0 | 4.7 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.9 | 0.8 | 0.2 | 0.0 | 0.0 | 0 | 2.1 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 5.0 | 13.0 | 10.5 | 6.0 | 1.0 | 2.0 | 0 | 18.5 |

Table 6

Alternative 3 - Diversion to Storage Bypassed at Bowman Lake for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 | 6.0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 9.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 | 0 | 7.0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 5.0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 3.0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 0 | 0 | 0 | 19.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 | 0 | 7.0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 5.0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0.1 | 0 | 0 | 1.0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 3.0 | 0 | 0 | 19.0 |

Table 7

Alternative 3 - Diversion to Storage Bypassed at Jackson Meadows Reservoir for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 1.0 | 0 | 0 | 6.0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 5.0 | 0 | 8.0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| AVG | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0 | 0.4 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 5.0 | 3.0 | 5.0 | 0 | 8.0 |

Table 8

Alternative 3 - Diversion to Storage Bypassed at Bullards Bar for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 0 | 0 | 0 | 0 | 0 | 27.0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.0 | 0 | 0 | 0 | 0 | 0 | 25.0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 5.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 | 6.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | 0 | 36.0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 0 | 0 | 0 | 24.0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 0 | 0 | 0 | 19.0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.6 | 0.8 | 0 | 0 | 0 | 2.1 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 36.0 | 24.0 | 0 | 0 | 0 | 36.0 |

Table 9

Alternative 3 - Diversion to Storage Bypassed at Fordyce Lake for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 9.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 0 | 0 | 0 | 10.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 8.0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.5 | 0 | 0 | 0 | 0.6 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 2.0 | 10.0 | 0 | 0 | 0 | 10.0 |

Table 10

Alternative 3 - Water to be Subtracted from Diversion at CP #16, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1925.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1926.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1927.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1929.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1930.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1934.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |
| 1935.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1940.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1945.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1948.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1949.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1950.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1951.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |
| 1952.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.4 | 0 | 0 | 0.8 |
| 1954.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1955.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1956.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.5 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1958.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1960.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1961.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1963.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.5 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1965.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.5 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1967.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0 | 0.9 |
| 1969.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1971.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.4 | 0 | 0 | 0.9 |
| 1972.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1973.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 0 | 1.3 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1978.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0 | 0.9 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.4 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1982.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0 | 0.9 |
| 1985.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |
| 1986.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1988.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.4 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| AVG: | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.2 | 0.4 | 0.3 | 0 | 1.0 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |

Table 11

Alternative 3 - Water to be Subtracted from Diversion at CP #634, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1925.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1926.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1927.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1929.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1930.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.1 | 6.1 | 0 | 6.9 | 0.8 | 0 | 20.0 |
| 1934.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.7 |
| 1935.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0.8 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1940.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1945.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0.8 | 0 | 21.3 |
| 1948.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1949.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1950.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1951.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.3 |
| 1952.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 0 | 6.9 | 0.8 | 0 | 21.3 |
| 1954.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1955.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0.8 | 0 | 21.4 |
| 1956.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | 7.1 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 0 | 6.9 | 0.8 | 0 | 14.3 |
| 1958.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1960.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1961.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.7 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1963.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 6.4 | 6.7 | 6.1 | 6.9 | 6.9 | 0.8 | 0 | 33.8 |
| 1965.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | 7.1 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.1 | 6.1 | 6.9 | 6.9 | 0.8 | 0 | 26.9 |
| 1967.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0 | 0 | 20.5 |
| 1969.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1971.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 0 | 6.9 | 0 | 0 | 20.6 |
| 1972.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0.8 | 0 | 21.4 |
| 1973.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | 6.9 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.1 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 27.7 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1978.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1982.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0 | 0 | 20.5 |
| 1985.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.7 |
| 1986.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1988.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.7 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | 6.9 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 1.5 | 1.8 | 3.6 | 6.2 | 0.6 | 0 | 13.8 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.2 | 0 | 0 | 0 | 0 | 6.4 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 33.8 |

Table 12

Alternative 3 - Water to be Subtracted from Diversion at CP #649, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 8.6 | 5.9 | 0 | 16.4 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 8.6 | 7.2 | 0 | 16.6 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 6.2 | 8.1 | 8.6 | 7.2 | 0 | 33.8 |
| 1925.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.6 | 7.2 | 0 | 19.8 |
| 1926.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 2.0 | 8.1 | 8.6 | 7.2 | 0 | 27.8 |
| 1927.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.6 | 7.2 | 0 | 17.8 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 26.2 |
| 1929.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 5.9 | 8.6 | 7.2 | 0 | 23.7 |
| 1930.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 2.0 | 8.1 | 8.6 | 7.2 | 0 | 27.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 6.2 | 8.1 | 8.6 | 7.2 | 0 | 32.7 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 2.0 | 1.0 | 8.6 | 7.2 | 0 | 20.1 |
| 1934.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 6.2 | 8.1 | 8.6 | 7.2 | 0 | 32.0 |
| 1935.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 16.8 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 0 | 0 | 2.7 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.2 | 8.2 | 8.6 | 7.2 | 0 | 29.0 |
| 1940.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.9 | 8.6 | 7.2 | 0 | 22.7 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 | 5.2 | 0 | 12.3 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.2 | 2.7 | 0 | 8.9 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.6 | 7.2 | 0 | 16.8 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 24.8 |
| 1945.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 16.8 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 8.1 | 8.6 | 7.2 | 0 | 24.7 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 29.4 |
| 1948.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 0 | 8.6 | 7.2 | 0 | 18.6 |
| 1949.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 27.3 |
| 1950.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 1.0 | 8.6 | 5.2 | 0 | 16.7 |
| 1951.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 4.6 | 6.2 | 8.1 | 8.6 | 5.9 | 0 | 34.5 |
| 1952.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 6.2 | 2.4 | 6.2 | 2.7 | 0 | 21.1 |
| 1954.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 8.6 | 5.2 | 0 | 21.6 |
| 1955.0 | 1.1 | 0 | 0 | 0 | 0 | 0.4 | 4.6 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 30.9 |
| 1956.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 1.4 | 0 | 0 | 3.1 | 0 | 0 | 5.6 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 2.0 | 1.0 | 8.6 | 5.2 | 0 | 21.4 |
| 1958.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 6.2 | 8.1 | 8.6 | 7.2 | 0 | 30.9 |
| 1960.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 26.8 |
| 1961.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 5.2 | 8.1 | 8.6 | 7.2 | 0 | 30.9 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 8.6 | 7.2 | 0 | 16.7 |
| 1963.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 2.7 | 0 | 12.3 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 4.6 | 2.0 | 8.1 | 8.6 | 7.2 | 0 | 31.0 |
| 1965.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 8.6 | 0 | 0 | 11.7 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 2.0 | 8.1 | 8.6 | 7.2 | 0 | 27.2 |
| 1967.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 2.0 | 8.1 | 8.6 | 0 | 0 | 23.3 |
| 1969.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | 3.6 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 6.2 | 6.7 | 8.6 | 2.7 | 0 | 28.8 |
| 1971.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 4.6 | 6.2 | 1.0 | 3.1 | 2.2 | 0 | 18.2 |
| 1972.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 4.6 | 1.0 | 8.1 | 8.6 | 5.9 | 0 | 29.3 |
| 1973.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.9 | 8.6 | 5.2 | 0 | 20.7 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 3.1 | 0 | 0 | 4.1 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 5.2 | 8.1 | 8.6 | 2.7 | 0 | 25.9 |
| 1977.0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 4.6 | 6.2 | 8.1 | 8.6 | 5.2 | 0 | 33.3 |
| 1978.0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 5.9 | 0 | 15.0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.1 | 8.6 | 2.7 | 0 | 19.4 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 | 2.7 | 0 | 9.8 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 8.1 | 8.6 | 5.9 | 0 | 24.5 |
| 1982.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 2.0 | 3.0 | 8.6 | 0 | 0 | 18.1 |
| 1985.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 4.5 | 8.1 | 8.6 | 7.2 | 0 | 30.3 |
| 1986.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 5.2 | 0 | 14.8 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.2 | 8.1 | 8.6 | 7.2 | 0 | 29.0 |
| 1988.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 4.5 | 8.1 | 8.6 | 7.2 | 0 | 30.3 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 8.1 | 8.6 | 5.9 | 0 | 24.5 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 8.1 | 8.6 | 7.2 | 0 | 25.7 |
| 1991.0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 1.0 | 2.4 | 8.6 | 5.2 | 0 | 17.8 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 8.1 | 8.6 | 7.2 | 0 | 26.3 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.0 | 0 | 8.6 | 0 | 0 | 10.9 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.1 | 8.6 | 5.9 | 0 | 23.6 |
| AVG: | 0.5 | 0 | 0 | 0 | 0.0 | 0.0 | 1.1 | 1.7 | 4.1 | 7.3 | 5.0 | 0 | 19.8 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 1.1 | 0 | 0 | 0 | 0.6 | 0.5 | 4.6 | 6.2 | 8.2 | 8.6 | 7.2 | 0 | 34.5 |

Table 13

Alternative 3 - Water to be Subtracted from Diversion at CP #672, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 9.1 | 4.5 | 0 | 14.3 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.6 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 6.3 | 8.6 | 9.1 | 6.2 | 0 | 30.5 |
| 1925.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.7 |
| 1926.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1927.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 17.2 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1929.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.7 |
| 1930.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 6.3 | 8.6 | 9.1 | 7.4 | 0 | 31.7 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 6.2 | 0 | 15.3 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0 | 9.1 | 7.4 | 0 | 16.6 |
| 1934.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 6.3 | 8.6 | 9.1 | 7.4 | 0 | 32.1 |
| 1935.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 6.2 | 0 | 16.0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 8.6 | 9.1 | 7.4 | 0 | 28.9 |
| 1940.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.7 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.5 | 0.5 | 0 | 6.0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1945.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 17.2 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 8.6 | 9.1 | 7.4 | 0 | 28.5 |
| 1948.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 9.1 | 7.4 | 0 | 17.2 |
| 1949.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1950.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 9.1 | 0.5 | 0 | 10.3 |
| 1951.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 3.4 | 6.3 | 8.6 | 9.1 | 4.5 | 0 | 32.5 |
| 1952.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 6.3 | 0.0 | 0.5 | 0.0 | 0 | 7.1 |
| 1954.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.2 | 9.1 | 0.5 | 0 | 15.4 |
| 1955.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 8.6 | 9.1 | 7.4 | 0 | 29.1 |
| 1956.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0.5 | 0 | 0 | 1.2 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 0 | 9.1 | 0.5 | 0 | 12.9 |
| 1958.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 6.3 | 8.6 | 9.1 | 7.4 | 0 | 31.5 |
| 1960.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1961.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 3.8 | 8.6 | 9.1 | 7.4 | 0 | 29.6 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1963.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0.0 | 0 | 9.8 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 3.4 | 0.0 | 8.6 | 9.1 | 7.4 | 0 | 28.5 |
| 1965.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0 | 0 | 9.7 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1967.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 8.6 | 9.1 | 0 | 0 | 21.0 |
| 1969.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0.7 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 6.3 | 5.2 | 9.1 | 0.5 | 0 | 24.4 |
| 1971.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 3.4 | 6.3 | 0 | 0.5 | 0.0 | 0 | 10.9 |
| 1972.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 8.6 | 9.1 | 4.5 | 0 | 26.2 |
| 1973.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 0.5 | 0 | 10.7 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 3.8 | 8.6 | 9.1 | 0.0 | 0 | 21.6 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 6.3 | 8.6 | 9.1 | 0.5 | 0 | 27.8 |
| 1978.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 4.5 | 0 | 13.7 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 0.0 | 0 | 17.7 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.5 | 0.0 | 0 | 5.5 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 4.5 | 0 | 22.2 |
| 1982.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 0.5 | 9.1 | 0 | 0 | 13.0 |
| 1985.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 26.2 |
| 1986.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0.5 | 0 | 10.2 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 8.6 | 9.1 | 7.4 | 0 | 28.9 |
| 1988.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 26.2 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 4.5 | 0 | 22.2 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 9.1 | 0.5 | 0 | 9.6 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 25.5 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 9.1 | 0 | 0 | 9.1 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 4.5 | 0 | 22.2 |
| AVG: | 0.3 | 0 | 0 | 0 | 0 | 0.0 | 0.5 | 1.0 | 3.8 | 7.4 | 4.1 | 0 | 17.2 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.7 | 0 | 0 | 0 | 0 | 0.0 | 3.4 | 6.3 | 8.6 | 9.1 | 7.4 | 0 | 32.5 |

Table 14

Alternative 3 - Water to be Subtracted from Diversion at CP #688, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1925.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1926.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.1 |
| 1927.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.4 |
| 1929.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1930.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.1 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 0 | 1.3 | 1.3 | 0 | 4.3 |
| 1934.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.1 |
| 1935.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 1.3 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1940.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1945.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.4 |
| 1948.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1949.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.6 |
| 1950.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1951.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.8 |
| 1952.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1954.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1955.0 | 0.2 | 0 | 0 | 0 | 0 | 0.3 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.9 |
| 1956.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 1.3 | 0 | 0 | 2.1 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 0 | 1.3 | 1.3 | 0 | 4.3 |
| 1958.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1960.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1961.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.1 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1963.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.9 |
| 1965.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 1.5 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1967.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 0 | 0 | 4.3 |
| 1969.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 1.5 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1971.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 0 | 1.3 | 1.3 | 0 | 4.5 |
| 1972.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.6 |
| 1973.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 1.3 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1978.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1982.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 0 | 0 | 4.3 |
| 1985.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.1 |
| 1986.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1988.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.1 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 1.3 | 0 | 0 | 1.9 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.0 | 0.2 | 0.4 | 0.7 | 1.1 | 1.0 | 0 | 3.5 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.2 | 0 | 0 | 0 | 0 | 0.3 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.9 |

Table 15

Alternative 3 - Water to be Subtracted from Diversion at CP #693, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0 | 0.5 | 0.5 | 0 | 1.9 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0 | 0.5 | 0.5 | 0 | 2.0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1925.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1926.0 | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.6 |
| 1927.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1929.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1930.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1934.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1935.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.1 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1940.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 | 0.5 | 0 | 1.5 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1945.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 | 0.5 | 0 | 1.6 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.5 |
| 1948.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1949.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1950.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1951.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1952.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1954.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1955.0 | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.6 |
| 1956.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0.5 | 0 | 0 | 0.9 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1958.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1960.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1961.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1963.0 | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.5 |
| 1965.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0 | 0 | 1.9 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1967.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0 | 0 | 1.8 |
| 1969.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0.6 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1971.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1972.0 | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.6 |
| 1973.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 0 | 0 | 1.0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 | 0 | 0 | 1.0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1978.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.1 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1982.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0 | 0 | 1.8 |
| 1985.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1986.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.1 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1988.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0 | 0.5 | 0 | 0 | 1.5 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| AVG: | 0.0 | 0 | 0 | 0 | 0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.5 | 0.4 | 0 | 1.9 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.6 |

Table 16

Alternative 3 - Water to be Subtracted from Diversion at CP #699, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-------|
| 1922.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 1.1 | 0 | 20.3 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 59.9 |
| 1925.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1926.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1927.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1929.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1930.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 59.9 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1934.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 61.8 |
| 1935.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 59.9 |
| 1940.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 1.3 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1945.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 16.4 | 17.3 | 14.2 | 0 | 54.2 |
| 1948.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1949.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1950.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 19.2 |
| 1951.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 16.4 | 17.3 | 1.1 | 0 | 55.0 |
| 1952.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 0 | 0 | 0 | 0 | 12.0 |
| 1954.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 17.3 | 0 | 0 | 20.5 |
| 1955.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 16.4 | 17.3 | 14.2 | 0 | 56.1 |
| 1956.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 0 | 17.3 | 0 | 0 | 23.6 |
| 1958.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 59.9 |
| 1960.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1961.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 61.8 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1963.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 19.2 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 16.4 | 17.3 | 14.2 | 0 | 54.2 |
| 1965.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 19.2 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1967.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 16.4 | 17.3 | 0 | 0 | 40.0 |
| 1969.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 1.3 | 17.3 | 0 | 0 | 36.9 |
| 1971.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 0 | 0 | 0 | 0 | 20.2 |
| 1972.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 16.4 | 17.3 | 1.1 | 0 | 43.0 |
| 1973.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 19.2 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 0 | 0 | 45.7 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 16.4 | 17.3 | 0 | 0 | 52.0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 1.1 | 0 | 18.4 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 0 | 0 | 33.7 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 1.3 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 1.1 | 0 | 34.8 |
| 1982.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 0 | 17.3 | 0 | 0 | 23.6 |
| 1985.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1986.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 19.2 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 16.4 | 17.3 | 14.2 | 0 | 48.9 |
| 1988.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 1.1 | 0 | 34.8 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 17.3 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 17.3 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 1.1 | 0 | 34.8 |
| AVG: | 0.8 | 0 | 0 | 0 | 0 | 0 | 1.0 | 2.0 | 7.0 | 13.8 | 7.1 | 0 | 31.7 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 1.9 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 61.8 |

Table 1

Alternative 4 - Total Water to be Released from New Melones Reservoir for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|------|-----|-----|-----|------|------|-------|-------|------|-----|-----|-----|-------|
| 1922 | 6.0 | 0 | 0 | 0 | 0 | 0 | 21.8 | 108.0 | 0 | 0 | 0 | 0 | 135.8 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 42.0 | 52.0 | 108.4 | 0 | 0 | 0 | 0 | 202.4 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 11.0 | 16.0 | 0 | 0 | 0 | 0 | 27.0 |
| 1925 | 23.4 | 0 | 0 | 0 | 0 | 0 | 23.0 | 69.5 | 0 | 0 | 0 | 0 | 115.9 |
| 1926 | 23.4 | 0 | 0 | 0 | 0 | 31.8 | 34.0 | 70.0 | 0 | 0 | 0 | 0 | 159.2 |
| 1927 | 27.0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 113.0 | 89.4 | 0 | 0 | 0 | 253.4 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 38.7 | 87.0 | 0 | 0 | 0 | 0 | 125.8 |
| 1929 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 26.4 |
| 1930 | 23.4 | 0 | 0 | 0 | 0 | 0 | 15.0 | 20.0 | 0 | 0 | 0 | 0 | 58.4 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 20.0 | 0 | 0 | 0 | 0 | 26.0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68.0 | 32.0 | 0 | 0 | 0 | 100.0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 57.0 | 0.0 | 0 | 0 | 0 | 88.0 |
| 1934 | 23.4 | 0 | 0 | 0 | 0 | 0 | 10.0 | 42.0 | 0 | 0 | 0 | 0 | 75.4 |
| 1935 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.4 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49.0 | 12.3 | 0 | 0 | 0 | 61.3 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.0 | 0 | 0 | 0 | 0 | 45.0 |
| 1940 | 11.4 | 0 | 0 | 0 | 0 | 0 | 0 | 62.0 | 0 | 0 | 0 | 0 | 73.4 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.0 | 0 | 0 | 0 | 0 | 11.0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.2 | 0 | 0 | 0 | 45.2 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 0 | 0 | 0 | 0 | 4.1 |
| 1945 | 14.0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.0 | 0 | 0 | 0 | 0 | 25.0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 26.0 | 11.0 | 0 | 0 | 0 | 0 | 37.0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 22.8 | 60.0 | 55.0 | 0 | 0 | 0 | 0 | 137.9 |
| 1948 | 23.4 | 0 | 0 | 0 | 12.1 | 0 | 21.0 | 45.0 | 26.5 | 0 | 0 | 0 | 128.0 |
| 1949 | 23.4 | 0 | 0 | 0 | 0 | 0 | 37.0 | 46.0 | 0.3 | 0 | 0 | 0 | 106.6 |
| 1950 | 22.4 | 0 | 0 | 0 | 0 | 0 | 55.7 | 99.5 | 0.0 | 0 | 0 | 0 | 177.7 |
| 1951 | 25.0 | 0 | 0 | 0 | 0 | 0 | 56.0 | 56.3 | 0 | 0 | 0 | 0 | 137.3 |
| 1952 | 8.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 34.0 | 44.3 | 0 | 0 | 0 | 0 | 78.3 |
| 1954 | 22.4 | 0 | 0 | 0 | 21.0 | 0 | 3.0 | 82.0 | 0 | 0 | 0 | 0 | 128.4 |
| 1955 | 21.4 | 0 | 0 | 0 | 36.3 | 2.0 | 31.0 | 44.0 | 0.0 | 0 | 0 | 0 | 134.7 |
| 1956 | 23.4 | 0 | 0 | 0 | 0 | 0 | 75.8 | 0 | 0 | 0 | 0 | 0 | 99.2 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 69.5 | 69.0 | 30.3 | 0 | 0 | 0 | 168.8 |
| 1958 | 18.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 35.0 | 67.0 | 0 | 0 | 0 | 0 | 102.0 |
| 1960 | 24.4 | 0 | 0 | 0 | 0 | 0 | 9.0 | 14.0 | 0 | 0 | 0 | 0 | 47.4 |
| 1961 | 23.4 | 0 | 0 | 0 | 0 | 0 | 17.0 | 39.0 | 0 | 0 | 0 | 0 | 79.4 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.0 | 8.0 | 0 | 0 | 0 | 93.0 |
| 1963 | 27.0 | 0 | 0 | 0 | 0 | 43.8 | 0 | 62.0 | 52.1 | 0 | 0 | 0 | 184.9 |
| 1964 | 0 | 0 | 0 | 0 | 21.1 | 20.0 | 37.0 | 39.0 | 0 | 0 | 0 | 0 | 117.1 |
| 1965 | 20.0 | 0 | 0 | 0 | 0 | 0 | 14.0 | 136.6 | 33.0 | 0 | 0 | 0 | 203.6 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 72.0 | 68.0 | 0 | 0 | 0 | 0 | 140.0 |
| 1967 | 15.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 47.0 | 24.0 | 0 | 0 | 0 | 0 | 71.0 |
| 1969 | 17.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.4 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 58.5 | 8.5 | 0 | 0 | 0 | 0 | 67.0 |
| 1971 | 11.0 | 0 | 0 | 0 | 0 | 0 | 39.5 | 14.0 | 0.0 | 0 | 0 | 0 | 64.6 |
| 1972 | 21.4 | 0 | 0 | 0 | 37.3 | 28.8 | 61.5 | 27.0 | 0 | 0 | 0 | 0 | 176.0 |
| 1973 | 27.2 | 0 | 0 | 0 | 0 | 0 | 0 | 16.0 | 22.0 | 0 | 0 | 0 | 65.2 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 52.0 | 0 | 0 | 0 | 83.0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.0 | 0 | 0 | 0 | 0 | 79.0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 0 | 0 | 8.0 |
| 1977 | 0 | 0 | 0 | 0 | 1.0 | 0 | 8.0 | 6.0 | 0 | 0 | 0 | 0 | 15.0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 68.0 | 21.0 | 0 | 0 | 0 | 91.0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 51.0 | 34.0 | 0 | 0 | 0 | 0 | 85.0 |
| 1982 | 15.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.4 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 42.0 | 31.3 | 0 | 0 | 0 | 0 | 73.3 |
| 1985 | 12.0 | 0 | 0 | 0 | 0 | 0 | 21.0 | 54.0 | 0 | 0 | 0 | 0 | 87.0 |
| 1986 | 20.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.0 | 0 | 0 | 0 | 0 | 26.0 |
| 1988 | 24.4 | 0 | 0 | 0 | 0 | 0 | 14.0 | 34.0 | 0 | 0 | 0 | 0 | 72.4 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 21.0 | 23.0 | 0 | 0 | 0 | 0 | 44.0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 14.0 | 39.0 | 0 | 0 | 0 | 0 | 53.0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 0 | 13.0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 0 | 4.0 |
| 1993 | 0 | 0 | 0 | 0 | 35.0 | 34.0 | 122.2 | 85.0 | 0 | 0 | 0 | 0 | 276.2 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 16.0 | 0 | 0 | 0 | 0 | 19.0 |
| AVG: | 8.8 | 0 | 0 | 0 | 2.2 | 3.1 | 19.6 | 36.4 | 5.8 | 0 | 0 | 0 | 76.0 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 27.2 | 0 | 0 | 0 | 37.3 | 43.8 | 122.2 | 136.6 | 89.4 | 0 | 0 | 0 | 276.2 |

Table 2

Alternative 4 - Diversion to Storage Bypassed at Don Pedro for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|------|------|------|-------|------|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 0 | 0 | 0 | 95.0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173.0 | 0 | 0 | 0 | 173.0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 0 | 0 | 0 | 0 | 9.5 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.0 | 0 | 0 | 0 | 76.0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129.0 | 0 | 0 | 0 | 129.0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142.0 | 0 | 0 | 0 | 142.0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 3.0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.0 | 0 | 0 | 0 | 69.0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59.0 | 0 | 0 | 0 | 59.0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63.0 | 0 | 0 | 0 | 63.0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142.0 | 0 | 0 | 0 | 142.0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41.0 | 0 | 0 | 0 | 41.0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 5.9 | 0 | 0 | 0 | 24.9 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 | 0 | 7.0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 15.1 | 0 | 0 | 64.0 | 0 | 0 | 0 | 79.1 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.0 | 0 | 0 | 0 | 32.0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 28.0 | 0 | 0 | 0 | 29.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 5.7 | 7.5 | 0 | 0 | 0 | 0 | 13.2 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.0 | 0 | 0 | 0 | 89.0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 17.0 | 0 | 0 | 0 | 0 | 0 | 17.0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 0 | 5.0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156.0 | 0 | 0 | 0 | 156.0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 0 | 0 | 83.0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105.0 | 0 | 0 | 0 | 105.0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117.0 | 0 | 0 | 0 | 117.0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.0 | 0 | 0 | 0 | 66.0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.0 | 0 | 0 | 0 | 0 | 57.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.4 | 1.3 | 22.7 | 1.2 | 0 | 0 | 25.8 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 15.1 | 17.0 | 57.0 | 173.0 | 83.0 | 0 | 0 | 173.0 |

Table 3

Alternative 4 - Diversion to Storage Bypassed at Lake McClure for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|------|-------|------|------|------|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35.0 | 0 | 0 | 0 | 35.0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 22.0 | 0 | 0 | 0 | 0 | 31.0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 0 | 0 | 0 | 27.0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 | 0 | 2.5 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.5 | 0 | 10.0 | 15.0 | 0 | 37.5 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.0 | 14.0 | 17.0 | 0 | 52.0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 26.0 | 26.0 | 0 | 0 | 0 | 0 | 52.0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.5 | 0 | 0 | 0 | 17.5 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 8.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | 44.0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.5 | 13.0 | 0 | 0 | 0 | 32.5 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 5.5 | 0 | 0 | 0 | 0 | 29.3 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.5 | 0 | 0 | 0 | 0 | 12.5 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 20.8 | 0 | 0 | 0 | 0 | 0 | 20.8 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 | 6.0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 47.0 | 57.0 | 0 | 0 | 0 | 0 | 104.0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 31.8 | 2.0 | 39.0 | 0 | 0 | 0 | 72.8 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 46.0 | 0 | 0 | 0 | 54.0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 6.8 | 0 | 0 | 0 | 0 | 0 | 6.8 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 | 12.5 | 0 | 0 | 0 | 28.0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 17.5 | 0 | 0 | 0 | 0 | 18.5 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 18.8 | 0 | 0 | 0 | 0 | 0 | 18.8 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 23.0 | 24.0 | 0 | 0 | 0 | 0 | 47.0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 94.0 | 4.0 | 0 | 0 | 0 | 100.0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 63.0 | 47.5 | 0 | 0 | 0 | 117.5 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 45.5 | 8.0 | 0 | 0 | 0 | 68.5 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55.0 | 0 | 0 | 0 | 55.0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 0 | 0 | 0 | 0 | 18.0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.0 | 0 | 0 | 0 | 29.0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.5 | 0 | 0 | 0 | 0 | 16.5 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 110.5 | 0 | 0 | 0 | 0 | 150.5 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.0 | 0 | 0 | 0 | 0 | 78.0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 0 | 0 | 0 | 0 | 15.0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 0 | 0 | 0 | 0 | 24.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 23.8 | 0 | 0 | 0 | 0 | 0 | 23.8 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 4.0 | 9.3 | 5.4 | 0.3 | 0.4 | 0 | 19.8 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 8.0 | 0 | 0 | 0 | 0 | 8.0 | 47.0 | 110.5 | 55.0 | 14.0 | 17.0 | 0 | 150.5 |

Table 4

Alternative 4 - Diversion to Storage Bypassed at Eastman Lake for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 4.8 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 0 | 0 | 8.0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 0 | 0 | 9.0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.0 | 0 | 0 | 0.4 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 4.8 | 9.0 | 0 | 2.0 | 1.0 | 0 | 0 | 9.0 |

Table 5

Alternative 4 - Diversion to Storage Bypassed at Hensley Lake for Vernalis and Delta Outflow Objectives, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 0 | 0 | 8.0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 1.0 | 0 | 0 | 0 | 7.0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 2.0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 6.0 | 0 | 0 | 0 | 10.0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 1.0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 1.0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 0 | 4.0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 1.0 | 2.0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 0 | 0 | 9.0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.4 | 0.3 | 0.2 | 0.0 | 0.1 | 0 | 1.1 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 5.0 | 9.0 | 6.0 | 6.0 | 1.0 | 2.0 | 0 | 10.0 |

Table 6

Alternative 4 - Diversion to Storage Bypassed at Bowman Lake for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 | 6.0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 9.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 | 0 | 7.0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 5.0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 3.0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 0 | 0 | 0 | 19.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 | 0 | 7.0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 5.0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0.0 | 0 | 0 | 1.0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.0 | 3.0 | 0 | 0 | 19.0 |

Table 7

Alternative 4 - Diversion to Storage Bypassed at Jackson Meadows Reservoir for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 1.0 | 0 | 0 | 0 | 0 | 5.0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 3.0 | 0 | 0 | 0 | 0 | 10.0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 0 | 8.0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 1.0 | 0 | 0 | 6.0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 1.0 | 0 | 4.0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 5.0 | 0 | 8.0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 3.0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 3.0 | 0 | 0 | 0 | 7.0 |
| AVG | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0 | 0.9 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 5.0 | 3.0 | 5.0 | 0 | 10.0 |

Table 8

Alternative 4 - Diversion to Storage Bypassed at Bullards Bar for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 0 | 0 | 0 | 0 | 0 | 27.0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.0 | 0 | 0 | 0 | 0 | 0 | 25.0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 0 | 0 | 0 | 5.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 0 | 0 | 0 | 6.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | 0 | 36.0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 0 | 0 | 0 | 24.0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG: | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.5 | 0.5 | 0 | 0 | 0 | 1.8 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 36.0 | 24.0 | 0 | 0 | 0 | 36.0 |

Table 9

Alternative 4 - Diversion to Storage Bypassed at Fordyce Lake for Delta Outflow Objective, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 1925.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 9.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 4.0 |
| 1950.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 0 | 0 | 0 | 10.0 |
| 1956.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 3.0 |
| 1961.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 0 | 0 | 0 | 8.0 |
| 1965.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 3.0 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVG | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.5 | 0 | 0 | 0 | 0.6 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 1.0 | 10.0 | 0 | 0 | 0 | 10.0 |

Table 10

Alternative 4 - Water to be Subtracted from Diversion at CP #16, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1925.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1926.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1929.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1930.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1934.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |
| 1935.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.4 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1940.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1948.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1949.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1950.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.4 | 0 | 0 | 0.8 |
| 1954.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1955.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1956.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1960.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1961.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1965.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.5 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1967.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0 | 0.9 |
| 1969.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.4 | 0 | 0 | 0.8 |
| 1972.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.4 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 0 | 1.3 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1978.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1982.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0 | 0.9 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1988.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.4 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0.9 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.7 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.4 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0 | 1.3 |
| AVG: | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.2 | 0.4 | 0.3 | 0 | 1.0 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0 | 1.8 |

Table 11

Alternative 4 - Water to be Subtracted from Diversion at CP #634, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1925.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1926.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1929.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1930.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1934.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.7 |
| 1935.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0.8 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1940.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1948.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1949.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1950.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.1 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 27.7 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0.8 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0 | 6.9 | 0.8 | 0 | 14.6 |
| 1954.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1955.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 15.7 |
| 1956.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.1 | 0 | 0 | 6.9 | 0.8 | 0 | 13.8 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0.8 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1960.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1961.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 6.4 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 21.0 |
| 1965.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1967.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0.9 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1969.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0.9 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 28.2 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 6.9 | 0 | 6.9 | 0.8 | 0 | 21.3 |
| 1972.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0.8 | 0 | 21.4 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 6.4 | 6.7 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 34.6 |
| 1978.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.8 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1982.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 0 | 2.3 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 | 0 | 6.9 | 6.9 | 0.8 | 0 | 21.3 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1988.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.8 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 6.9 | 0.8 | 0 | 21.5 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 0.8 | 0 | 7.7 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.9 | 6.9 | 0.8 | 0 | 14.6 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0.8 | 1.1 | 3.7 | 6.2 | 0.8 | 0 | 12.9 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 1.1 | 0 | 0 | 0 | 0 | 6.4 | 6.7 | 6.9 | 6.9 | 6.9 | 2.2 | 0 | 34.6 |

Table 12

Alternative 4 - Water to be Subtracted from Diversion at CP #649, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.9 | 8.6 | 7.2 | 0 | 21.6 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 6.2 | 8.2 | 8.6 | 7.2 | 0 | 33.8 |
| 1925.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.6 | 7.2 | 0 | 19.8 |
| 1926.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 8.2 | 8.6 | 7.2 | 0 | 26.9 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1929.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 5.9 | 8.6 | 7.2 | 0 | 23.7 |
| 1930.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 4.5 | 8.2 | 8.6 | 7.2 | 0 | 31.0 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.6 | 7.2 | 0 | 16.8 |
| 1934.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 8.2 | 8.6 | 7.2 | 0 | 27.3 |
| 1935.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 16.8 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.2 | 0 | 5.2 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 23.9 |
| 1940.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.9 | 8.6 | 7.2 | 0 | 22.7 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.2 | 5.9 | 0 | 12.1 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.2 | 5.9 | 0 | 12.1 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.6 | 7.2 | 0 | 16.8 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 23.9 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 8.2 | 8.6 | 7.2 | 0 | 25.7 |
| 1948.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 8.6 | 7.2 | 0 | 17.8 |
| 1949.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 8.2 | 8.6 | 7.2 | 0 | 25.8 |
| 1950.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 8.6 | 7.2 | 0 | 19.2 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 6.2 | 8.2 | 8.6 | 5.9 | 0 | 30.2 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 0 | 2.7 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 6.2 | 2.4 | 7.1 | 2.7 | 0 | 19.2 |
| 1954.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 5.9 | 0 | 23.5 |
| 1955.0 | 0.7 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1956.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 3.1 | 2.7 | 0 | 7.7 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.0 | 1.0 | 8.6 | 7.2 | 0 | 19.1 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 0 | 2.7 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 23.9 |
| 1960.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1961.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 5.2 | 0 | 13.7 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 0 | 1.0 | 8.2 | 8.6 | 7.2 | 0 | 26.9 |
| 1965.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 2.7 | 0 | 12.3 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 8.2 | 8.6 | 7.2 | 0 | 24.7 |
| 1967.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 0 | 3.8 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 2.0 | 8.2 | 8.6 | 2.7 | 0 | 22.7 |
| 1969.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 0 | 3.8 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 5.2 | 8.1 | 8.6 | 5.2 | 0 | 31.6 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 5.2 | 1.0 | 6.2 | 2.7 | 0 | 19.6 |
| 1972.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 4.6 | 1.0 | 8.2 | 8.6 | 7.2 | 0 | 30.5 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.6 | 5.9 | 0 | 17.5 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 2.7 | 0 | 5.8 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.2 | 2.7 | 0 | 8.9 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.2 | 8.2 | 8.6 | 2.7 | 0 | 24.5 |
| 1977.0 | 0 | 0 | 0 | 0 | 0.6 | 3.1 | 4.6 | 6.2 | 8.2 | 8.6 | 5.2 | 0 | 36.3 |
| 1978.0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 | 7.2 | 0 | 14.7 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 5.2 | 0 | 21.9 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.2 | 5.2 | 0 | 11.4 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1982.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 1.0 | 3.0 | 8.6 | 2.7 | 0 | 19.3 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 8.2 | 8.6 | 7.2 | 0 | 26.3 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7.2 | 0 | 15.7 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 8.2 | 8.6 | 7.2 | 0 | 28.4 |
| 1988.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 24.9 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 23.9 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 23.9 |
| 1991.0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 8.6 | 5.9 | 0 | 15.1 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 8.2 | 8.6 | 7.2 | 0 | 26.3 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 8.6 | 2.7 | 0 | 12.1 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 8.6 | 7.2 | 0 | 23.9 |
| AVG: | 0.3 | 0 | 0 | 0 | 0.0 | 0.1 | 0.5 | 1.0 | 4.2 | 7.4 | 5.8 | 0 | 19.3 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 1.1 | 0 | 0 | 0 | 0.6 | 3.1 | 4.6 | 6.2 | 8.2 | 8.6 | 7.2 | 0 | 36.3 |

Table 13

Alternative 4 - Water to be Subtracted from Diversion at CP #672, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.1 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 6.3 | 8.6 | 9.1 | 7.4 | 0 | 31.7 |
| 1925.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.7 |
| 1926.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1929.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.7 |
| 1930.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1934.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 26.2 |
| 1935.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 17.2 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1940.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 7.4 | 0 | 17.7 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 4.5 | 0 | 5.0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 4.5 | 0 | 5.0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1948.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 17.2 |
| 1949.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1950.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 9.1 | 6.2 | 0 | 16.0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 6.3 | 8.6 | 9.1 | 4.5 | 0 | 28.5 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 6.3 | 0 | 5.5 | 0.0 | 0 | 11.9 |
| 1954.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 4.5 | 0 | 22.2 |
| 1955.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.3 |
| 1956.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0.0 | 0.0 | 0 | 0.8 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 9.1 | 7.4 | 0 | 16.6 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1960.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1961.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0.5 | 0 | 9.5 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1965.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 0.0 | 0 | 9.8 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.2 |
| 1967.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.7 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 8.6 | 9.1 | 0.0 | 0 | 17.8 |
| 1969.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.7 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 3.8 | 7.2 | 9.1 | 0.5 | 0 | 23.9 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 3.8 | 0 | 0.5 | 0.0 | 0 | 7.7 |
| 1972.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 8.6 | 9.1 | 7.4 | 0 | 29.2 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 9.1 | 4.5 | 0 | 14.1 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.1 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.0 | 0 | 0.6 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 8.6 | 9.1 | 0.0 | 0 | 21.5 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 3.4 | 6.3 | 8.6 | 9.1 | 0.5 | 0 | 29.4 |
| 1978.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.5 | 6.3 | 0 | 11.8 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 0.5 | 0 | 18.1 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1982.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.7 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0.5 | 9.1 | 0.0 | 0 | 11.7 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 25.5 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 7.4 | 0 | 16.5 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 25.5 |
| 1988.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.8 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.1 | 4.5 | 0 | 13.6 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 8.6 | 9.1 | 7.4 | 0 | 25.5 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 9.1 | 0.0 | 0 | 9.2 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.6 | 9.1 | 7.4 | 0 | 25.1 |
| AVG: | 0.2 | 0 | 0 | 0 | 0 | 0.0 | 0.2 | 0.5 | 3.9 | 7.3 | 5.0 | 0 | 17.1 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.7 | 0 | 0 | 0 | 0 | 1.6 | 3.4 | 6.3 | 8.6 | 9.1 | 7.4 | 0 | 31.7 |

Table 14

Alternative 4 - Water to be Subtracted from Diversion at CP #688, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1925.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1926.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.2 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1929.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1930.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1934.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.2 |
| 1935.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 1.3 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1940.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1948.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1949.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1950.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 1.3 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1954.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1955.0 | 0.1 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.2 |
| 1956.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 1.3 | 1.3 | 0 | 3.2 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 1.3 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1960.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1961.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.1 |
| 1965.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1967.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 1.5 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1969.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 1.5 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.6 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 0 | 1.3 | 1.3 | 0 | 4.3 |
| 1972.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.6 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.9 |
| 1978.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.7 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1982.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 1.5 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.4 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1988.0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 4.0 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 5.0 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0 | 2.5 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 0 | 3.8 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.0 | 0.1 | 0.2 | 0.7 | 1.1 | 1.3 | 0 | 3.5 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 0.2 | 0 | 0 | 0 | 0 | 0.3 | 0.6 | 1.2 | 1.3 | 1.3 | 1.3 | 0 | 6.1 |

Table 15

Alternative 4 - Water to be Subtracted from Diversion at CP #693, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0.5 | 0.5 | 0 | 1.3 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.2 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1925.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1926.0 | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1929.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1930.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1934.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1935.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.1 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1940.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.5 |
| 1948.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.1 |
| 1949.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.9 |
| 1950.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.4 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1954.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1955.0 | 1.9 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 3.6 |
| 1956.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0.5 | 0.5 | 0 | 1.4 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1960.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1961.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.7 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.2 |
| 1965.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.5 | 0.5 | 0 | 1.6 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.8 |
| 1967.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.6 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1969.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.6 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1972.0 | 0.1 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.6 |
| 1973.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.5 |
| 1978.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.1 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1982.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.6 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.3 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1988.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.6 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 1.0 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 2.0 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0.5 | 0.5 | 0 | 1.3 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 1.5 |
| AVG: | 0.1 | 0 | 0 | 0 | 0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.5 | 0 | 1.6 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 1.9 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 4.4 |

Table 16

Alternative 4 - Water to be Subtracted from Diversion at CP #699, TAF

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|--------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-------|
| 1922.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1923.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1924.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 59.9 |
| 1925.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1926.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1927.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1928.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1929.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1930.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1931.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1932.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1933.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1934.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1935.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1936.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1937.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1938.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1940.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1941.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0 | 1.1 |
| 1942.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0 | 1.1 |
| 1943.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1944.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1945.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1946.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1947.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1948.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1949.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1950.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 33.4 |
| 1951.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 1.1 | 0 | 46.8 |
| 1952.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 0 | 1.3 | 0 | 0 | 13.3 |
| 1954.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 1.1 | 0 | 34.8 |
| 1955.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1956.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1957.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1958.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1960.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1961.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1962.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1963.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 17.3 |
| 1964.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1965.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 19.2 |
| 1966.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1967.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1968.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 0 | 0 | 33.7 |
| 1969.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1970.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 16.4 | 17.3 | 0 | 0 | 52.0 |
| 1971.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 12.0 | 0 | 0 | 0 | 0 | 18.3 |
| 1972.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 16.4 | 17.3 | 14.2 | 0 | 56.1 |
| 1973.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 1.1 | 0 | 18.4 |
| 1974.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 16.4 | 17.3 | 0 | 0 | 45.7 |
| 1977.0 | 0 | 0 | 0 | 0 | 0 | 3.2 | 6.3 | 12.0 | 16.4 | 17.3 | 0 | 0 | 55.1 |
| 1978.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 14.2 | 0 | 15.5 |
| 1979.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 0 | 0 | 33.7 |
| 1980.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1982.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 |
| 1983.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.3 | 0 | 0 | 17.3 | 0 | 0 | 23.6 |
| 1985.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1986.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 14.2 | 0 | 31.5 |
| 1987.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1988.0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 49.8 |
| 1989.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1990.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1991.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 1.1 | 0 | 18.4 |
| 1992.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| 1993.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.3 | 0 | 0 | 17.3 |
| 1994.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 17.3 | 14.2 | 0 | 47.9 |
| AVG: | 0.5 | 0 | 0 | 0 | 0 | 0.0 | 0.4 | 1.1 | 7.4 | 13.5 | 8.8 | 0 | 31.9 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 1.9 | 0 | 0 | 0 | 0 | 3.2 | 6.3 | 12.0 | 16.4 | 17.3 | 14.2 | 0 | 71.3 |

Alternative 3
Water Right Cutoff Number for Vernalis Objectives

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-----|-----|-----|-----|------|-------|-------|------|-----|-----|-----|
| 1922 | 71.0 | x | x | x | 0 | 0 | 16.0 | 8.0 | 0 | x | x | x |
| 1923 | 0 | x | x | x | 0 | 12.0 | 16.0 | 11.0 | 0 | x | x | x |
| 1924 | 0 | x | x | x | 0 | 0 | 24.0 | 70.0 | 0 | x | x | x |
| 1925 | 71.0 | x | x | x | 0 | 0 | 8.0 | 8.0 | 0 | x | x | x |
| 1926 | 71.0 | x | x | x | 0 | 8.0 | 16.0 | 21.0 | 24.0 | x | x | x |
| 1927 | 71.0 | x | x | x | 0 | 0 | 8.0 | 8.0 | 16.0 | x | x | x |
| 1928 | 0 | x | x | x | 0 | 0 | 21.0 | 16.0 | 18.0 | x | x | x |
| 1929 | 71.0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1930 | 71.0 | x | x | x | 0 | 0 | 16.0 | 21.0 | 0 | x | x | x |
| 1931 | 0 | x | x | x | 0 | 0 | 52.0 | 70.0 | 0 | x | x | x |
| 1932 | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 8.0 | x | x | x |
| 1933 | 0 | x | x | x | 0 | 0 | 24.0 | 24.0 | 16.0 | x | x | x |
| 1934 | 71.0 | x | x | x | 0 | 0 | 16.0 | 71.0 | 0 | x | x | x |
| 1935 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1936 | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 8.0 | x | x | x |
| 1937 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1938 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1939 | 0 | x | x | x | 0 | 0 | 0 | 63.0 | 44.0 | x | x | x |
| 1940 | 71.0 | x | x | x | 0 | 0 | 0 | 8.0 | 21.0 | x | x | x |
| 1941 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1942 | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| 1943 | 0 | x | x | x | 0 | 0 | 0 | 0 | 16.0 | x | x | x |
| 1944 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1945 | 71.0 | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| 1946 | 0 | x | x | x | 0 | 0 | 16.0 | 8.0 | 21.0 | x | x | x |
| 1947 | 0 | x | x | x | 0 | 8.0 | 71.0 | 16.0 | 58.0 | x | x | x |
| 1948 | 71.0 | x | x | x | 8.0 | 0 | 16.0 | 16.0 | 8.0 | x | x | x |
| 1949 | 71.0 | x | x | x | 0 | 0 | 21.0 | 16.0 | 20.0 | x | x | x |
| 1950 | 71.0 | x | x | x | 0 | 0 | 16.0 | 8.0 | 16.0 | x | x | x |
| 1951 | 71.0 | x | x | x | 0 | 0 | 71.0 | 71.0 | 21.0 | x | x | x |
| 1952 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1953 | 0 | x | x | x | 0 | 0 | 53.0 | 71.0 | 21.0 | x | x | x |
| 1954 | 71.0 | x | x | x | 8.0 | 0 | 8.0 | 8.0 | 0 | x | x | x |
| 1955 | 71.0 | x | x | x | 8.0 | 21.0 | 71.0 | 16.0 | 16.0 | x | x | x |
| 1956 | 71.0 | x | x | x | 0 | 0 | 21.0 | 0 | 0 | x | x | x |
| 1957 | 0 | x | x | x | 0 | 0 | 71.0 | 21.0 | 16.0 | x | x | x |
| 1958 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1959 | 0 | x | x | x | 0 | 0 | 16.0 | 71.0 | 63.0 | x | x | x |
| 1960 | 71.0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 0 | x | x | x |
| 1961 | 71.0 | x | x | x | 0 | 0 | 16.0 | 63.0 | 0 | x | x | x |
| 1962 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 8.0 | x | x | x |
| 1963 | 71.0 | x | x | x | 0 | 8.0 | 0 | 8.0 | 8.0 | x | x | x |
| 1964 | 0 | x | x | x | 8.0 | 36.0 | 71.0 | 24.0 | 21.0 | x | x | x |
| 1965 | (72+) | x | x | x | 0 | 0 | 8.0 | 16.0 | 16.0 | x | x | x |
| 1966 | 0 | x | x | x | 0 | 0 | 24.0 | 24.0 | 36.0 | x | x | x |
| 1967 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1968 | 0 | x | x | x | 0 | 0 | 71.0 | 21.0 | 57.0 | x | x | x |
| 1969 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1970 | 0 | x | x | x | 0 | 0 | 71.0 | 71.0 | 21.0 | x | x | x |
| 1971 | 71.0 | x | x | x | 0 | 0 | 71.0 | 71.0 | 16.0 | x | x | x |
| 1972 | 71.0 | x | x | x | 8.0 | 8.0 | 71.0 | 16.0 | 63.0 | x | x | x |
| 1973 | 71.0 | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| 1974 | 0 | x | x | x | 0 | 0 | 0 | 8.0 | 16.0 | x | x | x |
| 1975 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1976 | 0 | x | x | x | 0 | 0 | 24.0 | 63.0 | 0 | x | x | x |
| 1977 | 0 | x | x | x | 0 | 0 | (72+) | (72+) | 0 | x | x | x |
| 1978 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1979 | 0 | x | x | x | 0 | 0 | 8.0 | 8.0 | 16.0 | x | x | x |
| 1980 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1981 | 0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 57.0 | x | x | x |
| 1982 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1983 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1984 | 0 | x | x | x | 0 | 0 | 71.0 | 21.0 | 21.0 | x | x | x |
| 1985 | 71.0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 53.0 | x | x | x |
| 1986 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1987 | 0 | x | x | x | 0 | 0 | 0 | 29.0 | 0 | x | x | x |
| 1988 | 71.0 | x | x | x | 0 | 0 | 16.0 | 53.0 | 0 | x | x | x |
| 1989 | 0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 0 | x | x | x |
| 1990 | 0 | x | x | x | 0 | 0 | 16.0 | 16.0 | 0 | x | x | x |
| 1991 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1992 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1993 | 0 | x | x | x | 8.0 | 8.0 | 21.0 | 16.0 | 0 | x | x | x |
| 1994 | 0 | x | x | x | 0 | 0 | 11.0 | 16.0 | 0 | x | x | x |

Alternative 4
Water Right Cutoff Number for Vernalis Objectives

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-----|-----|-----|-----|------|-------|-------|------|-----|-----|-----|
| 1922 | 0 | x | x | x | 0 | 0 | 11.0 | 0 | 0 | x | x | x |
| 1923 | 0 | x | x | x | 0 | 12.0 | 0 | 8.0 | 0 | x | x | x |
| 1924 | 0 | x | x | x | 0 | 0 | 16.0 | 58.0 | 0 | x | x | x |
| 1925 | 72+ | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| 1926 | 72.0 | x | x | x | 0 | 8.0 | 0 | 21.0 | 24.0 | x | x | x |
| 1927 | 0 | x | x | x | 0 | 0 | 0 | 0 | 8.0 | x | x | x |
| 1928 | 0 | x | x | x | 0 | 0 | 8.0 | 16.0 | 18.0 | x | x | x |
| 1929 | 71.0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1930 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1931 | 0 | x | x | x | 0 | 0 | 24.0 | 53.0 | 0 | x | x | x |
| 1932 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1933 | 0 | x | x | x | 0 | 0 | 0 | 0 | 16.0 | x | x | x |
| 1934 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1935 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1936 | 0 | x | x | x | 0 | 0 | 0 | 0 | 8.0 | x | x | x |
| 1937 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1938 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1939 | 0 | x | x | x | 0 | 0 | 0 | 0 | 53.0 | x | x | x |
| 1940 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 21.0 | x | x | x |
| 1941 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1942 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1943 | 0 | x | x | x | 0 | 0 | 0 | 0 | 17.0 | x | x | x |
| 1944 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1945 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1946 | 0 | x | x | x | 0 | 0 | 0 | 0 | 21.0 | x | x | x |
| 1947 | 0 | x | x | x | 0 | 8.0 | 16.0 | 16.0 | 59.0 | x | x | x |
| 1948 | 66.0 | x | x | x | 8.0 | 0 | 0 | 16.0 | 8.0 | x | x | x |
| 1949 | 72+ | x | x | x | 0 | 0 | 16.0 | 0 | 20.0 | x | x | x |
| 1950 | 72+ | x | x | x | 0 | 0 | 8.0 | 8.0 | 16.0 | x | x | x |
| 1951 | 0 | x | x | x | 0 | 0 | 24.0 | 72+ | 21.0 | x | x | x |
| 1952 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1953 | 0 | x | x | x | 0 | 0 | 16.0 | 72+ | 21.0 | x | x | x |
| 1954 | 43.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1955 | 72+ | x | x | x | 8.0 | 21.0 | 0 | 0 | 16.0 | x | x | x |
| 1956 | 72+ | x | x | x | 0 | 0 | 16.0 | 0 | 0 | x | x | x |
| 1957 | 0 | x | x | x | 0 | 0 | 24.0 | 16.0 | 16.0 | x | x | x |
| 1958 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1959 | 0 | x | x | x | 0 | 0 | 0 | 0 | 63.0 | x | x | x |
| 1960 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1961 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1962 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1963 | 0 | x | x | x | 0 | 8.0 | 0 | 0 | 8.0 | x | x | x |
| 1964 | 0 | x | x | x | 8.0 | 48.0 | 0 | 16.0 | 21.0 | x | x | x |
| 1965 | 72+ + | x | x | x | 0 | 0 | 0 | 8.0 | 0 | x | x | x |
| 1966 | 0 | x | x | x | 0 | 0 | 16.0 | 0 | 47.0 | x | x | x |
| 1967 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1968 | 0 | x | x | x | 0 | 0 | 21.0 | 21.0 | 58.0 | x | x | x |
| 1969 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1970 | 0 | x | x | x | 0 | 0 | 72+ | 63.0 | 21.0 | x | x | x |
| 1971 | 0 | x | x | x | 0 | 0 | 71.0 | 63.0 | 16.0 | x | x | x |
| 1972 | 72+ | x | x | x | 8.0 | 8.0 | 72+ | 16.0 | 63.0 | x | x | x |
| 1973 | 8.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1974 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1975 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1976 | 0 | x | x | x | 0 | 0 | 0 | 63.0 | 0 | x | x | x |
| 1977 | 0 | x | x | x | 0 | 0 | 72+ + | 72+ + | 0 | x | x | x |
| 1978 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1979 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1980 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1981 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 58.0 | x | x | x |
| 1982 | 71.0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1983 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1984 | 0 | x | x | x | 0 | 0 | 63.0 | 16.0 | 21.0 | x | x | x |
| 1985 | 0 | x | x | x | 0 | 0 | 0 | 0 | 56.0 | x | x | x |
| 1986 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1987 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1988 | 72+ | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1989 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1990 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1991 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |
| 1992 | 0 | x | x | x | 0 | 0 | 0 | 16.0 | 0 | x | x | x |
| 1993 | 0 | x | x | x | 0 | 0 | 16.0 | 0 | 0 | x | x | x |
| 1994 | 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | x | x | x |

Alternative 3
Priority Group Curtaled for Delta Outflow Objective

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|-----|-----|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 5.0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 7.0 | 8.0 | 8.0 | 6.0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 7.0 | 7.0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 4.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 6.0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 7.0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 6.0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 2.0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 1.0 | 9.0 | 8.0 | 7.0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 4.0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 3.0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 8.0 | 7.0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 4.0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 5.0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 2.0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 5.0 | 8.0 | 4.0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 4.0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 2.0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 7.0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 8.0 | 3.0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 1.0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 4.0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 9.0 | 8.0 | 2.0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 9.0 | 0 | 9.0 | 3.0 | 8.0 | 8.0 | 4.0 | 0 |
| 1978 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 5.0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 2.0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 2.0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 7.0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 9.0 | 8.0 | 7.0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 4.0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 9.0 | 8.0 | 8.0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 8.0 | 5.0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | 1.0 | 7.0 | 4.0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | (0) | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |

Alternative 4
Priority Group Curtaled for Delta Outflow Objective

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 7.0 | (0) |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | (0) | 4.0 | 8.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1925 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 7.0 | (0) |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 7.0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | (0) | 3.0 | 4.0 | 8.0 | 8.0 | 8.0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | (0) | 9.0 | 8.0 | 8.0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 8.0 | 8.0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 5.0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 5.0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 8.0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 7.0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 8.0 | 6.0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 5.0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 2.0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 7.0 | 8.0 | 5.0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 8.0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 2.0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 2.0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 0 | 8.0 | 9.0 | 7.0 | 0 |
| 1960 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 8.0 | (0) |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 9.0 | 8.0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 7.0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 4.0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 8.0 | 8.0 | 0 |
| 1965 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 2.0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 7.0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 2.0 | 0 |
| 1969 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 8.0 | 5.0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 2.0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 5.0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 2.0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 2.0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 9.0 | 8.0 | 2.0 | 0 |
| 1977 | (0) | 0 | 0 | 0 | 9.0 | 7.0 | 9.0 | 3.0 | 8.0 | 8.0 | 5.0 | 0 |
| 1978 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 6.0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 4.0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 4.0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 2.0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 7.0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 7.0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 9.0 | 8.0 | 8.0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 8.0 | 8.0 | 8.0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 8.0 | 8.0 | 8.0 | 0 |
| 1991 | (0) | 0 | 0 | 0 | 9.0 | 0 | 0 | 0 | (0) | 7.0 | 5.0 | 0 |
| 1992 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 8.0 | 8.0 | 8.0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 2.0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.0 | 8.0 | 7.0 | 0 |

Alternative 3
Unallocated Water (additional project obligation) (TAF)

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|------|-----|-----|-----|-------|-----|-------|-------|-------|-------|-------|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.1 | 15.6 | 0 | 75.7 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.7 | 172.9 | 70.1 | 0 | 258.8 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 17.2 | 84.6 | 165.7 | 77.7 | 45.5 | 0 | 390.6 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.8 | 223.1 | 7.1 | 0 | 275.0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 217.1 | 257.9 | 14.0 | 0 | 583.9 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 188.1 | 47.1 | 0 | 235.2 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.1 | 95.1 | 44.0 | 0 | 172.1 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 71.7 | 51.5 | 0 | 123.8 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104.7 | 120.1 | 26.6 | 0 | 251.4 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 26.3 | 29.8 | 28.7 | 20.7 | 99.5 | 0 | 204.9 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137.0 | 177.4 | 20.1 | 0 | 334.5 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 136.0 | 183.7 | 90.5 | 0 | 410.2 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.6 | 65.3 | 25.1 | 36.2 | 0 | 145.2 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231.1 | 24.0 | 0 | 255.1 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 85.9 | 116.1 | 0 | 211.0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.0 | 112.9 | 115.1 | 0 | 382.0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 25.4 | 0 | 31.4 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 122.0 | 7.9 | 20.7 | 137.9 | 105.7 | 0 | 394.1 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.7 | 175.9 | 117.1 | 0 | 310.7 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.2 | 3.3 | 0 | 27.5 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56.5 | 3.6 | 0 | 60.1 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 221.1 | 15.1 | 0 | 236.2 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.9 | 103.9 | 99.1 | 0 | 279.9 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154.0 | 76.9 | 62.1 | 0 | 293.0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53.9 | 41.9 | 15.1 | 0 | 110.9 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134.0 | 171.9 | 239.9 | 101.1 | 0 | 646.9 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120.1 | 70.1 | 0 | 190.2 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 189.9 | 163.9 | 59.1 | 0 | 412.9 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196.0 | 15.9 | 56.3 | 0 | 268.2 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.9 | 201.9 | 42.6 | 0 | 343.3 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.5 | 28.4 | 0 | 70.9 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.0 | 28.4 | 223.9 | 37.3 | 0 | 340.6 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.9 | 169.9 | 90.1 | 0 | 310.9 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.3 | 0 | 0 | 7.3 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 36.9 | 52.3 | 0 | 201.2 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158.1 | 268.9 | 59.1 | 0 | 486.1 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.1 | 189.9 | 110.1 | 0 | 385.1 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73.1 | 25.1 | 29.0 | 0 | 127.1 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242.0 | 98.9 | 54.1 | 0 | 395.0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91.1 | 70.4 | 0 | 161.5 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54.9 | 194.9 | 95.1 | 0 | 344.9 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85.1 | 0 | 0 | 85.1 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.0 | 116.1 | 190.9 | 45.1 | 0 | 391.1 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108.1 | 155.9 | 0 | 0 | 264.0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 0 | 0 | 3.3 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.4 | 14.9 | 4.6 | 0 | 33.8 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.3 | 7.0 | 0 | 19.3 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.1 | 207.9 | 33.6 | 0 | 336.5 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 62.9 | 3.3 | 0 | 90.0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36.6 | 0 | 0 | 36.6 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 40.3 | 98.7 | 13.7 | 0 | 154.1 |
| 1977 | 0 | 0 | 0 | 0 | 164.7 | 0 | 19.4 | 47.6 | 108.3 | 16.1 | 38.4 | 0 | 394.5 |
| 1978 | 29.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70.1 | 21.6 | 0 | 121.0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228.9 | 3.9 | 70.4 | 0 | 303.2 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.2 | 44.4 | 0 | 58.5 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231.1 | 163.9 | 38.6 | 0 | 433.5 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.8 | 206.1 | 0 | 0 | 258.0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.7 | 30.8 | 203.9 | 32.1 | 0 | 297.5 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41.0 | 293.1 | 47.3 | 0 | 381.5 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.9 | 288.9 | 221.1 | 3.1 | 0 | 543.9 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.0 | 73.2 | 165.1 | 8.1 | 0 | 258.4 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 181.7 | 132.1 | 26.2 | 0 | 370.9 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 70.0 | 0 | 135.7 | 148.1 | 83.6 | 0 | 437.4 |
| 1991 | 0 | 0 | 0 | 0 | 53.7 | 0 | 0 | 0 | 5.0 | 52.7 | 33.3 | 0 | 144.7 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.6 | 133.7 | 27.7 | 78.5 | 0 | 253.5 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78.1 | 7.0 | 0 | 85.1 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 238.7 | 17.7 | 37.6 | 0 | 293.9 |
| AVG: | 0.4 | 0 | 0 | 0 | 3.0 | 0 | 3.5 | 8.6 | 69.1 | 105.8 | 39.8 | 0 | 230.1 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 29.3 | 0 | 0 | 0 | 164.7 | 0 | 122.0 | 134.0 | 288.9 | 293.1 | 117.1 | 0 | 646.9 |

Alternative 4
Unallocated Water (additional project obligation) (TAF)

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|------|------|-----|-----|-----|-------|------|------|-------|-------|-------|-------|-----|-------|
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61.0 | 27.0 | 5.9 | 93.9 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 125.9 | 145.9 | 0 | 282.7 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 13.9 | 19.2 | 8.8 | 206.7 | 135.7 | 49.2 | 0 | 433.5 |
| 1925 | 6.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64.3 | 132.9 | 44.1 | 5.6 | 253.2 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.0 | 319.3 | 356.5 | 86.0 | 0 | 856.8 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84.3 | 125.0 | 0 | 209.3 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151.1 | 109.2 | 111.2 | 0 | 371.4 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.6 | 156.3 | 95.8 | 0 | 261.8 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.0 | 202.3 | 56.6 | 0 | 277.0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 22.2 | 26.2 | 29.8 | 77.7 | 87.2 | 34.4 | 0 | 277.5 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.8 | 53.3 | 52.5 | 0 | 148.6 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150.4 | 100.5 | 28.0 | 0 | 279.0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 22.0 | 0 | 18.6 | 118.3 | 114.2 | 71.7 | 0 | 344.8 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140.9 | 88.6 | 0 | 229.5 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.0 | 237.3 | 40.5 | 0 | 286.8 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.6 | 266.4 | 40.0 | 0 | 386.9 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 0 | 23.7 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 54.0 | 47.0 | 38.5 | 240.7 | 35.0 | 0 | 415.2 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.6 | 310.3 | 48.3 | 0 | 377.2 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65.1 | 22.0 | 0 | 87.1 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76.6 | 20.2 | 0 | 96.9 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121.3 | 73.1 | 0 | 194.4 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111.2 | 212.9 | 1.9 | 0 | 325.9 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.1 | 224.7 | 128.5 | 0 | 428.3 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.1 | 174.3 | 69.1 | 0 | 322.5 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134.0 | 85.5 | 330.6 | 29.4 | 0 | 579.5 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32.9 | 75.1 | 0 | 108.0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.0 | 266.1 | 69.1 | 0 | 418.2 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.5 | 128.0 | 14.3 | 0 | 160.8 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 326.6 | 40.6 | 0 | 372.1 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.1 | 0 | 52.1 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.2 | 71.0 | 0 | 94.2 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.0 | 5.5 | 330.8 | 39.2 | 0 | 408.5 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72.9 | 281.1 | 19.5 | 0 | 373.5 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.1 | 35.4 | 0 | 104.6 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112.0 | 166.4 | 12.5 | 0 | 291.0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.4 | 37.1 | 0 | 45.5 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 14.4 | 0 | 0 | 286.5 | 2.5 | 87.3 | 0 | 390.6 |
| 1960 | 4.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 181.8 | 267.9 | 32.9 | 2.0 | 488.6 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 161.1 | 33.2 | 69.8 | 0 | 264.1 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141.6 | 252.4 | 135.4 | 0 | 529.4 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87.3 | 50.2 | 0 | 137.5 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97.9 | 301.4 | 25.2 | 0 | 424.5 |
| 1965 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115.3 | 20.9 | 0 | 137.9 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.0 | 245.7 | 290.7 | 79.4 | 0 | 630.9 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.7 | 0 | 23.7 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208.4 | 264.7 | 17.8 | 0 | 490.9 |
| 1969 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.1 | 0 | 32.8 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.6 | 154.9 | 5.7 | 0 | 166.2 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54.9 | 11.4 | 0 | 66.3 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179.1 | 299.8 | 5.2 | 0 | 484.1 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.9 | 215.4 | 32.0 | 7.2 | 299.5 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.5 | 37.7 | 0 | 82.2 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.4 | 38.7 | 0 | 82.1 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 50.7 | 111.3 | 36.2 | 0 | 201.7 |
| 1977 | 4.6 | 0 | 0 | 0 | 165.7 | 10.2 | 20.4 | 49.6 | 158.3 | 62.1 | 43.9 | 0 | 514.7 |
| 1978 | 29.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65.9 | 9.6 | 0 | 104.9 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27.0 | 140.0 | 52.5 | 0 | 219.5 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.5 | 3.0 | 0 | 17.5 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 333.1 | 261.6 | 27.0 | 0 | 621.6 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.3 | 0 | 10.3 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69.7 | 104.9 | 37.0 | 0 | 211.6 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.6 | 47.5 | 278.0 | 65.1 | 0 | 425.1 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105.7 | 20.1 | 0 | 125.7 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.4 | 299.9 | 321.9 | 110.2 | 0 | 763.4 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.0 | 166.2 | 261.7 | 70.6 | 0 | 509.5 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89.0 | 234.5 | 17.7 | 0 | 341.2 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 31.0 | 0 | 49.2 | 256.1 | 17.4 | 0 | 353.6 |
| 1991 | 3.1 | 0 | 0 | 0 | 55.8 | 0 | 0 | 0 | 177.0 | 65.7 | 20.8 | 0 | 322.3 |
| 1992 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.6 | 159.9 | 72.7 | 11.7 | 0 | 278.8 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35.2 | 57.3 | 0 | 92.5 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 347.5 | 119.3 | 26.1 | 0 | 492.8 |
| AVG: | 0.7 | 0 | 0 | 0 | 3.0 | 1.1 | 2.1 | 7.5 | 75.2 | 146.5 | 46.0 | 0.3 | 282.3 |
| MIN: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX: | 29.3 | 0 | 0 | 0 | 165.7 | 22.2 | 54.0 | 134.0 | 347.5 | 356.5 | 145.9 | 7.2 | 856.8 |

Appendix 4

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AVERAGE UNIMPAIRED FLOW BY WATERSHED (TAF)

Based on DWR 1922-1992 average unimpaired flow data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|-------------------|-------|-------|-------|---------|---------|---------|-------|-------|-------|-------|-------|-------|--------|
| Stony Creek | 1.8 | 13.0 | 47.0 | 82.5 | 97.7 | 71.8 | 48.1 | 25.6 | 8.1 | 1.1 | 0.1 | 0.2 | 397 |
| Sacramento River | 305.6 | 462.0 | 826.6 | 1,081.8 | 1,232.4 | 1,205.7 | 972.0 | 670.3 | 428.0 | 297.4 | 254.0 | 257.0 | 7,993 |
| Feather River | 109.4 | 197.6 | 366.7 | 454.9 | 543.0 | 630.8 | 682.7 | 620.8 | 321.1 | 150.1 | 99.4 | 86.8 | 4,263 |
| Yuba River | 33.9 | 96.5 | 194.9 | 243.4 | 286.1 | 318.2 | 362.5 | 399.7 | 206.8 | 54.8 | 23.1 | 19.9 | 2,240 |
| Bear River | 4.8 | 15.0 | 40.0 | 55.6 | 67.2 | 59.7 | 38.7 | 15.9 | 5.7 | 2.5 | 1.2 | 1.4 | 308 |
| American River | 26.8 | 93.3 | 197.5 | 270.7 | 316.1 | 369.9 | 437.2 | 488.7 | 263.3 | 64.0 | 15.7 | 11.7 | 2,555 |
| Cosumnes River | 1.9 | 10.0 | 30.0 | 50.3 | 63.5 | 71.7 | 64.5 | 41.6 | 14.8 | 3.5 | 1.2 | 0.7 | 354 |
| Mokelumne River | 5.7 | 19.7 | 37.9 | 45.9 | 58.2 | 77.4 | 122.6 | 187.9 | 115.7 | 23.9 | 4.3 | 2.6 | 702 |
| Calaveras River | 0.4 | 4.6 | 15.9 | 28.6 | 39.1 | 34.4 | 21.0 | 5.9 | 2.0 | 0.8 | 0.3 | 0.3 | 153 |
| Stanislaus River | 9.8 | 28.5 | 52.9 | 71.5 | 91.3 | 121.5 | 190.7 | 278.1 | 171.6 | 51.0 | 12.2 | 6.4 | 1,085 |
| Tuolumne River | 17.0 | 49.6 | 89.8 | 109.2 | 142.0 | 180.5 | 270.9 | 437.0 | 343.4 | 116.6 | 23.8 | 11.5 | 1,791 |
| Merced River | 7.2 | 20.4 | 43.6 | 57.6 | 82.7 | 96.7 | 145.8 | 238.3 | 167.6 | 51.8 | 12.0 | 5.3 | 929 |
| Chowchilla River | 0.1 | 1.5 | 6.0 | 10.6 | 17.9 | 17.0 | 11.5 | 3.8 | 1.1 | 0.2 | 0.0 | 0.0 | 70 |
| Fresno River | 0.4 | 1.8 | 5.8 | 9.9 | 16.8 | 18.8 | 15.6 | 9.2 | 4.9 | 1.8 | 0.4 | 0.4 | 86 |
| San Joaquin River | 19.3 | 33.5 | 60.5 | 73.6 | 100.0 | 136.9 | 234.3 | 426.1 | 366.2 | 160.5 | 50.3 | 23.8 | 1,685 |
| TOTAL | 544 | 1,047 | 2,015 | 2,646 | 3,154 | 3,411 | 3,618 | 3,849 | 2,420 | 980 | 498 | 428 | 24,610 |

AVERAGE PERCENT CONTRIBUTION BY WATERSHED

Contribution based on 1922-1992 average unimpaired flow data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Stony Creek | 0.32% | 1.24% | 2.33% | 3.12% | 3.10% | 2.10% | 1.33% | 0.67% | 0.33% | 0.12% | 0.01% | 0.05% |
| Sacramento River | 56.18% | 44.13% | 41.02% | 40.88% | 39.07% | 35.35% | 26.86% | 17.41% | 17.68% | 30.35% | 51.00% | 60.04% |
| Feather River | 20.12% | 18.87% | 18.20% | 17.19% | 17.22% | 18.49% | 18.87% | 16.13% | 13.27% | 15.32% | 19.96% | 20.28% |
| Yuba River | 6.23% | 9.22% | 9.67% | 9.20% | 9.07% | 9.33% | 10.02% | 10.38% | 8.54% | 5.59% | 4.64% | 4.66% |
| Bear River | 0.89% | 1.44% | 1.98% | 2.10% | 2.13% | 1.75% | 1.07% | 0.41% | 0.23% | 0.26% | 0.24% | 0.34% |
| American River | 4.92% | 8.91% | 9.80% | 10.23% | 10.02% | 10.84% | 12.09% | 12.70% | 10.88% | 6.53% | 3.16% | 2.74% |
| Cosumnes River | 0.34% | 0.96% | 1.49% | 1.90% | 2.01% | 2.10% | 1.78% | 1.08% | 0.61% | 0.36% | 0.25% | 0.16% |
| Mokelumne River | 1.04% | 1.88% | 1.88% | 1.73% | 1.85% | 2.27% | 3.39% | 4.88% | 4.78% | 2.44% | 0.87% | 0.61% |
| Calaveras River | 0.07% | 0.44% | 0.79% | 1.08% | 1.24% | 1.01% | 0.58% | 0.15% | 0.08% | 0.08% | 0.06% | 0.06% |
| Stanislaus River | 1.81% | 2.72% | 2.63% | 2.70% | 2.89% | 3.56% | 5.27% | 7.22% | 7.09% | 5.21% | 2.45% | 1.49% |
| Tuolumne River | 3.12% | 4.73% | 4.46% | 4.13% | 4.50% | 5.29% | 7.49% | 11.35% | 14.19% | 11.89% | 4.78% | 2.68% |
| Merced River | 1.32% | 1.95% | 2.16% | 2.18% | 2.62% | 2.84% | 4.03% | 6.19% | 6.92% | 5.28% | 2.40% | 1.23% |
| Chowchilla River | 0.01% | 0.14% | 0.30% | 0.40% | 0.57% | 0.50% | 0.32% | 0.10% | 0.04% | 0.02% | 0.01% | 0.01% |
| Fresno River | 0.08% | 0.17% | 0.29% | 0.37% | 0.53% | 0.55% | 0.43% | 0.24% | 0.20% | 0.18% | 0.08% | 0.09% |
| San Joaquin River | 3.54% | 3.20% | 3.00% | 2.78% | 3.17% | 4.01% | 6.48% | 11.07% | 15.13% | 16.38% | 10.10% | 5.57% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

San Joaquin River Basin Watersheds Contribution relative to the SJR Basin

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Stanislaus River | 18.32% | 21.05% | 20.46% | 21.51% | 20.25% | 21.26% | 21.95% | 19.97% | 16.27% | 13.37% | 12.34% | 13.44% |
| Tuolumne River | 31.61% | 36.65% | 34.73% | 32.85% | 31.51% | 31.58% | 31.18% | 31.38% | 32.56% | 30.52% | 24.12% | 24.25% |
| Merced River | 13.37% | 15.11% | 16.84% | 17.32% | 18.36% | 16.93% | 16.78% | 17.11% | 15.89% | 13.56% | 12.12% | 11.10% |
| Chowchilla River | 0.10% | 1.08% | 2.31% | 3.20% | 3.96% | 2.98% | 1.33% | 0.27% | 0.10% | 0.06% | 0.03% | 0.09% |
| Fresno River | 0.78% | 1.32% | 2.25% | 2.98% | 3.73% | 3.28% | 1.79% | 0.66% | 0.46% | 0.46% | 0.41% | 0.82% |
| San Joaquin River | 35.83% | 24.79% | 23.41% | 22.15% | 22.19% | 23.97% | 26.97% | 30.60% | 34.72% | 42.03% | 50.99% | 50.31% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Sacramento River Basin Watersheds Contribution relative to the SR Basin

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Stony Creek | 0.36% | 1.43% | 2.68% | 3.56% | 3.62% | 2.53% | 1.75% | 1.04% | 0.59% | 0.19% | 0.02% | 0.06% |
| Sacramento River | 62.34% | 50.67% | 47.06% | 46.76% | 45.59% | 42.46% | 35.35% | 27.29% | 31.35% | 49.72% | 63.61% | 67.51% |
| Feather River | 22.32% | 21.67% | 20.88% | 19.66% | 20.09% | 22.21% | 24.83% | 25.27% | 23.52% | 25.10% | 24.89% | 22.80% |
| Yuba River | 6.92% | 10.59% | 11.10% | 10.52% | 10.58% | 11.21% | 13.18% | 16.27% | 15.14% | 9.17% | 5.79% | 5.24% |
| Bear River | 0.99% | 1.65% | 2.28% | 2.40% | 2.48% | 2.10% | 1.41% | 0.65% | 0.42% | 0.42% | 0.30% | 0.38% |
| American River | 5.46% | 10.23% | 11.24% | 11.70% | 11.69% | 13.02% | 15.90% | 19.89% | 19.29% | 10.69% | 3.94% | 3.08% |
| Cosumnes River | 0.38% | 1.10% | 1.71% | 2.17% | 2.35% | 2.52% | 2.35% | 1.69% | 1.08% | 0.59% | 0.31% | 0.17% |
| Mokelumne River | 1.16% | 2.16% | 2.16% | 1.98% | 2.15% | 2.73% | 4.46% | 7.65% | 8.47% | 3.99% | 1.08% | 0.69% |
| Calaveras River | 0.08% | 0.51% | 0.91% | 1.24% | 1.45% | 1.21% | 0.76% | 0.24% | 0.15% | 0.13% | 0.07% | 0.07% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

SAN JOAQUIN RIVER AT VERNALIS, REQUIRED PULSE AND X2 FLOW (TAF)

| YEAR | 60-20-20 Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|---------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1922 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1937 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 127 | 0 | 0 | 0 | 1,384 |
| 1938 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1941 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1942 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1943 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1952 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1956 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1958 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1965 | W | 121 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,459 |
| 1967 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1969 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1974 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1975 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1978 | W | 61 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,399 |
| 1980 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1982 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1983 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,461 |
| 1986 | W | 123 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 127 | 0 | 0 | 0 | 1,384 |
| 1993 | W | 61 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 204 | 0 | 0 | 0 | 1,399 |
| AVG | W | 117 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 196 | 0 | 0 | 0 | 1,447 |
| 1923 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,285 |
| 1927 | AN | 118 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 204 | 0 | 0 | 0 | 1,357 |
| 1932 | AN | 61 | 0 | 0 | 0 | 190 | 131 | 241 | 238 | 127 | 0 | 0 | 0 | 988 |
| 1935 | AN | 113 | 0 | 0 | 0 | 118 | 210 | 318 | 317 | 204 | 0 | 0 | 0 | 1,280 |
| 1936 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,285 |
| 1940 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 204 | 0 | 0 | 0 | 1,362 |
| 1945 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 238 | 127 | 0 | 0 | 0 | 1,206 |
| 1946 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 238 | 127 | 0 | 0 | 0 | 1,206 |
| 1951 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,285 |
| 1963 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 204 | 0 | 0 | 0 | 1,362 |
| 1970 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,285 |
| 1973 | AN | 120 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,282 |
| 1979 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,285 |
| 1984 | AN | 123 | 0 | 0 | 0 | 190 | 210 | 318 | 317 | 127 | 0 | 0 | 0 | 1,285 |
| AVG | AN | 117 | 0 | 0 | 0 | 185 | 204 | 313 | 300 | 149 | 0 | 0 | 0 | 1,268 |
| 1925 | BN | 115 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 84 | 0 | 0 | 0 | 938 |
| 1928 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 84 | 0 | 0 | 0 | 946 |
| 1944 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 186 | 183 | 84 | 0 | 0 | 0 | 843 |
| 1948 | BN | 118 | 0 | 0 | 0 | 79 | 87 | 237 | 235 | 136 | 0 | 0 | 0 | 892 |
| 1949 | BN | 123 | 0 | 0 | 0 | 79 | 140 | 237 | 183 | 84 | 0 | 0 | 0 | 846 |
| 1950 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 84 | 0 | 0 | 0 | 946 |
| 1953 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 136 | 0 | 0 | 0 | 998 |
| 1954 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 84 | 0 | 0 | 0 | 946 |
| 1957 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 136 | 0 | 0 | 0 | 998 |
| 1962 | BN | 61 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 84 | 0 | 0 | 0 | 884 |
| 1966 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 183 | 84 | 0 | 0 | 0 | 894 |
| 1971 | BN | 123 | 0 | 0 | 0 | 127 | 140 | 237 | 235 | 136 | 0 | 0 | 0 | 998 |
| AVG | BN | 117 | 0 | 0 | 0 | 119 | 136 | 233 | 222 | 101 | 0 | 0 | 0 | 927 |
| 1926 | D | 116 | 0 | 0 | 0 | 127 | 140 | 218 | 218 | 84 | 0 | 0 | 0 | 903 |
| 1933 | D | 123 | 0 | 0 | 0 | 79 | 87 | 167 | 165 | 84 | 0 | 0 | 0 | 705 |
| 1939 | D | 123 | 0 | 0 | 0 | 127 | 140 | 167 | 165 | 84 | 0 | 0 | 0 | 806 |
| 1947 | D | 123 | 0 | 0 | 0 | 127 | 140 | 218 | 165 | 84 | 0 | 0 | 0 | 857 |
| 1955 | D | 123 | 0 | 0 | 0 | 127 | 140 | 167 | 165 | 84 | 0 | 0 | 0 | 806 |
| 1959 | D | 123 | 0 | 0 | 0 | 127 | 140 | 167 | 165 | 84 | 0 | 0 | 0 | 806 |
| 1964 | D | 123 | 0 | 0 | 0 | 127 | 140 | 167 | 165 | 84 | 0 | 0 | 0 | 806 |
| 1968 | D | 123 | 0 | 0 | 0 | 127 | 140 | 218 | 165 | 84 | 0 | 0 | 0 | 857 |
| 1972 | D | 123 | 0 | 0 | 0 | 127 | 140 | 218 | 165 | 84 | 0 | 0 | 0 | 857 |
| 1981 | D | 123 | 0 | 0 | 0 | 127 | 140 | 218 | 165 | 84 | 0 | 0 | 0 | 857 |
| 1985 | D | 123 | 0 | 0 | 0 | 127 | 140 | 167 | 165 | 84 | 0 | 0 | 0 | 806 |
| AVG | D | 122 | 0 | 0 | 0 | 123 | 135 | 190 | 170 | 84 | 0 | 0 | 0 | 824 |
| 1924 | C | 123 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 481 |
| 1929 | C | 117 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 475 |
| 1930 | C | 113 | 0 | 0 | 0 | 39 | 70 | 144 | 115 | 42 | 0 | 0 | 0 | 523 |
| 1931 | C | 61 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 419 |
| 1934 | C | 115 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 473 |
| 1960 | C | 116 | 0 | 0 | 0 | 63 | 70 | 144 | 115 | 42 | 0 | 0 | 0 | 550 |
| 1961 | C | 112 | 0 | 0 | 0 | 63 | 70 | 118 | 115 | 42 | 0 | 0 | 0 | 520 |
| 1976 | C | 123 | 0 | 0 | 0 | 39 | 70 | 118 | 115 | 42 | 0 | 0 | 0 | 507 |
| 1977 | C | 123 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 481 |
| 1987 | C | 123 | 0 | 0 | 0 | 63 | 70 | 118 | 115 | 42 | 0 | 0 | 0 | 531 |
| 1988 | C | 111 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 469 |
| 1989 | C | 61 | 0 | 0 | 0 | 39 | 70 | 144 | 115 | 42 | 0 | 0 | 0 | 471 |
| 1990 | C | 61 | 0 | 0 | 0 | 39 | 44 | 118 | 115 | 42 | 0 | 0 | 0 | 419 |
| 1991 | C | 61 | 0 | 0 | 0 | 39 | 70 | 144 | 115 | 42 | 0 | 0 | 0 | 471 |
| 1992 | C | 61 | 0 | 0 | 0 | 63 | 70 | 118 | 115 | 42 | 0 | 0 | 0 | 469 |
| 1994 | C | 123 | 0 | 0 | 0 | 63 | 70 | 118 | 115 | 42 | 0 | 0 | 0 | 531 |
| AVG | C | 100 | 0 | 0 | 0 | 47 | 59 | 125 | 115 | 42 | 0 | 0 | 0 | 487 |
| AVG ALL | | 114 | 0 | 0 | 0 | 136 | 152 | 255 | 245 | 121 | 0 | 0 | 0 | 1,023 |

DELTA, MINIMUM REQUIRED OUTFLOW

(TAF)

| YEAR | 40-30-30 Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|---------|-----------------------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-----|-----|-----|-------|
| 1927 | W | 246 | 268 | 277 | 369 | 633 | 1,241 | 1,000 | 1,274 | 513 | 492 | 299 | 179 | 6,791 |
| 1938 | W | 246 | 268 | 277 | 369 | 1,282 | 1,060 | 853 | 1,049 | 1,074 | 492 | 246 | 179 | 7,395 |
| 1941 | W | 246 | 268 | 277 | 369 | 1,164 | 1,012 | 913 | 968 | 887 | 492 | 276 | 179 | 7,051 |
| 1942 | W | 246 | 268 | 277 | 369 | 1,132 | 957 | 641 | 1,219 | 592 | 492 | 254 | 179 | 6,626 |
| 1943 | W | 246 | 268 | 277 | 369 | 1,250 | 1,116 | 1,128 | 1,159 | 428 | 492 | 325 | 179 | 7,237 |
| 1952 | W | 246 | 268 | 277 | 369 | 1,163 | 1,143 | 898 | 1,217 | 1,185 | 492 | 246 | 179 | 7,683 |
| 1953 | W | 246 | 268 | 277 | 369 | 1,149 | 864 | 652 | 645 | 412 | 492 | 260 | 179 | 5,813 |
| 1956 | W | 246 | 268 | 277 | 369 | 946 | 999 | 887 | 890 | 736 | 492 | 250 | 179 | 6,539 |
| 1958 | W | 246 | 268 | 277 | 369 | 517 | 1,125 | 860 | 996 | 1,125 | 492 | 246 | 179 | 6,700 |
| 1963 | W | 246 | 268 | 277 | 369 | 633 | 1,541 | 636 | 1,228 | 646 | 492 | 269 | 179 | 6,784 |
| 1965 | W | 246 | 268 | 277 | 369 | 1,086 | 1,099 | 512 | 1,400 | 446 | 492 | 303 | 179 | 6,677 |
| 1967 | W | 246 | 268 | 277 | 369 | 1,469 | 1,113 | 1,059 | 883 | 1,047 | 492 | 246 | 179 | 7,648 |
| 1969 | W | 246 | 268 | 277 | 369 | 1,238 | 975 | 817 | 1,206 | 1,178 | 492 | 246 | 179 | 7,491 |
| 1970 | W | 246 | 268 | 277 | 369 | 898 | 917 | 874 | 238 | 338 | 492 | 299 | 179 | 5,395 |
| 1971 | W | 246 | 268 | 277 | 369 | 1,349 | 1,057 | 1,146 | 559 | 497 | 492 | 262 | 179 | 6,701 |
| 1974 | W | 246 | 268 | 277 | 369 | 955 | 964 | 1,020 | 1,083 | 603 | 492 | 263 | 179 | 6,719 |
| 1975 | W | 246 | 268 | 277 | 369 | 633 | 1,369 | 1,065 | 587 | 836 | 492 | 249 | 179 | 6,570 |
| 1982 | W | 246 | 268 | 277 | 369 | 1,082 | 1,073 | 941 | 961 | 813 | 492 | 246 | 179 | 6,947 |
| 1983 | W | 246 | 268 | 277 | 369 | 960 | 864 | 711 | 837 | 1,007 | 492 | 246 | 179 | 6,456 |
| 1984 | W | 246 | 268 | 277 | 369 | 944 | 998 | 954 | 416 | 494 | 492 | 308 | 179 | 5,945 |
| 1986 | W | 246 | 268 | 277 | 369 | 633 | 1,166 | 887 | 711 | 573 | 492 | 301 | 179 | 6,102 |
| AVG | W | 246 | 268 | 277 | 369 | 1,006 | 1,079 | 879 | 930 | 735 | 492 | 269 | 179 | 6,727 |
| 1922 | AN | 246 | 268 | 277 | 369 | 633 | 1,348 | 780 | 581 | 1,396 | 492 | 246 | 179 | 6,815 |
| 1928 | AN | 246 | 268 | 277 | 369 | 614 | 599 | 1,311 | 997 | 343 | 492 | 308 | 179 | 6,003 |
| 1940 | AN | 246 | 268 | 277 | 555 | 633 | 1,706 | 1,126 | 1,049 | 437 | 492 | 336 | 179 | 7,304 |
| 1951 | AN | 246 | 268 | 277 | 369 | 1,090 | 1,124 | 820 | 543 | 374 | 492 | 286 | 179 | 6,068 |
| 1954 | AN | 246 | 268 | 277 | 277 | 588 | 1,323 | 1,078 | 1,283 | 366 | 492 | 298 | 179 | 6,675 |
| 1957 | AN | 246 | 268 | 277 | 277 | 412 | 625 | 1,114 | 377 | 537 | 492 | 279 | 179 | 5,083 |
| 1973 | AN | 246 | 268 | 277 | 369 | 1,346 | 1,103 | 847 | 712 | 641 | 492 | 282 | 179 | 6,762 |
| 1978 | AN | 333 | 208 | 215 | 597 | 1,581 | 1,365 | 1,268 | 1,112 | 615 | 492 | 272 | 179 | 8,237 |
| 1980 | AN | 246 | 268 | 277 | 369 | 1,295 | 1,011 | 892 | 706 | 533 | 492 | 274 | 179 | 6,542 |
| 1993 | AN | 332 | 208 | 215 | 397 | 1,540 | 1,327 | 1,311 | 1,192 | 705 | 492 | 246 | 179 | 8,144 |
| AVG | AN | 263 | 256 | 265 | 395 | 973 | 1,153 | 1,055 | 855 | 595 | 492 | 283 | 179 | 6,763 |
| 1923 | BN | 246 | 268 | 277 | 369 | 1,293 | 752 | 588 | 616 | 506 | 400 | 246 | 179 | 5,740 |
| 1935 | BN | 335 | 208 | 215 | 292 | 633 | 701 | 602 | 1,713 | 617 | 400 | 246 | 179 | 6,141 |
| 1936 | BN | 246 | 268 | 277 | 277 | 633 | 1,397 | 894 | 570 | 517 | 400 | 246 | 179 | 5,904 |
| 1937 | BN | 246 | 268 | 277 | 369 | 378 | 1,267 | 1,012 | 1,016 | 601 | 400 | 246 | 179 | 6,259 |
| 1945 | BN | 246 | 268 | 277 | 369 | 633 | 1,633 | 686 | 589 | 546 | 400 | 246 | 179 | 6,072 |
| 1946 | BN | 246 | 268 | 277 | 369 | 1,268 | 812 | 543 | 689 | 522 | 400 | 246 | 179 | 5,819 |
| 1948 | BN | 246 | 268 | 277 | 277 | 633 | 369 | 536 | 669 | 554 | 400 | 246 | 179 | 4,654 |
| 1950 | BN | 246 | 268 | 277 | 277 | 633 | 624 | 630 | 669 | 533 | 400 | 246 | 179 | 4,982 |
| 1959 | BN | 246 | 268 | 277 | 277 | 561 | 1,229 | 507 | 377 | 393 | 400 | 246 | 179 | 4,960 |
| 1962 | BN | 246 | 268 | 277 | 369 | 419 | 1,632 | 786 | 689 | 388 | 400 | 246 | 179 | 5,899 |
| 1966 | BN | 246 | 268 | 277 | 369 | 536 | 567 | 544 | 676 | 331 | 400 | 248 | 179 | 4,641 |
| 1968 | BN | 246 | 268 | 277 | 369 | 568 | 1,425 | 792 | 336 | 351 | 400 | 246 | 179 | 5,457 |
| 1972 | BN | 246 | 268 | 277 | 369 | 633 | 686 | 570 | 469 | 344 | 400 | 246 | 179 | 4,687 |
| 1979 | BN | 246 | 268 | 277 | 277 | 621 | 1,162 | 935 | 478 | 642 | 400 | 246 | 179 | 5,731 |
| AVG | BN | 252 | 264 | 273 | 331 | 674 | 1,018 | 688 | 683 | 489 | 400 | 246 | 179 | 5,496 |
| 1925 | D | 331 | 208 | 215 | 369 | 549 | 564 | 633 | 625 | 520 | 307 | 215 | 179 | 4,715 |
| 1926 | D | 246 | 268 | 277 | 277 | 407 | 610 | 572 | 634 | 304 | 307 | 215 | 179 | 4,296 |
| 1930 | D | 350 | 208 | 215 | 369 | 633 | 701 | 594 | 518 | 346 | 307 | 215 | 179 | 4,635 |
| 1932 | D | 184 | 352 | 215 | 369 | 633 | 701 | 666 | 558 | 608 | 307 | 215 | 179 | 4,987 |
| 1939 | D | 246 | 268 | 277 | 277 | 401 | 353 | 593 | 369 | 417 | 307 | 215 | 179 | 3,902 |
| 1944 | D | 246 | 268 | 277 | 277 | 401 | 618 | 531 | 340 | 462 | 307 | 215 | 179 | 4,121 |
| 1947 | D | 246 | 268 | 277 | 369 | 389 | 701 | 666 | 362 | 405 | 307 | 215 | 179 | 4,384 |
| 1949 | D | 246 | 268 | 277 | 277 | 376 | 439 | 561 | 676 | 450 | 307 | 215 | 179 | 4,271 |
| 1955 | D | 246 | 268 | 277 | 369 | 628 | 447 | 400 | 354 | 426 | 307 | 215 | 179 | 4,116 |
| 1960 | D | 246 | 268 | 277 | 277 | 495 | 701 | 668 | 459 | 344 | 307 | 215 | 179 | 4,436 |
| 1961 | D | 246 | 268 | 277 | 369 | 434 | 700 | 604 | 343 | 411 | 307 | 215 | 179 | 4,353 |
| 1964 | D | 246 | 268 | 277 | 369 | 632 | 479 | 363 | 429 | 393 | 307 | 215 | 179 | 4,157 |
| 1981 | D | 246 | 268 | 277 | 369 | 610 | 588 | 831 | 371 | 368 | 307 | 215 | 179 | 4,629 |
| 1985 | D | 246 | 268 | 277 | 369 | 404 | 664 | 504 | 580 | 337 | 307 | 215 | 179 | 4,350 |
| 1987 | D | 246 | 268 | 277 | 277 | 406 | 701 | 568 | 316 | 443 | 307 | 215 | 179 | 4,203 |
| 1989 | D | 289 | 208 | 255 | 277 | 592 | 486 | 587 | 619 | 306 | 307 | 215 | 179 | 4,320 |
| AVG | D | 257 | 262 | 264 | 329 | 499 | 591 | 584 | 472 | 409 | 307 | 215 | 179 | 4,367 |
| 1924 | C | 246 | 268 | 277 | 277 | 391 | 621 | 350 | 424 | 410 | 246 | 184 | 179 | 3,873 |
| 1929 | C | 246 | 268 | 277 | 277 | 398 | 584 | 405 | 394 | 359 | 246 | 184 | 179 | 3,817 |
| 1931 | C | 246 | 268 | 277 | 277 | 437 | 382 | 406 | 430 | 410 | 246 | 283 | 179 | 3,841 |
| 1933 | C | 246 | 268 | 277 | 277 | 410 | 382 | 600 | 355 | 415 | 246 | 283 | 179 | 3,938 |
| 1934 | C | 184 | 352 | 215 | 369 | 633 | 701 | 596 | 349 | 410 | 246 | 184 | 179 | 4,418 |
| 1976 | C | 246 | 268 | 277 | 277 | 376 | 400 | 412 | 379 | 410 | 246 | 184 | 179 | 3,654 |
| 1977 | C | 281 | 212 | 258 | 277 | 607 | 373 | 417 | 424 | 410 | 246 | 184 | 179 | 3,868 |
| 1988 | C | 246 | 268 | 277 | 369 | 633 | 484 | 402 | 408 | 410 | 246 | 208 | 179 | 4,130 |
| 1990 | C | 246 | 268 | 277 | 277 | 633 | 405 | 585 | 354 | 410 | 246 | 184 | 179 | 4,064 |
| 1991 | C | 284 | 208 | 261 | 277 | 598 | 374 | 656 | 335 | 354 | 246 | 184 | 179 | 3,956 |
| 1992 | C | 345 | 208 | 215 | 283 | 628 | 692 | 616 | 354 | 399 | 246 | 184 | 179 | 4,349 |
| 1994 | C | 246 | 268 | 277 | 277 | 396 | 624 | 471 | 364 | 410 | 246 | 184 | 179 | 3,942 |
| AVG | C | 255 | 260 | 264 | 293 | 512 | 502 | 493 | 381 | 401 | 246 | 203 | 179 | 3,988 |
| AVG ALL | | 253 | 263 | 269 | 344 | 745 | 876 | 738 | 682 | 542 | 393 | 244 | 179 | 5,528 |

DELTA, NET CONSUMPTIVE USE

(TAF)

| YEAR | 40-30-30 Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL |
|---------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1927 | W | 59 | 11 | 39 | 0 | 0 | 21 | 36 | 128 | 212 | 255 | 177 | 109 | 1,047 |
| 1938 | W | 71 | 37 | 0 | 0 | 0 | 0 | 60 | 131 | 225 | 255 | 177 | 104 | 1,060 |
| 1941 | W | 69 | 48 | 0 | 0 | 0 | 0 | 0 | 110 | 220 | 255 | 177 | 109 | 988 |
| 1942 | W | 62 | 44 | 0 | 0 | 0 | 10 | 0 | 105 | 220 | 255 | 177 | 107 | 980 |
| 1943 | W | 71 | 33 | 23 | 0 | 0 | 0 | 51 | 130 | 225 | 255 | 177 | 109 | 1,074 |
| 1952 | W | 62 | 35 | 0 | 0 | 0 | 0 | 45 | 131 | 223 | 254 | 177 | 108 | 1,035 |
| 1953 | W | 81 | 40 | 0 | 0 | 22 | 38 | 54 | 129 | 210 | 255 | 175 | 109 | 1,113 |
| 1956 | W | 78 | 45 | 0 | 0 | 0 | 49 | 51 | 117 | 221 | 255 | 177 | 90 | 1,083 |
| 1958 | W | 54 | 51 | 36 | 0 | 0 | 0 | 0 | 106 | 215 | 255 | 174 | 106 | 997 |
| 1963 | W | 24 | 47 | 20 | 0 | 0 | 0 | 0 | 114 | 221 | 255 | 177 | 102 | 960 |
| 1965 | W | 54 | 37 | 0 | 0 | 15 | 33 | 36 | 134 | 226 | 253 | 164 | 109 | 1,061 |
| 1967 | W | 81 | 17 | 0 | 0 | 15 | 0 | 0 | 127 | 204 | 255 | 177 | 108 | 984 |
| 1969 | W | 73 | 37 | 20 | 0 | 0 | 27 | 67 | 137 | 225 | 255 | 177 | 105 | 1,123 |
| 1970 | W | 59 | 46 | 3 | 0 | 0 | 26 | 87 | 147 | 220 | 255 | 177 | 107 | 1,127 |
| 1971 | W | 71 | 0 | 0 | 0 | 19 | 22 | 77 | 113 | 221 | 255 | 177 | 108 | 1,063 |
| 1974 | W | 50 | 3 | 0 | 0 | 15 | 0 | 40 | 132 | 217 | 238 | 177 | 109 | 981 |
| 1975 | W | 63 | 48 | 42 | 0 | 0 | 0 | 63 | 135 | 225 | 250 | 166 | 109 | 1,101 |
| 1982 | W | 53 | 7 | 0 | 0 | 0 | 0 | 5 | 130 | 220 | 255 | 177 | 70 | 917 |
| 1983 | W | 49 | 0 | 0 | 0 | 0 | 0 | 2 | 121 | 224 | 255 | 175 | 88 | 914 |
| 1984 | W | 73 | 4 | 0 | 0 | 0 | 32 | 82 | 145 | 225 | 255 | 176 | 108 | 1,100 |
| 1986 | W | 70 | 27 | 9 | 0 | 0 | 0 | 62 | 128 | 226 | 254 | 177 | 93 | 1,046 |
| AVG | W | 63 | 29 | 9 | 0 | 4 | 12 | 39 | 126 | 220 | 254 | 175 | 103 | 1,036 |
| 1922 | AN | 71 | 42 | 8 | 0 | 0 | 24 | 77 | 126 | 225 | 255 | 177 | 108 | 1,113 |
| 1928 | AN | 48 | 36 | 11 | 0 | 0 | 0 | 74 | 131 | 225 | 255 | 177 | 109 | 1,066 |
| 1940 | AN | 68 | 52 | 51 | 0 | 0 | 0 | 64 | 128 | 225 | 255 | 177 | 105 | 1,125 |
| 1951 | AN | 51 | 10 | 0 | 0 | 0 | 20 | 71 | 120 | 223 | 255 | 176 | 107 | 1,033 |
| 1954 | AN | 78 | 45 | 53 | 0 | 0 | 0 | 64 | 138 | 218 | 255 | 176 | 109 | 1,136 |
| 1957 | AN | 64 | 52 | 56 | 0 | 0 | 22 | 62 | 82 | 208 | 255 | 177 | 102 | 1,080 |
| 1973 | AN | 43 | 0 | 0 | 0 | 0 | 0 | 83 | 144 | 226 | 255 | 177 | 105 | 1,033 |
| 1978 | AN | 78 | 40 | 8 | 0 | 0 | 0 | 28 | 130 | 226 | 255 | 177 | 104 | 1,046 |
| 1980 | AN | 52 | 43 | 0 | 0 | 0 | 13 | 67 | 126 | 224 | 242 | 177 | 109 | 1,053 |
| 1993 | AN | 60 | 51 | 0 | 0 | 0 | 0 | 70 | 100 | 186 | 255 | 177 | 109 | 1,008 |
| AVG | AN | 61 | 37 | 19 | 0 | 0 | 8 | 66 | 123 | 219 | 254 | 177 | 107 | 1,069 |
| 1923 | BN | 65 | 31 | 0 | 0 | 14 | 53 | 26 | 135 | 221 | 255 | 177 | 93 | 1,070 |
| 1935 | BN | 73 | 34 | 16 | 0 | 9 | 0 | 0 | 128 | 226 | 255 | 177 | 108 | 1,026 |
| 1936 | BN | 61 | 48 | 43 | 0 | 0 | 26 | 66 | 118 | 203 | 255 | 177 | 102 | 1,099 |
| 1937 | BN | 69 | 52 | 31 | 0 | 0 | 0 | 70 | 139 | 223 | 255 | 177 | 109 | 1,125 |
| 1945 | BN | 62 | 31 | 2 | 0 | 0 | 0 | 85 | 130 | 225 | 255 | 177 | 109 | 1,076 |
| 1946 | BN | 46 | 44 | 0 | 0 | 8 | 21 | 91 | 125 | 226 | 254 | 177 | 108 | 1,100 |
| 1948 | BN | 48 | 47 | 54 | 0 | 21 | 4 | 34 | 97 | 204 | 255 | 177 | 107 | 1,048 |
| 1950 | BN | 79 | 47 | 48 | 0 | 0 | 19 | 80 | 138 | 226 | 255 | 177 | 100 | 1,169 |
| 1959 | BN | 79 | 51 | 54 | 0 | 0 | 46 | 89 | 155 | 226 | 255 | 177 | 57 | 1,189 |
| 1962 | BN | 80 | 35 | 48 | 0 | 0 | 24 | 88 | 145 | 226 | 254 | 177 | 108 | 1,185 |
| 1966 | BN | 80 | 26 | 0 | 0 | 0 | 47 | 90 | 146 | 225 | 250 | 177 | 108 | 1,149 |
| 1968 | BN | 79 | 46 | 49 | 0 | 0 | 1 | 83 | 139 | 226 | 255 | 142 | 109 | 1,129 |
| 1972 | BN | 78 | 47 | 22 | 0 | 8 | 64 | 87 | 154 | 220 | 255 | 177 | 90 | 1,202 |
| 1979 | BN | 81 | 38 | 55 | 0 | 0 | 6 | 69 | 134 | 226 | 252 | 177 | 109 | 1,147 |
| AVG | BN | 70 | 41 | 30 | 0 | 4 | 22 | 68 | 135 | 222 | 254 | 175 | 101 | 1,122 |
| 1925 | D | 52 | 42 | 0 | 0 | 0 | 23 | 21 | 78 | 206 | 255 | 177 | 108 | 962 |
| 1926 | D | 78 | 45 | 49 | 0 | 0 | 50 | 0 | 126 | 226 | 255 | 177 | 109 | 1,115 |
| 1930 | D | 79 | 52 | 43 | 0 | 0 | 0 | 67 | 131 | 226 | 255 | 176 | 104 | 1,133 |
| 1932 | D | 75 | 41 | 0 | 0 | 0 | 37 | 80 | 133 | 226 | 255 | 177 | 109 | 1,133 |
| 1939 | D | 63 | 49 | 52 | 0 | 2 | 9 | 96 | 140 | 226 | 255 | 177 | 105 | 1,174 |
| 1944 | D | 76 | 48 | 48 | 0 | 0 | 39 | 62 | 117 | 212 | 255 | 177 | 109 | 1,143 |
| 1947 | D | 77 | 34 | 37 | 0 | 0 | 1 | 95 | 146 | 214 | 255 | 177 | 109 | 1,145 |
| 1949 | D | 67 | 50 | 32 | 0 | 0 | 0 | 93 | 144 | 226 | 253 | 176 | 107 | 1,148 |
| 1955 | D | 81 | 38 | 14 | 0 | 0 | 39 | 45 | 118 | 222 | 255 | 177 | 102 | 1,091 |
| 1960 | D | 81 | 52 | 51 | 0 | 0 | 30 | 79 | 133 | 225 | 255 | 177 | 108 | 1,191 |
| 1961 | D | 80 | 27 | 48 | 0 | 9 | 7 | 77 | 136 | 226 | 255 | 175 | 103 | 1,143 |
| 1964 | D | 58 | 31 | 52 | 0 | 22 | 47 | 96 | 155 | 200 | 254 | 173 | 107 | 1,195 |
| 1981 | D | 80 | 51 | 47 | 0 | 8 | 0 | 80 | 140 | 226 | 255 | 177 | 101 | 1,165 |
| 1985 | D | 54 | 0 | 4 | 0 | 0 | 0 | 82 | 142 | 220 | 255 | 177 | 101 | 1,035 |
| 1987 | D | 80 | 52 | 51 | 0 | 0 | 0 | 91 | 149 | 226 | 255 | 177 | 109 | 1,190 |
| 1989 | D | 78 | 41 | 39 | 0 | 2 | 0 | 92 | 150 | 223 | 255 | 173 | 57 | 1,110 |
| AVG | D | 72 | 41 | 35 | 0 | 3 | 18 | 72 | 134 | 221 | 255 | 176 | 103 | 1,130 |
| 1924 | C | 74 | 49 | 53 | 0 | 3 | 41 | 100 | 159 | 226 | 255 | 177 | 108 | 1,245 |
| 1929 | C | 80 | 33 | 12 | 0 | 4 | 26 | 89 | 151 | 190 | 255 | 177 | 109 | 1,126 |
| 1931 | C | 64 | 45 | 57 | 0 | 0 | 37 | 98 | 119 | 216 | 255 | 177 | 109 | 1,177 |
| 1933 | C | 81 | 50 | 44 | 0 | 12 | 8 | 98 | 128 | 225 | 255 | 177 | 108 | 1,186 |
| 1934 | C | 65 | 52 | 24 | 0 | 0 | 51 | 94 | 145 | 216 | 255 | 177 | 102 | 1,181 |
| 1976 | C | 46 | 51 | 57 | 1 | 22 | 74 | 87 | 168 | 222 | 255 | 151 | 92 | 1,226 |
| 1977 | C | 71 | 48 | 52 | 0 | 27 | 50 | 96 | 114 | 224 | 255 | 177 | 92 | 1,206 |
| 1988 | C | 69 | 41 | 16 | 0 | 15 | 50 | 70 | 122 | 207 | 255 | 177 | 109 | 1,131 |
| 1990 | C | 59 | 43 | 55 | 0 | 0 | 46 | 91 | 71 | 214 | 255 | 177 | 108 | 1,119 |
| 1991 | C | 75 | 50 | 50 | 1 | 20 | 0 | 83 | 124 | 181 | 255 | 173 | 109 | 1,121 |
| 1992 | C | 51 | 50 | 50 | 0 | 0 | 0 | 70 | 139 | 221 | 255 | 177 | 109 | 1,122 |
| 1994 | C | 71 | 38 | 43 | 0 | 0 | 51 | 77 | 92 | 222 | 255 | 177 | 106 | 1,132 |
| AVG | C | 67 | 46 | 43 | 0 | 9 | 36 | 88 | 128 | 214 | 255 | 175 | 105 | 1,164 |
| AVG ALL | | 67 | 38 | 26 | 0 | 4 | 19 | 64 | 129 | 219 | 254 | 175 | 104 | 1,099 |

AVERAGE REQUIRED FLOWS IN WET YEARS (TAF)

Contribution based on 1922-1992 average unimpaired flows and DWRSIM Study 1995C06F-SWRCB-469 data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------------|------------|------------|------------|--------------|--------------|------------|--------------|------------|------------|------------|------------|
| Stony Creek | 1 | 4 | 7 | 12 | 30 | 22 | 10 | 7 | 4 | 1 | 0 | 0 |
| Sacramento River | 120 | 133 | 118 | 151 | 374 | 374 | 194 | 189 | 238 | 275 | 249 | 177 |
| Feather River | 43 | 57 | 52 | 63 | 165 | 196 | 136 | 175 | 178 | 139 | 97 | 60 |
| Yuba River | 13 | 28 | 28 | 34 | 87 | 99 | 72 | 112 | 115 | 51 | 23 | 14 |
| Bear River | 2 | 4 | 6 | 8 | 20 | 19 | 8 | 4 | 3 | 2 | 1 | 1 |
| American River | 11 | 27 | 28 | 38 | 96 | 115 | 87 | 137 | 146 | 59 | 15 | 8 |
| Cosumnes River | 1 | 3 | 4 | 7 | 19 | 22 | 13 | 12 | 8 | 3 | 1 | 0 |
| Mokelumne River | 2 | 6 | 5 | 6 | 18 | 24 | 24 | 53 | 64 | 22 | 4 | 2 |
| Calaveras River | 0 | 1 | 2 | 4 | 12 | 11 | 4 | 2 | 1 | 1 | 0 | 0 |
| Stanislaus River | 21 | 7 | 7 | 10 | 38 | 45 | 81 | 73 | 32 | 26 | 7 | 3 |
| Tuolumne River | 37 | 13 | 12 | 15 | 60 | 66 | 115 | 115 | 64 | 59 | 13 | 5 |
| Merced River | 16 | 5 | 6 | 8 | 35 | 36 | 62 | 62 | 31 | 26 | 6 | 2 |
| Chowchilla River | 0 | 0 | 1 | 1 | 8 | 6 | 5 | 1 | 0 | 0 | 0 | 0 |
| Fresno River | 1 | 0 | 1 | 1 | 7 | 7 | 7 | 2 | 1 | 1 | 0 | 0 |
| San Joaquin River | 42 | 9 | 8 | 10 | 42 | 50 | 100 | 112 | 68 | 81 | 27 | 10 |
| Total | 309 | 297 | 286 | 369 | 1,010 | 1,091 | 918 | 1,056 | 955 | 746 | 444 | 282 |

Sacramento side (months with SJR objectives) = (SAC %) x (Adj Avg Min Delta Outflow) + (SAC %) x (Avg CU)
 Sacramento side (months w/o SJR objectives) = (Overall %) x (Adj Avg Min Delta Outflow) + (SAC %) x (Avg CU)

San Joaquin side (months with SJR objectives) = (SJR %) x (Avg SJR flow objective)
 San Joaquin side (months w/o SJR objectives) = (Overall %) x (Adj Avg Min Delta Outflow)

Average Required SJR Flow by Year Type

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| W | 117 | 0 | 0 | 0 | 190 | 210 | 369 | 365 | 196 | 0 | 0 | 0 |
| AN | 117 | 0 | 0 | 0 | 185 | 204 | 313 | 300 | 149 | 0 | 0 | 0 |
| BN | 117 | 0 | 0 | 0 | 119 | 136 | 233 | 222 | 101 | 0 | 0 | 0 |
| D | 122 | 0 | 0 | 0 | 123 | 135 | 190 | 170 | 84 | 0 | 0 | 0 |
| C | 100 | 0 | 0 | 0 | 47 | 59 | 125 | 115 | 42 | 0 | 0 | 0 |

Adjusted Average Minimum Delta Outflow by Year Type (Avg Min Delta Outflow - Avg Required SJR Flow)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| W | 129 | 268 | 277 | 369 | 816 | 869 | 510 | 565 | 538 | 492 | 269 | 179 |
| AN | 146 | 256 | 265 | 395 | 788 | 949 | 742 | 555 | 446 | 492 | 283 | 179 |
| BN | 136 | 264 | 273 | 331 | 555 | 883 | 455 | 461 | 388 | 400 | 246 | 179 |
| D | 134 | 262 | 264 | 329 | 377 | 456 | 394 | 302 | 325 | 307 | 215 | 179 |
| C | 155 | 260 | 264 | 293 | 465 | 443 | 369 | 266 | 359 | 246 | 203 | 179 |

Average Minimum Consumptive Use by Year Type (TAF)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| W | 63 | 29 | 9 | 0 | 4 | 12 | 39 | 126 | 220 | 254 | 175 | 103 |
| AN | 61 | 37 | 19 | 0 | 0 | 8 | 66 | 123 | 219 | 254 | 177 | 107 |
| BN | 70 | 41 | 30 | 0 | 4 | 22 | 68 | 135 | 222 | 254 | 175 | 101 |
| D | 72 | 41 | 35 | 0 | 3 | 18 | 72 | 134 | 221 | 255 | 176 | 103 |
| C | 67 | 46 | 43 | 0 | 9 | 36 | 88 | 128 | 214 | 255 | 175 | 105 |

AVERAGE REQUIRED FLOWS IN ABOVE NORMAL YEARS (TAF)

Contribution based on 1922-1992 average unimpaired flows and DWRSIM Study 1995C06F-SWRCB-469 data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------------|------------|------------|------------|------------|--------------|--------------|------------|------------|------------|------------|------------|
| Stony Creek | 1 | 4 | 7 | 12 | 29 | 24 | 14 | 7 | 4 | 1 | 0 | 0 |
| Sacramento River | 129 | 132 | 117 | 161 | 359 | 406 | 286 | 185 | 208 | 275 | 257 | 180 |
| Feather River | 46 | 56 | 52 | 68 | 158 | 213 | 201 | 171 | 156 | 139 | 100 | 61 |
| Yuba River | 14 | 28 | 28 | 36 | 83 | 107 | 107 | 110 | 101 | 51 | 23 | 14 |
| Bear River | 2 | 4 | 6 | 8 | 20 | 20 | 11 | 4 | 3 | 2 | 1 | 1 |
| American River | 11 | 27 | 28 | 40 | 92 | 125 | 129 | 135 | 128 | 59 | 16 | 8 |
| Cosumnes River | 1 | 3 | 4 | 8 | 19 | 24 | 19 | 11 | 7 | 3 | 1 | 0 |
| Mokelumne River | 2 | 6 | 5 | 7 | 17 | 26 | 36 | 52 | 56 | 22 | 4 | 2 |
| Calaveras River | 0 | 1 | 2 | 4 | 11 | 12 | 6 | 2 | 1 | 1 | 0 | 0 |
| Stanislaus River | 21 | 7 | 7 | 11 | 37 | 43 | 69 | 60 | 24 | 26 | 7 | 3 |
| Tuolumne River | 37 | 12 | 12 | 16 | 58 | 65 | 97 | 94 | 49 | 59 | 14 | 5 |
| Merced River | 16 | 5 | 6 | 9 | 34 | 35 | 52 | 51 | 24 | 26 | 7 | 2 |
| Chowchilla River | 0 | 0 | 1 | 2 | 7 | 6 | 4 | 1 | 0 | 0 | 0 | 0 |
| Fresno River | 1 | 0 | 1 | 1 | 7 | 7 | 6 | 2 | 1 | 1 | 0 | 0 |
| San Joaquin River | 42 | 8 | 8 | 11 | 41 | 49 | 84 | 92 | 52 | 81 | 29 | 10 |
| Total | 325 | 293 | 283 | 395 | 973 | 1,161 | 1,121 | 978 | 813 | 746 | 460 | 286 |

AVERAGE REQUIRED FLOWS IN BELOW NORMAL YEARS (TAF)

Contribution based on 1922-1992 average unimpaired flows and DWRSIM Study 1995C06F-SWRCB-469 data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|
| Stony Creek | 1 | 4 | 7 | 10 | 20 | 23 | 9 | 6 | 4 | 1 | 0 | 0 |
| Sacramento River | 128 | 137 | 126 | 135 | 255 | 384 | 185 | 162 | 191 | 248 | 237 | 176 |
| Feather River | 46 | 59 | 56 | 57 | 112 | 201 | 130 | 150 | 143 | 125 | 93 | 59 |
| Yuba River | 14 | 29 | 30 | 30 | 59 | 101 | 69 | 97 | 92 | 46 | 22 | 14 |
| Bear River | 2 | 4 | 6 | 7 | 14 | 19 | 7 | 4 | 3 | 2 | 1 | 1 |
| American River | 11 | 28 | 30 | 34 | 65 | 118 | 83 | 118 | 118 | 53 | 15 | 8 |
| Cosumnes River | 1 | 3 | 5 | 6 | 13 | 23 | 12 | 10 | 7 | 3 | 1 | 0 |
| Mokelumne River | 2 | 6 | 6 | 6 | 12 | 25 | 23 | 46 | 52 | 20 | 4 | 2 |
| Calaveras River | 0 | 1 | 2 | 4 | 8 | 11 | 4 | 1 | 1 | 1 | 0 | 0 |
| Stanislaus River | 21 | 7 | 7 | 9 | 24 | 29 | 51 | 44 | 16 | 21 | 6 | 3 |
| Tuolumne River | 37 | 12 | 12 | 14 | 37 | 43 | 73 | 70 | 33 | 48 | 12 | 5 |
| Merced River | 16 | 5 | 6 | 7 | 22 | 23 | 39 | 38 | 16 | 21 | 6 | 2 |
| Chowchilla River | 0 | 0 | 1 | 1 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 0 |
| Fresno River | 1 | 0 | 1 | 1 | 4 | 4 | 4 | 1 | 0 | 1 | 0 | 0 |
| San Joaquin River | 42 | 8 | 8 | 9 | 26 | 32 | 63 | 68 | 35 | 66 | 25 | 10 |
| Total | 322 | 305 | 303 | 331 | 679 | 1,041 | 756 | 817 | 711 | 654 | 421 | 280 |

AVERAGE REQUIRED FLOWS IN DRY YEARS (TAF)

Contribution based on 1922-1992 average unimpaired flows and DWRSIM Study 1995C06F-SWRCB-469 data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Stony Creek | 1 | 4 | 7 | 10 | 14 | 12 | 8 | 5 | 3 | 1 | 0 | 0 |
| Sacramento River | 129 | 136 | 125 | 134 | 173 | 201 | 165 | 119 | 171 | 220 | 222 | 177 |
| Feather River | 46 | 58 | 55 | 57 | 76 | 105 | 116 | 110 | 128 | 111 | 87 | 60 |
| Yuba River | 14 | 28 | 29 | 30 | 40 | 53 | 61 | 71 | 83 | 41 | 20 | 14 |
| Bear River | 2 | 4 | 6 | 7 | 9 | 10 | 7 | 3 | 2 | 2 | 1 | 1 |
| American River | 11 | 28 | 30 | 34 | 44 | 62 | 74 | 87 | 105 | 47 | 14 | 8 |
| Cosumnes River | 1 | 3 | 5 | 6 | 9 | 12 | 11 | 7 | 6 | 3 | 1 | 0 |
| Mokelumne River | 2 | 6 | 6 | 6 | 8 | 13 | 21 | 33 | 46 | 18 | 4 | 2 |
| Calaveras River | 0 | 1 | 2 | 4 | 5 | 6 | 4 | 1 | 1 | 1 | 0 | 0 |
| Stanislaus River | 22 | 7 | 7 | 9 | 25 | 29 | 42 | 34 | 14 | 16 | 5 | 3 |
| Tuolumne River | 39 | 12 | 12 | 14 | 39 | 43 | 59 | 53 | 27 | 37 | 10 | 5 |
| Merced River | 16 | 5 | 6 | 7 | 23 | 23 | 32 | 29 | 13 | 16 | 5 | 2 |
| Chowchilla River | 0 | 0 | 1 | 1 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 |
| Fresno River | 1 | 0 | 1 | 1 | 5 | 4 | 3 | 1 | 0 | 1 | 0 | 0 |
| San Joaquin River | 44 | 8 | 8 | 9 | 27 | 32 | 51 | 52 | 29 | 50 | 22 | 10 |
| Total | 329 | 303 | 299 | 329 | 502 | 608 | 656 | 606 | 629 | 562 | 391 | 282 |

AVERAGE REQUIRED FLOWS IN CRITICALLY DRY YEARS (TAF)

Contribution based on 1922-1992 average unimpaired flows and DWRSIM Study 1995C06F-SWRCB-469 data

| Watershed | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Stony Creek | 1 | 4 | 7 | 9 | 17 | 12 | 8 | 4 | 3 | 1 | 0 | 0 |
| Sacramento River | 138 | 138 | 128 | 120 | 216 | 204 | 161 | 107 | 179 | 201 | 214 | 178 |
| Feather River | 50 | 59 | 57 | 50 | 95 | 106 | 113 | 99 | 135 | 102 | 84 | 60 |
| Yuba River | 15 | 29 | 30 | 27 | 50 | 54 | 60 | 64 | 87 | 37 | 20 | 14 |
| Bear River | 2 | 4 | 6 | 6 | 12 | 10 | 6 | 3 | 2 | 2 | 1 | 1 |
| American River | 12 | 28 | 31 | 30 | 55 | 62 | 73 | 78 | 110 | 43 | 13 | 8 |
| Cosumnes River | 1 | 3 | 5 | 6 | 11 | 12 | 11 | 7 | 6 | 2 | 1 | 0 |
| Mokelumne River | 3 | 6 | 6 | 5 | 10 | 13 | 20 | 30 | 48 | 16 | 4 | 2 |
| Calaveras River | 0 | 1 | 2 | 3 | 7 | 6 | 3 | 1 | 1 | 1 | 0 | 0 |
| Stanislaus River | 18 | 7 | 7 | 8 | 9 | 12 | 27 | 23 | 7 | 13 | 5 | 3 |
| Tuolumne River | 32 | 12 | 12 | 12 | 15 | 19 | 39 | 36 | 14 | 29 | 10 | 5 |
| Merced River | 13 | 5 | 6 | 6 | 9 | 10 | 21 | 20 | 7 | 13 | 5 | 2 |
| Chowchilla River | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| Fresno River | 1 | 0 | 1 | 1 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| San Joaquin River | 36 | 8 | 8 | 8 | 10 | 14 | 34 | 35 | 15 | 40 | 20 | 10 |
| Total | 322 | 306 | 307 | 293 | 520 | 538 | 581 | 509 | 614 | 501 | 377 | 284 |

Yuba River Watershed

Minimum Required Downstream Flow at Control Point 45 on the Yuba River Model Network (TAF) (see footnote 1)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Wet | 8.7 | 18.3 | 18.3 | 22.3 | 57.0 | 64.9 | 47.5 | 73.9 | 75.5 | 33.4 | 14.9 | 9.0 |
| Above Normal | 9.4 | 18.1 | 18.2 | 23.9 | 54.8 | 70.4 | 70.0 | 72.4 | 66.1 | 33.4 | 15.4 | 9.1 |
| Below Normal | 9.3 | 18.8 | 19.5 | 20.0 | 38.9 | 66.6 | 45.3 | 63.6 | 60.6 | 30.0 | 14.1 | 9.0 |
| Dry | 9.4 | 18.7 | 19.4 | 19.9 | 26.4 | 34.8 | 40.3 | 46.6 | 54.3 | 26.6 | 13.3 | 9.0 |
| Critically Dry | 10.1 | 19.0 | 19.9 | 17.7 | 32.9 | 35.3 | 39.5 | 42.1 | 56.9 | 24.4 | 12.8 | 9.1 |

Minimum Required Downstream Flow at Control Point 30 on the Yuba River Model Network (TAF) (see footnote 2)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|
| Wet | 1.3 | 2.6 | 2.6 | 3.2 | 8.2 | 9.4 | 6.9 | 10.7 | 10.9 | 4.8 | 2.1 | 1.3 |
| Above Normal | 1.4 | 2.6 | 2.6 | 3.4 | 7.9 | 10.2 | 10.1 | 10.4 | 9.5 | 4.8 | 2.2 | 1.3 |
| Below Normal | 1.3 | 2.7 | 2.8 | 2.9 | 5.6 | 9.6 | 6.5 | 9.2 | 8.7 | 4.3 | 2.0 | 1.3 |
| Dry | 1.4 | 2.7 | 2.8 | 2.9 | 3.8 | 5.0 | 5.8 | 6.7 | 7.8 | 3.8 | 1.9 | 1.3 |
| Critically Dry | 1.5 | 2.7 | 2.9 | 2.6 | 4.8 | 5.1 | 5.7 | 6.1 | 8.2 | 3.5 | 1.8 | 1.3 |

Minimum Required Downstream Flow at Control Point 12 on the Yuba River Model Network (TAF) (see footnote 3)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|
| Wet | 13.3 | 27.8 | 27.8 | 33.9 | 86.7 | 98.7 | 72.3 | 112.4 | 114.9 | 50.8 | 22.6 | 13.7 |
| Above Normal | 14.3 | 27.5 | 27.7 | 36.3 | 83.4 | 107.2 | 106.6 | 110.2 | 100.6 | 50.8 | 23.4 | 13.9 |
| Below Normal | 14.2 | 28.7 | 29.7 | 30.4 | 59.2 | 101.4 | 69.0 | 96.8 | 92.3 | 45.7 | 21.5 | 13.6 |
| Dry | 14.3 | 28.5 | 29.5 | 30.2 | 40.2 | 53.0 | 61.4 | 70.9 | 82.6 | 40.5 | 20.2 | 13.7 |
| Critically Dry | 15.4 | 28.9 | 30.3 | 27.0 | 50.1 | 53.7 | 60.2 | 64.0 | 86.7 | 37.1 | 19.5 | 13.8 |

Footnote 1

If minimum downstream flows are not met at CP 45, apply deficiencies to the Drum / S. Yuba Canal (NID 13.3%, PG&E 86.7%)

Footnote 2

If minimum downstream flows are not met at CP 30, apply deficiencies to the Slate Creek Tunnel diversion operated by OWID

Footnote 3

If minimum downstream flows are not met at CP 12, apply deficiencies to Yuba County Water Agency

Water Year Type is based on the Sacramento 40-30-30 index.

Bear River Watershed

Minimum Required Downstream Flow at Control Point 3 on the Bear River Model Network (TAF)

(see footnote 1)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Wet | 0.7 | 1.5 | 2.0 | 2.7 | 7.1 | 6.5 | 2.7 | 1.6 | 1.1 | 0.8 | 0.4 | 0.3 |
| Above Normal | 0.7 | 1.5 | 2.0 | 2.9 | 6.8 | 7.0 | 4.0 | 1.5 | 1.0 | 0.8 | 0.4 | 0.4 |
| Below Normal | 0.7 | 1.6 | 2.1 | 2.4 | 4.9 | 6.6 | 2.6 | 1.3 | 0.9 | 0.7 | 0.4 | 0.3 |
| Dry | 0.7 | 1.5 | 2.1 | 2.4 | 3.3 | 3.5 | 2.3 | 1.0 | 0.8 | 0.7 | 0.4 | 0.3 |
| Critically Dry | 0.8 | 1.6 | 2.2 | 2.1 | 4.1 | 3.5 | 2.2 | 0.9 | 0.8 | 0.6 | 0.4 | 0.3 |

Minimum Required Downstream Flow at Control Point 30 on the Bear River Model Network (TAF)

(see footnote 2)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|
| Wet | 1.9 | 4.3 | 5.7 | 7.8 | 20.4 | 18.5 | 7.7 | 4.5 | 3.2 | 2.3 | 1.2 | 1.0 |
| Above Normal | 2.0 | 4.3 | 5.7 | 8.3 | 19.6 | 20.1 | 11.4 | 4.4 | 2.8 | 2.3 | 1.2 | 1.0 |
| Below Normal | 2.0 | 4.5 | 6.1 | 6.9 | 13.9 | 19.0 | 7.4 | 3.8 | 2.5 | 2.1 | 1.1 | 1.0 |
| Dry | 2.0 | 4.4 | 6.0 | 6.9 | 9.4 | 9.9 | 6.6 | 2.8 | 2.3 | 1.9 | 1.0 | 1.0 |
| Critically Dry | 2.2 | 4.5 | 6.2 | 6.2 | 11.8 | 10.1 | 6.4 | 2.5 | 2.4 | 1.7 | 1.0 | 1.0 |

Footnote 1

If minimum downstream flow is not met at CP 3, then apply deficiencies to the Bear River Canal, Gold Hill Combie Canal, Tarr Ditch, and depletion at CP 35.

Footnote 2

If minimum downstream flow at CP 30 is not met, apply 11.5% of the deficiency to Camp Far West ID at CP 26 and 88.5% of the deficiency to South Sutter WD at CP 28.

Tuolumne River Watershed

Minimum Required Inflow to Control Point 81 on the DWRSIM Network (TAF)

(see footnote 3)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|
| Wet | 7.8 | 2.7 | 2.6 | 3.2 | 12.6 | 14.0 | 24.3 | 24.2 | 13.5 | 12.3 | 2.7 | 1.0 |
| Above Normal | 7.8 | 2.6 | 2.5 | 3.4 | 12.3 | 13.6 | 20.6 | 19.9 | 10.2 | 12.3 | 2.9 | 1.0 |
| Below Normal | 7.8 | 2.6 | 2.6 | 2.9 | 7.9 | 9.0 | 15.3 | 14.7 | 7.0 | 10.0 | 2.5 | 1.0 |
| Dry | 8.2 | 2.6 | 2.5 | 2.9 | 8.2 | 9.0 | 12.5 | 11.2 | 5.8 | 7.7 | 2.2 | 1.0 |
| Critically Dry | 6.7 | 2.6 | 2.5 | 2.5 | 3.1 | 3.9 | 8.2 | 7.6 | 2.9 | 6.2 | 2.0 | 1.0 |

Minimum Required Downstream Flow at Control Point 81 on the DWRSIM Network (TAF)

(see footnote 4)

| Year Type | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------------|------|------|------|------|------|------|-------|-------|------|------|------|-----|
| Wet | 36.9 | 12.7 | 12.3 | 15.2 | 59.9 | 66.3 | 115.1 | 114.5 | 63.9 | 58.5 | 12.8 | 4.8 |
| Above Normal | 37.1 | 12.1 | 11.8 | 16.3 | 58.3 | 64.5 | 97.4 | 94.2 | 48.5 | 58.5 | 13.5 | 4.8 |
| Below Normal | 36.9 | 12.5 | 12.1 | 13.6 | 37.5 | 42.8 | 72.6 | 69.7 | 33.0 | 47.6 | 11.8 | 4.8 |
| Dry | 38.7 | 12.4 | 11.8 | 13.6 | 38.6 | 42.7 | 59.3 | 53.3 | 27.3 | 36.5 | 10.3 | 4.8 |
| Critically Dry | 31.7 | 12.3 | 11.8 | 12.1 | 14.7 | 18.5 | 38.8 | 36.1 | 13.7 | 29.3 | 9.7 | 4.8 |

Footnote 3

If minimum required inflow to control point 81 is not met, apply the deficiency to the City of San Francisco exports.

Footnote 4

If the minimum required downstream flow at control point 81 is not met, make additional releases out of New Don Pedro Reservoir to make up the deficiency

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| | Alternative 8 | A5-330 |
| | Alternative 9 | A5-338 |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|----------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 468 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Steamboat | | | | | | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | | | | | | |
| 7 | Smoother | | | | | | | | | | | | | | | | | | | | Smoother | | | | | | | | | | | | | | | | | | | | |
| 8 | USBR | | | | | | | | | | | | | | | | | | | | USBR | | | | | | | | | | | | | | | | | | | | |
| 9 | Flow | | | | | | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | | | | | | |
| 10 | CVP + SWP | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | | | | | | |
| 11 | Exports | | | | | | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | | | | | | |
| 12 | Slough | | | | | | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | | | | | | |
| 13 | X-Channel | | | | | | | | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | | | | | | |
| 14 | observed | | | | | | | | | | | | | | | | | | | | observed | | | | | | | | | | | | | | | | | | | | |
| 15 | temp f | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | | | | | | |
| 16 | m1 | | | | | | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | | | | | | |
| 17 | m2 | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | | | | | | |
| 18 | m3 | | | | | | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | | | | | | |
| 19 | m23 | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | | | | | | |
| 20 | m123 | | | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 22 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 23 | Weighted | | | | | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | | | | | | |
| 24 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 25 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 26 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 27 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 28 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 29 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 30 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 31 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 32 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 33 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 34 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 35 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 36 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 37 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 38 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 39 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 40 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 41 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 42 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 43 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 44 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 45 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 46 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 47 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 48 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 49 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 50 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 51 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 52 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 53 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 54 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 55 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 56 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 57 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 58 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 59 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 60 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 61 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 62 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 63 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 64 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 65 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 66 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 67 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 68 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 69 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 70 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 71 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 72 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 73 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 74 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 75 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 76 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 77 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 78 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 79 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 80 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 81 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 82 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 83 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 84 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 85 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 86 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 87 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 88 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 89 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 90 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 91 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 92 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 93 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 94 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |

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|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 80 | Formulas Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | CS =Study 468 Flow Data\I*G7 | | | | | | | | | | | | | | | | | | | | R8 =Study 468 Flow Data\I*H7 | | | | | | | | | | | | | | | | | | | | AG8 =Study 468 Flow Data\I*J7 | | | | | | | | | | | | | | | | | | | |
| 82 | DE =Study 468 Flow Data\I*G7 | | | | | | | | | | | | | | | | | | | | S8 =Study 468 Flow Data\I*H7 | | | | | | | | | | | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | | | |
| 83 | ER =Study 468 Flow Data\I*O7 | | | | | | | | | | | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | | | | AH8 =Study 468 Flow Data\I*J7 | | | | | | | | | | | | | | | | | | | |
| 84 | FB =Study 468 Flow Data\I*O7 | | | | | | | | | | | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | | | | AI8 =Study 468 Flow Data\I*J7 | | | | | | | | | | | | | | | | | | | |
| 85 | FG =D8+E8 | | | | | | | | | | | | | | | | | | | | UH8 =S8+T8 | | | | | | | | | | | | | | | | | | | | AJ8 =AH8+AI8 | | | | | | | | | | | | | | | | | | | |
| 86 | GH =0.374*C8-950 | | | | | | | | | | | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | | | | | | | | | | | AK8 =0.374*AG8-950 | | | | | | | | | | | | | | | | | | | |
| 87 | HF =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | | | | | | | | | | | AL8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | | | | | | | | | | |
| 88 | IB =0.133*C8+829)/(C8-G8) | | | | | | | | | | | | | | | | | | | | X8 =0.133*R8+829)/(R8-V8))+0.16*W8 | | | | | | | | | | | | | | | | | | | | AM8 =0.133*AG8+829)/(AG8-AK8))+0.16*W8 | | | | | | | | | | | | | | | | | | | |
| 89 | KB =IF((-2.45925+(0.0420748*J8))<0,(-2.45925+(0.0420748*J8))) | | | | | | | | | | | | | | | | | | | | Z8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | | | | | | AO8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | | | | | |
| 90 | LB =((-0.5916024)+(0.017968*J8))<0,(0.0000434*F8) | | | | | | | | | | | | | | | | | | | | AA8 =((-0.5916024)+(0.017968*Y8)) | | | | | | | | | | | | | | | | | | | | AP8 =IF((-0.5916024)+(0.017968*Y8))<0,(0.0000434*J8)) | | | | | | | | | | | | | | | | | | | |
| 91 | MB =1.613493+(0.0319584*J8) | | | | | | | | | | | | | | | | | | | | AB8 =1.613493+(0.0319584*Y8) | | | | | | | | | | | | | | | | | | | | AQ8 =1.613493+(0.0319584*Y8) | | | | | | | | | | | | | | | | | | | |
| 92 | NB =L8*H8)/(M8*(1-I8)) | | | | | | | | | | | | | | | | | | | | AC8 =A8*B8)/(M8*(1-I8)) | | | | | | | | | | | | | | | | | | | | AR8 =AP8*AM8)/(AO8*(1-AM8)) | | | | | | | | | | | | | | | | | | | |
| 93 | OC =K8*N8)/(K8*N8) | | | | | | | | | | | | | | | | | | | | AD8 =Z8*AC8)/(Z8*AC8) | | | | | | | | | | | | | | | | | | | | AS8 =AO8*AR8)/(AO8*AR8) | | | | | | | | | | | | | | | | | | | |
| 94 | PB =-O8 | | | | | | | | | | | | | | | | | | | | AE8 =1-A8 | | | | | | | | | | | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | | | | | | | | | | |

Average: 33.03%

| | | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV | AW |
|----|--|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 507 Sacramento River Fall Run Smolt Survival Model | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | MAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Water Year | | Sacramento River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Year | | Year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Flow Type | | Flow Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 1922 A | | 1922 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 1923 B | | 1923 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1924 C | | 1924 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 1925 D | | 1925 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 1926 E | | 1926 E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 1927 W | | 1927 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 1928 A | | 1928 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1929 C | | 1929 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 1930 D | | 1930 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 1931 E | | 1931 E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1932 F | | 1932 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 1933 G | | 1933 G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1934 H | | 1934 H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 1935 B | | 1935 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 1936 B | | 1936 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 1937 B | | 1937 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 1938 W | | 1938 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1939 D | | 1939 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 1940 A | | 1940 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 1941 W | | 1941 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 1942 W | | 1942 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 1943 W | | 1943 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1944 D | | 1944 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 1945 E | | 1945 E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 1946 B | | 1946 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 1947 D | | 1947 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 1948 B | | 1948 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1949 D | | 1949 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 1950 B | | 1950 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 1951 A | | 1951 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 1952 W | | 1952 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 1953 W | | 1953 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 1954 A | | 1954 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 1955 D | | 1955 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 1956 W | | 1956 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 1957 A | | 1957 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 1958 W | | 1958 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 1959 B | | 1959 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 1960 D | | 1960 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 1961 D | | 1961 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 1962 B | | 1962 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 1963 W | | 1963 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 1964 D | | 1964 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 1965 W | | 1965 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 1966 B | | 1966 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 1967 W | | 1967 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 1968 B | | 1968 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1969 W | | 1969 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 1970 D | | 1970 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 1971 W | | 1971 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 1972 B | | 1972 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 1973 A | | 1973 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 1974 W | | 1974 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 1975 W | | 1975 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 1976 C | | 1976 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 1977 C | | 1977 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 1978 A | | 1978 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1979 B | | 1979 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 1980 A | | 1980 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 1981 D | | 1981 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 1982 W | | 1982 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 1983 B | | 1983 B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 1984 W | | 1984 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 1985 D | | 1985 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 1986 W | | 1986 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 1987 D | | 1987 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 1988 C | | 1988 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 1989 D | | 1989 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 1990 D | | 1990 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 1991 C | | 1991 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 1992 C | | 1992 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | Average: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | Formulas | | Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | C8 = Study 513 Revised Flow Data\I7 | | R8 = Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | A8 = Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | D8 = Study 513 Revised Flow Data\I7 (HIDDEN) | | S8 = Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | | | | | | | | | A8 = Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | E8 = Study 513 Revised Flow Data\IAA7 (HIDDEN) | | T8 = Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | | | | | | | | | A8 = (A8+A8) | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | F8 = (D8+E8) | | U8 = (S8+T8) | | | | | | | | | | | | | | | | | A8 = 0.374*(C8-950) | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | G8 = 0.374*(C8-950) | | V8 = 0.374*(R8-950) | | | | | | | | | | | | | | | | | AL = IF(A8<25000,(0.133*(A8+829))+(A8-A8),(0.293*(A8+2090))+(A8-A8)) | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | H8 = IF(C8<25000,(0.133*(C8+829))+(C8-G8),(0.293*(C8+2090))+(C8-G8)) | | W8 = IF(R8<25000,(0.133*(R8+829))+(R8-V8),(0.293*(R8+2090))+(R8-V8)) | | | | | | | | | | | | | | | | | A8 = (0.27*(0.133*(A8+829))+(A8-A8))+0.73*(AL) | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | I8 = (0.133*(C8+829))+(C8-G8) | | X8 = (0.133*(R8+829))+(R8-V8) | | | | | | | | | | | | | | | | | AOB = (2.45925+(0.0420748*J8))-0.01*(2.45925+(0.0420748*J8)) | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | K8 = IF((2.45925+(0.0420748*J8))-0.01*(2.45925+(0.0420748*J8))) | | Z8 = (2.45925+(0.0420748*Y8))-0.01*(2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | | | APB = IF((0.5916024)+(0.017968*Y8)+(0.0000434*J8))>1.1,((0.5916024)+(0.017968*Y8)+(0.0000434*J8)) | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | L8 = (0.5916024)+(0.017968*Y8)+(0.0000434*J8) | | AA8 = (-1.613493+(0.0319584*Y8)) | | | | | | | | | | | | | | | | | A8 = 1.613493+(0.0319584*Y8) | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | M8 = (-1.613493+(0.0319584*Y8)) | | AB8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | A8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | N8 = (L8*(L8+829))+(L8-M8) | | AC8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | A8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | O8 = (N8*(N8+829))+(N8-O8) | | AD8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | A8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | P8 = (O8*(O8+829))+(O8-P8) | | AE8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | A8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Q8 = (P8*(P8+829))+(P8-Q8) | | AF8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | A8 = (A8*(A8+829))+(A8-A8) | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AO | AR | AS | AT | AV | AV |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|----|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 513 (Revised) Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | JUNE | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Steamboat | | | | | | | | | | | |
| 6 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | USBR | | | | | | | | | | | |
| 7 | Year | | | | | | | | | | | | | | | | | | | | Flow | | | | | | | | | | Flow | | | | | | | | | | | |
| 8 | Year | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | CVP + SWP | | | | | | | | | | | |
| 9 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 10 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 11 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 12 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 13 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 14 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 15 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 16 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 17 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 18 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 19 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 20 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 21 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 22 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 23 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 24 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 25 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 26 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 27 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 28 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 29 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 30 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 31 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 32 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 33 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 34 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 35 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 36 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 37 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 38 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 39 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 40 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 41 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 42 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 43 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 44 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 45 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 46 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 47 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 48 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 49 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 50 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 51 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 52 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 53 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 54 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 55 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 56 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 57 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 58 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 59 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 60 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 61 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 62 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 63 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 64 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 65 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 66 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 67 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 68 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 69 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 70 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 71 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 72 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 73 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 74 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 75 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 76 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 77 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 78 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 79 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 80 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 81 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 82 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 83 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 84 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 85 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 86 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 87 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 88 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 89 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 90 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 91 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 92 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 93 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |
| 94 | Year | | | | | | | | | | | | | | | | | | | | Sewer | | | | | | | | | | Sewer | | | | | | | | | | | |

Average: 32.10%

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| 80 | Formulas | | | | | | | | | | | | | | | | | | | | Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | |
| 81 | C8 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | R8 =Study 513 Revised Flow Data\I7 | | | | | | | | | | AG8 =Study 513 Revised Flow Data\I7 | | | | | | | | | |
| 82 | D8 =Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | S8 =Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | | AH8 =Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | |
| 83 | E8 =Study 513 Revised Flow Data\IA7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | T8 =Study 513 Revised Flow Data\I7 (HIDDEN) | | | | | | | | | | AJ8 =Study 513 Flow Revised Data\AC7 (HIDDEN) | | | | | | | | | |
| 84 | F8 =(D8+E8) | | | | | | | | | | | | | | | | | | | | U8 =(S8+T8) | | | | | | | | | | AK8 =(A8+H8) | | | | | | | | | |
| 85 | G8 =0.374*C8-950 | | | | | | | | | | | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | AL8 =0.374*AG8-950 | | | | | | | | | |
| 86 | H8 =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | AM8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | |
| 87 | I8 =(0.133*C8+829)/(C8-G8) | | | | | | | | | | | | | | | | | | | | X8 =(0.84*(0.133*R8+829)/(R8-V8))+0.16*W8 | | | | | | | | | | AN8 =(0.27*(0.133*AG8+829)/(AG8-AK8))+0.73*AL8 | | | | | | | | | |
| 88 | K8 =IF((-2.45925+(0.0420748*J8))<0,(0.2.45925+(0.0420748*J8))) | | | | | | | | | | | | | | | | | | | | Z8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | AO8 =IF((-0.5916024+(0.017968*AN8))+0.0000434*AJ8)+1,1,((-0.5916024+(0.017968*AN8))+0.0000434*AJ8)) | | | | | | | | | |
| 89 | L8 =(-0.5916024+(0.017968*Y8))+0.0000434*Y8 | | | | | | | | | | | | | | | | | | | | AA8 =(-0.5916024+(0.017968*Y8))+0.0000434*Y8 | | | | | | | | | | AQ8 =1.613493+(0.0319584*AN8) | | | | | | | | | |
| 90 | M8 =1.613493+(0.0319584*Y8) | | | | | | | | | | | | | | | | | | | | AB8 =1.613493+(0.0319584*Y8) | | | | | | | | | | AR8 =(AP8*AM8)/(AG8*(1-AM8)) | | | | | | | | | |
| 91 | N8 =(R8*(M8+Y8)) | | | | | | | | | | | | | | | | | | | | AC8 =Z8*(X8+(AB8*Y8)) | | | | | | | | | | AS8 =AO8*(AR8+(AQ8*Y8)) | | | | | | | | | |
| 92 | O8 =K8*N8+(K8*Y8) | | | | | | | | | | | | | | | | | | | | AD8 =Z8*(AC8+(AB8*Y8)) | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | |
| 93 | P8 =1-O8 | | | | | | | | | | | | | | | | | | | | AE8 =1-AD8 | | | | | | | | | | AV8 =(P8*0.17)+(AE8*0.65)+(AT8*0.18) | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV | AW | AX | AY | AZ |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 622a Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | JUNE | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | Sawtooth | | | | | | | | | | | | | | | USBR | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | |
| 7 | Sum 8 | | | | | | | | | | | | | | | Sum 8 | | | | | | | | | | | | | | | Sum 8 | | | | | | | | | | | | | | |
| 8 | Slope | | | | | | | | | | | | | | | Slope | | | | | | | | | | | | | | | Slope | | | | | | | | | | | | | | |
| 9 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | |
| 10 | River | | | | | | | | | | | | | | | River | | | | | | | | | | | | | | | River | | | | | | | | | | | | | | |
| 11 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | |
| 12 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | |
| 13 | SloUGH | | | | | | | | | | | | | | | SloUGH | | | | | | | | | | | | | | | SloUGH | | | | | | | | | | | | | | |
| 14 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | |
| 15 | Closed | | | | | | | | | | | | | | | Closed | | | | | | | | | | | | | | | Closed | | | | | | | | | | | | | | |
| 16 | temp | | | | | | | | | | | | | | | temp | | | | | | | | | | | | | | | temp | | | | | | | | | | | | | | |
| 17 | m1 | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | |
| 18 | m2 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | |
| 19 | m3 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | |
| 20 | m23 | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | |
| 21 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | |
| 22 | s123 | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | |
| 23 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 24 | Weighted | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | |
| 25 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 26 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 27 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 28 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 29 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 30 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 31 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 32 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 33 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 34 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 35 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 36 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 37 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 38 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 39 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 40 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 41 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 42 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 43 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 44 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 45 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 46 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 47 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 48 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 49 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 50 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 51 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 52 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 53 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 54 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 55 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 56 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 57 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 58 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 59 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 60 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 61 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 62 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 63 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 64 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 65 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 66 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 67 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 68 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 69 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 70 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 71 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 72 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 73 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 74 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 75 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 76 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 77 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 78 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 79 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 80 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 81 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 82 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 83 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 84 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 85 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 86 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 87 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 88 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 89 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 90 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 91 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 92 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 93 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |
| 94 | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | |

| | Formulas | | | | | | | | | | | | | | | Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 82 | C8 =Study 622a Flow Data!G7 | | | | | | | | | | | | | | | R8 =Study 622a Flow Data!H7 | | | | | | | | | | | | | | | AG8 =Study 622a Flow Data!I7 (HIDDEN) | | | | | | | | | | | | | | |
| 83 | D8 =Study 622a Flow Data!O7 (HIDDEN) | | | | | | | | | | | | | | | S8 =Study 622a Flow Data!R7 (HIDDEN) | | | | | | | | | | | | | | | AH8 =Study 622a Flow Data!S7 (HIDDEN) | | | | | | | | | | | | | | |
| 84 | E8 =Study 622a Flow Data!AA7 (HIDDEN) | | | | | | | | | | | | | | | T8 =Study 622a Flow Data!AB7 (HIDDEN) | | | | | | | | | | | | | | | A18 =Study 513 Flow Revised Data!A7 | | | | | | | | | | | | | | |
| 85 | F8 =(D8+E8) | | | | | | | | | | | | | | | U8 =(S8+T8) | | | | | | | | | | | | | | | AJ8 =(AH8+A18) | | | | | | | | | | | | | | |
| 86 | GB =0.374*C8-950 | | | | | | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | | | | | | AK8 =0.374*AG8-950 | | | | | | | | | | | | | | |
| 87 | HB =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | | | | | | AL8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | | | | | |
| 88 | IB =(0.133*C8+829)/(C8-G8) | | | | | | | | | | | | | | | XB =(0.84*(0.133*R8+829)/(R8-V8)+0.16*W8) | | | | | | | | | | | | | | | AM8 =(0.27*(0.133*AG8+829)/(AG8-AK8)+(0.73*AL8) | | | | | | | | | | | | | | |
| 89 | K8 =IF((-2.45925+(0.0420748*JB))-0,(-2.45925+(0.0420748*JB))) | | | | | | | | | | | | | | | Z8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | AO8 =(-2.45925+(0.0420748*AV8)) | | | | | | | | | | | | | | |
| 90 | L8 =(-0.5916024)+(0.017968*JB)+(0.0000434*F8) | | | | | | | | | | | | | | | AA8 =(-0.5916024)+(0.017968*Y8)+(0.0000434*U8) | | | | | | | | | | | | | | | AP8 =IF((-0.5916024)+(0.017968*AV8)+(0.0000434*AJ8))-1,((-0.5916024)+(0.017968*AN8)+(0.0000434*AT8)) | | | | | | | | | | | | | | |
| 91 | M8 =(-1.6134934)+(0.0319584*F8) | | | | | | | | | | | | | | | AB8 =(-1.6134934)+(0.0319584*Y8) | | | | | | | | | | | | | | | AQ8 =(-1.6134934)+(0.0319584*AV8) | | | | | | | | | | | | | | |
| 92 | NB =(L8+IB)*(M8*(1-IB)) | | | | | | | | | | | | | | | AC8 =(AA8*Y8)*(AB8*(1-X8)) | | | | | | | | | | | | | | | AR8 =(AP8*AM8)*(AQ8*(1-AM8)) | | | | | | | | | | | | | | |
| 93 | OC8 =K8+NB*(K8*NB) | | | | | | | | | | | | | | | AD8 =Z8+AC8*(Z8*AC8) | | | | | | | | | | | | | | | AS8 =AO8+AR8*(AO8*AR8) | | | | | | | | | | | | | | |
| 94 | PB =1-O8 | | | | | | | | | | | | | | | AE8 =1-AD8 | | | | | | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AA |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | D1485 Sacramento River Late Fall Run Smolt Survival Model | | | | | | | | | | | | | | | November Sac River Temperature: 53 degrees F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (Modifies m2 by changing the slope to 0.000054) | | | | | | | | | | | | | | | December Sac River Temperature: 47 degrees F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed above 25,000 cfs | | | | | | | | | | | | | | | January Sac River Temperature: 47 degrees F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel closed when DOI is greater than 12,000 cfs in January | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | NOVEMBER | | | | | | | | | | | | | | | DECEMBER | | | | | | | | | | JANUARY | | | | | | | | | | | | | | | |
| 7 | Sac | | | | | | | | | | | | | | | Sac | | | | | | | | | | Sac | | | | | | | | | | | | | | | |
| 8 | Calculated Steamboat | | | | | | | | | | | | | | | Calculated Steamboat | | | | | | | | | | Calculated Steamboat | | | | | | | | | | | | | | | |
| 9 | CVP+SWP & Sutter | | | | | | | | | | | | | | | CVP+SWP & Sutter | | | | | | | | | | CVP+SWP & Sutter | | | | | | | | | | | | | | | |
| 10 | xchannel | | | | | | | | | | | | | | | xchannel | | | | | | | | | | xchannel | | | | | | | | | | | | | | | |
| 11 | Calculated Mortality | | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | Calculated mortality | | | | | | | | | | | | | | | |
| 12 | m2 m3 m23 m123 | | | | | | | | | | | | | | | m2 m3 m23 m123 | | | | | | | | | | m2 m3 m23 m123 | | | | | | | | | | | | | | | |
| 13 | s123 | | | | | | | | | | | | | | | s123 | | | | | | | | | | s123 | | | | | | | | | | | | | | | |
| 14 | Year WY Type | | | | | | | | | | | | | | | Flows exports Slough Q percent closed | | | | | | | | | | Flows exports Slough Q percent closed | | | | | | | | | | | | | | | |
| 15 | River | | | | | | | | | | | | | | | Flows exports Slough Q percent closed | | | | | | | | | | Flows exports Slough Q percent closed | | | | | | | | | | | | | | | |
| 16 | 10922 A | | | | | | | | | | | | | | | 17,142 11,319 5,461 61% 0.27 | | | | | | | | | | 17,142 11,319 5,461 61% 0.27 | | | | | | | | | | | | | | | |
| 17 | 11923 B | | | | | | | | | | | | | | | 34,202 11,303 11,842 24% 0.24 | | | | | | | | | | 34,202 11,303 11,842 24% 0.24 | | | | | | | | | | | | | | | |
| 18 | 12924 C | | | | | | | | | | | | | | | 15,353 11,157 4,762 62% 0.27 | | | | | | | | | | 15,353 11,157 4,762 62% 0.27 | | | | | | | | | | | | | | | |
| 19 | 13925 D | | | | | | | | | | | | | | | 11,271 8,506 3,295 67% 0.29 | | | | | | | | | | 11,271 8,506 3,295 67% 0.29 | | | | | | | | | | | | | | | |
| 20 | 14926 D | | | | | | | | | | | | | | | 10,620 7,026 3,022 68% 0.30 | | | | | | | | | | 10,620 7,026 3,022 68% 0.30 | | | | | | | | | | | | | | | |
| 21 | 15927 W | | | | | | | | | | | | | | | 15,841 11,254 4,974 62% 0.27 | | | | | | | | | | 15,841 11,254 4,974 62% 0.27 | | | | | | | | | | | | | | | |
| 22 | 16928 A | | | | | | | | | | | | | | | 16,572 11,287 5,248 61% 0.27 | | | | | | | | | | 16,572 11,287 5,248 61% 0.27 | | | | | | | | | | | | | | | |
| 23 | 17929 C | | | | | | | | | | | | | | | 13,954 11,140 4,269 64% 0.28 | | | | | | | | | | 13,954 11,140 4,269 64% 0.28 | | | | | | | | | | | | | | | |
| 24 | 18930 D | | | | | | | | | | | | | | | 14,767 10,994 4,753 63% 0.27 | | | | | | | | | | 14,767 10,994 4,753 63% 0.27 | | | | | | | | | | | | | | | |
| 25 | 19931 C | | | | | | | | | | | | | | | 11,449 6,489 3,332 67% 0.29 | | | | | | | | | | 11,449 6,489 3,332 67% 0.29 | | | | | | | | | | | | | | | |
| 26 | 20932 D | | | | | | | | | | | | | | | 14,653 11,401 4,530 63% 0.27 | | | | | | | | | | 14,653 11,401 4,530 63% 0.27 | | | | | | | | | | | | | | | |
| 27 | 21933 C | | | | | | | | | | | | | | | 9,904 5,399 2,754 70% 0.30 | | | | | | | | | | 9,904 5,399 2,754 70% 0.30 | | | | | | | | | | | | | | | |
| 28 | 22934 C | | | | | | | | | | | | | | | 12,474 9,319 3,745 68% 0.28 | | | | | | | | | | 12,474 9,319 3,745 68% 0.28 | | | | | | | | | | | | | | | |
| 29 | 23935 B | | | | | | | | | | | | | | | 8,522 4,895 3,922 25% 0.25 | | | | | | | | | | 8,522 4,895 3,922 25% 0.25 | | | | | | | | | | | | | | | |
| 30 | 24936 B | | | | | | | | | | | | | | | 14,767 11,157 4,573 63% 0.27 | | | | | | | | | | 14,767 11,157 4,573 63% 0.27 | | | | | | | | | | | | | | | |
| 31 | 25937 B | | | | | | | | | | | | | | | 8,105 5,252 6,105 64% 0.28 | | | | | | | | | | 8,105 5,252 6,105 64% 0.28 | | | | | | | | | | | | | | | |
| 32 | 26938 W | | | | | | | | | | | | | | | 51,246 11,742 18,216 23% 0.23 | | | | | | | | | | 51,246 11,742 18,216 23% 0.23 | | | | | | | | | | | | | | | |
| 33 | 27939 D | | | | | | | | | | | | | | | 18,287 8,750 6,039 60% 0.26 | | | | | | | | | | 18,287 8,750 6,039 60% 0.26 | | | | | | | | | | | | | | | |
| 34 | 28940 A | | | | | | | | | | | | | | | 11,449 6,489 3,332 67% 0.29 | | | | | | | | | | 11,449 6,489 3,332 67% 0.29 | | | | | | | | | | | | | | | |
| 35 | 29941 W | | | | | | | | | | | | | | | 15,653 11,140 4,871 62% 0.27 | | | | | | | | | | 15,653 11,140 4,871 62% 0.27 | | | | | | | | | | | | | | | |
| 36 | 30942 W | | | | | | | | | | | | | | | 65,623 9,368 23,593 23% 0.23 | | | | | | | | | | 65,623 9,368 23,593 23% 0.23 | | | | | | | | | | | | | | | |
| 37 | 31943 W | | | | | | | | | | | | | | | 28,803 10,035 9,822 25% 0.25 | | | | | | | | | | 28,803 10,035 9,822 25% 0.25 | | | | | | | | | | | | | | | |
| 38 | 32944 D | | | | | | | | | | | | | | | 13,775 10,474 4,202 64% 0.28 | | | | | | | | | | 13,775 10,474 4,202 64% 0.28 | | | | | | | | | | | | | | | |
| 39 | 33945 B | | | | | | | | | | | | | | | 17,272 11,173 5,010 61% 0.27 | | | | | | | | | | 17,272 11,173 5,010 61% 0.27 | | | | | | | | | | | | | | | |
| 40 | 34946 B | | | | | | | | | | | | | | | 56,109 11,807 20,035 23% 0.23 | | | | | | | | | | 56,109 11,807 20,035 23% 0.23 | | | | | | | | | | | | | | | |
| 41 | 35947 D | | | | | | | | | | | | | | | 17,630 11,352 5,643 61% 0.26 | | | | | | | | | | 17,630 11,352 5,643 61% 0.26 | | | | | | | | | | | | | | | |
| 42 | 36948 B | | | | | | | | | | | | | | | 12,149 7,335 3,594 66% 0.29 | | | | | | | | | | 12,149 7,335 3,594 66% 0.29 | | | | | | | | | | | | | | | |
| 43 | 37949 D | | | | | | | | | | | | | | | 15,564 11,140 4,871 62% 0.27 | | | | | | | | | | 15,564 11,140 4,871 62% 0.27 | | | | | | | | | | | | | | | |
| 44 | 38950 B | | | | | | | | | | | | | | | 12,263 7,644 3,636 66% 0.29 | | | | | | | | | | 12,263 7,644 3,636 66% 0.29 | | | | | | | | | | | | | | | |
| 45 | 39951 A | | | | | | | | | | | | | | | 66,631 11,907 23,970 23% 0.23 | | | | | | | | | | 66,631 11,907 23,970 23% 0.23 | | | | | | | | | | | | | | | |
| 46 | 40952 W | | | | | | | | | | | | | | | 51,962 11,319 18,484 23% 0.23 | | | | | | | | | | 51,962 11,319 18,484 23% 0.23 | | | | | | | | | | | | | | | |
| 47 | 41953 W | | | | | | | | | | | | | | | 42,334 7,953 14,883 24% 0.24 | | | | | | | | | | 42,334 7,953 14,883 24% 0.24 | | | | | | | | | | | | | | | |
| 48 | 42954 A | | | | | | | | | | | | | | | 14,914 11,092 4,628 63% 0.27 | | | | | | | | | | 14,914 11,092 4,628 63% 0.27 | | | | | | | | | | | | | | | |
| 49 | 43955 D | | | | | | | | | | | | | | | 25,517 11,140 8,593 25% 0.25 | | | | | | | | | | 25,517 11,140 8,593 25% 0.25 | | | | | | | | | | | | | | | |
| 50 | 44956 W | | | | | | | | | | | | | | | 32,933 11,807 11,367 24% 0.24 | | | | | | | | | | 32,933 11,807 11,367 24% 0.24 | | | | | | | | | | | | | | | |
| 51 | 45957 A | | | | | | | | | | | | | | | 14,149 11,238 4,432 64% 0.28 | | | | | | | | | | 14,149 11,238 4,432 64% 0.28 | | | | | | | | | | | | | | | |
| 52 | 46958 W | | | | | | | | | | | | | | | 23,745 11,140 7,930 57% 0.25 | | | | | | | | | | 23,745 11,140 7,930 57% 0.25 | | | | | | | | | | | | | | | |
| 53 | 47959 B | | | | | | | | | | | | | | | 14,621 9,937 4,518 63% 0.27 | | | | | | | | | | 14,621 9,937 4,518 63% 0.27 | | | | | | | | | | | | | | | |
| 54 | 48960 D | | | | | | | | | | | | | | | 11,856 7,010 3,484 66% 0.29 | | | | | | | | | | 11,856 7,010 3,484 66% 0.29 | | | | | | | | | | | | | | | |
| 55 | 49961 D | | | | | | | | | | | | | | | 19,711 11,124 6,422 59% 0.26 | | | | | | | | | | 19,711 11,124 6,422 59% 0.26 | | | | | | | | | | | | | | | |
| 56 | 50962 B | | | | | | | | | | | | | | | 18,004 11,124 5,833 60% 0.26 | | | | | | | | | | 18,004 11,124 5,833 60% 0.26 | | | | | | | | | | | | | | | |
| 57 | 51963 W | | | | | | | | | | | | | | | 28,054 11,140 9,542 25% 0.25 | | | | | | | | | | 28,054 11,140 9,542 25% 0.25 | | | | | | | | | | | | | | | |
| 58 | 52964 D | | | | | | | | | | | | | | | 14,849 11,206 4,603 63% 0.27 | | | | | | | | | | 14,849 11,206 4,603 63% 0.27 | | | | | | | | | | | | | | | |
| 59 | 53965 W | | | | | | | | | | | | | | | 27,371 11,677 9,287 25% 0.25 | | | | | | | | | | 27,371 11,677 9,287 25% 0.25 | | | | | | | | | | | | | | | |
| 60 | 54966 B | | | | | | | | | | | | | | | 16,995 11,726 5,408 61% 0.27 | | | | | | | | | | 16,995 11,726 5,408 61% 0.27 | | | | | | | | | | | | | | | |
| 61 | 55967 W | | | | | | | | | | | | | | | 18,301 10,957 5,895 60% 0.26 | | | | | | | | | | 18,301 10,957 5,895 60% 0.26 | | | | | | | | | | | | | | | |
| 62 | 56968 B | | | | | | | | | | | | | | | 16,234 8,537 5,122 62% 0.27 | | | | | | | | | | 16,234 8,537 5,122 62% 0.27 | | | | | | | | | | | | | | | |
| 63 | 57969 W | | | | | | | | | | | | | | | 16,438 10,957 4,524 63% 0.27 | | | | | | | | | | 16,438 10,957 4,524 63% 0.27 | | | | | | | | | | | | | | | |
| 64 | 58970 W | | | | | | | | | | | | | | | 17,646 10,974 5,650 61% 0.26 | | | | | | | | | | 17,646 10,974 5,650 61% 0.26 | | | | | | | | | | | | | | | |
| 65 | 59971 W | | | | | | | | | | | | | | | 23,141 10,974 7,705 57% 0.25 | | | | | | | | | | 23,141 10,974 7,705 57% 0.25 | | | | | | | | | | | | | | | |
| 66 | 60972 B | | | | | | | | | | | | | | | 16,755 10,957 5,316 61% 0.27 | | | | | | | | | | 16,755 10,957 5,316 61% 0.27 | | | | | | | | | | | | | | | |
| 67 | 61973 A | | | | | | | | | | | | | | | 25,662 10,957 8,648 25% 0.25 | | | | | | | | | | 25,662 10,957 8,648 25% 0.25 | | | | | | | | | | | | | | | |
| 68 | 62974 W | | | | | | | | | | | | | | | 58,920 10,974 21,086 23% 0.23 | | | | | | | | | | 58,920 10,974 21,086 23% 0.23 | | | | | | | | | | | | | | | |
| 69 | 63975 W | | | | | | | | | | | | | | | 17,579 10,957 5,624 61% 0.26 | | | | | | | | | | 17,579 10,957 5,624 61% 0.26 | | | | | | | | | | | | | | | |
| 70 | 64976 C | | | | | | | | | | | | | | | 19,226 10,974 6,240 59% 0.26 | | | | | | | | | | 19,226 10,974 6,240 59% 0.26 | | | | | | | | | | | | | | | |
| 71 | 65977 C | | | | | | | | | | | | | | | 8,016 6,100 2,048 74% 0.32 | | | | | | | | | | 8,016 6,100 2,048 74% 0.32 | | | | | | | | | | | | | | | |
| 72 | 66978 A | | | | | | | | | | | | | | | 5,243 3,042 1,011 86% 0.36 | | | | | | | | | | 5,243 3,042 1,011 86% 0.36 | | | | | | | | | | | | | | | |
| 73 | 67979 B | | | | | | | | | | | | | | | 15,125 10,957 4,707 63% 0.27 | | | | | | | | | | 15,125 10,957 4,707 63% 0.27 | | | | | | | | | | | | | | | |
| 74 | 68980 A | | | | | | | | | | | | | | | 16,301 10,974 5,147 62% 0.27 | | | | | | | | | | 16,301 10,974 5,147 62% 0.27 | | | | | | | | | | | | | | | |
| 75 | 69981 D | | | | | | | | | | | | | | | 13,024 10,974 3,921 65% 0.28 | | | | | | | | | | 13,024 10,974 3,921 65% 0.28 | | | | | | | | | | | | | | | |
| 76 | 70982 W | | | | | | | | | | | | | | | 37,897 10,957 13,223 24% 0.24 | | | | | | | | | | 37,897 10,957 13,223 24% 0.24 | | | | | | | | | | | | | | | |
| 77 | 71983 W | | | | | | | | | | | | | | | 39,107 10,974 13,676 24% 0.24 | | | | | | | | | | 39,107 10,974 13,676 24% 0.24 | | | | | | | | | | | | | | | |
| 78 | 72984 W | | | | | | | | | | | | | | | 62,802 7,932 22,538 23% 0.23 | | | | | | | | | | 62,802 7,932 22,538 23% 0.23 | | | | | | | | | | | | | | | |
| 79 | 73985 D | | | | | | | | | | | | | | | 35,813 10,974 12,444 24% 0.24 | | | | | | | | | | 35,813 10,974 12,444 24% 0.24 | | | | | | | | | | | | | | | |
| 80 | 74986 W | | | | | | | | | | | | | | | 9,949 9,075 2,771 70% 0.30 | | | | | | | | | | 9,949 9,075 2,771 70% 0.30 | | | | | | | | | | | | | | | |
| 81 | 75987 D | | | | | | | | | | | | | | | 11,125 8,420 3,211 68% 0.29 | | | | | | | | | | 11,125 8,420 3,211 68% 0.29 | | | | | | | | | | | | | | | |
| 82 | 76988 C | | | | | | | | | | | | | | | 8,688 6,941 2,299 73% 0.31 | | | | | | | | | | 8,688 6,941 2,299 73% 0.31 | | | | | | | | | | | | | | | |
| 83 | 77989 D | | | | | | | | | | | | | | | 9,730 7,848 2,689 70% 0.30 | | | | | | | | | | 9,730 7,848 2,689 70% 0.30 | | | | | | | | | | | | | | | |
| 84 | 78990 C | | | | | | | | | | | | | | | 12,251 10,487 3,632 66% 0.29 | | | | | | | | | | 12,251 10,487 3,632 66% 0.29 | | | | | | | | | | | | | | | |
| 85 | 79991 C | | | | | | | | | | | | | | | 7,512 5,176 1,860 76% 0.32 | | | | | | | | | | 7,512 5,176 1,860 76% 0.32 | | | | | | | | | | | | | | | |
| 86 | 80992 C | | | | | | | | | | | | | | | 7,714 4,588 1,935 75% 0.32 | | | | | | | | | | 7,714 4,588 1,935 75% 0.32 | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Formulas: D1485 Sacramento River Late Fall Run Smolt Survival Model | | | | | | | | | | | | | | | C10 =Study 467 Flow Data\Ic8 | | | | | | | | | | AE10 =Study 467 Flow Data\Ic8 | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\Ib8 | | | | | | | | | | AF10 =Study 467 Flow Data\Ia8 | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | D10 =Study 467 Flow Data\Ic8 (HIDDEN) | | | | | | | | | | AG10 =Study 467 Flow Data\Ia8 (HIDDEN) | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\Ic8 (HIDDEN) | | | | | | | | | | AH10 =Study 467 Flow Data\Ia8 (HIDDEN) | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | T10 =R(Ic8+S10) | | | | | | | | | | AI10 =AG(Ic8+AH10) | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | U10 =D(10+E10) | | | | | | | | | | AJ10 =AG(Ic8+AH10) | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | V10 =0.37*(C10-950) | | | | | | | | | | AK10 =0.37*(AE10-950) | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | W10 =F(C10-SH\$3,(0.133*(C10+829)/(C10-G10),(0.293*(C10+2090)/(C10-G10)) | | | | | | | | | | AL10 =F(AE10-SH\$3,(0.133*(AE10+829)/(AE10-AJ10),(0.293*(AE10+2090)/(AE10-AJ10)) | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | X10 =0.133*(C10+829)/(C10-G10) | | | | | | | | | | AM10 =0.133*(AE10+829)/(AE10-AJ10) | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(-0.17968*\$Q\$3)+(-0.000054*F10) | | | | | | | | | | AN10 =(-0.5916024)+(-0.17968*\$Q\$3)+(-0.000054*H10) | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | Z10 =(-1.613493+(-0.0319584*\$Q\$1)) | | | | | | | | | | AO10 =F(AE10-SH\$4,(AN10*AL10),(AN10*AK10)) | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | AA10 =K(10*H10)+L(10*(1-H10)) | | | | | | | | | | AP10 =AM10-AP10*(AM10*AP10) | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | AB10 =K10*AA10-X10*AA10 | | | | | | | | | | AQ10 =1-AQ10 | | | | | | | | | | | | | | | |
| 101 | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AR10 =F(O10*0.25)+(AC10*0.5)+(AR10*0.25) | | | | | | | | | | | | | | | |
| 102 | | | | | | | | | | | | | | | | | | | | | | | | | | Average: 58.97% | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|-----------------|----|--|
| 1 | Study 468 Winter Run Smolt Survival Model | | | | | | | | | | | | | February Water Temp | | | | | | | | | | | | April Water Temperatures based on limited historical data from USBR | | | | | | | | | | | | 50 F | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | March Water Temp | | | | | | | | | | | | 55 F | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | APRIL | | | | | | | | | | | | | | |
| 7 | Water Sac | | | | | | | | | | | | | Calculated Sutter & Slough | | | | | | | | | | | | Calculated Steamboat & Sutter | | | | | | | | | | | | | | |
| 8 | Year Type | | | | | | | | | | | | | Flow | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 9 | Flow | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 10 | Exports | | | | | | | | | | | | | Slough Q | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 11 | Slough Q | | | | | | | | | | | | | Percent | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 12 | Percent | | | | | | | | | | | | | Closed | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 13 | Closed | | | | | | | | | | | | | m1 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 14 | m1 | | | | | | | | | | | | | m2 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 15 | m2 | | | | | | | | | | | | | m3 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 16 | m3 | | | | | | | | | | | | | m23 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 17 | m23 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 18 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 19 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 20 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 21 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 22 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 23 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 24 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 25 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 26 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 27 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 28 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 29 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 30 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 31 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 32 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 33 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 34 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 35 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 36 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 37 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 38 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 39 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 40 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 41 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 42 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 43 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 44 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 45 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 46 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 47 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 48 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 49 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 50 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 51 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 52 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 53 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 54 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 55 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 56 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 57 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 58 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 59 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 60 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 61 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 62 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 63 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 64 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 65 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 66 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 67 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 68 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 69 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 70 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 71 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 72 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 73 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 74 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 75 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 76 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 77 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 78 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 79 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 80 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 81 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 82 | Formulas: Winter Run Salmon Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 = Study 468 Flow Data!E7 | | | | | | | | | | | | | Q10 = Study 468 Flow Data!F7 | | | | | | | | | | | | AE10 = Study 468 Flow Data!G7 | | | | | | | | | | | | | | |
| 86 | R10 = Study 468 Flow Data!O7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | AF10 = Study 468 Flow Data!P7 (HIDDEN) | | | | | | | | | | | | | | |
| 87 | E10 = Study 468 Flow Data!Y7 (HIDDEN) | | | | | | | | | | | | | S10 = Study 468 Flow Data!Z7 (HIDDEN) | | | | | | | | | | | | AG10 = Study 468 Flow Data!AA7 (HIDDEN) | | | | | | | | | | | | | | |
| 88 | F10 = (D9+E9) | | | | | | | | | | | | | T10 = (R9+S9) | | | | | | | | | | | | AH10 = (A9+AG9) | | | | | | | | | | | | | | |
| 89 | G10 = 0.374*C9-950 | | | | | | | | | | | | | U10 = 0.374*Q9-950 | | | | | | | | | | | | AI10 = 0.374*AE9-950 | | | | | | | | | | | | | | |
| 90 | H10 = IF(C9>=GS2,(0.133*Q9+829)/(C9-G9),(0.293*C9+2090)/(C9-G9)) | | | | | | | | | | | | | V10 = IF(Q9>=GS2,(0.133*Q9+829)/(Q9-U9),(0.293*Q9+2090)/(Q9-U9)) | | | | | | | | | | | | AJ10 = IF(AE9>=GS2,(0.133*AE9+829)/(AE9-AI9),(0.293*AE9+2090)/(AE9-AI9)) | | | | | | | | | | | | | | |
| 91 | I10 = (0.133*C9+829)/(C9-G9) | | | | | | | | | | | | | Y10 = (0.133*Q9+829)/(Q9-U9) | | | | | | | | | | | | AK10 = (0.133*AE9+829)/(AE9-AI9) | | | | | | | | | | | | | | |
| 92 | K10 = (-0.5916024)+(0.017968*SMS1)+(0.000054*F9) | | | | | | | | | | | | | W10 = IF((-0.5916024)+(0.017968*SMS2)+(0.000054*T9)),1,((-0.5916024)+(0.017968*SMS2)+(0.000054*F10)) | | | | | | | | | | | | AL10 = IF((-0.5916024)+(0.017968*SMS2)+(0.000054*F10)),1,((-0.5916024)+(0.017968*SMS2)+(0.000054*F10)) | | | | | | | | | | | | | | |
| 93 | M10 = (K9+I9)-(J9-I9) | | | | | | | | | | | | | Z10 = -1.613493+(0.0319584*SMS2) | | | | | | | | | | | | AM10 = ((-0.5916024)+(0.017968*SMS2)+(0.000054*F9)) | | | | | | | | | | | | | | |
| 94 | N10 = (K9+I9)-(J9-I9) | | | | | | | | | | | | | AA10 = (Y9+W9)+Z9*(1-W9) | | | | | | | | | | | | AN10 = (-1.613493)+(0.0319584*SMS2) | | | | | | | | | | | | | | |
| 95 | O10 = 1-N9 | | | | | | | | | | | | | AB10 = X9+AA9-(X9*AA9) | | | | | | | | | | | | AO10 = (AN9+A9)-(AN9*A9) | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | AC10 = 1-AB9 | | | | | | | | | | | | AQ10 = AM9+AP9-(AM9*AP9) | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Average: 65.60% | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|------------------|---|---|---|---|---|---|----|----|----|----|---|----|------|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 513 Winter Run Smolt Survival Model | | | | | | | | | | | | | February Water Temp | | 50 F | April Water Temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over | | | | | | | | | | | | | 25000 cfs | | March Water Temp | | | | | | | | | | | | | 55 F | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than | | | | | | | | | | | | | 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | APRIL | | | | | | | | | | | | |
| 7 | Water Sac | | | | | | | | | | | | | Calculated Sutter & Sac | | | | | | | | | | | | | Calculated Sutter & Sac | | | | | | | | | | | | |
| 8 | Year Type Flow CVP + SWP Steamboat X-Channel | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | |
| 9 | Year Type Flow Exports Slough Q Percent Closed m1 m2 m3 m123 | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | | | |
| 10 | 1922 A 33,923 9,677 11,737 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 11 | 1923 B 22,363 6,959 7,414 58% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 12 | 1924 C 17,924 9,638 5,754 60% | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | |
| 13 | 1925 D 44,997 11,679 15,879 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 14 | 1926 D 36,516 12,060 12,707 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 15 | 1927 W 85,240 8,540 30,930 22% | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | |
| 16 | 1928 W 27,729 8,736 9,421 25% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 17 | 1929 C 19,014 8,410 6,161 60% | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | |
| 18 | 1930 D 15,809 7,109 4,963 62% | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | |
| 19 | 1931 C 11,902 6,419 3,501 66% | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | |
| 20 | 1932 D 13,621 10,510 4,141 64% | | | | | | | | | | | | | 0.28 | | | | | | | | | | | | | 0.28 | | | | | | | | | | | | |
| 21 | 1933 C 14,117 8,165 4,330 64% | | | | | | | | | | | | | 0.28 | | | | | | | | | | | | | 0.28 | | | | | | | | | | | | |
| 22 | 1934 C 12,460 5,971 3,710 69% | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | |
| 23 | 1935 B 11,524 6,640 3,360 67% | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | |
| 24 | 1936 B 56,171 12,854 20,058 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 25 | 1937 B 33,725 9,627 11,663 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 26 | 1938 W 81,027 8,309 29,354 22% | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | |
| 27 | 1939 D 19,392 8,309 6,303 59% | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | |
| 28 | 1940 A 44,784 12,739 15,799 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 29 | 1941 W 75,481 11,438 27,280 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 30 | 1942 W 76,614 8,336 28,452 22% | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | |
| 31 | 1943 W 52,577 8,382 18,714 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 32 | 1944 D 33,275 8,301 11,495 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 33 | 1945 B 42,962 8,443 15,118 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 34 | 1946 B 23,948 8,722 8,007 57% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 35 | 1947 D 22,165 8,488 7,340 58% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 36 | 1948 B 13,439 5,178 4,076 64% | | | | | | | | | | | | | 0.28 | | | | | | | | | | | | | 0.28 | | | | | | | | | | | | |
| 37 | 1949 D 16,511 9,223 5,225 61% | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | |
| 38 | 1950 B 36,012 12,230 12,518 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 39 | 1951 A 61,238 9,056 21,953 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 40 | 1952 W 62,812 8,301 22,542 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 41 | 1953 W 28,990 8,441 8,992 25% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 42 | 1954 A 57,151 9,009 20,424 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 43 | 1955 D 16,674 8,386 5,286 61% | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | |
| 44 | 1956 W 62,534 9,059 22,438 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 45 | 1957 A 32,969 8,985 11,380 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 46 | 1958 W 64,731 8,402 23,260 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 47 | 1959 A 50,800 8,415 17,886 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 48 | 1960 D 28,268 11,723 8,622 25% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 49 | 1961 D 33,527 11,542 11,589 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 50 | 1962 B 45,609 12,844 16,108 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 51 | 1963 W 59,150 12,870 21,172 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 52 | 1964 D 17,333 7,935 5,533 61% | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | |
| 53 | 1965 W 34,283 10,478 11,872 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 54 | 1966 B 27,099 8,758 9,185 25% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 55 | 1967 W 42,800 7,592 15,057 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 56 | 1968 B 53,494 8,439 19,057 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 57 | 1969 W 67,792 7,564 24,404 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 58 | 1970 W 58,771 6,365 21,031 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 59 | 1971 W 29,476 9,067 10,074 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 60 | 1972 B 24,565 8,999 8,237 57% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 61 | 1973 A 71,376 8,791 25,744 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 62 | 1974 W 42,440 8,779 14,923 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 63 | 1975 W 57,871 8,985 20,694 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 64 | 1976 C 19,819 8,709 6,462 59% | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | |
| 65 | 1977 C 10,822 1,899 3,097 68% | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | |
| 66 | 1978 A 50,327 8,432 17,872 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 67 | 1979 B 42,134 8,300 14,808 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 68 | 1980 A 70,531 8,157 25,429 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 69 | 1981 D 30,124 8,425 10,316 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 70 | 1982 W 67,486 9,200 22,290 23% | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | | 0.23 | | | | | | | | | | | | |
| 71 | 1983 W 83,368 7,185 30,229 22% | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | |
| 72 | 1984 W 36,700 5,386 12,776 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 73 | 1985 D 22,543 8,992 7,481 58% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 74 | 1986 W 98,673 12,124 35,954 22% | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | | 0.22 | | | | | | | | | | | | |
| 75 | 1987 D 23,624 5,779 7,885 57% | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | | 0.25 | | | | | | | | | | | | |
| 76 | 1988 C 16,255 6,662 5,129 62% | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | | 0.27 | | | | | | | | | | | | |
| 77 | 1989 D 11,362 3,262 3,299 67% | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | |
| 78 | 1990 C 17,556 8,260 5,616 61% | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | | 0.26 | | | | | | | | | | | | |
| 79 | 1991 C 11,560 1,689 3,373 67% | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | | 0.29 | | | | | | | | | | | | |
| 80 | 1992 C 32,110 8,781 11,059 24% | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | | 0.24 | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Formulas: Winter Run Salmon Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | C10 = Study 513 Revised Flow Data!E7 | | | | | | | | | | | | | Q10 = Study 513 Revised Flow Data!F7 | | | | | | | | | | | | | A10 = Study 513 Revised Flow Data!G7 | | | | | | | | | | | | |
| 85 | D10 = Study 513 Revised Flow Data!O(HIDDEN) | | | | | | | | | | | | | R10 = Study 513 Revised Flow Data!(HIDDEN) | | | | | | | | | | | | | AF10 = Study 513 Revised Flow Data!(HIDDEN) | | | | | | | | | | | | |
| 86 | E10 = Study 513 Revised Flow Data!Y(HIDDEN) | | | | | | | | | | | | | S10 = Study 513 Revised Flow Data!(HIDDEN) | | | | | | | | | | | | | AG10 = Study 513 Revised Flow Data!(HIDDEN) | | | | | | | | | | | | |
| 87 | G10 = (D9+G9) | | | | | | | | | | | | | T10 = (R9+S9) | | | | | | | | | | | | | AH10 = AF9*AE9-950 | | | | | | | | | | | | |
| 88 | H10 = 0.374*C9-950 | | | | | | | | | | | | | U10 = 0.374*Q9-950 | | | | | | | | | | | | | AJ10 = IF(AE9>SG\$2,(0.133*AE9+829)/(AE9-AI9),(0.293*AE9+2090)/(AE9-AI9)) | | | | | | | | | | | | |
| 89 | I10 = IF(Q9>SG\$2,(0.133*Q9+829)/(Q9-G9),(0.293*Q9+2090)/(Q9-G9)) | | | | | | | | | | | | | V10 = IF(Q9>SG\$2,(0.133*Q9+829)/(Q9-U9),(0.293*Q9+2090)/(Q9-U9)) | | | | | | | | | | | | | AK10 = (0.133*AE9+829)/(AE9-AI9) | | | | | | | | | | | | |
| 90 | J10 = (0.133*C9+829)/(C9-G9) | | | | | | | | | | | | | W10 = IF(Q9>SG\$2,(0.133*Q9+829)/(Q9-U9)) | | | | | | | | | | | | | AL10 = IF(((-2.45525+(0.0420748*AL9))<0,-0.45525+(0.0420748*AL9))) | | | | | | | | | | | | |
| 91 | K10 = (-0.5916024+(0.017968*SM\$1)+(0.000054*F9)) | | | | | | | | | | | | | X10 = (-0.5916024+(0.017968*SM\$2)+(0.000054*F9)) | | | | | | | | | | | | | AM10 = IF(((-0.5916024+(0.017968*AL9)+(0.000054*AH9))<1,-1,((-0.5916024+(0.017968*AL9)+(0.000054*AH9))) | | | | | | | | | | | | |
| 92 | L10 = (K9*19)+L9*(1-19) | | | | | | | | | | | | | Y10 = IF((0.5916024+(0.017968*SM\$2)+(0.000054*F9))>1,-1,((-0.5916024+(0.017968*SM\$2)+(0.000054*F9))) | | | | | | | | | | | | | AN10 = (1.613493+(0.0319584*AL9)) | | | | | | | | | | | | |
| 93 | M10 = (J9+M9)-(J9*M9) | | | | | | | | | | | | | Z10 = (0.133*Q9+829)/(Q9-U9) | | | | | | | | | | | | | AO10 = (AM9*AK9)+(AO9*(1-AK9)) | | | | | | | | | | | | |
| 94 | N10 = (J9+M9)-(J9*M9) | | | | | | | | | | | | | AA10 = (Y9*W9)+Z9*(1-W9) | | | | | | | | | | | | | AP10 = AM5+AP9*(AM9*AP9) | | | | | | | | | | | | |
| 95 | O10 = 1-N9 | | | | | | | | | | | | | AB10 = X9+AA9*(X9*AA9) | | | | | | | | | | | | | AR10 = 1-AQ9 | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | AC10 = 1-AB9 | | | | | | | | | | | | | AS10 = (0.13*Q9)+(0.57*AC9)+(0.3*AR9) | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | Average: 64.93% | | | | | | | | | | | | |

Table with columns A through AS. Rows 1-5: Study 485 Winter Run Smolt Survival Model. Rows 6-9: FEBRUARY headers. Rows 10-81: Monthly data for FEBRUARY and MARCH. Rows 82-95: Formulas for WINTER RUN SALMON SMOLT SURVIVAL MODEL.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | | |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|--|----|--|--|--|--|--|--|--|--|
| 1 | Study 506 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | AE10 =Study 513 Revised Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | AF10 =Study 513 Revised Flow Data\I7 | | | | | | | | | |
| 87 | E10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | AG10 =Study 513 Revised Flow Data\I7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =Q10-SK54,(0.133*Q10+829)/(Q10-G10) | | | | | | | | | | AI10 =Q10*AE10*0.950 | | | | | | | | | |
| 90 | H10 =IF(C10<SK54,(0.133*Q10+829)/(Q10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SK54,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SK54,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =(0.45*(0.133*Q10+829)/(Q10-U10)) | | | | | | | | | | AK10 =(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(0.5916024)+(0.017968*ST31)+(0.000054*F10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(0.5916024)+(0.017968*ST32)+(0.000054*F10) | | | | | | | | | | AM10 =(0.5916024)+(0.017968*ST33)+(0.000054*F10) | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =(K10+H10)*I10*(1+H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =(Y10*W10)*X10*(1+H10) | | | | | | | | | | AO10 =(AM10+AN10)*(1+H10) | | | | | | | | | |
| 96 | N10 =J10+M10*(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+M10*(X10*AO10) | | | | | | | | | | AP10 =AL10+AO10*(AL10*AO10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | | |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| 1 | Study 506 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | |
| 7 | Calculated Sutter + | | | | | | | | | | | | | | | | Calculated Sutter + | | | | | | | | | | | | | | | |
| 8 | River CVP SWP CVP + SWP Slough X | | | | | | | | | | | | | | | | River CVP SWP CVP + SWP Slough X | | | | | | | | | | | | | | | |
| 9 | Flow Flow Flow Exports Soutch Percent | | | | | | | | | | | | | | | | Flow Flow Flow Exports Soutch Percent | | | | | | | | | | | | | | | |
| 10 | 10 34,409 4,249 6,392 10,642 11,919 24% | | | | | | | | | | | | | | | | 10 31,551 3,806 4,147 7,953 10,850 24% | | | | | | | | | | | | | | | |
| 11 | 11 24,326 4,285 2,377 6,652 8,148 57% | | | | | | | | | | | | | | | | 11 17,174 4,228 3,367 7,595 5,473 61% | | | | | | | | | | | | | | | |
| 12 | 12 16,898 4,268 4,524 8,693 5,370 61% | | | | | | | | | | | | | | | | 12 15,513 1,740 3,253 3,612 68% | | | | | | | | | | | | | | | |
| 13 | 13 44,655 4,213 7,581 11,794 15,751 23% | | | | | | | | | | | | | | | | 13 18,557 3,708 4,163 7,872 5,990 60% | | | | | | | | | | | | | | | |
| 14 | 14 36,714 4,231 7,454 11,686 12,781 24% | | | | | | | | | | | | | | | | 14 18,947 4,228 3,487 7,725 6,136 60% | | | | | | | | | | | | | | | |
| 15 | 15 86,122 4,285 6,590 10,876 31,260 22% | | | | | | | | | | | | | | | | 15 43,863 3,741 4,147 7,888 15,455 23% | | | | | | | | | | | | | | | |
| 16 | 16 87,864 4,103 4,225 8,327 9,284 25% | | | | | | | | | | | | | | | | 16 86,229 4,228 4,424 8,522 31,300 22% | | | | | | | | | | | | | | | |
| 17 | 17 18,528 4,231 3,799 8,031 5,980 60% | | | | | | | | | | | | | | | | 17 16,930 4,017 2,814 6,831 5,382 61% | | | | | | | | | | | | | | | |
| 18 | 18 15,683 2,773 4,015 6,788 4,916 62% | | | | | | | | | | | | | | | | 18 30,087 2,944 4,375 7,319 10,303 24% | | | | | | | | | | | | | | | |
| 19 | 19 11,326 3,565 1,873 5,438 3,286 67% | | | | | | | | | | | | | | | | 19 9,856 2,114 1,903 4,017 2,736 70% | | | | | | | | | | | | | | | |
| 20 | 20 13,995 4,103 5,442 9,544 4,294 64% | | | | | | | | | | | | | | | | 20 12,100 2,553 2,700 5,253 3,575 68% | | | | | | | | | | | | | | | |
| 21 | 21 11,974 3,835 2,701 6,536 3,528 66% | | | | | | | | | | | | | | | | 21 10,392 1,561 3,074 4,635 2,937 69% | | | | | | | | | | | | | | | |
| 22 | 22 12,748 1,260 4,538 5,798 3,818 65% | | | | | | | | | | | | | | | | 22 14,231 2,293 1,675 3,968 4,372 63% | | | | | | | | | | | | | | | |
| 23 | 23 12,478 1,188 3,943 5,132 3,717 66% | | | | | | | | | | | | | | | | 23 24,916 4,228 6,977 11,206 8,368 57% | | | | | | | | | | | | | | | |
| 24 | 24 49,843 4,103 8,206 12,309 17,691 23% | | | | | | | | | | | | | | | | 24 33,688 4,228 5,790 10,018 11,653 24% | | | | | | | | | | | | | | | |
| 25 | 25 33,203 4,231 5,042 9,273 11,468 24% | | | | | | | | | | | | | | | | 25 38,203 4,228 4,001 8,229 13,338 24% | | | | | | | | | | | | | | | |
| 26 | 26 82,269 4,267 3,907 8,175 29,819 22% | | | | | | | | | | | | | | | | 26 78,634 4,228 3,952 8,181 28,459 22% | | | | | | | | | | | | | | | |
| 27 | 27 19,032 4,268 4,961 6,590 6,168 50% | | | | | | | | | | | | | | | | 27 19,032 4,268 4,961 6,590 6,168 50% | | | | | | | | | | | | | | | |
| 28 | 28 43,654 4,103 8,206 12,309 15,377 23% | | | | | | | | | | | | | | | | 28 59,443 4,228 4,651 8,860 21,282 23% | | | | | | | | | | | | | | | |
| 29 | 29 75,031 4,285 6,842 11,128 27,112 23% | | | | | | | | | | | | | | | | 29 58,581 4,228 3,838 8,067 20,959 23% | | | | | | | | | | | | | | | |
| 30 | 30 78,344 4,285 3,961 8,247 28,351 23% | | | | | | | | | | | | | | | | 30 27,095 4,228 4,001 8,229 9,193 25% | | | | | | | | | | | | | | | |
| 31 | 31 62,253 4,285 3,997 8,253 19,993 23% | | | | | | | | | | | | | | | | 31 64,598 4,228 4,050 8,278 22,210 23% | | | | | | | | | | | | | | | |
| 32 | 32 30,163 4,103 3,825 9,928 10,331 24% | | | | | | | | | | | | | | | | 32 25,094 4,228 4,001 8,229 8,435 25% | | | | | | | | | | | | | | | |
| 33 | 33 41,378 4,249 3,997 8,247 14,525 24% | | | | | | | | | | | | | | | | 33 27,274 4,228 4,131 8,359 9,250 25% | | | | | | | | | | | | | | | |
| 34 | 34 24,092 4,285 4,213 8,499 9,050 57% | | | | | | | | | | | | | | | | 34 23,712 4,228 4,424 8,652 7,918 57% | | | | | | | | | | | | | | | |
| 35 | 35 21,571 4,249 3,961 8,211 7,118 58% | | | | | | | | | | | | | | | | 35 22,509 4,228 3,919 8,148 7,469 58% | | | | | | | | | | | | | | | |
| 36 | 36 15,525 4,085 1,721 5,807 4,856 62% | | | | | | | | | | | | | | | | 36 19,353 4,228 3,480 7,709 6,288 59% | | | | | | | | | | | | | | | |
| 37 | 37 16,277 4,249 4,177 8,427 5,138 62% | | | | | | | | | | | | | | | | 37 41,716 4,228 7,107 11,336 14,652 24% | | | | | | | | | | | | | | | |
| 38 | 38 35,562 4,249 7,526 11,776 12,350 24% | | | | | | | | | | | | | | | | 38 22,899 4,228 4,554 8,782 7,614 58% | | | | | | | | | | | | | | | |
| 39 | 39 60,572 4,285 4,622 8,967 21,704 23% | | | | | | | | | | | | | | | | 39 22,827 4,228 4,700 8,929 10,205 24% | | | | | | | | | | | | | | | |
| 40 | 40 62,499 4,138 3,773 7,910 22,425 23% | | | | | | | | | | | | | | | | 40 57,524 4,228 3,958 8,164 20,564 23% | | | | | | | | | | | | | | | |
| 41 | 41 28,341 4,285 4,051 8,337 9,650 25% | | | | | | | | | | | | | | | | 41 24,899 3,448 4,115 7,563 8,362 57% | | | | | | | | | | | | | | | |
| 42 | 42 57,151 4,267 4,628 8,895 20,424 23% | | | | | | | | | | | | | | | | 42 49,538 4,228 4,684 8,912 17,577 23% | | | | | | | | | | | | | | | |
| 43 | 43 16,295 4,267 3,925 8,193 5,144 62% | | | | | | | | | | | | | | | | 43 17,678 4,228 3,025 7,263 5,662 60% | | | | | | | | | | | | | | | |
| 44 | 44 61,543 4,138 4,520 8,658 22,067 23% | | | | | | | | | | | | | | | | 44 36,674 2,472 4,700 7,172 12,766 24% | | | | | | | | | | | | | | | |
| 45 | 45 33,149 4,249 4,646 8,895 11,448 24% | | | | | | | | | | | | | | | | 45 44,383 4,228 4,440 8,668 15,649 23% | | | | | | | | | | | | | | | |
| 46 | 46 62,283 4,249 4,051 8,301 22,344 23% | | | | | | | | | | | | | | | | 46 53,612 4,228 4,066 8,294 34,081 22% | | | | | | | | | | | | | | | |
| 47 | 47 60,075 4,249 4,051 8,301 17,778 23% | | | | | | | | | | | | | | | | 47 63,844 4,228 3,968 7,286 7,785 57% | | | | | | | | | | | | | | | |
| 48 | 48 26,512 4,085 7,041 11,126 8,966 25% | | | | | | | | | | | | | | | | 48 22,606 3,545 3,985 7,530 7,505 58% | | | | | | | | | | | | | | | |
| 49 | 49 32,843 4,249 7,112 11,362 11,333 24% | | | | | | | | | | | | | | | | 49 20,947 3,513 4,388 8,050 6,884 59% | | | | | | | | | | | | | | | |
| 50 | 50 45,537 4,249 8,499 12,746 16,081 23% | | | | | | | | | | | | | | | | 50 27,664 4,228 3,919 7,725 9,396 25% | | | | | | | | | | | | | | | |
| 51 | 51 67,665 4,285 8,265 12,550 20,579 23% | | | | | | | | | | | | | | | | 51 32,641 4,228 4,700 8,929 11,258 24% | | | | | | | | | | | | | | | |
| 52 | 52 19,019 4,120 3,512 6,163 6,030 62% | | | | | | | | | | | | | | | | 52 16,638 3,415 3,138 6,733 5,272 61% | | | | | | | | | | | | | | | |
| 53 | 53 33,329 4,249 6,050 10,299 11,515 24% | | | | | | | | | | | | | | | | 53 21,366 4,228 4,375 8,603 7,049 58% | | | | | | | | | | | | | | | |
| 54 | 54 63,775 4,285 8,265 12,550 20,579 23% | | | | | | | | | | | | | | | | 54 63,775 4,285 8,265 12,550 20,579 23% | | | | | | | | | | | | | | | |
| 55 | 55 43,106 4,285 3,205 7,460 15,172 23% | | | | | | | | | | | | | | | | 55 54,483 4,228 3,285 7,514 19,426 23% | | | | | | | | | | | | | | | |
| 56 | 56 54,520 2,660 3,912 6,572 19,440 23% | | | | | | | | | | | | | | | | 56 36,788 2,992 4,115 7,107 12,809 24% | | | | | | | | | | | | | | | |
| 57 | 57 67,486 4,285 3,169 7,454 24,290 23% | | | | | | | | | | | | | | | | 57 45,326 3,643 3,253 6,996 16,002 23% | | | | | | | | | | | | | | | |
| 58 | 58 75,565 4,285 4,051 5,258 20,579 23% | | | | | | | | | | | | | | | | 58 69,087 4,228 4,651 8,880 24,889 23% | | | | | | | | | | | | | | | |
| 59 | 59 29,332 4,285 4,195 8,481 10,020 24% | | | | | | | | | | | | | | | | 59 50,774 4,228 4,700 8,929 16,040 23% | | | | | | | | | | | | | | | |
| 60 | 60 24,217 4,120 4,485 8,606 8,107 57% | | | | | | | | | | | | | | | | 60 32,933 3,741 4,424 8,164 11,367 24% | | | | | | | | | | | | | | | |
| 61 | 61 70,961 4,267 4,429 8,697 25,590 23% | | | | | | | | | | | | | | | | 61 47,554 4,228 4,456 8,685 16,835 23% | | | | | | | | | | | | | | | |
| 62 | 62 43,304 4,267 4,375 8,643 15,246 23% | | | | | | | | | | | | | | | | 62 99,416 4,228 4,424 8,652 36,232 22% | | | | | | | | | | | | | | | |
| 63 | 63 58,807 4,249 4,628 8,877 21,044 23% | | | | | | | | | | | | | | | | 63 75,999 4,228 4,684 8,912 27,474 23% | | | | | | | | | | | | | | | |
| 64 | 64 19,523 4,085 4,172 8,258 6,352 59% | | | | | | | | | | | | | | | | 64 20,069 4,228 3,627 7,855 6,556 59% | | | | | | | | | | | | | | | |
| 65 | 65 12,172 884 1,422 2,107 3,602 66% | | | | | | | | | | | | | | | | 65 7,514 829 1,187 2,017 1,860 76% | | | | | | | | | | | | | | | |
| 66 | 66 60,039 1,747 6,554 8,301 18,101 23% | | | | | | | | | | | | | | | | 66 45,375 2,114 3,903 6,017 16,020 23% | | | | | | | | | | | | | | | |
| 67 | 67 42,044 4,249 3,961 8,211 14,774 24% | | | | | | | | | | | | | | | | 67 32,592 4,228 4,001 8,229 11,239 24% | | | | | | | | | | | | | | | |
| 68 | 68 89,453 4,103 3,668 7,771 25,026 23% | | | | | | | | | | | | | | | | 68 36,479 3,773 3,350 7,123 12,693 24% | | | | | | | | | | | | | | | |
| 69 | 69 29,674 2,647 4,069 6,716 10,148 24% | | | | | | | | | | | | | | | | 69 32,494 2,992 4,115 7,107 11,203 24% | | | | | | | | | | | | | | | |
| 70 | 70 65,650 4,285 4,628 8,913 23,660 23% | | | | | | | | | | | | | | | | 70 69,087 4,228 4,651 8,880 24,889 23% | | | | | | | | | | | | | | | |
| 71 | 71 82,917 3,421 2,791 6,212 30,061 22% | | | | | | | | | | | | | | | | 71 81,935 2,049 2,635 4,684 29,694 22% | | | | | | | | | | | | | | | |
| 72 | 72 36,004 4,103 3,720 5,163 12,516 24% | | | | | | | | | | | | | | | | 72 36,495 3,204 4,001 7,205 12,699 24% | | | | | | | | | | | | | | | |
| 73 | 73 20,689 4,249 4,646 8,895 8,788 59% | | | | | | | | | | | | | | | | 73 21,809 4,228 4,635 8,864 7,207 58% | | | | | | | | | | | | | | | |
| 74 | 74 97,916 4,249 7,980 11,938 38,671 22% | | | | | | | | | | | | | | | | 74 72,535 4,228 4,160 8,408 28,178 23% | | | | | | | | | | | | | | | |
| 75 | 75 23,030 1,278 4,267 5,546 7,663 58% | | | | | | | | | | | | | | | | 75 29,502 2,358 4,163 6,522 10,084 24% | | | | | | | | | | | | | | | |
| 76 | 76 16,638 3,894 2,469 6,363 5,272 61% | | | | | | | | | | | | | | | | 76 11,075 2,082 1,756 3,838 3,182 68% | | | | | | | | | | | | | | | |
| 77 | 77 12,766 972 1,837 2,809 3,825 65% | | | | | | | | | | | | | | | | 77 41,098 4,228 6,706 10,994 14,421 24% | | | | | | | | | | | | | | | |
| 78 | 78 16,844 4,285 4,628 8,913 23,660 23% | | | | | | | | | | | | | | | | 78 14,802 4,228 4,380 7,927 11,361 24% | | | | | | | | | | | | | | | |
| 79 | 79 11,056 432 828 1,260 3,185 68% | | | | | | | | | | | | | | | | 79 29,681 4,228 7,075 11,303 10,151 24% | | | | | | | | | | | | | | | |
| 80 | 80 31,415 1,147 7,197 8,345 10,799 24% | | | | | | | | | | | | | | | | 80 20,102 2,098 6,130 8,668 5,996 26% | | | | | | | | | | | | | | | |
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| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | AS10 = Study 513 Revised Flow Data I E7 | | | | | | | | | | | | | | | | BG10 = Study 513 (Revised) Flow Data I F7 | | | | | | | | | | | | | | | |
| 86 | AT10 = Study 513 Revised Flow Data I O7 | | | | | | | | | | | | | | | | BH10 = Study 513 (Revised) Flow Data I P7 | | | | | | | | | | | | | | | |
| 87 | AU10 = Study 513 Revised Flow Data I Y7 | | | | | | | | | | | | | | | | BI10 = Study 513 (Revised) Flow Data I Z7 | | | | | | | | | | | | | | | |
| 88 | AV10 = (AT10+AU10) | | | | | | | | | | | | | | | | BJ10 = (BH10+BH10) | | | | | | | | | | | | | | | |
| 89 | AW10 = (0.37*AS10+950) | | | | | | | | | | | | | | | | BK10 = (0.37*BG10+950) | | | | | | | | | | | | | | | |
| 90 | AX10 = (F(AS10-SK54,(0.133*AS10+829)/(AS10-AW10)),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | | | BL10 = (F(BG10-SK54,(0.133*BG10+829)/(BG10-BK10)),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | | |
| 91 | AY10 = (0.133*AS10+829)/(AS10-AW10) | | | | | | | | | | | | | | | | BM10 = (0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | |
| 92 | AZ10 = (F(-2.45925+(0.0420748*SBSC2)-0.245925+(0.0420748*SBSC2),0) | | | | | | | | | | | | | | | | BN10 = (F(-2.45925+(0.0420748*SBSC3)-0.245925+(0.0420748*SBSC3),0) | | | | | | | | | | | | | | | |
| 93 | BA10 = (-0.5916024)+((0.017968*ST3)+(0.000054*AH10)) | | | | | | | | | | | | | | | | BO10 = (-0.5916024)+((0.017968*SBSC3)+(0.000054*BJ10)) | | | | | | | | | | | | | | | |
| 94 | BB10 = (F(-1.613493+(0.0319584*SBSC2)-0.1613493+(0.0319584*SBSC2),0) | | | | | | | | | | | | | | | | BP10 = (F(-1.613493+(0.0319584*SBSC3)-0.1613493+(0.0319584*SBSC3),0) | | | | | | | | | | | | | | | |
| 95 | BC10 = (BA10+AY10)+(BB10*(1-AY10)) | | | | | | | | | | | | | | | | BQ10 = (BO10+BM10)+(BP10*(1-BM10)) | | | | | | | | | | | | | | | |
| 96 | BD10 = AZ10+BC10-(AZ10*BC10) | | | | | | | | | | | | | | | | BR10 = BN10+BM10-(BN10*BM10) | | | | | | | | | | | | | | | |
| 97 | BE10 = 1-BD10 | | | | | | | | | | | | | | | | BS10 = 1-BR10 | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | BU10 = (O10*0.37)+(AC10*0.42)+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | AVERAGE: 63.40% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR |
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| 1 | Study 507 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 513 Revised Flow Data\B7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | D10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | E10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*G10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | I10 =IF((0.133*C10+829)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | K10 =IF(-0.5916024+(0.017968*ST31)+0,(0.000554*F10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | M10 =K10+H10+I10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | N10 =J10+M10*(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 507 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 8 | River Flow | | | | | | | | | | | | | River Flow | | | | | | | | | | | | | | | |
| 9 | CVP | | | | | | | | | | | | | CVP | | | | | | | | | | | | | | | |
| 10 | SWP | | | | | | | | | | | | | SWP | | | | | | | | | | | | | | | |
| 11 | CVP + SWP | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | |
| 12 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 13 | Slough % | | | | | | | | | | | | | Slough % | | | | | | | | | | | | | | | |
| 14 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 15 | X-Channel Closed | | | | | | | | | | | | | X-Channel Closed | | | | | | | | | | | | | | | |
| 16 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 17 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 18 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 19 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 20 | Calculated Mortality | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 22 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 23 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 24 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 25 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 26 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 27 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 28 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 31 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 33 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 35 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 37 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 39 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 43 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 47 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 49 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 51 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 53 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 55 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 57 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 59 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 63 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 65 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 67 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 69 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 71 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 73 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 75 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 79 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 80 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 81 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 82 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 83 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 84 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 85 | AS10 =Study 513 Revised Flow Data IE7 | | | | | | | | | | | | | BG10 =Study 513 (Revised) Flow Data IF7 | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 513 Revised Flow Data IO7 | | | | | | | | | | | | | BH10 =Study 513 (Revised) Flow Data IP7 | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 513 Revised Flow Data IY7 | | | | | | | | | | | | | BJ10 =Study 513 (Revised) Flow Data IZ7 | | | | | | | | | | | | | | | |
| 88 | AV10 =(AT10+AU10) | | | | | | | | | | | | | BJ10 =(BH10+BI10) | | | | | | | | | | | | | | | |
| 89 | AW10 =(AS10+AW10-950) | | | | | | | | | | | | | BK10 =(BG10+BK10-950) | | | | | | | | | | | | | | | |
| 90 | AX10 =IF(AS10<SK\$4,(0.133*AS10+829)/(AS10-AW10),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | BL10 =IF(BG10<SK\$4,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | | |
| 91 | AY10 =(0.133*AS10+829)/(AS10-AW10) | | | | | | | | | | | | | BM10 =(0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | |
| 92 | AZ10 =IF(-2.45925+(0.0420748*SBC\$2)>0,-2.45925+(0.0420748*SBC\$2),0) | | | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBC\$3)>0,-2.45925+(0.0420748*SBC\$3),0) | | | | | | | | | | | | | | | |
| 93 | BA10 =(-0.5916024)+(0.017968*STS3)+(0.000054*AH10) | | | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*STS3)+(0.000054*BJ10) | | | | | | | | | | | | | | | |
| 94 | BB10 =IF(-1.613493+(0.0319584*SBC\$2)>0,-1.613493+(0.0319584*SBC\$2),0) | | | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBC\$3)>0,-1.613493+(0.0319584*SBC\$3),0) | | | | | | | | | | | | | | | |
| 95 | BC10 =(BA10*AY10)+(BB10*(1-A*Y10)) | | | | | | | | | | | | | BQ10 =(BM10*BY10)+(BP10*(1-B*Y10)) | | | | | | | | | | | | | | | |
| 96 | BD10 =AZ10+BG10-(AZ10*BC10) | | | | | | | | | | | | | BR10 =BQ10+BI10-(BQ10*BK10) | | | | | | | | | | | | | | | |
| 97 | BE10 =1-BD10 | | | | | | | | | | | | | BS10 =1-BR10 | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | BT10 =(0.10*0.37)*AC10*0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | BU10 =0.05 | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | AVERAGE: 63.57% | | | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | |
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| 1 | Study 513 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 513 Revised Flow Data\B7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 513 Revised Flow Data\C7 | | | | | | | | | | AE10 =Study 513 Revised Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 513 Revised Flow Data\L7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 513 Revised Flow Data\M7 | | | | | | | | | | AF10 =Study 513 Revised Flow Data\J7 | | | | | | | | | |
| 87 | E10 =Study 513 Revised Flow Data\W7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 513 Revised Flow Data\W7 | | | | | | | | | | AG10 =Study 513 Revised Flow Data\K7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =Q10-SK54*(0.133*Q10+829)/(Q10-U10),0.293*Q10+2090)/(Q10-U10) | | | | | | | | | | AI10 =Q10*AE10 | | | | | | | | | |
| 90 | H10 =IF(C10<SK54,(0.133*Q10+829)/(Q10-G10),(0.293*Q10+2090)/(Q10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SK54,(0.133*Q10+829)/(Q10-U10),0.293*Q10+2090)/(Q10-U10) | | | | | | | | | | AJ10 =IF(AE10<SK54,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =(0.133*Q10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =(0.45*(0.133*Q10+829)/(Q10-U10)+0.55*V10) | | | | | | | | | | AK10 =(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST31)+(0.000054*F10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST32)+(0.000054*F10) | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST33)+(0.000054*F10) | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =(K10+H10)+L10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =(Y10*W10)+(X10*(1-W10)) | | | | | | | | | | AO10 =(AM10+AN10)+(AI10*(1-AI10)) | | | | | | | | | |
| 96 | N10 =J10+M10*(J10/M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+Y10*(X10/Y10) | | | | | | | | | | AP10 =AL10+AO10*(AL10/AO10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR |
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| 1 | Study 485 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | Study 519a Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 85 | C10 =Study 513 Revised Flow Data\B7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 513 Revised Flow Data\C7 | | | | | | | | | | AE10 =Study 513 Revised Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 513 Revised Flow Data\L7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 513 Revised Flow Data\M7 | | | | | | | | | | AF10 =Study 513 Revised Flow Data\J7 | | | | | | | | | |
| 87 | E10 =Study 513 Revised Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 513 Revised Flow Data\W7 | | | | | | | | | | AG10 =Study 513 Revised Flow Data\K7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =Q10+R10 | | | | | | | | | | AI10 =D10+AE10+0.950 | | | | | | | | | |
| 90 | H10 =IF(C10>SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10>SKS4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10>SKS4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =IF((C10+829)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =IF((Q10+829)/(Q10-U10)) | | | | | | | | | | AK10 =IF((AE10+829)/(AE10-AI10)) | | | | | | | | | |
| 92 | J10 =IF((2.45925+(0.0420748*ST3)-0.245925+(0.0420748*ST3))/0.1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF((2.45925+(0.0420748*ST3)-0.245925+(0.0420748*ST3))/0.1) | | | | | | | | | | AL10 =IF((2.45925+(0.0420748*ST3)-0.245925+(0.0420748*ST3))/0.1) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST3)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST3)+0.000054*F10 | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST3)+0.000054*F10 | | | | | | | | | |
| 94 | L10 =IF(1.613493+(0.0319584*ST3)-0.1613493+(0.0319584*ST3))/0.1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(1.613493+(0.0319584*ST3)-0.1613493+(0.0319584*ST3))/0.1) | | | | | | | | | | AN10 =IF(1.613493+(0.0319584*ST3)-0.1613493+(0.0319584*ST3))/0.1) | | | | | | | | | |
| 95 | M10 =K10+H10+L10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =K10+H10+L10*(1-H10) | | | | | | | | | | AO10 =K10+H10+L10*(1-H10) | | | | | | | | | |
| 96 | N10 =J10+M10*(J10/M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =J10+M10*(J10/M10) | | | | | | | | | | AP10 =J10+M10*(J10/M10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |

| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | | |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| 1 | Study 519a Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 85 | AS10 =Study 513 Revised Flow Data/E7 | | | | | | | | | | | | | | | | BG10 =Study 513 (Revised) Flow Data/F7 | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 513 Revised Flow Data/O7 | | | | | | | | | | | | | | | | BH10 =Study 513 (Revised) Flow Data/P7 | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 513 Revised Flow Data/Y7 | | | | | | | | | | | | | | | | BI10 =Study 513 (Revised) Flow Data/Z7 | | | | | | | | | | | | | | | |
| 88 | AV10 =(AT10+AU10) | | | | | | | | | | | | | | | | BJ10 =(BH10+BI10) | | | | | | | | | | | | | | | |
| 89 | AW10 =0.374*AS10+0.950 | | | | | | | | | | | | | | | | BK10 =0.374*BG10+0.950 | | | | | | | | | | | | | | | |
| 90 | AX10 =IF(AS10>SK54,(0.133*AS10+829)/(AS10-AW10),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | | | BL10 =IF(BG10>SK54,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | | |
| 91 | AY10 =(0.133*AS10+829)/(AS10-AW10) | | | | | | | | | | | | | | | | BM10 =(0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | |
| 92 | AZ10 =IF(-2.45925+(0.0420748*SBSC2)>0,-2.45925+(0.0420748*SBSC2),0) | | | | | | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBSC3)>0,-2.45925+(0.0420748*SBSC3),0) | | | | | | | | | | | | | | | |
| 93 | BA10 =(-0.5916024)+(0.017968*STS3)+(0.0000054*AH10) | | | | | | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*SBSC3)+(0.0000054*BJ10) | | | | | | | | | | | | | | | |
| 94 | BB10 =IF(-1.613493+(0.0319584*SBSC2)>0,-1.613493+(0.0319584*SBSC2),0) | | | | | | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBSC3)>0,-1.613493+(0.0319584*SBSC3),0) | | | | | | | | | | | | | | | |
| 95 | BC10 =(BA10+AY10)+(BB10*(1-AY10)) | | | | | | | | | | | | | | | | BQ10 =(BO10+BM10)+(BP10*(1-BM10)) | | | | | | | | | | | | | | | |
| 96 | BD10 =AZ10+BC10/(AZ10*BC10) | | | | | | | | | | | | | | | | BR10 =BN10+BQ10/(BN10*BQ10) | | | | | | | | | | | | | | | |
| 97 | BE10 =1-BD10 | | | | | | | | | | | | | | | | BS10 =1-BR10 | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | BT10 =(O10*0.37)+(AC10*0.42)+(AO10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | AVERAGE: 62.68% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | |
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| 1 | Study 622a Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 622a Flow Data\B7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 622a Flow Data\I7 | | | | | | | | | | AE10 =Study 622a Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 622a Flow Data\L7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 622a Flow Data\I7 | | | | | | | | | | AF10 =Study 622a Flow Data\I7 | | | | | | | | | |
| 87 | E10 =Study 622a Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 622a Flow Data\I7 | | | | | | | | | | AG10 =Study 622a Flow Data\I7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =C10+C9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =Q10+Q9 | | | | | | | | | | AI10 =G10+H10 | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SKS4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SKS4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =(0.45*(0.133*Q10+829)/(Q10-U10)) | | | | | | | | | | AK10 =(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST3)-0,-2.45925+(0.0420748*ST3),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST3)-0,-2.45925+(0.0420748*ST3),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST3)-0,-2.45925+(0.0420748*ST3),0) | | | | | | | | | |
| 93 | K10 =(0.5916024)+(0.017968*ST3)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(0.5916024)+(0.017968*ST3)+0.000054*F10 | | | | | | | | | | AM10 =(0.5916024)+(0.017968*ST3)+0.000054*F10 | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST3)-0,-1.613493+(0.0319584*ST3),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST3)-0,-1.613493+(0.0319584*ST3),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST3)-0,-1.613493+(0.0319584*ST3),0) | | | | | | | | | |
| 95 | M10 =(K10+H10)+(L10*(1-H10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =(Y10+W10)+(X10*(1-W10)) | | | | | | | | | | AO10 =(AM10+AL10)+(AN10*(1-AN10)) | | | | | | | | | |
| 96 | N10 =J10+M10+(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+Y10+(X10*Y10) | | | | | | | | | | AP10 =AO10+AL10+(AO10*AL10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |

| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | | |
|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|--|
| 1 | Study 622a Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | February Water Temp | | | | | | | | | | | | | | | 50 F | |
| 3 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | March Water Temp | | | | | | | | | | | | | | | 55 F | |
| 4 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | | |
| 8 | Sutcliffe | | | | | | | | | | | | | | | Sutcliffe | | | | | | | | | | | | | | | | |
| 9 | X-Channel | | | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | | |
| 10 | Calculated Mortality | | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | | | |
| 11 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | | |
| 12 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | | |
| 13 | CVP | | | | | | | | | | | | | | | CVP | | | | | | | | | | | | | | | | |
| 14 | SWP | | | | | | | | | | | | | | | SWP | | | | | | | | | | | | | | | | |
| 15 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | | |
| 16 | Slough Q | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | | |
| 17 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | | |
| 18 | Cmst | | | | | | | | | | | | | | | Cmst | | | | | | | | | | | | | | | | |
| 19 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | | |
| 20 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 21 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 22 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 23 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 24 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 25 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 26 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 27 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 28 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 29 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 30 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 31 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 32 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 33 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 34 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 35 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 36 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 37 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 38 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 39 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 40 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 41 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 42 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 43 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 44 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 45 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 46 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 47 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 48 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 49 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 50 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 51 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 52 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 53 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 54 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 55 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 56 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 57 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 58 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 59 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 60 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 61 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 62 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 63 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 64 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 65 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 66 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 67 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 68 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 69 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 70 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 71 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 72 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 73 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 74 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 75 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 76 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 77 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 78 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 79 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 80 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 81 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 82 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 83 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 84 | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | |
| 85 | AS10 =Study 622a Flow DataI7E | | | | | | | | | | | | | | | BG10 =Study 622a Flow DataI7F | | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 622a Flow DataI07 | | | | | | | | | | | | | | | BH10 =Study 622a Flow DataI17 | | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 622a Flow DataI77 | | | | | | | | | | | | | | | BI10 =Study 622a Flow DataI27 | | | | | | | | | | | | | | | | |
| 88 | AV10 =AT10+AU10 | | | | | | | | | | | | | | | BJ10 =BH10+BI10 | | | | | | | | | | | | | | | | |
| 89 | AW10 =0.37*(AS10+950) | | | | | | | | | | | | | | | BK10 =0.37*(BG10+950) | | | | | | | | | | | | | | | | |
| 90 | AX10 =IF(AS10>SKS4,(0.133*AS10+829)/(AS10-AW10),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | | BL10 =IF(BG10>SKS4,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | | | |
| 91 | AY10 =0.133*(AS10+829)/(AS10-AW10) | | | | | | | | | | | | | | | BM10 =0.133*(BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | | |
| 92 | AZ10 =IF(-2.45925+(0.0420748*SBSC2)>0,-2.45925+(0.0420748*SBSC2),0) | | | | | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBSC3)>0,-2.45925+(0.0420748*SBSC3),0) | | | | | | | | | | | | | | | | |
| 93 | BA10 =(-0.5916024)+(0.017968*ST33)+(0.000054*AH10) | | | | | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*ST33)+(0.000054*BH10) | | | | | | | | | | | | | | | | |
| 94 | BB10 =IF(-1.613493+(0.0319584*SBSC2)>0,-1.613493+(0.0319584*SBSC2),0) | | | | | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBSC3)>0,-1.613493+(0.0319584*SBSC3),0) | | | | | | | | | | | | | | | | |
| 95 | BC10 =BA10*AY10+(BB10*(1-AY10)) | | | | | | | | | | | | | | | BQ10 =BO10*BM10+(BP10*(1-BM10)) | | | | | | | | | | | | | | | | |
| 96 | BD10 =AZ10+BC10-(AZ10*BC10) | | | | | | | | | | | | | | | BR10 =BN10+BR10-(BN10*BO10) | | | | | | | | | | | | | | | | |
| 97 | BE10 =1-BD10 | | | | | | | | | | | | | | | BS10 =1-BR10 | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | BT10 =0.10*(O10*37)+(AC10*0.42)+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AVERAGE: 62.96% | |

| 1 Study 468 Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|
| 2 Modified by changing the slope to 0.000344 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | 4 December Sacramento River Temp 47 degrees F | | | | | | | 5 January Sacramento River Temp 47 degrees F | | | | | | |
| 6 Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 9 DECEMBER | | | | | | | | | | | | | | 10 JANUARY | | | | | | | | | | | | | |
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| Formulas: Sacramento River Spring Run Young of Year Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| C10 =Study 468 Flow Data/C7 | | | | | | | | | | | | | | C11 =Study 468 Flow Data/I7 | | | | | | | | | | | | | |
| D10 =Study 468 Flow Data/W7 | | | | | | | | | | | | | | D11 =Study 468 Flow Data/I7 | | | | | | | | | | | | | |
| E10 =Study 468 Flow Data/M7 | | | | | | | | | | | | | | E11 =Study 468 Flow Data/I7 | | | | | | | | | | | | | |
| F10 =F10*(C10-90) | | | | | | | | | | | | | | F11 =F10*(C10-90) | | | | | | | | | | | | | |
| G10 =0.374*(C10-95) | | | | | | | | | | | | | | G11 =0.374*(C10-95) | | | | | | | | | | | | | |
| H10 =IF(C10<SK\$4,(0.133*(C10-829))+(C10-G10),(0.293*(C10+2090)-(C10-G10)) | | | | | | | | | | | | | | H11 =IF(C10<SK\$4,(0.133*(C10+829))+(C10-I10),(0.293*(C10+2090)-(C10-I10)) | | | | | | | | | | | | | |
| I10 =0.45*(0.133*(C10-829)-(C10-G10))*(0.55*H10) | | | | | | | | | | | | | | I11 =0.45*(0.133*(C10+829)-(C10-I10))*(0.55*H11) | | | | | | | | | | | | | |
| J10 =IF(-2.45925<=0.0420748*(ST\$2)>-2.45925<=0.0420748*(ST\$2),0) | | | | | | | | | | | | | | J11 =IF(-2.45925<=0.0420748*(ST\$2)>-2.45925<=0.0420748*(ST\$2),0) | | | | | | | | | | | | | |
| K10 =0.591624*(0.017968*(ST\$2)+0.000034*(F10)) | | | | | | | | | | | | | | K11 =0.591624*(0.017968*(ST\$2)+0.000034*(H10)) | | | | | | | | | | | | | |
| L10 =1-1.613493*(0.019584*(ST\$2))>-1.613493*(0.019584*(ST\$2)),0) | | | | | | | | | | | | | | L11 =1-1.613493*(0.019584*(ST\$2))>-1.613493*(0.019584*(ST\$2)),0) | | | | | | | | | | | | | |
| M10 =IF(A10*(H10)-I10*(J10)) | | | | | | | | | | | | | | M11 =IF(A10*(H10)-I10*(J10)) | | | | | | | | | | | | | |
| N10 =IF(A10*(H10)-I10*(J10)) | | | | | | | | | | | | | | N11 =IF(A10*(H10)-I10*(J10)) | | | | | | | | | | | | | |
| O10 =1-N10 | | | | | | | | | | | | | | O11 =1-N10 | | | | | | | | | | | | | |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CO | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 468 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | SAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | MAY Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Calculated Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | JUNE Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Calculated Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 81.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 29.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 4.86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 1.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 2.84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average 59.80%

BG10 =Study 468 Flow DataI*G7
BH10 =Study 468 Flow DataI*Q7
BI10 =Study 468 Flow DataI*AA7
BJ10 =B10+BI*10
BK10 =0.374*CK10-950
BL10 =IF(BG10>SGS2,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10))
BM10 =IF(BG10+829)/(BG10-BK10)
BN10
BO10 =IF((-2.45925+(0.0420748*BN10))-0.0,(-2.45925+(0.0420748*BN10))
BP10 =IF((-0.5916024+(0.017968*CR10))-0.0000434*BY10),1,(-0.5916024+(0.017968*CR10))-0.0000434*BY10
BQ10 =-1.613493+(0.0319584*BN10)
BR10 =BP10*BM10+(BO10*(1-BM10))
BS10 =BO10*BR10+(BO10*BR10)
BT10 =1-B*10

BV10 =Study 468 Flow DataI*H7
BW10 =Study 468 Flow DataI*J7
BX10 =Study 468 Flow DataI*AB7
BY10 =Study 468 Flow DataI*AC7
BZ10 =0.374*CK10-950
CA10 =IF(BV10>SK54,(0.133*BV10+829)/(BV10-BZ10),(0.293*BV10+2090)/(BV10-BZ10))
CB10 =0.45*(0.133*BV10+829)/(BV10-BZ10)+0.55*CV10
CC10
CD10 =IF((-2.45925+(0.0420748*CC10))-0.0,(-2.45925+(0.0420748*CC10))
CE10 =IF((-0.5916024+(0.017968*CR10))-0.0000434*BY10),1,(-0.5916024+(0.017968*CR10))-0.0000434*BY10
CF10 =-1.613493+(0.0319584*BN10)
CG10 =CF10*CG10+(CF10*(1-CG10))
CH10 =CF10*CG10+(CF10*(1-CG10))
CI10 =CI10*CH10

CK10 =Study 468 Flow DataI*H7
CL10 =Study 468 Flow DataI*J7
CM10 =Study 468 Flow DataI*AC7
CN10 =IF(CM10>1000,1000,CM10)
CO10 =0.374*CK10-950
CP10 =IF(CK10>SK54,(0.133*CK10+829)/(CK10-CO10),(0.293*CK10+2090)/(CK10-CO10))
CQ10 =0.45*(0.133*CK10+829)/(CK10-CO10)+0.55*CV10
CR10
CS10 =IF((-2.45925+(0.0420748*CR10))-0.0,(-2.45925+(0.0420748*CR10))
CT10 =IF((-0.5916024+(0.017968*CR10))-0.0000434*BY10),1,(-0.5916024+(0.017968*CR10))-0.0000434*BY10
CU10 =-1.613493+(0.0319584*BN10)
CV10 =CT10*CV10+(CT10*(1-CV10))
CW10 =CT10*CV10+(CT10*(1-CV10))
CX10 =1-CW10
CY10 =0.01*Y10+(0.06*AX10)+(0.17*AQ10)+(0.28*BE10)+(0.25*BT10)+(0.16*CI10)+(0.07*CX10)

| Study 507 Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | Cross Channel Closed For 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | | | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | Cross Channel Closed For Apr to Apr when DO greater than 12,000 dfs | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | March Water Temp 50 F | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---------|---|---|----|----|----|--|----|----|----|----|----|---------|----|----|----|----|----|---|----|----|----|----|----|---------|----|----|----|----|----|--|----|----|----|----|----|---------|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|--------------------------|----|----|----|----|----|----|----|----|----|----|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--|--|----|--|--|--|--|--|
| | | | | | | | | | | | | 25000 cfs | | | | | | | | | | | | 25000 cfs | | | | | | | | | | | | 25000 cfs | | | | | | | | | | | | 25000 cfs | | | | | | | | | | | | 25000 cfs | | | | | | | | | | | | 25000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | | | | | | | | |
| DECEMBER | | | | | | | | | | | | JANUARY | | | | | | | | | | | | FEBRUARY | | | | | | | | | | | | MARCH | | | | | | | | | | | | APRIL | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water | | | | | | CVP | | | | | | SMP | | | | | | Water | | | | | | CVP | | | | | | SMP | | | | | | Water | | | | | | CVP | | | | | | SMP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| River | | | | | | Stem | | | | | | Stem | | | | | | River | | | | | | Stem | | | | | | Stem | | | | | | River | | | | | | Stem | | | | | | Stem | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow | | | | | | Flow | | | | | | Flow | | | | | | Flow | | | | | | Flow | | | | | | Flow | | | | | | Flow | | | | | | Flow | | | | | | Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temp | | | | | | Temp | | | | | | Temp | | | | | | Temp | | | | | | Temp | | | | | | Temp | | | | | | Temp | | | | | | Temp | | | | | | Temp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | SloUGH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Percent | | | | | | Percent | | | | | | Percent | | | | | | Percent | | | | | | Percent | | | | | | Percent | | | | | | Percent | | | | | | Percent | | | | | | Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Closed | | | | | | Closed | | | | | | Closed | | | | | | Closed | | | | | | Closed | | | | | | Closed | | | | | | Closed | | | | | | Closed | | | | | | Closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m1 | | | | | | m2 | | | | | | m3 | | | | | | m1 | | | | | | m2 | | | | | | m3 | | | | | | m1 | | | | | | m2 | | | | | | m3 | | | | | | m1 | | | | | | m2 | | | | | | m3 | | | | | | m1 | | | | | | m2 | | | | | | m3 | | | | | | m1 | | | | | | m2 | | | | | | m3 | | | | | |
| n1 | | | | | | n2 | | | | | | n3 | | | | | | n1 | | | | | | n2 | | | | | | n3 | | | | | | n1 | | | | | | n2 | | | | | | n3 | | | | | | n1 | | | | | | n2 | | | | | | n3 | | | | | | n1 | | | | | | n2 | | | | | | n3 | | | | | | n1 | | | | | | n2 | | | | | | n3 | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | | | | | | | | |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 507 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed over 25,000 fcs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Sutter & Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | MAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CVP + SWP & Sutter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | JUNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | CVP + SWP & Sutter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 63.57% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 62.30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 56.24% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 59.79% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 54.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 63.69% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 59.29% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 62.95% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 58.99% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 60.18% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 54.15% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 59.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 60.88% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 59.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 56.73% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average 59.78%

| | | | |
|----|---------------------------------------|---------------------------------------|---------------------------------------|
| 85 | BG10 = Study 513 Revised Flow Data'I7 | BV10 = Study 513 Revised Flow Data'I7 | CK10 = Study 513 Revised Flow Data'I7 |
| 86 | BH10 = Study 513 Revised Flow Data'I7 | BX10 = Study 513 Revised Flow Data'I7 | CL10 = Study 513 Revised Flow Data'I7 |
| 87 | BI10 = Study 513 Revised Flow Data'I7 | BY10 = Study 513 Revised Flow Data'I7 | CM10 = Study 513 Revised Flow Data'I7 |
| 88 | BJ10 = (B10+B11) | BZ10 = (B10+B11) | CN10 = (C10+C11) |
| 89 | BK10 = (B10+B11) | CA10 = (B10+B11) | CO10 = (C10+C11) |
| 90 | BL10 = (B10+B11) | CB10 = (B10+B11) | CP10 = (C10+C11) |
| 91 | BM10 = (B10+B11) | CC10 = (B10+B11) | CQ10 = (C10+C11) |
| 92 | BN10 = (B10+B11) | CD10 = (B10+B11) | CR10 = (C10+C11) |
| 93 | BO10 = (B10+B11) | CE10 = (B10+B11) | CS10 = (C10+C11) |
| 94 | BP10 = (B10+B11) | CF10 = (B10+B11) | CT10 = (C10+C11) |
| 95 | BQ10 = (B10+B11) | CG10 = (B10+B11) | CU10 = (C10+C11) |
| 96 | BR10 = (B10+B11) | CH10 = (B10+B11) | CV10 = (C10+C11) |
| 97 | BS10 = (B10+B11) | CI10 = (B10+B11) | CW10 = (C10+C11) |
| 98 | BT10 = (B10+B11) | CK10 = (C10+C11) | CX10 = (C10+C11) |
| 99 | | | CZ10 = (C10+C11) |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BO | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 513 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed April to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | SUTER & USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | RIVER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | JUNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | CVP + SWP & SUTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | WEIGHTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | TOTAL SURVIVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | CROSS CHANNEL CLOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average: 59.12%

| | | | |
|----|---|---|--|
| 85 | BG10 = Study 513 Revised Flow Data I/G7 | BV10 = Study 513 (Revised) Flow Data I/A7H | CK10 = Study 513 Revised Flow Data I/A7 |
| 86 | BH10 = Study 513 Revised Flow Data I/G7 | BX10 = Study 513 Revised Flow Data I/A7B | CL10 = Study 513 Revised Flow Data I/A7C |
| 87 | BI10 = Study 513 Revised Flow Data I/A7 | BW10 = Study 513 Revised Flow Data I/A7B | CM10 = Study 513 Flow Revised Data I/A7C |
| 88 | BJ10 = (BH10*BG10) | BZ10 = (BW10*BG10) | CN10 = (CM10*BG10) |
| 89 | BK10 = 0.374*BG10-950 | CA10 = (BX10*BSK4*(0.133*BV10+829)/(BV10-BZ10))*(0.293*BV10+2090)/(BV10-BZ10) | CO10 = 0.374*CK10-950 |
| 90 | BL10 = (BP10*BSG2*(0.133*BG10+829)/(BG10-BK10))*(0.293*BG10+2090)/(BG10-BK10) | CB10 = (0.45*(0.133*BV10+829)/(BV10-BZ10))*(0.55*CA10) | CP10 = (CF10*BSK4*(0.133*CK10+829)/(CK10-CO10))*(0.293*CK10+2090)/(CK10-CO10) |
| 91 | BM10 = (0.133*BG10+829)/(BG10-BK10) | CC10 | CQ10 = (0.45*(0.133*CK10+829)/(CK10-CO10))*(0.55*CP10) |
| 92 | BN10 | CD10 = (F(-(2.45925+0.0420748*CC10)*0.0,(-2.45925+0.0420748*CC10)) | CR10 |
| 93 | BO10 = (F(-(2.45925+0.0420748*BN10)*0.0,(-2.45925+0.0420748*BN10)) | CE10 = (F(-(0.5916024+0.017988*CC10)+0.7988*CC10+0.0000434*BY11 | CS10 = (F(-(2.45925+0.0420748*CR10)*0.0,(-2.45925+0.0420748*CR10)) |
| 94 | BP10 = (F(-(0.5916024+0.017988*BN10)+0.7988*BN10+0.0000434*BJ11 | CF10 = (F(-(0.5916024+0.017988*BN10)+0.7988*BN10+0.0000434*BJ11 | CT10 = (F(-(0.5916024+0.017988*BN10)+0.7988*BN10+0.0000434*BJ11 |
| 95 | BQ10 = 1.613493*(0.0319584*BN10) | CG10 = (CE10*CH10)/(CF10*(1-CH10)) | CU10 = 1.613493*(0.0319584*CN10) |
| 96 | BR10 = (BP10*BM10)/(BO10*(1-BM10)) | CH10 = (CG10*CO10)/(CQ10*(1-CQ10)) | CV10 = (CT10*CU10)/(CU10*(1-CQ10)) |
| 97 | BS10 = (BO10*BR10)/(BO10*BR10) | CI10 = 1-CW10 | CW10 = (CS10*CV10)/(CS10*CV10) |
| 98 | BT10 = 1-BS10 | | CX10 = 1-CW10 |
| 99 | | | CZ10 = (0.01*TO10+0.06*AO10+0.17*AQ10+0.28*BE10+0.25*BT10+0.16*CI10)/(0.07*CX10) |

| Study 485 Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| December Sacramento River Temp | | | | | | | | | | | | | January Sacramento River Temp | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | |
| Cross Channel closed for 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | | | | January Sacramento River Temp | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | |
| Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | January Sacramento River Temp | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | |
| Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | January Sacramento River Temp | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | |
| Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | January Sacramento River Temp | | | | | | | | | | | | | 47 degrees F | | | | | | | | | | | | |
| DECEMBER | | | | | | | | | | | | | JANUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | |
| Year Sac | | | | | | | | | | | | | Year Sac | | | | | | | | | | | | | Year Sac | | | | | | | | | | | | |
| Water River | | | | | | | | | | | | | Water River | | | | | | | | | | | | | Water River | | | | | | | | | | | | |
| Flow CVP SWP+Stembar | | | | | | | | | | | | | Flow CVP SWP+Stembar | | | | | | | | | | | | | Flow CVP SWP+Stembar | | | | | | | | | | | | |
| Exports Slough % percent | | | | | | | | | | | | | Exports Slough % percent | | | | | | | | | | | | | Exports Slough % percent | | | | | | | | | | | | |
| Slope X-channel | | | | | | | | | | | | | Slope X-channel | | | | | | | | | | | | | Slope X-channel | | | | | | | | | | | | |
| Calculated Mortality | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | |
| Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | | | |
| m1 m2 m3 m23 m123 | | | | | | | | | | | | | m1 m2 m3 m23 m123 | | | | | | | | | | | | | m1 m2 m3 m23 m123 | | | | | | | | | | | | |
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Formulas: Sacramento River Spring Run Young of Year Smolt Survival Model

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| C10 =Study 485 Flow Data*IC7 | Q10 =Study 485 Flow Data*ID7 | AE10 =Study 485 Flow Data*IE7 | AS10 =Study 485 Flow Data*ID7 |
| D10 =Study 485 Flow Data*IN7 | R10 =Study 485 Flow Data*IN7 | AF10 =Study 485 Flow Data*IF7 | AT10 =Study 485 Flow Data*IN7 |
| E10 =Study 485 Flow Data*IX7 | AO10 =Study 485 Flow Data*IX7 | AG10 =Study 485 Flow Data*IG7 | AV10 =Study 485 Flow Data*IX7 |
| G10 =D10+E10 | H10 =R10+AO10 | AI10 =Study 485 Flow Data*IA7 | AW10 =Study 485 Flow Data*IX7 |
| G10=0.374*C10-950 | H10 =0.374*Q10-950 | AJ10 =0.374*AE10-950 | AX10 =0.374*AS10-950 |
| H10 =IF(C10<SK\$4,(0.133*(C10+829)/(C10-G10),(0.293*(C10+2090)/(C10-G10)) | V10 =IF(Q10<SK\$4,(0.133*(Q10+829)/(Q10-U10),(0.293*(Q10+2090)/(Q10-U10)) | AW10 =IF(AE10<SK\$4,(0.133*(AE10+829)/(AE10-AI10),(0.293*(AE10+2090)/(AE10-AI10)) | AY10 =IF(AS10<SK\$2,(0.133*(AS10+829)/(AS10-AW10),(0.293*(AS10+2090)/(AS10-AW10)) |
| W10 =0.45*(0.133*(C10+829)/(C10-G10)+0.55*H10) | X10 =0.45*(0.133*(Q10+829)/(Q10-U10)+0.55*V10) | Y10 =0.45*(0.133*(AE10+829)/(AE10-AI10)+0.55*AW10) | AZ10 =IF(A10<SK\$2,(0.133*(A10+829)/(A10-B10),(0.293*(A10+2090)/(A10-B10)) |
| I10 =IF(-2.45925*(0.0420748*TS2)-0.2.45925*(0.0420748*TS2)) | J10 =IF(-2.45925*(0.0420748*TS3)-0.2.45925*(0.0420748*TS3)) | K10 =IF(-2.45925*(0.0420748*SB2)-0.2.45925*(0.0420748*SB2)) | BA10 =IF(-2.45925*(0.0420748*SB3)-0.2.45925*(0.0420748*SB3)) |
| L10 =0.5916024+(0.017968*TS2)+(0.0000434*F10) | Y10 =0.5916024+(0.017968*TS2)+(0.0000434*F10) | M10 =0.5916024+(0.017968*SB2)+(0.0000434*H10) | BB10 =IF(A10<SK\$4,(0.133*(A10+829)/(A10-B10),(0.293*(A10+2090)/(A10-B10)) |
| N10 =IF(L10<SK\$4,(0.133*(L10+829)/(L10-M10),(0.293*(L10+2090)/(L10-M10)) | Z10 =IF(Y10<SK\$4,(0.133*(Y10+829)/(Y10-AA10),(0.293*(Y10+2090)/(Y10-AA10)) | AA10 =IF(A10<SK\$4,(0.133*(A10+829)/(A10-B10),(0.293*(A10+2090)/(A10-B10)) | BC10 =IF(A10<SK\$4,(0.133*(A10+829)/(A10-B10),(0.293*(A10+2090)/(A10-B10)) |
| M10 =M10*(1+I10) | AB10 =Y10*(1+J10) | AM10 =AM10*(1+K10) | BD10 =A10*(1+L10) |
| N10 =N10*(1+M10) | AC10 =Z10*(1+N10) | AN10 =AN10*(1+O10) | BE10 =A10*(1+BD10) |
| O10 =N10 | AD10 =Z10 | AO10 =N10 | BF10 =A10 |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 485 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | SAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | SUTTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | CROSS CHANNEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | WEIGHTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | TOTAL SURVIVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 62.63% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 59.67% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 57.77% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 63.75% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 59.39% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 62.98% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 59.83% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 60.20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 66.79% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 59.30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 61.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 62.06% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 58.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 61.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 54.97% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 58.56% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 67.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 61.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average: 60.08%

BG10 = Study 485 Flow Data IGT
 BH10 = Study 485 Flow Data IQT
 BI10 = Study 485 Flow Data IAA7
 BJ10 = (BH10+BI10)
 BK10 = 0.374*BG10-950
 BL10 = IF(BG10>SGS2,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10))
 BM10 = (0.133*BG10+829)/(BG10-BK10)
 BN10
 BO10 = IF((-(2.45925+0.0420748*BN10))<0,(2.45925+0.0420748*BN10))
 BP10 = IF((0.591602+0.017968*CR10)<0,(0.0000434*BJ10)+1,(0.591602+0.017968*CR10)<0,(0.0000434*BJ10))
 BQ10 = 1.6134093*(0.0319584*BN10)
 BR10 = (BP10+BM10)/(BQ10*(1-BM10))
 BS10 = BO10+BR10-(BO10*BR10)
 BT10 = 1-BS10

BV10 = Study 485 Flow Data IHT
 BW10 = Study 485 Flow Data IRT
 BX10 = Study 485 Flow Data IAB7
 BY10 = (BV10+BX10)
 BZ10 = IF(BV10>SK54,(0.133*BV10+829)/(BV10-BZ10),(0.293*BV10+2090)/(BV10-BZ10))
 CA10 = (0.45*(0.133*BV10+829)/(BV10-BZ10)+(0.55*CA10))
 CB10 = 1-CA10
 CC10 = IF(-(2.45925+0.0420748*CC10))<0,(2.45925+0.0420748*CC10))
 CD10
 CE10 = IF((0.591602+0.017968*CR10)<0,(0.0000434*BY10)+1,(0.591602+0.017968*CR10)<0,(0.0000434*BY10))
 CF10 = 1.6134093*(0.0319584*BN10)
 CG10 = (CF10+CM10)/(CG10*(1-CM10))
 CH10 = 1-CH10

CK10 = Study 485 Flow Data IIT
 CL10 = Study 485 Flow Data IS7
 CM10 = Study 510 Flow Revised Data IAC7
 CN10 = (CK10+CM10)
 CO10 = 0.374*CK10-950
 CP10 = IF((CK10>SK54,(0.133*CK10+829)/(CK10-CO10),(0.293*CK10+2090)/(CK10-CO10))
 CQ10 = (0.45*(0.133*CK10+829)/(CK10-CO10)+(0.55*CP10))
 CR10
 CS10 = IF(-(2.45925+0.0420748*CR10))<0,(2.45925+0.0420748*CR10))
 CT10 = IF((0.591602+0.017968*CR10)<0,(0.0000434*BJ10)+1,(0.591602+0.017968*CR10)<0,(0.0000434*BJ10))
 CU10 = 1.6134093*(0.0319584*BN10)
 CV10 = (CU10+CU10)/(CV10*(1-CQ10))
 CW10 = CS10+CV10-(CS10*CV10)
 CX10 = 1-CW10
 CY10 = (0.01*CU10)+(0.06*AV10)+(0.17*AQ10)+(0.28*BE10)+(0.25*BT10)+(0.16*CI10)+(0.07*CX10)

| A | | B | | C | | D | | E | | F | | G | | H | | I | | J | | K | | L | | M | | N | | O | | P | | Q | | R | | S | | T | | U | | V | | W | | X | | Y | | Z | | AA | | AB | | AC | | AD | | AE | | AF | | AG | | AH | | AI | | AJ | | AK | | AL | | AM | | AN | | AO | | AP | | AQ | | AR | | AS | | AT | | AU | | AV | | AW | | AX | | AY | | AZ | | BA | | BB | | BC | | BD | | BE | | BF | |
|--|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|--|--|----|--|----|--|----|--|----|--|----|--|----|--------------------------|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|
| 1 Study 519a Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Modified mt by changing the slope to 0.000034 | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | | | | Cross Channel Closed Feb to Apr when DO greater than 12.000 ds | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Formulas: Sacramento River Spring Run Young of Year Smolt Survival Model

| | | | |
|--|--|--|---|
| C10 =Study 513 Revised Flow DataIc7 | Q10 =Study 513 Revised Flow DataIc7 | A10 =Study 513 Revised Flow DataIc7 | AS10 =Study 513 Revised Flow DataIc7 |
| D10 =Study 513 Revised Flow DataIc7 | R10 =Study 513 Revised Flow DataIc7 | AF10 =Study 513 Revised Flow DataIc7 | AT10 =Study 513 Revised Flow DataIc7 |
| S10 =Study 513 Revised Flow DataIc7 | S10 =Study 513 Revised Flow DataIc7 | AG10 =Study 513 Revised Flow DataIc7 | AV10 =Study 513 Revised Flow DataIc7 |
| H10 =D10E10 | T10 =R10S10 | AH10 =Study 513 Revised Flow DataIc7 | AW10 =Study 513 Revised Flow DataIc7 |
| G10 =0.374*C10-950 | U10 =0.374*Q10-950 | AI10 =0.374*A10-950 | AX10 =0.374*AS10-950 |
| H10 =IF(C10<\$K\$4,(0.133*(C10+829)/(C10-G10),(0.293*(C10+2090)/(C10-G10)) | U10 =IF(Q10<\$K\$4,(0.133*(Q10+829)/(Q10-U10),(0.293*(Q10+2090)/(Q10-U10)) | A10 =IF(A10<\$K\$4,(0.133*(A10+829)/(A10-AI10),(0.293*(A10+2090)/(A10-AI10)) | AS10 =IF(AS10<\$G\$2,(0.133*(AS10+829)/(AS10-AT10),(0.293*(AS10+2090)/(AS10-AT10)) |
| I10 =0.45*(0.133*(C10+829)/(C10-G10)+0.55*H10) | W10 =0.45*(0.133*(Q10+829)/(Q10-U10)+0.55*U10) | AW10 =0.133*(A10+829)/(A10-AI10) | AY10 =0.133*(AS10+829)/(AS10-AT10) |
| J10 =IF(-2.49525*(0.0420748*TS32)-0.2.49525*(0.0420748*TS32),0) | X10 =IF(-2.49525*(0.0420748*TS32)-0.2.49525*(0.0420748*TS32),0) | AX10 =IF(-2.49525*(0.0420748*TS32)-0.2.49525*(0.0420748*TS32),0) | AZ10 =IF(-2.49525*(0.0420748*TS32)-0.2.49525*(0.0420748*TS32),0) |
| K10 =0.5916024+(0.017968*TS32)+0.000034*F10 | L10 =0.5916024+(0.017968*TS32)+0.000034*F10 | AL10 =0.5916024+(0.017968*TS32)+0.000034*F10 | BA10 =IF(0.5916024+(0.017968*TS32)+0.000034*F10)-1.1*(0.5916024+(0.017968*TS32)+0.000034*F10) |
| M10 =IF(1.519495*(TS32)-0.1.619495*(0.0319584*TS32),0) | N10 =IF(1.519495*(TS32)-0.1.619495*(0.0319584*TS32),0) | AN10 =IF(1.519495*(TS32)-0.1.619495*(0.0319584*TS32),0) | BB10 =IF(1.519495*(TS32)-0.1.619495*(0.0319584*TS32),0) |
| M10 =M10*(1+H10)*I10 | A10 =A10*(1+U10)*W10 | AM10 =AM10*(1+AW10)*AY10 | BC10 =A10*(1+H10)*I10 |
| N10 =N10*(1+M10)*J10 | AB10 =AB10*(1+U10)*W10 | AP10 =AP10*(1+AW10)*AY10 | BD10 =A10*(1+H10)*I10 |
| O10 =1+H10 | AO10 =1+U10 | AA10 =1+AW10 | BE10 =1+BD10 |
| | | | |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 519a Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed April to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Suter & Stambaugh | | | | | | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Suter & Stambaugh | | | | | | | | | | | | | | | | | | | | USBR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | River | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Flows CVP SWP exports Slough % | | | | | | | | | | | | | | | | | | | | Flows CVP SWP exports Slough % | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | CVP + SWP & Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | X-Channel observed | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Percent Closed | | | | | | | | | | | | | | | | | | | | Percent Closed | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | temp m1 m2 m3 m4 | | | | | | | | | | | | | | | | | | | | temp m1 m2 m3 m4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | m5 m6 m7 m8 m9 m10 | | | | | | | | | | | | | | | | | | | | m5 m6 m7 m8 m9 m10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | m11 m12 m13 m14 m15 | | | | | | | | | | | | | | | | | | | | m11 m12 m13 m14 m15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | m16 m17 m18 m19 m20 | | | | | | | | | | | | | | | | | | | | m16 m17 m18 m19 m20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | m21 m22 m23 m24 m25 | | | | | | | | | | | | | | | | | | | | m21 m22 m23 m24 m25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | m26 m27 m28 m29 m30 | | | | | | | | | | | | | | | | | | | | m26 m27 m28 m29 m30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | m31 m32 m33 m34 m35 | | | | | | | | | | | | | | | | | | | | m31 m32 m33 m34 m35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | m36 m37 m38 m39 m40 | | | | | | | | | | | | | | | | | | | | m36 m37 m38 m39 m40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | m41 m42 m43 m44 m45 | | | | | | | | | | | | | | | | | | | | m41 m42 m43 m44 m45 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | m46 m47 m48 m49 m50 | | | | | | | | | | | | | | | | | | | | m46 m47 m48 m49 m50 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | m51 m52 m53 m54 m55 | | | | | | | | | | | | | | | | | | | | m51 m52 m53 m54 m55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | m56 m57 m58 m59 m60 | | | | | | | | | | | | | | | | | | | | m56 m57 m58 m59 m60 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | m61 m62 m63 m64 m65 | | | | | | | | | | | | | | | | | | | | m61 m62 m63 m64 m65 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | m66 m67 m68 m69 m70 | | | | | | | | | | | | | | | | | | | | m66 m67 m68 m69 m70 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | m71 m72 m73 m74 m75 | | | | | | | | | | | | | | | | | | | | m71 m72 m73 m74 m75 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | m76 m77 m78 m79 m80 | | | | | | | | | | | | | | | | | | | | m76 m77 m78 m79 m80 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | m81 m82 m83 m84 m85 | | | | | | | | | | | | | | | | | | | | m81 m82 m83 m84 m85 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | m86 m87 m88 m89 m90 | | | | | | | | | | | | | | | | | | | | m86 m87 m88 m89 m90 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | m91 m92 m93 m94 m95 | | | | | | | | | | | | | | | | | | | | m91 m92 m93 m94 m95 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | m96 m97 m98 m99 m100 | | | | | | | | | | | | | | | | | | | | m96 m97 m98 m99 m100 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | m101 m102 m103 m104 m105 | | | | | | | | | | | | | | | | | | | | m101 m102 m103 m104 m105 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | m106 m107 m108 m109 m110 | | | | | | | | | | | | | | | | | | | | m106 m107 m108 m109 m110 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | m111 m112 m113 m114 m115 | | | | | | | | | | | | | | | | | | | | m111 m112 m113 m114 m115 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | m116 m117 m118 m119 m120 | | | | | | | | | | | | | | | | | | | | m116 m117 m118 m119 m120 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | m121 m122 m123 m124 m125 | | | | | | | | | | | | | | | | | | | | m121 m122 m123 m124 m125 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | m126 m127 m128 m129 m130 | | | | | | | | | | | | | | | | | | | | m126 m127 m128 m129 m130 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | m131 m132 m133 m134 m135 | | | | | | | | | | | | | | | | | | | | m131 m132 m133 m134 m135 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | m136 m137 m138 m139 m140 | | | | | | | | | | | | | | | | | | | | m136 m137 m138 m139 m140 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | m141 m142 m143 m144 m145 | | | | | | | | | | | | | | | | | | | | m141 m142 m143 m144 m145 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | m146 m147 m148 m149 m150 | | | | | | | | | | | | | | | | | | | | m146 m147 m148 m149 m150 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | m151 m152 m153 m154 m155 | | | | | | | | | | | | | | | | | | | | m151 m152 m153 m154 m155 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | m156 m157 m158 m159 m160 | | | | | | | | | | | | | | | | | | | | m156 m157 m158 m159 m160 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | m161 m162 m163 m164 m165 | | | | | | | | | | | | | | | | | | | | m161 m162 m163 m164 m165 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | m166 m167 m168 m169 m170 | | | | | | | | | | | | | | | | | | | | m166 m167 m168 m169 m170 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | m171 m172 m173 m174 m175 | | | | | | | | | | | | | | | | | | | | m171 m172 m173 m174 m175 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | m176 m177 m178 m179 m180 | | | | | | | | | | | | | | | | | | | | m176 m177 m178 m179 m180 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | m181 m182 m183 m184 m185 | | | | | | | | | | | | | | | | | | | | m181 m182 m183 m184 m185 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | m186 m187 m188 m189 m190 | | | | | | | | | | | | | | | | | | | | m186 m187 m188 m189 m190 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | m191 m192 m193 m194 m195 | | | | | | | | | | | | | | | | | | | | m191 m192 m193 m194 m195 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | m196 m197 m198 m199 m200 | | | | | | | | | | | | | | | | | | | | m196 m197 m198 m199 m200 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | m201 m202 m203 m204 m205 | | | | | | | | | | | | | | | | | | | | m201 m202 m203 m204 m205 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | m206 m207 m208 m209 m210 | | | | | | | | | | | | | | | | | | | | m206 m207 m208 m209 m210 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | m211 m212 m213 m214 m215 | | | | | | | | | | | | | | | | | | | | m211 m212 m213 m214 m215 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | m216 m217 m218 m219 m220 | | | | | | | | | | | | | | | | | | | | m216 m217 m218 m219 m220 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | m221 m222 m223 m224 m225 | | | | | | | | | | | | | | | | | | | | m221 m222 m223 m224 m225 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | m226 m227 m228 m229 m230 | | | | | | | | | | | | | | | | | | | | m226 m227 m228 m229 m230 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | m231 m232 m233 m234 m235 | | | | | | | | | | | | | | | | | | | | m231 m232 m233 m234 m235 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | m236 m237 m238 m239 m240 | | | | | | | | | | | | | | | | | | | | m236 m237 m238 m239 m240 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | m241 m242 m243 m244 m245 | | | | | | | | | | | | | | | | | | | | m241 m242 m243 m244 m245 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | m246 m247 m248 m249 m250 | | | | | | | | | | | | | | | | | | | | m246 m247 m248 m249 m250 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | m251 m252 m253 m254 m255 | | | | | | | | | | | | | | | | | | | | m251 m252 m253 m254 m255 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | m256 m257 m258 m259 m260 | | | | | | | | | | | | | | | | | | | | m256 m257 m258 m259 m260 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | m261 m262 m263 m264 m265 | | | | | | | | | | | | | | | | | | | | m261 m262 m263 m264 m265 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | m266 m267 m268 m269 m270 | | | | | | | | | | | | | | | | | | | | m266 m267 m268 m269 m270 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | m271 m272 m273 m274 m275 | | | | | | | | | | | | | | | | | | | | m271 m272 m273 m274 m275 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | m276 m277 m278 m279 m280 | | | | | | | | | | | | | | | | | | | | m276 m277 m278 m279 m280 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | m281 m282 m283 m284 m285 | | | | | | | | | | | | | | | | | | | | m281 m282 m283 m284 m285 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | m286 m287 m288 m289 m290 | | | | | | | | | | | | | | | | | | | | m286 m287 m288 m289 m290 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | m291 m292 m293 m294 m295 | | | | | | | | | | | | | | | | | | | | m291 m292 m293 m294 m295 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | m296 m297 m298 m299 m300 | | | | | | | | | | | | | | | | | | | | m296 m297 m298 m299 m300 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | m301 m302 m303 m304 m305 | | | | | | | | | | | | | | | | | | | | m301 m302 m303 m304 m305 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | m306 m307 m308 m309 m310 | | | | | | | | | | | | | | | | | | | | m306 m307 m308 m309 m310 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | m311 m312 m313 m314 m315 | | | | | | | | | | | | | | | | | | | | m311 m312 m313 m314 m315 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | m316 m317 m318 m319 m320 | | | | | | | | | | | | | | | | | | | | m316 m317 m318 m319 m320 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | m321 m322 m323 m324 m325 | | | | | | | | | | | | | | | | | | | | m321 m322 m323 m324 m325 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | m326 m327 m328 m329 m330 | | | | | | | | | | | | | | | | | | | | m326 m327 m328 m329 m330 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | m331 m332 m333 m334 m335 | | | | | | | | | | | | | | | | | | | | m331 m332 m333 m334 m335 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | m336 m337 m338 m339 m340 | | | | | | | | | | | | | | | | | | | | m336 m337 m338 m339 m340 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | m341 m342 m343 m344 m345 | | | | | | | | | | | | | | | | | | | | m341 m342 m343 m344 m345 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | m346 m347 m348 m349 m350 | | | | | | | | | | | | | | | | | | | | m346 m347 m348 m349 m350 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | m351 m352 m353 m354 m355 | | | | | | | | | | | | | | | | | | | | m351 m352 m353 m354 m355 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | m356 m357 m358 m359 m360 | | | | | | | | | | | | | | | | | | | | m356 m357 m358 m359 m360 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | m361 m362 m363 m364 m365 | | | | | | | | | | | | | | | | | | | | m361 m362 m363 m364 m365 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | m366 m367 m368 m369 m370 | | | | | | | | | | | | | | | | | | | | m366 m367 m368 m369 m370 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | m371 m372 m373 m374 m375 | | | | | | | | | | | | | | | | | | | | m371 m372 m373 m374 m375 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | m376 m377 m378 m379 m380 | | | | | | | | | | | | | | | | | | | | m376 m377 m378 m379 m380 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | m381 m382 m383 m384 m385 | | | | | | | | | | | | | | | | | | | | m381 m382 m383 m384 m385 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | m386 m387 m388 m389 m390 | | | | | | | | | | | | | | | | | | | | m386 m387 m388 m389 m390 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | m391 m392 m393 m394 m395 | | | | | | | | | | | | | | | | | | | | m391 m392 m393 m394 m395 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | m396 m397 m398 m399 m400 | | | | | | | | | | | | | | | | | | | | m396 m397 m398 m399 m400 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | m401 m402 m403 m404 m405 | | | | | | | | | | | | | | | | | | | | m401 m402 m403 m404 m405 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | m406 m407 m408 m409 m410 | | | | | | | | | | | | | | | | | | | | m406 m407 m408 m409 m410 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | m411 m412 m413 m414 m415 | | | | | | | | | | | | | | | | | | | | m411 m412 m413 m414 m415 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | m416 m417 m418 m419 m420 | | | | | | | | | | | | | | | | | | | | m416 m417 m418 m419 m420 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | m421 m422 m423 m424 m425 | | | | | | | | | | | | | | | | | | | | m421 m422 m423 m424 m425 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | m426 m427 m428 m429 m430 | | | | | | | | | | | | | | | | | | | | m426 m427 m428 m429 m430 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | m431 m432 m433 m434 m435 | | | | | | | | | | | | | | | | | | | | m431 m432 m433 m434 m435 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | m436 m437 m438 m439 m440 | | | | | | | | | | | | | | | | | | | | m436 m437 m438 m439 m440 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average 59.53%

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 85 | BG10 =Study 513 Revised Flow Data IGT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | BH10 =Study 513 Revised Flow Data IQ7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | BI10 =Study 513 Revised Flow Data IQA7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | BJ10 = (BH10-BI10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | BK10 =0.374*BG10-950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | BL10 =F((BG10-952)*(0.133*BG10+829)/(BG10-BK10))*(0.293*BG10+2090)/(BG10-BK10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | BM10 = (0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | BN10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | BO10 =F((-2.45925*(0.0420748*BN10)+0.0*(-2.45925*(0.0420748*BN10))) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | BP10 =F((0.5916024*(0.017988*CN10)+0.0000434*BY10)+1.1*(-0.5916024*(0.017988*CN10)+0.0000434*BY10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | BQ10 =1.613493*(0.0319584*BN10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | BR10 = (BP10*BM10)/(BO10*(1-BM10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | BS10 =BO10+BR10-(BO10*BR10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | BT10 =1-BS10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | BV10 =Study 513 (Revised) Flow Data IHT | | | | | | | | | | | | | | | | | | | | BV10 =Study 513 (Revised) Flow Data IHT | | | | | | | | | | | | | | | | | | | |
| 86 | BX10 =Study 513 (Revised) Flow Data IR7 | | | | | | | | | | | | | | | | | | | | BX10 =Study 513 (Revised) Flow Data IR7 | | | | | | | | | | | | | | | | | | | |
| 87 | BY10 =Study 513 (Revised) Flow Data IAB7 | | | | | | | | | | | | | | | | | | | | BY10 =Study 513 (Revised) Flow Data IAB7 | | | | | | | | | | | | | | | | | | | |
| 88 | BZ10 = (BV10-BY10) | | | | | | | | | | | | | | | | | | | | BZ10 = (BV10-BY10) | | | | | | | | | | | | | | | | | | | |
| 89 | CA10 =F((BV10-954)*(0.133*BV10+829)/(BV10-BZ10))*(0.293*BV10+2090)/(BV10-BZ10) | | | | | | | | | | | | | | | | | | | | CA10 =F((BV10-954)*(0.133*BV10+829)/(BV10-BZ10))*(0.293*BV10+2090)/(BV10-BZ10) | | | | | | | | | | | | | | | | | | | |
| 90 | CB10 = (0.133*BV10+829)/(BV10-BZ10)+0.55*CA10 | | | | | | | | | | | | | | | | | | | | CB10 = (0.133*BV10+829)/(BV10-BZ10)+0.55*CA10 | | | | | | | | | | | | | | | | | | | |
| 91 | CC10 | | | | | | | | | | | | | | | | | | | | CC10 | | | | | | | | | | | | | | | | | | | |
| 92 | CD10 =F((-2.45925*(0.0420748*CC10)+0.0*(-2.45925*(0.0420748*CC10))) | | | | | | | | | | | | | | | | | | | | CD10 =F((-2.45925*(0.0420748*CC10)+0.0*(-2.45925*(0.0420748*CC10))) | | | | | | | | | | | | | | | | | | | |
| 93 | CE10 =F((-0.5916024*(0.017988*CN10)+0.0000434*BY10)+1.1*(-0.5916024*(0.017988*CN10)+0.0000434*BY10)) | | | | | | | | | | | | | | | | | | | | CE10 =F((-0.5916024*(0.017988*CN10)+0.0000434*BY10)+1.1*(-0.5916024*(0.017988*CN10)+0.0000434*BY10)) | | | | | | | | | | | | | | | | | | | |
| 94 | CF10 =1.613493*(0.0319584*CN10) | | | | | | | | | | | | | | | | | | | | CF10 =1.613493*(0.0319584*CN10) | | | | | | | | | | | | | | | | | | | |
| 95 | CG10 = (CE10*CM10)/(CO10*(1-CM10)) | | | | | | | | | | | | | | | | | | | | CG10 = (CE10*CM10)/(CO10*(1-CM10)) | | | | | | | | | | | | | | | | | | | |
| 96 | CH10 =CD10+CG10-(CD10*CG10) | | | | | | | | | | | | | | | | | | | | CH10 =CD10+CG10-(CD10*CG10) | | | | | | | | | | | | | | | | | | | |
| 97 | CI10 =1-CW10 | | | | | | | | | | | | | | | | | | | | CI10 =1-CW10 | | | | | | | | | | | | | | | | | | | |
| 98 | CJ10 = (0.01*CI10)+(0.08*CA10)+(0.17*AQ10)+(0.28*BE10)+(0.25*BT10)+(0.16*CI10)+(0.07*CX10) | | | | | | | | | | | | | | | | | | | | CJ10 = (0.01*CI10)+(0.08*CA10)+(0.17*AQ10)+(0.28*BE10)+(0.25*BT10)+(0.16*CI10)+(0.07*CX10) | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|----|----|----|-----------|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 492 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | JUNE | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Smoother | | | | | Smoother | | | | | | | | | | | | | | | |
| 6 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | River | | | | | | | | | | | | | | | |
| 7 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | CVP + SWP | | | | | | | | | | | | | | | |
| 8 | Exports | | | | | | | | | | | | | | | | | | | | Exports | | | | | Exports | | | | | | | | | | | | | | | |
| 9 | Slough | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | Slough Q | | | | | | | | | | | | | | | |
| 10 | Percent | | | | | | | | | | | | | | | | | | | | Percent | | | | | Percent | | | | | | | | | | | | | | | |
| 11 | Closed | | | | | | | | | | | | | | | | | | | | Closed | | | | | Closed | | | | | | | | | | | | | | | |
| 12 | temp f | | | | | | | | | | | | | | | | | | | | temp f | | | | | temp f | | | | | | | | | | | | | | | |
| 13 | m1 | | | | | | | | | | | | | | | | | | | | m1 | | | | | m1 | | | | | | | | | | | | | | | |
| 14 | m2 | | | | | | | | | | | | | | | | | | | | m2 | | | | | m2 | | | | | | | | | | | | | | | |
| 15 | m3 | | | | | | | | | | | | | | | | | | | | m3 | | | | | m3 | | | | | | | | | | | | | | | |
| 16 | m23 | | | | | | | | | | | | | | | | | | | | m23 | | | | | m23 | | | | | | | | | | | | | | | |
| 17 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 18 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 19 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 22 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 23 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 24 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 25 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 26 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 27 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 28 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 31 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 33 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 35 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 37 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 39 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 43 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 47 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 49 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 51 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 53 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 55 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 57 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 59 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 63 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 65 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 67 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 69 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 71 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 73 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 75 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 79 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | |
| 80 | Average: 32.53% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | Formulas Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | CS =Study 467 Flow Data'I G7 | | | | | | | | | | | | | | | R8 =Study 467 Flow Data'I H7 | | | | | | | | | | | | | | | AG8 =Study 467 Flow Data'I I7 (HIDDEN) | | | | | | | | | | |
| 83 | DB =Study 467 Flow Data'I A7 (HIDDEN) | | | | | | | | | | | | | | | SR =Study 467 Flow Data'I R7 (HIDDEN) | | | | | | | | | | | | | | | AH8 =Study 467 Flow Data'I S7 (HIDDEN) | | | | | | | | | | |
| 84 | EB =Study 467 Flow Data'I O7 (HIDDEN) | | | | | | | | | | | | | | | T8 =Study 467 Flow Data'I AB7 (HIDDEN) | | | | | | | | | | | | | | | A18 =Study 513 Flow Revised Data'I AC7 | | | | | | | | | | |
| 85 | FB =(D8+E8) | | | | | | | | | | | | | | | U8 =(S8+T8) | | | | | | | | | | | | | | | A8 =(AH8+A18) | | | | | | | | | | |
| 86 | G8 =0.374*C8-950 | | | | | | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | | | | | | AK8 =0.374*AG8-950 | | | | | | | | | | |
| 87 | H8 =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | | | | | | AL8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | |
| 88 | I8 =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | | | | | | X8 =(R8*(0.133*R8+829)/(R8-V8))+0.16*W8 | | | | | | | | | | | | | | | AM8 =(0.277*(0.133*AG8+829)/(AG8-AK8))+0.73*AL8 | | | | | | | | | | |
| 89 | K8 =IF((-2.45925+(0.0420748*J8))<0,(-2.45925+(0.0420748*J8))) | | | | | | | | | | | | | | | Z8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | AO8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | |
| 90 | L8 =IF((-0.5916024)+(0.017968*AN8))<0,(0.0000434*F8) | | | | | | | | | | | | | | | AA8 =IF((-0.5916024)+(0.017968*AN8))<0,(0.0000434*F8) | | | | | | | | | | | | | | | AP8 =IF((-0.5916024)+(0.017968*AN8))<0,(0.0000434*F8)) | | | | | | | | | | |
| 91 | M8 =1.613493*(0.0319584*J8) | | | | | | | | | | | | | | | AB8 =1.613493*(0.0319584*Y8) | | | | | | | | | | | | | | | AQ8 =1.613493*(0.0319584*Y8) | | | | | | | | | | |
| 92 | NB =(L8*I8)*(M8*(1-I8)) | | | | | | | | | | | | | | | AC8 =(AB8*X8)/(AB8*(1-X8)) | | | | | | | | | | | | | | | AR8 =(AP8*AM8)/(AP8*(1-AM8)) | | | | | | | | | | |
| 93 | OC =K8*N8*(K8*N8) | | | | | | | | | | | | | | | AD8 =Z8*AC8*(Z8*AC8) | | | | | | | | | | | | | | | AS8 =AR8*(AR8*(AR8*AR8)) | | | | | | | | | | |
| 94 | PB =1-O8 | | | | | | | | | | | | | | | AE8 =1-A8 | | | | | | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | |

Table with columns A through AT, containing data for Sacramento River Late Fall Run Smolt Survival Model. Includes headers for months (NOVEMBER, DECEMBER, JANUARY) and various metrics like Water, Sac, CVP+SWP, and Calculated Mortality.

Formulas: Sacramento River Late Fall Run Smolt Survival Model

Formulas for columns 85-96, including C10, D10, E10, F10, G10, H10, I10, J10, K10, L10, M10, N10, O10.

Formulas for columns Q10-R10, S10, T10, U10, V10, W10, X10, Y10, Z10, AA10, AB10, AC10, AD10, AE10, AF10, AG10, AH10, AI10, AJ10, AK10, AL10, AM10, AN10, AO10, AP10, AQ10, AR10, AS10, AT10.

Average: 63.25%

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 492 Winter Run Smolt Survival Model | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | April Water Temperatures based on limited historical data from USBR | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | APRIL | | | | | | | | | | | | |
| 7 | Water Sacer | | | | | | | | | | | | | Sacer | | | | | | | | | | | | | Sacer | | | | | | | | | | | | |
| 8 | Flow | | | | | | | | | | | | | Flow | | | | | | | | | | | | | Flow | | | | | | | | | | | | |
| 9 | CVP + SWP | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | |
| 10 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | | | |
| 11 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | | | |
| 12 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | | | |
| 13 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | |
| 14 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | | | |
| 15 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | | | |
| 16 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | | | |
| 17 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | | | |
| 18 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 19 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 20 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 21 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 22 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 23 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 24 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 25 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 26 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 27 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 28 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 29 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 30 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 31 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 32 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 33 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 34 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 35 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 36 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 37 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 38 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 39 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 40 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 41 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 42 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 43 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 44 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 45 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 46 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 47 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 48 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 49 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 50 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 51 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 52 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 53 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 54 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 55 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 56 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 57 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 58 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 59 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 60 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 61 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 62 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 63 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 64 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 65 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 66 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 67 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 68 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 69 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 70 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 71 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 72 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 73 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 74 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 75 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 76 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 77 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 78 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 79 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 80 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 81 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | | | |
| 82 | Formulas: Winter Run Salmon Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data'E07 | | | | | | | | | | | | | Q10 =Study 467 Flow Data'F7 | | | | | | | | | | | | | AE10 =Study 467 Flow Data'G7 | | | | | | | | | | | | |
| 86 | R10 =Study 467 Flow Data'I07 | | | | | | | | | | | | | AF10 =Study 467 Flow Data'IO7 | | | | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data'Y7 | | | | | | | | | | | | | S10 =Study 467 Flow Data'IZ7 | | | | | | | | | | | | | AG10 =Study 467 Flow Data'IAA7 | | | | | | | | | | | | |
| 88 | F10 =(D9+E9) | | | | | | | | | | | | | T10 =(R9+S9) | | | | | | | | | | | | | AH10 =AF9+AG9 | | | | | | | | | | | | |
| 89 | G10 =0.374*C9-950 | | | | | | | | | | | | | U10 =0.374*Q9-950 | | | | | | | | | | | | | AI10 =0.374*AE9-950 | | | | | | | | | | | | |
| 90 | H10 =IF(C9>=GS2,(0.133*C9+G9)/(C9-G9),(0.293*C9+2090)/(C9-G9)) | | | | | | | | | | | | | V10 =IF(C9>=GS2,(0.133*Q9+H9)/(Q9-U9),(0.293*Q9+2090)/(Q9-U9)) | | | | | | | | | | | | | AJ10 =IF(AE9>=GS2,(0.133*AE9+H9)/(AE9-AI9),(0.293*AE9+2090)/(AE9-AI9)) | | | | | | | | | | | | |
| 91 | I10 =(0.133*C9+829)/(C9-G9) | | | | | | | | | | | | | Y10 =(0.133*Q9+829)/(Q9-U9) | | | | | | | | | | | | | AK10 =(0.133*AE9+829)/(AE9-AI9) | | | | | | | | | | | | |
| 92 | K10 =(-0.5916024)+(0.017968*MS1)+(0.000054*F9) | | | | | | | | | | | | | W10 =IF((-0.5916024)+(0.017968*MS2)+(0.000054*F9)),1,((-0.5916024)+(0.017968*MS2)+(0.000054*F9)) | | | | | | | | | | | | | AL10 =IF((-0.5916024)+(0.017968*MS2)+(0.000054*F9)),1,((-0.5916024)+(0.017968*MS2)+(0.000054*F9)) | | | | | | | | | | | | |
| 93 | M10 =(K9+J9)/(J9-I9) | | | | | | | | | | | | | Z10 =-1.613493+(0.0319584*SM2) | | | | | | | | | | | | | AM10 =IF((-0.5916024)+(0.017968*MS2)+(0.000054*F9)),1,((-0.5916024)+(0.017968*MS2)+(0.000054*F9)) | | | | | | | | | | | | |
| 94 | N10 =(J9+I9)/(I9-H9) | | | | | | | | | | | | | AA10 =-(Y9*W9)+Z9*(1-W9) | | | | | | | | | | | | | AN10 =-(1.613493+(0.0319584*SM2)) | | | | | | | | | | | | |
| 95 | O10 =1-N9 | | | | | | | | | | | | | AB10 =X9+AA9-(X9*AA9) | | | | | | | | | | | | | AO10 =-(AN9*AO9)/(AO9*(1-AK9)) | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | AC10 =1-AB9 | | | | | | | | | | | | | AQ10 =AM9+AP9-(AM9*AP9) | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | | |
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| 1 | Study 492 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data\I7 | | | | | | | | | | AE10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\I7 | | | | | | | | | | AF10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\I7 | | | | | | | | | | AG10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =Q10+S10*0.950 | | | | | | | | | | AI10 =D10+AE10*0.950 | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SKS4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SKS4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =IF(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =IF(0.133*Q10+829)/(Q10-U10) | | | | | | | | | | AK10 =IF(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(2.45925+(0.0420748*ST31)-0.249525+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(2.45925+(0.0420748*ST32)-0.249525+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(2.45925+(0.0420748*ST33)-0.249525+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST31)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST32)+0.000054*T10 | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST33)+0.000054*U10 | | | | | | | | | |
| 94 | L10 =IF(1.613493+(0.0319584*ST31)-0.1613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(1.613493+(0.0319584*ST32)-0.1613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(1.613493+(0.0319584*ST33)-0.1613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =K10+H10+J10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =Y10*W10+X10*(1-W10) | | | | | | | | | | AO10 =AM10+AN10*(1-AI10) | | | | | | | | | |
| 96 | N10 =J10+M10*(J10/M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+M10*(X10/M10) | | | | | | | | | | AQ10 =AL10+AO10*(AL10/AQ10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AP10 =1-AP10 | | | | | | | | | |

| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU |
|----|--|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|-----------------|----|----|----|----|----|
| 1 | Study 492 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | February Water Temp | | | | | | | | | | 50 F | | | | | |
| 3 | | | | | | | | | | | | | | March Water Temp | | | | | | | | | | 55 F | | | | | |
| 4 | | | | | | | | | | | | | | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | AVERAGE: 59.74% | | | | | |
| 7 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | |
| 8 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 9 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 10 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 11 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 12 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 13 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 14 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 15 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 16 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 17 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 18 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 19 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 20 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 21 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 22 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 23 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 24 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 25 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 26 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 27 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 28 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 29 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 30 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 31 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 32 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 33 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 34 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 35 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 36 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 37 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 38 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 39 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 40 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 41 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 42 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 43 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 44 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 45 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 46 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 47 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 48 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 49 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 50 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 51 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 52 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 53 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 54 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 55 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 56 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 57 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 58 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 59 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 60 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 61 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 62 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 63 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 64 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 65 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 66 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 67 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 68 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 69 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 70 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 71 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 72 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 73 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 74 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 75 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 76 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 77 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 78 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 79 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 80 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 81 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 82 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 83 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 84 | Survivorship | | | | | | | | | | | | | Survivorship | | | | | | | | | | Survivorship | | | | | |
| 85 | AS10 =Study 467 Flow Data\I07 | | | | | | | | | | | | | BG10 =Study 467 Flow Data\F07 | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 467 Flow Data\I07 | | | | | | | | | | | | | BH10 =Study 467 Flow Data\P07 | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 467 Flow Data\Y07 | | | | | | | | | | | | | BI10 =Study 467 Flow Data\Z07 | | | | | | | | | | | | | | | |
| 88 | AV10 =(AT10+AU10) | | | | | | | | | | | | | BJ10 =(BH10+BI10) | | | | | | | | | | | | | | | |
| 89 | AW10 =(3.374*AS10+950) | | | | | | | | | | | | | BK10 =(3.374*BG10+950) | | | | | | | | | | | | | | | |
| 90 | AX10 =(IF(AS10<SK\$4,(0.133*AS10+829),(AS10-AW10),(0.293*AS10+2090),(AS10-AW10)) | | | | | | | | | | | | | BL10 =(IF(BG10<SK\$4,(0.133*BG10+829),(BG10-BK10),(0.293*BG10+2090),(BG10-BK10)) | | | | | | | | | | | | | | | |
| 91 | AY10 =(0.133*AS10+829)/(AS10-AW10) | | | | | | | | | | | | | BM10 =(0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | |
| 92 | AZ10 =(IF(-2.45925+(0.0420748*SB\$C32)>0,-2.45925+(0.0420748*SB\$C32),0) | | | | | | | | | | | | | BN10 =(IF(-2.45925+(0.0420748*SB\$C33)>0,-2.45925+(0.0420748*SB\$C33),0) | | | | | | | | | | | | | | | |
| 93 | BA10 =(0.5916024)+(0.017968*SB\$T33)+(0.000054*AH10) | | | | | | | | | | | | | BO10 =(0.5916024)+(0.017968*SB\$T33)+(0.000054*BJ10) | | | | | | | | | | | | | | | |
| 94 | BB10 =(IF(-1.613493+(0.0319584*SB\$C32)>0,-1.613493+(0.0319584*SB\$C32),0) | | | | | | | | | | | | | BP10 =(IF(-1.613493+(0.0319584*SB\$C33)>0,-1.613493+(0.0319584*SB\$C33),0) | | | | | | | | | | | | | | | |
| 95 | BC10 =(BA10*AY10)+(BB10*(1-AY10)) | | | | | | | | | | | | | BQ10 =(BP10*BM10)+(BP10*(1-BM10)) | | | | | | | | | | | | | | | |
| 96 | BD10 =(AZ10*BC10)+(AZ10*BC10) | | | | | | | | | | | | | BR10 =(BN10*BO10)+(BN10*BO10) | | | | | | | | | | | | | | | |
| 97 | BE10 =1-BD10 | | | | | | | | | | | | | BS10 =1-BR10 | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | BU10 =(O10*0.37)+(AC10*0.42)+(AO10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 467 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Sutter S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | CVP + SWP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Exports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Slough Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Stress | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | temp f | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | m1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | m23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | MAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | Sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Sutter S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | CVP + SWP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Exports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Slough Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Stress | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | temp f | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | m1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | m23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | JUNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | Sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Sutter S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | CVP + SWP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | Exports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | Slough Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | Stress | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | temp f | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | m1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | m23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Average: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 32.96% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | Formulas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | CS =Study 467 Flow Data'I/G7 | | | | | | | | | | R8 =Study 467 Flow Data'I/H7 | | | | | | | | | | AG8 =Study 467 Flow Data'I/I7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | |
| 69 | DE =Study 467 Flow Data'I/O7 (HIDDEN) | | | | | | | | | | S8 =Study 467 Flow Data'I/R7 (HIDDEN) | | | | | | | | | | AH8 =Study 467 Flow Data'I/S7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | |
| 70 | EB =Study 467 Flow Data'IA07 (HIDDEN) | | | | | | | | | | T8 =Study 467 Flow Data'IAB7 (HIDDEN) | | | | | | | | | | AIB =Study 513 Flow Revised Data'IACT | | | | | | | | | | | | | | | | | | | | |
| 71 | FB =(D8+E8) | | | | | | | | | | U8 =(S8+T8) | | | | | | | | | | AIB8 =(AH8+AIB8) | | | | | | | | | | | | | | | | | | | | |
| 72 | GC =0.374*C8-950 | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | AIB8 =0.374*AG8-950 | | | | | | | | | | | | | | | | | | | | |
| 73 | HD =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | ALB =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | | | | | | | | | | | |
| 74 | IE =(0.133*C8+829)/(C8-G8) | | | | | | | | | | X8 =(0.84*(0.133*R8+829)/(R8-V8))+0.16*V8 | | | | | | | | | | AMB =(0.277*(0.133*AG8+829)/(AG8-AK8))+0.73*AL8 | | | | | | | | | | | | | | | | | | | | |
| 75 | KB =IF((-2.45925+(0.0420748*J8))<0,(-2.45925+(0.0420748*J8))) | | | | | | | | | | Z8 =((-2.45925+(0.0420748*Y8))) | | | | | | | | | | AOC8 =(-2.45925+(0.0420748*AN8)) | | | | | | | | | | | | | | | | | | | | |
| 76 | LB =((-0.5916024)+(0.017968*J8))+0.0000434*F8) | | | | | | | | | | AA8 =((-0.5916024)+(0.017968*Y8))+0.0000434*U8 | | | | | | | | | | AP8 =IF((-0.5916024)+(0.017968*AN8))+0.0000434*AJ8))+1.1((-0.5916024)+(0.017968*AS8))+0.0000434*AV8)) | | | | | | | | | | | | | | | | | | | | |
| 77 | MB =1.613493*(0.0319584*J8) | | | | | | | | | | AB8 =1.613493*(0.0319584*Y8) | | | | | | | | | | AOB =1.613493*(0.0319584*AN8) | | | | | | | | | | | | | | | | | | | | |
| 78 | NB =(L8*H8)*(M8*(1-H8)) | | | | | | | | | | AC8 =(AB8*X8)*(AB8*(1-X8)) | | | | | | | | | | ARB =(AP8*AM8)*(AOB*(1-AM8)) | | | | | | | | | | | | | | | | | | | | |
| 79 | OD =K8*N8*(K8*N8) | | | | | | | | | | AD8 =Z8*AC8*(Z8*AC8) | | | | | | | | | | ASS =AO8*AR8*(AOB*AR8) | | | | | | | | | | | | | | | | | | | | |
| 80 | PE =1-O8 | | | | | | | | | | AE8 =1-AD8 | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|--------------------|---|----|----|----|----|----|----|----|----|------------|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 469 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | JUNE | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Stream | | | | | | | | | | Steamboat | | | | | | | | | | |
| 6 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 7 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 8 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 9 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 10 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-Channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 11 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 12 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 13 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 14 | Year | | | | | | | | | | | | | | | | | | | | Flow | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 15 | Flow | | | | | | | | | | | | | | | | | | | | Exports | | | | | | | | | | Slough Q | | | | | | | | | | |
| 16 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Closed | | | | | | | | | | |
| 17 | temp f | | | | | | | | | | | | | | | | | | | | m1 | | | | | | | | | | m2 | | | | | | | | | | |
| 18 | m2 | | | | | | | | | | | | | | | | | | | | m3 | | | | | | | | | | m23 | | | | | | | | | | |
| 19 | m23 | | | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | Survival | | | | | | | | | | |
| 20 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 21 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 22 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 23 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 24 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 25 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 26 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 27 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 28 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 29 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 30 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 31 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 32 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 33 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 34 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 35 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 36 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 37 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 38 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 39 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 40 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 41 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 42 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 43 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 44 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 45 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 46 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 47 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 48 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 49 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 50 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 51 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 52 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 53 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 54 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 55 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 56 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 57 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 58 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 59 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 60 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 61 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 62 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 63 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 64 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 65 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 66 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 67 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 68 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 69 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 70 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 71 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 72 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 73 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 74 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 75 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 76 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 77 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 78 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 79 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 80 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 81 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 82 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 83 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 84 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 85 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 86 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 87 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 88 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 89 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 90 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 91 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 92 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 93 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 94 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 95 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 96 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 97 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 98 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 99 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 100 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 101 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 102 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 103 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 104 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 105 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 106 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 107 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 108 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 109 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 110 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 111 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 112 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 113 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 114 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 115 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 116 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 117 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 118 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 119 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 120 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 121 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 122 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 123 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 124 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 125 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 126 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 127 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 128 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 129 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 130 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 131 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 132 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 133 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 134 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 135 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 136 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 137 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 138 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 139 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 140 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 141 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 142 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 143 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 144 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 145 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 146 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 147 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 148 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 149 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 150 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 151 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 152 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 153 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 154 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 155 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 156 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 157 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 158 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 159 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 160 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 161 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 162 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 163 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 164 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 165 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 166 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 167 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 168 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 169 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 170 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 171 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 172 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 173 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 174 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 175 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 176 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 177 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 178 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 179 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 180 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 181 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 182 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 183 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 184 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 185 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 186 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 187 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 188 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 189 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 190 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 191 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 192 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 193 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 194 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 195 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 196 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 197 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 198 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 199 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 200 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 201 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 202 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 203 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 204 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 205 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 206 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 207 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 208 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 209 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 210 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 211 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 212 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 213 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 214 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 215 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 216 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 217 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 218 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 219 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 220 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 221 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 222 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 223 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |
| 224 | CVP + SWP | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | Survival | | | | | | | | | | |
| 225 | Flow | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | m1 | | | | | | | | | | |
| 226 | Exports | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | m3 | | | | | | | | | | |
| 227 | SloUGH | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | m123 | | | | | | | | | | |
| 228 | Year | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | USBR | | | | | | | | | | |
| 229 | Flow | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | Calculated | | | | | | | | | | |
| 230 | Exports | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | | | | | | Survival | | | | | | | | | | |
| 231 | SloUGH | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | Mortality | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV | |
|----|--|------|--------|-----------|--------|-----------|----------|------|-------|-------|-------|-------|-------|--------|-----------------|--------------------------------------|-----------|--------|-----------|----------|------------|-------|-------|-------|-------|-------|--------|-----------------|--------|-----------|--------|-----------|----------|-------|-------|-------|-------|-------|-------|-------|-----------------|-----------------|
| 1 | Study 501A Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Steamboat | | | | | | | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | | | | | | | |
| 7 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | | |
| 8 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | | |
| 9 | Year | Year | Flow | CVP + SWP | Slough | X-Channel | observed | temp | f | m1 | m2 | m3 | m23 | m123 | Survival | Flow | CVP + SWP | Slough | X-Channel | observed | temp | f | m1 | m2 | m3 | m23 | m123 | Survival | Flow | CVP + SWP | Slough | X-Channel | observed | temp | f | m1 | m2 | m3 | m23 | m123 | Survival | Weighted |
| 10 | 1944 | A | 22,816 | 6,726 | 7,583 | 58% | 0.25 | 58.5 | 0.002 | 0.751 | 0.256 | 0.382 | 0.383 | 0.383 | 61.7% | 46,457 | 7,260 | 16,425 | 0.23 | 0.23 | 0.23 | 61.2 | 0.116 | 0.823 | 0.342 | 0.455 | 0.518 | 48.2% | 34,719 | 11,272 | 12,035 | 24% | 0.24 | 65.9 | 0.313 | 1.000 | 0.493 | 0.614 | 0.735 | 26.5% | 46.6% | |
| 11 | 1922 | B | 23,682 | 6,658 | 7,907 | 57% | 0.25 | 58.5 | 0.000 | 0.745 | 0.250 | 0.375 | 0.375 | 0.375 | 62.5% | 14,350 | 5,618 | 4,417 | 0.63 | 0.33 | 62.4 | 0.166 | 0.747 | 0.381 | 0.503 | 0.585 | 41.5% | 18,178 | 7,631 | 5,849 | 60% | 0.51 | 65.3 | 0.288 | 0.913 | 0.473 | 0.698 | 0.785 | 21.5% | 41.5% | | |
| 12 | 1924 | C | 17,711 | 2,480 | 1,956 | 75% | 0.32 | 61.3 | 0.128 | 0.617 | 0.352 | 0.438 | 0.510 | 0.490% | 8,602 | 1,101 | 2,267 | 0.73 | 0.38 | 69.2 | 0.452 | 0.700 | 0.598 | 0.636 | 0.801 | 19.9% | 10,477 | 1,252 | 2,968 | 69% | 0.58 | 70.6 | 0.511 | 0.731 | 0.352 | 0.694 | 0.851 | 14.9% | 24.0% | | | |
| 13 | 1925 | D | 20,329 | 5,506 | 6,653 | 59% | 0.26 | 59.1 | 0.027 | 0.709 | 0.275 | 0.387 | 0.404 | 0.384% | 10,964 | 3,928 | 3,151 | 0.68 | 0.35 | 63.2 | 0.200 | 0.714 | 0.406 | 0.516 | 0.612 | 38.8% | 15,358 | 5,440 | 4,794 | 62% | 0.53 | 68.3 | 0.414 | 0.872 | 0.569 | 0.729 | 0.841 | 15.9% | 38.2% | | | |
| 14 | 1926 | E | 17,495 | 5,038 | 5,993 | 61% | 0.27 | 61.6 | 0.133 | 0.734 | 0.355 | 0.456 | 0.528 | 0.472% | 13,343 | 3,980 | 4,400 | 0.64 | 0.34 | 65.7 | 0.305 | 0.762 | 0.486 | 0.579 | 0.708 | 29.2% | 16,593 | 6,554 | 5,256 | 61% | 0.52 | 71.2 | 0.536 | 0.972 | 0.662 | 0.823 | 0.918 | 8.2% | 28.5% | | | |
| 15 | 1927 | W | 48,222 | 6,660 | 17,085 | 23% | 0.23 | 56.8 | 0.000 | 0.718 | 0.202 | 0.322 | 0.322 | 0.322 | 67.8% | 26,781 | 7,072 | 9,066 | 0.25 | 0.25 | 62.6 | 0.175 | 0.840 | 0.387 | 0.499 | 0.587 | 41.3% | 18,893 | 8,345 | 6,116 | 60% | 0.51 | 68.1 | 0.406 | 0.994 | 0.563 | 0.770 | 0.870 | 13.0% | 40.7% | | |
| 16 | 1928 | A | 29,212 | 6,300 | 9,975 | 25% | 0.25 | 56.7 | 0.011 | 0.737 | 0.262 | 0.379 | 0.385 | 0.385 | 61.5% | 19,358 | 5,214 | 6,290 | 0.59 | 0.31 | 66.6 | 0.343 | 0.831 | 0.515 | 0.614 | 0.747 | 25.3% | 14,895 | 6,084 | 4,621 | 63% | 0.53 | 69.7 | 0.473 | 0.925 | 0.614 | 0.779 | 0.884 | 11.6% | 29.0% | | |
| 17 | 1929 | C | 8,767 | 2,636 | 2,329 | 72% | 0.31 | 56.3 | 0.000 | 0.534 | 0.186 | 0.294 | 0.294 | 0.294 | 70.6% | 9,743 | 2,922 | 2,694 | 0.70 | 0.37 | 65.1 | 0.322 | 0.723 | 0.499 | 0.581 | 0.716 | 28.4% | 11,032 | 3,169 | 3,176 | 68% | 0.57 | 70.1 | 0.490 | 0.805 | 0.527 | 0.729 | 0.862 | 13.8% | 33.0% | | |
| 18 | 1930 | D | 12,640 | 3,422 | 3,777 | 65% | 0.28 | 59.6 | 0.048 | 0.628 | 0.291 | 0.387 | 0.416 | 0.416 | 58.4% | 11,748 | 3,278 | 3,444 | 0.67 | 0.35 | 63.1 | 0.196 | 0.684 | 0.403 | 0.501 | 0.599 | 40.1% | 14,493 | 7,085 | 5,966 | 60% | 0.51 | 69.6 | 0.465 | 0.966 | 0.611 | 0.752 | 0.889 | 11.1% | 38.0% | | |
| 19 | 1931 | C | 8,888 | 2,656 | 2,374 | 72% | 0.31 | 62.8 | 0.183 | 0.652 | 0.393 | 0.473 | 0.570 | 0.470 | 63.0% | 9,798 | 2,920 | 2,714 | 0.70 | 0.34 | 70.5 | 0.507 | 0.802 | 0.640 | 0.699 | 0.852 | 14.8% | 13,927 | 4,748 | 4,259 | 64% | 0.54 | 70.7 | 0.515 | 0.885 | 0.646 | 0.775 | 0.891 | 10.9% | 19.8% | | |
| 20 | 1932 | D | 11,748 | 3,954 | 3,444 | 67% | 0.29 | 58.9 | 0.019 | 0.638 | 0.269 | 0.375 | 0.387 | 0.387 | 61.1% | 10,870 | 3,690 | 3,115 | 0.68 | 0.36 | 65.5 | 0.297 | 0.745 | 0.480 | 0.574 | 0.700 | 30.0% | 20,294 | 8,050 | 6,640 | 59% | 0.50 | 69.5 | 0.465 | 1.000 | 0.608 | 0.804 | 0.895 | 10.5% | 31.8% | | |
| 21 | 1933 | C | 11,902 | 3,291 | 3,501 | 66% | 0.29 | 60.1 | 0.069 | 0.631 | 0.307 | 0.400 | 0.442 | 0.442 | 55.8% | 7,719 | 2,680 | 1,937 | 0.75 | 0.39 | 63.7 | 0.291 | 0.669 | 0.422 | 0.519 | 0.625 | 37.5% | 11,792 | 2,893 | 3,460 | 67% | 0.56 | 69.8 | 0.478 | 0.788 | 0.617 | 0.714 | 0.860 | 15.0% | 36.6% | | |
| 22 | 1934 | C | 12,536 | 3,266 | 3,738 | 66% | 0.28 | 63.6 | 0.217 | 0.693 | 0.419 | 0.497 | 0.606 | 0.606 | 39.4% | 8,592 | 2,263 | 2,263 | 0.73 | 0.38 | 68.3 | 0.414 | 0.754 | 0.569 | 0.639 | 0.769 | 21.1% | 14,573 | 5,405 | 4,500 | 63% | 0.54 | 70.7 | 0.515 | 0.913 | 0.646 | 0.769 | 0.988 | 10.2% | 22.3% | | |
| 23 | 1935 | B | 24,335 | 6,336 | 8,263 | 57% | 0.25 | 58.9 | 0.019 | 0.768 | 0.269 | 0.394 | 0.405 | 0.405 | 59.5% | 28,854 | 6,683 | 9,841 | 0.25 | 0.25 | 64.4 | 0.234 | 0.805 | 0.432 | 0.524 | 0.635 | 36.5% | 17,845 | 7,819 | 5,724 | 60% | 0.51 | 71.7 | 0.528 | 1.000 | 0.656 | 0.832 | 0.921 | 7.9% | 35.3% | | |
| 24 | 1936 | B | 21,031 | 6,622 | 6,916 | 58% | 0.26 | 59.7 | 0.053 | 0.768 | 0.294 | 0.416 | 0.447 | 0.447 | 55.3% | 18,332 | 5,831 | 5,906 | 0.60 | 0.32 | 64.9 | 0.271 | 0.828 | 0.461 | 0.577 | 0.692 | 30.8% | 17,321 | 7,801 | 5,528 | 61% | 0.52 | 69.2 | 0.452 | 0.990 | 0.598 | 0.800 | 0.921 | 10.9% | 31.4% | | |
| 25 | 1937 | A | 23,007 | 7,354 | 7,655 | 58% | 0.25 | 58.8 | 0.015 | 0.784 | 0.266 | 0.397 | 0.406 | 0.406 | 59.4% | 16,055 | 6,617 | 5,055 | 0.62 | 0.33 | 64.5 | 0.255 | 0.855 | 0.448 | 0.580 | 0.687 | 31.3% | 18,150 | 7,655 | 5,838 | 60% | 0.51 | 69.7 | 0.473 | 0.993 | 0.614 | 0.807 | 0.899 | 10.1% | 32.3% | | |
| 26 | 1938 | W | 47,172 | 7,179 | 16,692 | 23% | 0.23 | 56.3 | 0.000 | 0.755 | 0.186 | 0.318 | 0.318 | 0.318 | 68.2% | 57,429 | 9,426 | 20,528 | 0.23 | 0.23 | 62.5 | 0.170 | 0.940 | 0.384 | 0.512 | 0.595 | 40.5% | 35,517 | 11,272 | 12,333 | 24% | 0.24 | 67.7 | 0.389 | 1.000 | 0.550 | 0.658 | 0.791 | 20.9% | 41.7% | | |
| 27 | 1939 | D | 11,371 | 3,256 | 3,299 | 70% | 0.29 | 60.4 | 0.204 | 0.697 | 0.420 | 0.504 | 0.604 | 0.604 | 42.0% | 7,414 | 2,786 | 2,010 | 0.75 | 0.39 | 68.4 | 0.422 | 0.751 | 0.560 | 0.634 | 0.781 | 21.9% | 19,390 | 7,677 | 6,302 | 59% | 0.50 | 71.1 | 0.528 | 1.000 | 0.556 | 0.629 | 0.819 | 11.4% | 32.6% | | |
| 28 | 1940 | W | 47,172 | 7,179 | 16,692 | 23% | 0.23 | 56.3 | 0.000 | 0.755 | 0.186 | 0.318 | 0.318 | 0.318 | 68.2% | 17,747 | 5,802 | 5,807 | 0.60 | 0.32 | 65.6 | 0.301 | 0.839 | 0.483 | 0.596 | 0.718 | 28.2% | 15,341 | 7,177 | 4,788 | 62% | 0.53 | 71.5 | 0.549 | 1.000 | 0.672 | 0.845 | 0.930 | 7.0% | 30.8% | | |
| 29 | 1941 | W | 42,372 | 7,926 | 14,897 | 24% | 0.24 | 56.9 | 0.000 | 0.775 | 0.205 | 0.339 | 0.339 | 0.339 | 65.8% | 39,485 | 4,142 | 13,817 | 0.24 | 0.24 | 61.6 | 0.133 | 0.869 | 0.355 | 0.477 | 0.546 | 45.4% | 20,808 | 10,897 | 6,832 | 59% | 0.50 | 69.9 | 0.444 | 1.000 | 0.592 | 0.759 | 0.886 | 11.4% | 42.8% | | |
| 30 | 1942 | W | 43,308 | 7,748 | 15,247 | 23% | 0.23 | 56.5 | 0.000 | 0.731 | 0.192 | 0.319 | 0.319 | 0.319 | 69.1% | 36,037 | 6,270 | 12,528 | 0.24 | 0.24 | 60.1 | 0.069 | 0.803 | 0.307 | 0.426 | 0.466 | 53.4% | 27,117 | 11,272 | 9,192 | 25% | 0.25 | 67.8 | 0.393 | 1.000 | 0.553 | 0.664 | 0.796 | 20.4% | 50.0% | | |
| 31 | 1943 | W | 29,406 | 7,048 | 10,048 | 24% | 0.24 | 58.8 | 0.015 | 0.784 | 0.266 | 0.393 | 0.401 | 0.401 | 58.9% | 20,129 | 6,674 | 6,578 | 0.59 | 0.31 | 65.4 | 0.292 | 0.873 | 0.477 | 0.600 | 0.717 | 28.3% | 16,866 | 7,747 | 5,358 | 61% | 0.52 | 66.6 | 0.343 | 0.941 | 0.515 | 0.736 | 0.826 | 17.4% | 31.7% | | |
| 32 | 1944 | D | 11,371 | 3,256 | 3,299 | 70% | 0.29 | 60.4 | 0.204 | 0.697 | 0.420 | 0.504 | 0.604 | 0.604 | 42.0% | 7,414 | 2,786 | 2,010 | 0.75 | 0.39 | 68.4 | 0.422 | 0.751 | 0.560 | 0.634 | 0.781 | 21.9% | 19,390 | 7,677 | 6,302 | 59% | 0.50 | 71.1 | 0.528 | 1.000 | 0.556 | 0.629 | 0.819 | 11.4% | 32.6% | | |
| 33 | 1945 | D | 11,753 | 3,478 | 3,446 | 67% | 0.29 | 60.6 | 0.090 | 0.702 | 0.323 | 0.432 | 0.484 | 0.484 | 51.6% | 11,958 | 4,660 | 3,522 | 0.66 | 0.35 | 63.1 | 0.196 | 0.743 | 0.403 | 0.521 | 0.615 | 38.5% | 16,628 | 7,153 | 5,269 | 61% | 0.52 | 70.6 | 0.511 | 0.988 | 0.643 | 0.822 | 0.913 | 8.7% | 35.4% | | |
| 34 | 1946 | B | 12,226 | 4,536 | 3,623 | 66% | 0.29 | 60.7 | 0.095 | 0.696 | 0.326 | 0.432 | 0.486 | 0.486 | 51.4% | 12,557 | 4,310 | 3,746 | 0.65 | 0.34 | 63.9 | 0.229 | 0.736 | 0.429 | 0.534 | 0.641 | 35.9% | 16,628 | 7,441 | 5,645 | 61% | 0.51 | 68.1 | 0.406 | 0.955 | 0.563 | 0.764 | 0.860 | 14.0% | 34.6% | | |
| 35 | 1947 | D | 13,800 | 3,932 | 4,211 | 64% | 0.28 | 62.5 | 0.170 | 0.702 | 0.384 | 0.472 | 0.523 | 0.523 | 43.8% | 8,840 | 2,898 | 2,356 | 0.72 | 0.38 | 68.7 | 0.431 | 0.769 | 0.582 | 0.682 | 0.802 | 19.8% | 19,317 | 7,436 | 6,275 | 59% | 0.50 | 70.4 | 0.486 | 0.989 | 0.624 | 0.808 | 0.901 | 9.9% | 32.1% | | |
| 36 | 1948 | B | 22,793 | 5,718 | 7,575 | 58% | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|----------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 524 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Steamboat | | | | | | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | | | | | | |
| 7 | S | | | | | | | | | | | | | | | | | | | | S | | | | | | | | | | | | | | | | | | | | |
| 8 | Year | | | | | | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | | | | | | |
| 9 | Flow | | | | | | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | | | | | | |
| 10 | CVP + SWP | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | | | | | | |
| 11 | Exports | | | | | | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | | | | | | |
| 12 | Slough | | | | | | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | | | | | | |
| 13 | Percent | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | | | | | | |
| 14 | X-Channel | | | | | | | | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | | | | | | |
| 15 | observed | | | | | | | | | | | | | | | | | | | | observed | | | | | | | | | | | | | | | | | | | | |
| 16 | temp f | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | | | | | | |
| 17 | m1 | | | | | | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | | | | | | |
| 18 | m2 | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | | | | | | |
| 19 | m3 | | | | | | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | | | | | | |
| 20 | m23 | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 22 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 23 | Weighted | | | | | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | | | | | | |
| 24 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 25 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 26 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 27 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 28 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 29 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 30 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 31 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 32 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 33 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 34 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 35 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 36 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 37 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 38 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 39 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 40 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 41 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 42 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 43 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 44 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 45 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 46 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 47 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 48 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 49 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 50 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 51 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 52 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 53 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 54 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 55 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 56 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 57 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 58 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 59 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 60 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 61 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 62 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 63 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 64 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 65 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 66 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 67 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 68 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 69 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 70 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 71 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 72 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 73 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 74 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 75 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 76 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 77 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 78 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 79 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 80 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 81 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 82 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 83 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 84 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 85 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 86 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 87 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 88 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 89 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 90 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 91 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 92 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |
| 93 | Total Survival | | | | | | | | | | | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | |
| 94 | s123 | | | | | | | | | | | | | | | | | | | | s123 | | | | | | | | | | | | | | | | | | | | |

Average: 33.04%

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|--------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 525 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | |
| 6 | Water | | | | | | | | | | | | | | | | | | | | Steamboat | | | | | | | | | | | | | | | | | | | | |
| 7 | Year | | | | | | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | | | | | | |
| 8 | Flow | | | | | | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | | | | | | |
| 9 | CVP + SWP | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | | | | | | |
| 10 | Exports | | | | | | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | | | | | | |
| 11 | SloUGH | | | | | | | | | | | | | | | | | | | | SloUGH | | | | | | | | | | | | | | | | | | | | |
| 12 | Percent | | | | | | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | | | | | | |
| 13 | X-Channel observed | | | | | | | | | | | | | | | | | | | | X-Channel observed | | | | | | | | | | | | | | | | | | | | |
| 14 | temp f | | | | | | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | | | | | | |
| 15 | m1 | | | | | | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | | | | | | |
| 16 | m2 | | | | | | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | | | | | | |
| 17 | m3 | | | | | | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | | | | | | |
| 18 | m23 | | | | | | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | | | | | | |
| 19 | m123 | | | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 22 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 23 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 24 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 25 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 26 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 27 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 28 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 31 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 33 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 35 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 37 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 39 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 43 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 47 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 49 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 51 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 53 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 55 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 57 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 59 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 63 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 65 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 67 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 69 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 71 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 73 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 75 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 79 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 80 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 81 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 82 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 83 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 84 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 85 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 86 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 87 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 88 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 89 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 90 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 91 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 92 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 93 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |
| 94 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | |

Average: 33.90%

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 80 | Formulas Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | CS =Study 467 Flow Data\I*G7 | | | | | | | | | | | | | | | | | | | | R8 =Study 467 Flow Data\I*H7 | | | | | | | | | | | | | | | | | | | | AG8 =Study 467 Flow Data\I*J7 (HIDDEN) | | | | | | | | | | | | | | | | | | | |
| 82 | DE =Study 467 Flow Data\I*O7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | SR =Study 467 Flow Data\I*R7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | AH8 =Study 467 Flow Data\I*S7 (HIDDEN) | | | | | | | | | | | | | | | | | | | |
| 83 | EB =Study 467 Flow Data\I*A77 (HIDDEN) | | | | | | | | | | | | | | | | | | | | T8 =Study 467 Flow Data\I*AB7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | AIB =Study 513 Flow Revised Data\I*AC7 | | | | | | | | | | | | | | | | | | | |
| 84 | FB =(D8+E8) | | | | | | | | | | | | | | | | | | | | U8 =(S8+T8) | | | | | | | | | | | | | | | | | | | | AJ8 =(AH8+AI8) | | | | | | | | | | | | | | | | | | | |
| 85 | G8 =0.374*C8-950 | | | | | | | | | | | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | | | | | | | | | | | AK8 =0.374*AG8-950 | | | | | | | | | | | | | | | | | | | |
| 86 | H8 =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | | | | | | | | | | | AL8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | | | | | | | | | | |
| 87 | I8 =(0.133*C8+829)/(C8-G8) | | | | | | | | | | | | | | | | | | | | X8 =(0.84*(0.133*R8+829)/(R8-V8))+0.16*V8 | | | | | | | | | | | | | | | | | | | | AM8 =(0.277*(0.133*AG8+829)/(AG8-AK8))+0.73*AL8 | | | | | | | | | | | | | | | | | | | |
| 88 | KB =IF((-2.45925+(0.0420748*J8))<0,(-2.45925+(0.0420748*J8))) | | | | | | | | | | | | | | | | | | | | Z8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | | | | | | AO8 =(-2.45925+(0.0420748*AJ8)) | | | | | | | | | | | | | | | | | | | |
| 89 | LB =((-0.5916024)+(0.017968*AN8))+0.0000434*F8 | | | | | | | | | | | | | | | | | | | | AB8 =((-0.5916024)+(0.017968*AY8))+0.0000434*U8 | | | | | | | | | | | | | | | | | | | | AP8 =IF((-0.5916024)+(0.017968*AM8))+0.0000434*AJ8)) | | | | | | | | | | | | | | | | | | | |
| 90 | MB =1.613493*(0.0319584*J8) | | | | | | | | | | | | | | | | | | | | AB9 =1.613493*(0.0319584*Y8) | | | | | | | | | | | | | | | | | | | | AO9 =1.613493*(0.0319584*AJ8) | | | | | | | | | | | | | | | | | | | |
| 91 | NB =(L8*H8)/(M8*(1-I8)) | | | | | | | | | | | | | | | | | | | | AC8 =(AB8*X8)/(AB8*(1-X8)) | | | | | | | | | | | | | | | | | | | | AR8 =(AP8*AM8)/(AO8*(1-AM8)) | | | | | | | | | | | | | | | | | | | |
| 92 | OB =K8*N8/(K8*N8) | | | | | | | | | | | | | | | | | | | | AD8 =Z8*(C8-(Z8*C8)) | | | | | | | | | | | | | | | | | | | | AS8 =AO8*(AR8-(AO8*AR8)) | | | | | | | | | | | | | | | | | | | |
| 93 | PB =-O8 | | | | | | | | | | | | | | | | | | | | AE8 =1-A8 | | | | | | | | | | | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|--------------------|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 526 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | JUNE | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | Streamflow | | | | | | | | | | | | | | | Streamflow | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | |
| 7 | Smoother | | | | | | | | | | | | | | | Smoother | | | | | | | | | | | | | | | Smoother | | | | | | | | | | |
| 8 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 9 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 10 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 11 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 12 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 13 | X-Channel observed | | | | | | | | | | | | | | | X-Channel observed | | | | | | | | | | | | | | | X-Channel observed | | | | | | | | | | |
| 14 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 15 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 16 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 17 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 18 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 19 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 20 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 21 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 22 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 23 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 24 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 25 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 26 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 27 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 28 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 29 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 31 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 32 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 33 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 34 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 35 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 36 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 37 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 38 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 39 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 40 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 41 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 43 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 44 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 45 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 46 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 47 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 48 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 49 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 50 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 51 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 52 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 53 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 55 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 56 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 57 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 58 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 59 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 60 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 61 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 62 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 63 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 64 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 65 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 67 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 68 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 69 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 70 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 71 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 72 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 73 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 74 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 75 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 76 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 77 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 79 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 80 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 81 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 82 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 83 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 84 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 85 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 86 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 87 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 88 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 89 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 90 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 91 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 92 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 93 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 94 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 95 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 96 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 97 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 98 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 99 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 100 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 101 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 102 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 103 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 104 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 105 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 106 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 107 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 108 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 109 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 110 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 111 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 112 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 113 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 114 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 115 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 116 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 117 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 118 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 119 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 120 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 121 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 122 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 123 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 124 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 125 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 126 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 127 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 128 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 129 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 130 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 131 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 132 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 133 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 134 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 135 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 136 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 137 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 138 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 139 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 140 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 141 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 142 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 143 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 144 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 145 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 146 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 147 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 148 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 149 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 150 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 151 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 152 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 153 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 154 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 155 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 156 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 157 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 158 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 159 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 160 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 161 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 162 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 163 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 164 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 165 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 166 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 167 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 168 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 169 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 170 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 171 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 172 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 173 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 174 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 175 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 176 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 177 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 178 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 179 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 180 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 181 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 182 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 183 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 184 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 185 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 186 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 187 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 188 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 189 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 190 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 191 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 192 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 193 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 194 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 195 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 196 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 197 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 198 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 199 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 200 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 201 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 202 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 203 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 204 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 205 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 206 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 207 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 208 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 209 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 210 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 211 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 212 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 213 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 214 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 215 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 216 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 217 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 218 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 219 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 220 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 221 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 222 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 223 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 224 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 225 | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | |
| 226 | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | Exports | | | | | | | | | | |
| 227 | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | | | | | | Slough | | | | | | | | | | |
| 228 | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | Percent | | | | | | | | | | |
| 229 | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | |
| 230 | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | | | | | | temp f | | | | | | | | | | |
| 231 | m1 | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | |
| 232 | m2 | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | m23 | | | | | | | | | | |
| 233 | m23 | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | m123 | | | | | | | | | | |
| 234 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | |
| 235 | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | | | | | | Year | | | | | | | | | | |
| 236 | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | Flow | | | | | | | | | | |
| 237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV | AW |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|----|----|----|--------------------|----|----|----|----|----------|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 526A Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | JUNE | | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | | | | | | | | | | | Sewer | | | | | Sewer | | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | | | | | Calculated | | | | | Calculated | | | | | | | | | | | | | | | | |
| 7 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 8 | Year | | | | | | | | | | | | | | | | | | | | Year | | | | | Year | | | | | | | | | | | | | | | | |
| 9 | Flow | | | | | | | | | | | | | | | | | | | | Flow | | | | | Flow | | | | | | | | | | | | | | | | |
| 10 | CVP + SWP | | | | | | | | | | | | | | | | | | | | CVP + SWP | | | | | CVP + SWP | | | | | | | | | | | | | | | | |
| 11 | Exports | | | | | | | | | | | | | | | | | | | | Exports | | | | | Exports | | | | | | | | | | | | | | | | |
| 12 | Slough Q | | | | | | | | | | | | | | | | | | | | Slough Q | | | | | Slough Q | | | | | | | | | | | | | | | | |
| 13 | Percent | | | | | | | | | | | | | | | | | | | | Percent | | | | | Percent | | | | | | | | | | | | | | | | |
| 14 | X-Channel observed | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | X-channel observed | | | | | | | | | | | | | | | | |
| 15 | temp f | | | | | | | | | | | | | | | | | | | | temp f | | | | | temp f | | | | | | | | | | | | | | | | |
| 16 | m1 | | | | | | | | | | | | | | | | | | | | m1 | | | | | m1 | | | | | | | | | | | | | | | | |
| 17 | m2 | | | | | | | | | | | | | | | | | | | | m2 | | | | | m2 | | | | | | | | | | | | | | | | |
| 18 | m3 | | | | | | | | | | | | | | | | | | | | m3 | | | | | m3 | | | | | | | | | | | | | | | | |
| 19 | m23 | | | | | | | | | | | | | | | | | | | | m23 | | | | | m23 | | | | | | | | | | | | | | | | |
| 20 | m123 | | | | | | | | | | | | | | | | | | | | m123 | | | | | m123 | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 22 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 23 | Weighted | | | | | | | | | | | | | | | | | | | | Weighted | | | | | Weighted | | | | | | | | | | | | | | | | |
| 24 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 25 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 26 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 27 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 28 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 31 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 33 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 35 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 37 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 39 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 43 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 47 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 49 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 51 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 53 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 55 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 57 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 59 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 63 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 65 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 67 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 69 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 71 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 73 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 75 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 79 | Survival | | | | | | | | | | | | | | | | | | | | Survival | | | | | Survival | | | | | | | | | | | | | | | | |
| 80 | Formulas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | CS =Study 467 Flow Data\I7 | | | | | | | | | | R8 =Study 467 Flow Data\I7 | | | | | | | | | | AG8 =Study 467 Flow Data\I7 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 83 | DB =Study 467 Flow Data\I7 | | | | | | | | | | SR =Study 467 Flow Data\I7 | | | | | | | | | | AH8 =Study 467 Flow Data\I7 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 84 | EB =Study 467 Flow Data\A07 | | | | | | | | | | TB =Study 467 Flow Data\A07 | | | | | | | | | | AI8 =Study 513 Flow Revised Data\IAC7 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 85 | FB =(D8+E8) | | | | | | | | | | UB =(S8+T8) | | | | | | | | | | AJ8 =(AH8+AI8) | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 86 | G8 =0.374*C8-950 | | | | | | | | | | V8 =0.374*R8-950 | | | | | | | | | | AK8 =0.374*AG8-950 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 87 | H8 =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | W8 =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | AL8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 88 | I8 =IF(C8>25000,(0.133*C8+829)/(C8-G8)) | | | | | | | | | | X8 =(0.84*(0.133*R8+829)/(R8-V8))+0.16*W8 | | | | | | | | | | AM8 =(0.27*(0.133*AG8+829)/(AG8-AK8))+0.73*AL8 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 89 | KB =IF((-2.45925+(0.0420748*J8))+0.0,(-2.45925+(0.0420748*J8))) | | | | | | | | | | Z8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | AO8 =(-2.45925+(0.0420748*AV8)) | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 90 | LB =((-0.5916024)+(0.017968*H8))+0.0000434*F8 | | | | | | | | | | AA8 =((-0.5916024)+(0.017968*Y8))+0.0000434*U8 | | | | | | | | | | AP8 =IF((-0.5916024)+(0.017968*AN8))+0.0000434*AV8 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 91 | MB =1.613493*(0.0319584*J8) | | | | | | | | | | AB8 =1.613493*(0.0319584*Y8) | | | | | | | | | | AQ8 =1.613493*(0.0319584*AV8) | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 92 | NB =(L8*H8)/(M8*(1-H8)) | | | | | | | | | | AC8 =(AS*X8)/(AB8*(1-X8)) | | | | | | | | | | AR8 =(AP*AM8)/(AO8*(1-AM8)) | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 93 | OB =K8*N8/(K8*N8) | | | | | | | | | | AD8 =Z8*AC8/(Z8*AC8) | | | | | | | | | | AS8 =AO8*AR8/(AO8*AR8) | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 94 | PB =1-O8 | | | | | | | | | | AE8 =1-AD8 | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | |
| 79 | Average: 32.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AV | | | | | | | | | | | | | | | | | | | |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----------------|----|----|----|----|----|----|----|----|----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1 | Study 634 Sacramento River Fall Run Smolt Survival Model | | | | | | | | | | | | | | | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | JUNE | | | | | | | | | | | | | | | | | | | |
| 5 | Water | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Smoother | | | | | | | | | | Smoother | | | | | | | | | | Smoother | | | | | | | | | | Smoother | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Year | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Flow | | | | | | | | | | Flow | | | | | | | | | | Flow | | | | | | | | | | Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | CVP + SWP | | | | | | | | | | CVP + SWP | | | | | | | | | | CVP + SWP | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Exports | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Slough | | | | | | | | | | Slough | | | | | | | | | | Slough | | | | | | | | | | Slough | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Percent | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | observed | | | | | | | | | | observed | | | | | | | | | | observed | | | | | | | | | | observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | temp f | | | | | | | | | | temp f | | | | | | | | | | temp f | | | | | | | | | | temp f | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | m1 | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | m2 | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | m3 | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | m23 | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Weighted | | | | | | | | | | Weighted | | | | | | | | | | Weighted | | | | | | | | | | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | Formulas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | Sacramento River Fall Run Smolt Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | CS =Study 467 Flow Data'I*G7 | | | | | | | | | | R8 =Study 467 Flow Data'I*H7 | | | | | | | | | | AG8 =Study 467 Flow Data'I*J7 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | DB =Study 467 Flow Data'I*G7 | | | | | | | | | | RS =Study 467 Flow Data'I*H7 | | | | | | | | | | AH8 =Study 467 Flow Data'I*J7 | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | EB =Study 467 Flow Data'IA07 | | | | | | | | | | TB =Study 467 Flow Data'IA87 | | | | | | | | | | AI8 =Study 513 Flow Revised Data'IACT | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | FB =(D8+E8) | | | | | | | | | | UB =(S8+T8) | | | | | | | | | | AJ8 =(AH8+AI8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | GB =0.374*C8-950 | | | | | | | | | | VB =0.374*R8-950 | | | | | | | | | | AK8 =0.374*AG8-950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | HB =IF(C8>25000,(0.133*C8+829)/(C8-G8),(0.293*C8+2090)/(C8-G8)) | | | | | | | | | | WB =IF(R8>25000,(0.133*R8+829)/(R8-V8),(0.293*R8+2090)/(R8-V8)) | | | | | | | | | | AL8 =IF(AG8>25000,(0.133*AG8+829)/(AG8-AK8),(0.293*AG8+2090)/(AG8-AK8)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | IB =(0.133*C8+829)/(C8-G8) | | | | | | | | | | XB =(0.133*R8+829)/(R8-V8)+(0.16*VB) | | | | | | | | | | AM8 =(0.277*(0.133*AG8+829)/(AG8-AK8)+(0.73*AL8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | KB =IF((-2.45925+(0.0420748*J8)<0,(-2.45925+(0.0420748*J8))) | | | | | | | | | | ZB =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | AO8 =(-2.45925+(0.0420748*Y8)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | LB =((-0.5916024)+(-0.017968*H8)<0,(0.0000434*F8)) | | | | | | | | | | AB8 =((-0.5916024)+(-0.017968*H8)) | | | | | | | | | | AP8 =IF((-0.5916024)+(-0.017968*H8)<0,(0.0000434*J8)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | MB =1.613493*(0.0319584*J8) | | | | | | | | | | AB8 =1.613493*(0.0319584*Y8) | | | | | | | | | | AQ8 =1.613493*(0.0319584*Y8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | NB =(L8*H8)/(M8*(1-H8)) | | | | | | | | | | AC8 =(AB8*X8)/(AB8*(1-X8)) | | | | | | | | | | AR8 =(AP8*AM8)/(AO8*(1-AM8)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | OB =K8*N8/(K8*N8) | | | | | | | | | | AD8 =ZB*AC8/(ZB*AC8) | | | | | | | | | | AS8 =AO8*AR8/(AO8*AR8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | PB =1-O8 | | | | | | | | | | AE8 =1-A8 | | | | | | | | | | AT8 =1-AS8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | Average: | | | | | | | | | | 33.54% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | | | | | | |
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| 1 | Study 501 Sacramento River Late Fall Run Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days; Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | NOVEMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Formulas: Sacramento River Late Fall Run Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\B7 | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data\I7 | | | | | | | | | | AE10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\L7 | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\I7 | | | | | | | | | | AF10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\I7 | | | | | | | | | | AG10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 88 | F10 =(D10+E10) | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =(R10+S10) | | | | | | | | | | AH10 =(AF10+AG10) | | | | | | | | | |
| 89 | G10 =0.374*Q10-950 | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =0.374*Q10-950 | | | | | | | | | | AI10 =0.374*AE10-950 | | | | | | | | | |
| 90 | H10 =IF(C10>SK\$4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10>SK\$4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10>SK\$4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =(0.45*(0.133*Q10+829)/(Q10-U10)+(0.55*V10)) | | | | | | | | | | AK10 =(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | K10 =(0.5916024)+(0.017968*ST\$1)+(0.000054*F10) | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(0.5916024)+(0.017968*ST\$2)+(0.000054*T10) | | | | | | | | | | AM10 =(0.5916024)+(0.017968*ST\$3)+(0.000054*AH10) | | | | | | | | | |
| 93 | L10 =(1.613493+(0.0319584*ST\$1)) | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =(Y10*W10)*(Z10*(1-W10)) | | | | | | | | | | AO10 =(AM10*AK10)*(AN10*(1-AK10)) | | | | | | | | | |
| 94 | M10 =(K10+H10)+(O10*(1-H10)) | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+AA10*(X10-AA10) | | | | | | | | | | AP10 =AL10+AO10*(AL10-AO10) | | | | | | | | | |
| 95 | N10 =J10+M10-(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |
| 96 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AS10 =(Q10*0.25)+(AC10*0.5)+(AQ10*0.25) | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Average: 66.65% | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|---|---|---|---|---|---|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 467 Winter Run Smolt Survival Model | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | April Water Temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | APRIL | | | | | | | | | | | | | | | |
| 7 | Water Sacer | | | | | | | | | | | | | Water Sacer | | | | | | | | | | Water Sacer | | | | | | | | | | | | | | | |
| 8 | Flow CVP + SWP Slough Q | | | | | | | | | | | | | Flow CVP + SWP Slough Q | | | | | | | | | | Flow CVP + SWP Slough Q | | | | | | | | | | | | | | | |
| 9 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 10 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 11 | Closed m1 m2 m3 m23 | | | | | | | | | | | | | Closed m1 m2 m3 m23 | | | | | | | | | | Closed m1 m2 m3 m23 | | | | | | | | | | | | | | | |
| 12 | Calculated Mortality | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | | |
| 13 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 14 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 15 | Year Type | | | | | | | | | | | | | Year Type | | | | | | | | | | Year Type | | | | | | | | | | | | | | | |
| 16 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 17 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 18 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 19 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 20 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 21 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 22 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 23 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 24 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 25 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 26 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 27 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 28 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 30 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 31 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 32 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 33 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 34 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 35 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 36 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 37 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 38 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 39 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 40 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 41 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 42 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 43 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 44 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 46 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 47 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 48 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 49 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 50 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 51 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 52 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 53 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 54 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 55 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 56 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 57 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 58 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 59 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 60 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 62 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 63 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 64 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 65 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 66 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 67 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 68 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 69 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 70 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 71 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 72 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 73 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 74 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 75 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 76 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 78 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 79 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 80 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 81 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 82 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 83 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 84 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 85 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 86 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 87 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 88 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 89 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 90 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 91 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 92 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 93 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 94 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 95 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 96 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 97 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 98 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 99 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 100 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 101 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 102 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 103 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 104 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 105 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 106 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 107 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 108 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 109 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 110 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 111 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 112 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 113 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 114 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 115 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 116 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 117 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 118 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 119 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 120 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 121 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 122 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 123 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 124 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 125 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 126 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 127 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 128 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 129 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 130 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 131 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 132 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 133 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 134 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 135 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 136 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 137 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 138 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 139 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 140 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 141 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 142 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 143 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 144 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 145 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 146 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 147 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 148 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 149 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 150 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 151 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 152 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 153 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 154 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 155 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 156 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 157 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 158 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 159 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 160 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 161 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 162 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 163 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 164 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 165 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 166 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 167 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 168 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 169 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 170 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 171 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 172 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 173 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 174 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 175 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 176 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 177 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 178 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 179 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 180 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 181 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 182 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 183 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 184 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 185 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 186 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 187 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 188 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 189 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 190 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 191 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 192 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 193 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 194 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 195 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 196 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 197 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 198 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 199 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 200 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 201 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 202 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 203 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 204 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 205 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 206 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 207 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 208 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 209 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 210 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 211 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 212 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 213 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 214 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 215 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 216 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 217 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 218 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 219 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 220 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 221 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 222 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 223 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 224 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 225 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 226 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 227 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 228 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 229 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 230 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 231 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 232 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 233 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 234 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 235 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 236 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 237 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 238 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 239 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 240 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 241 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 242 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 243 | Percent | | | | | | | | | | | | | Percent | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 244 | X-Channel | | | | | | | | | | | | | X-Channel | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 245 | Closed | | | | | | | | | | | | | Closed | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 246 | m1 | | | | | | | | | | | | | m1 | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 247 | m2 | | | | | | | | | | | | | m2 | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 248 | m3 | | | | | | | | | | | | | m3 | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 249 | m23 | | | | | | | | | | | | | m23 | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 250 | m123 | | | | | | | | | | | | | m123 | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 251 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 252 | Survivability | | | | | | | | | | | | | Survivability | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 253 | Survival | | | | | | | | | | | | | Survival | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 254 | Year | | | | | | | | | | | | | Year | | | | | | | | | | Year | | | | | | | | | | | | | | | |
| 255 | Type | | | | | | | | | | | | | Type | | | | | | | | | | Type | | | | | | | | | | | | | | | |
| 256 | River | | | | | | | | | | | | | River | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 257 | Exports | | | | | | | | | | | | | Exports | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 258 | Slough Q | | | | | | | | | | | | | Slough Q | | | | | | | | | | Slough Q | | | | | | | | | | | | | | | |
| 259 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | PA | | | | | | |
|----|--|---|------|---|--------|---|-----------|---|---------|---|-----------|---|---------|---------------------|-----------|---|----------------------|---|--------------------------|---|-----------------------------|---|-----------|----|-----------------------------|----|---------|----|-------------------------------|----|-----------------|----|----------------------|----|--------------------------|----|----------|----|-------|----|-------|--|---------------|--|-------|--|
| 1 | Study 501A Winter Run Smolt Survival Model | | | | | | | | | | | | | February Water Temp | | | | | 50 F | April Water Temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | March Water Temp | | | | | 55 F | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOi greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | FEBRUARY | | Calculated Sutter & Stutter | | MARCH | | Calculated Sutter & Stutter | | APRIL | | Calculated Steamboat & Sutter | | X-Channel Water | | Calculated Mortality | | Calculated Survivability | | Weighted | | | | | | | | | |
| 5 | Year | | Type | | Flow | | CVP + SWP | | Exports | | Steamboat | | Percent | | X-Channel | | Calculated Mortality | | Calculated Survivability | | River | | CVP + SWP | | Flows | | Percent | | Closed | | temp f | | m1 | | m2 | | m3 | | m123 | | m123 | | Survivability | | Total | |
| 6 | 1922 | | A | | 34,253 | | 10,623 | | 11,861 | | 24% | | 0.24 | | 0.380 | | 0.212 | | 0.12 | | 78.8% | | 31,554 | | 6,968 | | 10,851 | | 0.24 | | 0.24 | | 0.773 | | 0.144 | | 0.297 | | 0.297 | | 72.3% | | 70.3% | | | |
| 7 | 1923 | | A | | 22,238 | | 4,447 | | 7,367 | | 58% | | 0.25 | | 0.553 | | 0.141 | | 0.411 | | 78.8% | | 23,682 | | 6,939 | | 4,842 | | 0.62 | | 0.27 | | 0.775 | | 0.144 | | 0.315 | | 0.315 | | 68.2% | | 68.2% | | | |
| 8 | 1924 | | C | | 17,251 | | 8,889 | | 5,502 | | 61% | | 0.27 | | 0.783 | | 0.209 | | 0.209 | | 79.1% | | 12,013 | | 3,668 | | 3,543 | | 0.66 | | 0.29 | | 0.562 | | 0.144 | | 0.264 | | 0.264 | | 73.6% | | 73.6% | | | |
| 9 | 1925 | | D | | 44,691 | | 10,771 | | 15,764 | | 23% | | 0.23 | | 0.888 | | 0.208 | | 0.208 | | 79.2% | | 30,216 | | 6,416 | | 10,351 | | 0.24 | | 0.24 | | 0.743 | | 0.144 | | 0.290 | | 0.290 | | 71.0% | | 71.0% | | | |
| 10 | 1926 | | D | | 34,967 | | 11,735 | | 12,128 | | 24% | | 0.24 | | 0.940 | | 0.226 | | 0.226 | | 77.4% | | 15,519 | | 6,525 | | 4,854 | | 0.62 | | 0.27 | | 0.749 | | 0.144 | | 0.308 | | 0.308 | | 69.2% | | 69.2% | | | |
| 11 | 1927 | | W | | 86,738 | | 11,430 | | 31,490 | | 22% | | 0.22 | | 0.924 | | 0.207 | | 0.207 | | 79.3% | | 43,865 | | 7,523 | | 15,456 | | 0.23 | | 0.23 | | 0.803 | | 0.144 | | 0.299 | | 0.299 | | 70.1% | | 70.1% | | | |
| 12 | 1928 | | A | | 27,680 | | 6,514 | | 9,402 | | 25% | | 0.25 | | 0.659 | | 0.163 | | 0.163 | | 80.7% | | 86,223 | | 7,561 | | 31,297 | | 0.22 | | 0.22 | | 0.805 | | 0.144 | | 0.292 | | 0.292 | | 70.8% | | 70.8% | | | |
| 13 | 1929 | | C | | 17,787 | | 9,195 | | 5,702 | | 60% | | 0.26 | | 0.803 | | 0.212 | | 0.212 | | 78.8% | | 13,763 | | 4,776 | | 4,197 | | 0.64 | | 0.28 | | 0.655 | | 0.144 | | 0.286 | | 0.286 | | 71.4% | | 71.4% | | | |
| 14 | 1930 | | D | | 15,675 | | 6,786 | | 4,912 | | 62% | | 0.27 | | 0.673 | | 0.182 | | 0.182 | | 81.4% | | 30,090 | | 7,604 | | 10,394 | | 0.24 | | 0.24 | | 0.807 | | 0.144 | | 0.306 | | 0.306 | | 69.4% | | 69.4% | | | |
| 15 | 1931 | | C | | 11,083 | | 5,225 | | 3,195 | | 68% | | 0.29 | | 0.589 | | 0.172 | | 0.172 | | 82.8% | | 8,761 | | 3,335 | | 2,327 | | 0.72 | | 0.31 | | 0.577 | | 0.144 | | 0.278 | | 0.278 | | 72.2% | | 72.2% | | | |
| 16 | 1932 | | D | | 14,487 | | 10,126 | | 4,468 | | 63% | | 0.28 | | 0.854 | | 0.235 | | 0.235 | | 76.5% | | 10,540 | | 3,674 | | 2,992 | | 0.69 | | 0.30 | | 0.595 | | 0.144 | | 0.277 | | 0.277 | | 72.3% | | 72.3% | | | |
| 17 | 1933 | | C | | 11,975 | | 6,535 | | 3,529 | | 69% | | 0.29 | | 0.660 | | 0.189 | | 0.189 | | 81.1% | | 10,393 | | 4,629 | | 2,937 | | 0.69 | | 0.30 | | 0.647 | | 0.144 | | 0.293 | | 0.293 | | 70.7% | | 70.7% | | | |
| 18 | 1934 | | C | | 12,740 | | 5,785 | | 3,819 | | 65% | | 0.28 | | 0.619 | | 0.175 | | 0.175 | | 82.5% | | 14,236 | | 9,704 | | 4,374 | | 0.63 | | 0.28 | | 0.611 | | 0.144 | | 0.273 | | 0.273 | | 72.7% | | 72.7% | | | |
| 19 | 1935 | | B | | 11,977 | | 4,628 | | 3,529 | | 69% | | 0.29 | | 0.619 | | 0.175 | | 0.175 | | 82.5% | | 14,236 | | 9,704 | | 4,374 | | 0.63 | | 0.28 | | 0.611 | | 0.144 | | 0.273 | | 0.273 | | 72.7% | | 72.7% | | | |
| 20 | 1936 | | B | | 47,463 | | 12,749 | | 16,801 | | 23% | | 0.23 | | 0.995 | | 0.232 | | 0.232 | | 76.8% | | 33,198 | | 11,585 | | 11,466 | | 0.24 | | 0.24 | | 1.000 | | 0.144 | | 0.351 | | 0.351 | | 64.9% | | 64.9% | | | |
| 21 | 1937 | | B | | 32,025 | | 9,481 | | 11,027 | | 24% | | 0.24 | | 0.819 | | 0.198 | | 0.198 | | 80.2% | | 37,120 | | 6,608 | | 12,933 | | 0.24 | | 0.24 | | 0.753 | | 0.144 | | 0.289 | | 0.289 | | 71.1% | | 71.1% | | | |
| 22 | 1938 | | W | | 82,366 | | 5,166 | | 29,855 | | 22% | | 0.22 | | 0.586 | | 0.131 | | 0.131 | | 86.9% | | 78,637 | | 6,024 | | 28,480 | | 0.22 | | 0.22 | | 0.722 | | 0.144 | | 0.274 | | 0.274 | | 72.6% | | 72.6% | | | |
| 23 | 1939 | | D | | 19,024 | | 5,525 | | 6,165 | | 60% | | 0.26 | | 0.605 | | 0.158 | | 0.158 | | 84.2% | | 16,390 | | 5,716 | | 5,180 | | 0.61 | | 0.27 | | 0.759 | | 0.144 | | 0.309 | | 0.309 | | 69.1% | | 69.1% | | | |
| 24 | 1940 | | A | | 43,629 | | 12,740 | | 15,367 | | 23% | | 0.23 | | 0.995 | | 0.233 | | 0.233 | | 76.7% | | 59,413 | | 8,873 | | 21,270 | | 0.23 | | 0.23 | | 0.876 | | 0.144 | | 0.312 | | 0.312 | | 68.8% | | 68.8% | | | |
| 25 | 1941 | | W | | 75,037 | | 10,955 | | 27,114 | | 23% | | 0.23 | | 0.898 | | 0.203 | | 0.203 | | 79.7% | | 58,575 | | 7,290 | | 20,957 | | 0.23 | | 0.23 | | 0.790 | | 0.144 | | 0.292 | | 0.292 | | 70.8% | | 70.8% | | | |
| 26 | 1942 | | W | | 78,349 | | 5,632 | | 28,353 | | 23% | | 0.23 | | 0.611 | | 0.137 | | 0.137 | | 83.6% | | 27,099 | | 7,439 | | 9,185 | | 0.25 | | 0.25 | | 0.798 | | 0.144 | | 0.306 | | 0.306 | | 69.4% | | 69.4% | | | |
| 27 | 1943 | | W | | 52,259 | | 6,020 | | 18,595 | | 23% | | 0.23 | | 0.632 | | 0.146 | | 0.146 | | 85.4% | | 64,601 | | 5,885 | | 23,211 | | 0.23 | | 0.23 | | 0.714 | | 0.144 | | 0.274 | | 0.274 | | 72.6% | | 72.6% | | | |
| 28 | 1944 | | D | | 31,089 | | 5,424 | | 10,677 | | 24% | | 0.24 | | 0.600 | | 0.146 | | 0.146 | | 85.4% | | 25,100 | | 6,997 | | 8,437 | | 0.25 | | 0.25 | | 0.774 | | 0.144 | | 0.302 | | 0.302 | | 69.8% | | 69.8% | | | |
| 29 | 1945 | | B | | 38,099 | | 8,294 | | 13,299 | | 24% | | 0.24 | | 0.755 | | 0.179 | | 0.179 | | 82.1% | | 26,908 | | 7,345 | | 9,114 | | 0.25 | | 0.25 | | 0.793 | | 0.144 | | 0.305 | | 0.305 | | 69.5% | | 69.5% | | | |
| 30 | 1946 | | B | | 23,843 | | 5,783 | | 7,967 | | 57% | | 0.25 | | 0.619 | | 0.156 | | 0.156 | | 84.4% | | 23,778 | | 7,773 | | 7,943 | | 0.57 | | 0.25 | | 0.816 | | 0.144 | | 0.314 | | 0.314 | | 68.6% | | 68.6% | | | |
| 31 | 1947 | | D | | 21,068 | | 8,203 | | 6,930 | | 59% | | 0.26 | | 0.750 | | 0.193 | | 0.193 | | 80.7% | | 22,106 | | 6,568 | | 7,318 | | 0.58 | | 0.25 | | 0.751 | | 0.144 | | 0.299 | | 0.299 | | 70.1% | | 70.1% | | | |
| 32 | 1948 | | B | | 16,018 | | 5,855 | | 5,041 | | 62% | | 0.27 | | 0.628 | | 0.189 | | 0.189 | | 83.1% | | 18,112 | | 7,621 | | 6,198 | | 0.60 | | 0.26 | | 0.808 | | 0.144 | | 0.318 | | 0.318 | | 68.2% | | 68.2% | | | |
| 33 | 1949 | | D | | 16,274 | | 8,424 | | 5,136 | | 62% | | 0.27 | | 0.628 | | 0.205 | | 0.205 | | 79.5% | | 11,714 | | 9,799 | | 14,651 | | 0.24 | | 0.24 | | 0.926 | | 0.144 | | 0.328 | | 0.328 | | 67.2% | | 67.2% | | | |
| 34 | 1950 | | B | | 32,496 | | 11,777 | | 11,204 | | 24% | | 0.24 | | 0.943 | | 0.228 | | 0.228 | | 77.2% | | 22,154 | | 7,798 | | 7,336 | | 0.58 | | 0.25 | | 0.818 | | 0.144 | | 0.316 | | 0.316 | | 68.4% | | 68.4% | | | |
| 35 | 1951 | | A | | 60,566 | | 11,354 | | 21,702 | | 23% | | 0.23 | | 0.920 | | 0.210 | | 0.210 | | 79.0% | | 29,827 | | 8,013 | | 10,205 | | 0.24 | | 0.24 | | 0.829 | | 0.144 | | 0.312 | | 0.312 | | 68.8% | | 68.8% | | | |
| 36 | 1952 | | W | | 64,731 | | 8,202 | | 23,259 | | 23% | | 0.23 | | 0.750 | | 0.171 | | 0.171 | | 82.9% | | 57,518 | | 7,147 | | 20,562 | | 0.23 | | 0.23 | | 0.783 | | 0.144 | | 0.291 | | 0.291 | | 70.9% | | 70.9% | | | |
| 37 | 1953 | | W | | 28,344 | | 6,065 | | 9,651 | | 25% | | 0.25 | | 0.634 | | 0.156 | | 0.156 | | 84.4% | | 24,893 | | 7,275 | | 8,360 | | 0.57 | | 0.25 | | 0.789 | | 0.144 | | 0.306 | | 0.306 | | 69.4% | | 69.4% | | | |
| 38 | 1954 | | A | | 57,158 | | 6,609 | | 20,427 | | 23% | | 0.23 | | 0.664 | | 0.152 | | 0.152 | | 84.8% | | 49,536 | | 7,874 | | 17,576 | | 0.23 | | 0.23 | | 0.822 | | 0.144 | | 0.301 | | 0.301 | | 69.9% | | 69.9% | | | |
| 39 | 1955 | | D | | 16,298 | | 7,412 | | 5,145 | | 62% | | 0.27 | | 0.707 | | 0.190 | | 0.190 | | 81.0% | | 17,945 | | 5,761 | | 5,761 | | 0.60 | | 0.26 | | 0.763 | | 0.144 | | 0.313 | | 0.313 | | 68.7% | | 68.7% | | | |
| 40 | 1956 | | W | | 63,748 | | 8,957 | | 22,892 | | 23% | | 0.23 | | 0.790 | | 0.180 | | 0.180 | | 82.0% | | 36,676 | | 6,774 | | 12,767 | | 0.24 | | 0.24 | | 0.782 | | 0.144 | | 0.327 | | 0.327 | | 70.8% | | 70.8% | | | |
| 41 | 1957 | | A | | 33,144 | | 8,889 | | 11,446 | | 24% | | 0.24 | | 0.787 | | 0.190 | | 0.190 | | 81.0% | | 44,377 | | 7,510 | | 15,647 | | 0.23 | | 0.23 | | 0.808 | | 0.144 | | 0.300 | | 0.300 | | 70.0% | | 70.0% | | | |
| 42 | 1958 | | W | | 62,990 | | 7,780 | | 22,608 | | 23% | | 0.23 | | 0.727 | | 0.166 | | 0.166 | | 83.4% | | 93,616 | | 7,631 | | 34,062 | | 0.22 | | 0.22 | | 0.803 | | 0.144 | | 0.291 | | 0.291 | | 70.9% | | 70.9% | | | |
| 43 | 1959 | | B | | 50,082 | | 5,874 | | 17,781 | | 23% | | 0.23 | | 0.624 | | 0.145 | | 0.145 | | 85.5% | | 22,084 | | 6,130 | | 7,309 | | 0.58 | | 0.25 | | 0.728 | | 0.144 | | 0.293 | | 0.293 | | 70.7% | | 70.7% | | | |
| 44 | 1960 | | D | | 27,024 | | 11,526 | | 9,157 | | 25% | | 0.25 | | 0.929 | | 0.230 | | 0.230 | | 77.0% | | 21,493 | | 6,854 | | 7,088 | | 0.58 | | 0.26 | | 0.767 | | 0.144 | | 0.304 | | 0.304 | | 69.6% | | 69.6% | | | |
| 45 | 1961 | | D | | 30,874 | | 11,150 | | 10,597 | | 24% | | 0.24 | | 0.909 | | 0.221 | | 0.221 | | 77.9% | | 20,744 | | 7,985 | | 6,808 | | 0.59 | | 0.26 | | 0.828 | | 0.144 | | 0.320 | | 0.320 | | 68.0% | | 68.0%</ | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|---|------------------|---|----|----------------------------|----|----|----------|----|----|-------------------------------|----|----|----------------------|----|----|---------------------|----|----|----------------|--|--|
| 1 | Study 526 Winter Run Smolt Survival Model | | | | | | | | | | | | | | | | | February Water Temp | | | 50 | April Water Temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over | | | | | | | | | | | | | | | | | 25000 cfs | | | March Water Temp | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than | | | | | | | | | | | | | | | | | 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | | | Calculated Sutter & Slough | | | MARCH | | | Calculated Sutter & Slough | | | APRIL | | | Calculated Steamboat & Sutter | | | Calculated Mortality | | | Calculated Survival | | | Weighted Total | | |
| 7 | Water | | | | | | | | | | | | | | | | | Flow | | | Flow | | | Flow | | | Flow | | | Flow | | | Flow | | | Flow | | | | | |
| 8 | River | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 9 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 10 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 11 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 12 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 13 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 14 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 15 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 16 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 17 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 18 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 19 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 20 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 21 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 22 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 23 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 24 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 25 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 26 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 27 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 28 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 29 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 30 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 31 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 32 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 33 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 34 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 35 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 36 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 37 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 38 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 39 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 40 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 41 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 42 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 43 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 44 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 45 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 46 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 47 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 48 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 49 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 50 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 51 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 52 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 53 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 54 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 55 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 56 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 57 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 58 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 59 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 60 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 61 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 62 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 63 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 64 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 65 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 66 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 67 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 68 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 69 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 70 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 71 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 72 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 73 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 74 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 75 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 76 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 77 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 78 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 79 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 80 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 81 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 82 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 83 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 84 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 85 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 86 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 87 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 88 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 89 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 90 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 91 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 92 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 93 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 94 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 95 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 96 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 97 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 98 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 99 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 100 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 101 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 102 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 103 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 104 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 105 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 106 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 107 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 108 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 109 | m23 | | | | | | | | | | | | | | | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | m123 | | | | | |
| 110 | s123 | | | | | | | | | | | | | | | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | s123 | | | | | |
| 111 | Year | | | | | | | | | | | | | | | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | Type | | | | | |
| 112 | Flow | | | | | | | | | | | | | | | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | Exports | | | | | |
| 113 | CVP + SWP | | | | | | | | | | | | | | | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | Slough Q | | | | | |
| 114 | Slopout Q | | | | | | | | | | | | | | | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | Percent | | | | | |
| 115 | X-Channel | | | | | | | | | | | | | | | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | Closed | | | | | |
| 116 | m2 | | | | | | | | | | | | | | | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | m3 | | | | | |
| 117 | m23 | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | AS | |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|--|
| 1 | Study 526A Winter Run Smolt Survival Model | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | | | April Water Temperatures based on limited historical data from USBR | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | | | APRIL | | | | | | | | | |
| 7 | Water Sutter & Slough | | | | | | | | | | | | | Water Sutter & Slough | | | | | | | | | | | | | | | | | Water Sutter & Slough | | | | | | | | | |
| 8 | Year Type Flow River CVP + SWP Exports Slough Q Percent X-Channel Closed m1 m2 m3 m23 m123 | | | | | | | | | | | | | Year Type Flow River CVP + SWP Exports Slough Q Percent X-Channel Closed m1 m2 m3 m23 m123 | | | | | | | | | | | | | | | | | Year Type Flow River CVP + SWP Exports Slough Q Percent X-Channel Closed m1 m2 m3 m23 m123 | | | | | | | | | |
| 9 | 8123 | | | | | | | | | | | | | 8123 | | | | | | | | | | | | | | | | | 8123 | | | | | | | | | |
| 10 | 91.9% | | | | | | | | | | | | | 91.9% | | | | | | | | | | | | | | | | | 91.9% | | | | | | | | | |
| 11 | 81.9% | | | | | | | | | | | | | 81.9% | | | | | | | | | | | | | | | | | 81.9% | | | | | | | | | |
| 12 | 78.8% | | | | | | | | | | | | | 78.8% | | | | | | | | | | | | | | | | | 78.8% | | | | | | | | | |
| 13 | 77.1% | | | | | | | | | | | | | 77.1% | | | | | | | | | | | | | | | | | 77.1% | | | | | | | | | |
| 14 | 73.9% | | | | | | | | | | | | | 73.9% | | | | | | | | | | | | | | | | | 73.9% | | | | | | | | | |
| 15 | 83.0% | | | | | | | | | | | | | 83.0% | | | | | | | | | | | | | | | | | 83.0% | | | | | | | | | |
| 16 | 82.0% | | | | | | | | | | | | | 82.0% | | | | | | | | | | | | | | | | | 82.0% | | | | | | | | | |
| 17 | 80.1% | | | | | | | | | | | | | 80.1% | | | | | | | | | | | | | | | | | 80.1% | | | | | | | | | |
| 18 | 82.0% | | | | | | | | | | | | | 82.0% | | | | | | | | | | | | | | | | | 82.0% | | | | | | | | | |
| 19 | 82.7% | | | | | | | | | | | | | 82.7% | | | | | | | | | | | | | | | | | 82.7% | | | | | | | | | |
| 20 | 77.8% | | | | | | | | | | | | | 77.8% | | | | | | | | | | | | | | | | | 77.8% | | | | | | | | | |
| 21 | 80.6% | | | | | | | | | | | | | 80.6% | | | | | | | | | | | | | | | | | 80.6% | | | | | | | | | |
| 22 | 82.5% | | | | | | | | | | | | | 82.5% | | | | | | | | | | | | | | | | | 82.5% | | | | | | | | | |
| 23 | 84.2% | | | | | | | | | | | | | 84.2% | | | | | | | | | | | | | | | | | 84.2% | | | | | | | | | |
| 24 | 74.7% | | | | | | | | | | | | | 74.7% | | | | | | | | | | | | | | | | | 74.7% | | | | | | | | | |
| 25 | 80.6% | | | | | | | | | | | | | 80.6% | | | | | | | | | | | | | | | | | 80.6% | | | | | | | | | |
| 26 | 86.9% | | | | | | | | | | | | | 86.9% | | | | | | | | | | | | | | | | | 86.9% | | | | | | | | | |
| 27 | 84.2% | | | | | | | | | | | | | 84.2% | | | | | | | | | | | | | | | | | 84.2% | | | | | | | | | |
| 28 | 84.2% | | | | | | | | | | | | | 84.2% | | | | | | | | | | | | | | | | | 84.2% | | | | | | | | | |
| 29 | 83.2% | | | | | | | | | | | | | 83.2% | | | | | | | | | | | | | | | | | 83.2% | | | | | | | | | |
| 30 | 86.3% | | | | | | | | | | | | | 86.3% | | | | | | | | | | | | | | | | | 86.3% | | | | | | | | | |
| 31 | 85.4% | | | | | | | | | | | | | 85.4% | | | | | | | | | | | | | | | | | 85.4% | | | | | | | | | |
| 32 | 85.5% | | | | | | | | | | | | | 85.5% | | | | | | | | | | | | | | | | | 85.5% | | | | | | | | | |
| 33 | 84.7% | | | | | | | | | | | | | 84.7% | | | | | | | | | | | | | | | | | 84.7% | | | | | | | | | |
| 34 | 83.6% | | | | | | | | | | | | | 83.6% | | | | | | | | | | | | | | | | | 83.6% | | | | | | | | | |
| 35 | 81.0% | | | | | | | | | | | | | 81.0% | | | | | | | | | | | | | | | | | 81.0% | | | | | | | | | |
| 36 | 83.2% | | | | | | | | | | | | | 83.2% | | | | | | | | | | | | | | | | | 83.2% | | | | | | | | | |
| 37 | 84.5% | | | | | | | | | | | | | 84.5% | | | | | | | | | | | | | | | | | 84.5% | | | | | | | | | |
| 38 | 75.0% | | | | | | | | | | | | | 75.0% | | | | | | | | | | | | | | | | | 75.0% | | | | | | | | | |
| 39 | 84.8% | | | | | | | | | | | | | 84.8% | | | | | | | | | | | | | | | | | 84.8% | | | | | | | | | |
| 40 | 86.4% | | | | | | | | | | | | | 86.4% | | | | | | | | | | | | | | | | | 86.4% | | | | | | | | | |
| 41 | 84.2% | | | | | | | | | | | | | 84.2% | | | | | | | | | | | | | | | | | 84.2% | | | | | | | | | |
| 42 | 84.8% | | | | | | | | | | | | | 84.8% | | | | | | | | | | | | | | | | | 84.8% | | | | | | | | | |
| 43 | 83.6% | | | | | | | | | | | | | 83.6% | | | | | | | | | | | | | | | | | 83.6% | | | | | | | | | |
| 44 | 85.6% | | | | | | | | | | | | | 85.6% | | | | | | | | | | | | | | | | | 85.6% | | | | | | | | | |
| 45 | 85.9% | | | | | | | | | | | | | 85.9% | | | | | | | | | | | | | | | | | 85.9% | | | | | | | | | |
| 46 | 84.5% | | | | | | | | | | | | | 84.5% | | | | | | | | | | | | | | | | | 84.5% | | | | | | | | | |
| 47 | 85.5% | | | | | | | | | | | | | 85.5% | | | | | | | | | | | | | | | | | 85.5% | | | | | | | | | |
| 48 | 75.5% | | | | | | | | | | | | | 75.5% | | | | | | | | | | | | | | | | | 75.5% | | | | | | | | | |
| 49 | 74.5% | | | | | | | | | | | | | 74.5% | | | | | | | | | | | | | | | | | 74.5% | | | | | | | | | |
| 50 | 82.2% | | | | | | | | | | | | | 82.2% | | | | | | | | | | | | | | | | | 82.2% | | | | | | | | | |
| 51 | 81.2% | | | | | | | | | | | | | 81.2% | | | | | | | | | | | | | | | | | 81.2% | | | | | | | | | |
| 52 | 85.6% | | | | | | | | | | | | | 85.6% | | | | | | | | | | | | | | | | | 85.6% | | | | | | | | | |
| 53 | 82.5% | | | | | | | | | | | | | 82.5% | | | | | | | | | | | | | | | | | 82.5% | | | | | | | | | |
| 54 | 83.8% | | | | | | | | | | | | | 83.8% | | | | | | | | | | | | | | | | | 83.8% | | | | | | | | | |
| 55 | 86.8% | | | | | | | | | | | | | 86.8% | | | | | | | | | | | | | | | | | 86.8% | | | | | | | | | |
| 56 | 85.5% | | | | | | | | | | | | | 85.5% | | | | | | | | | | | | | | | | | 85.5% | | | | | | | | | |
| 57 | 87.3% | | | | | | | | | | | | | 87.3% | | | | | | | | | | | | | | | | | 87.3% | | | | | | | | | |
| 58 | 83.2% | | | | | | | | | | | | | 83.2% | | | | | | | | | | | | | | | | | 83.2% | | | | | | | | | |
| 59 | 86.4% | | | | | | | | | | | | | 86.4% | | | | | | | | | | | | | | | | | 86.4% | | | | | | | | | |
| 60 | 83.7% | | | | | | | | | | | | | 83.7% | | | | | | | | | | | | | | | | | 83.7% | | | | | | | | | |
| 61 | 82.5% | | | | | | | | | | | | | 82.5% | | | | | | | | | | | | | | | | | 82.5% | | | | | | | | | |
| 62 | 84.8% | | | | | | | | | | | | | 84.8% | | | | | | | | | | | | | | | | | 84.8% | | | | | | | | | |
| 63 | 85.3% | | | | | | | | | | | | | 85.3% | | | | | | | | | | | | | | | | | 85.3% | | | | | | | | | |
| 64 | 80.3% | | | | | | | | | | | | | 80.3% | | | | | | | | | | | | | | | | | 80.3% | | | | | | | | | |
| 65 | 88.2% | | | | | | | | | | | | | 88.2% | | | | | | | | | | | | | | | | | 88.2% | | | | | | | | | |
| 66 | 86.0% | | | | | | | | | | | | | 86.0% | | | | | | | | | | | | | | | | | 86.0% | | | | | | | | | |
| 67 | 85.8% | | | | | | | | | | | | | 85.8% | | | | | | | | | | | | | | | | | 85.8% | | | | | | | | | |
| 68 | 87.4% | | | | | | | | | | | | | 87.4% | | | | | | | | | | | | | | | | | 87.4% | | | | | | | | | |
| 69 | 82.5% | | | | | | | | | | | | | 82.5% | | | | | | | | | | | | | | | | | 82.5% | | | | | | | | | |
| 70 | 85.8% | | | | | | | | | | | | | 85.8% | | | | | | | | | | | | | | | | | 85.8% | | | | | | | | | |
| 71 | 87.9% | | | | | | | | | | | | | 87.9% | | | | | | | | | | | | | | | | | 87.9% | | | | | | | | | |
| 72 | 85.8% | | | | | | | | | | | | | 85.8% | | | | | | | | | | | | | | | | | 85.8% | | | | | | | | | |
| 73 | 83.1% | | | | | | | | | | | | | 83.1% | | | | | | | | | | | | | | | | | 83.1% | | | | | | | | | |
| 74 | 83.3% | | | | | | | | | | | | | 83.3% | | | | | | | | | | | | | | | | | 83.3% | | | | | | | | | |
| 75 | 84.3% | | | | | | | | | | | | | 84.3% | | | | | | | | | | | | | | | | | 84.3% | | | | | | | | | |
| 76 | 82.9% | | | | | | | | | | | | | 82.9% | | | | | | | | | | | | | | | | | 82.9% | | | | | | | | | |
| 77 | 87.2% | | | | | | | | | | | | | 87.2% | | | | | | | | | | | | | | | | | 87.2% | | | | | | | | | |
| 78 | 87.2% | | | | | | | | | | | | | 87.2% | | | | | | | | | | | | | | | | | 87.2% | | | | | | | | | |
| 79 | 82.9% | | | | | | | | | | | | | 82.9% | | | | | | | | | | | | | | | | | 82.9% | | | | | | | | | |
| 80 | 89.2% | | | | | | | | | | | | | 89.2% | | | | | | | | | | | | | | | | | 89.2% | | | | | | | | | |
| 81 | 78.3% | | | | | | | | | | | | | 78.3% | | | | | | | | | | | | | | | | | 78.3% | | | | | | | | | |
| 82 | Formulas: Winter Run Salmon Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Average: 66.18% | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data!E7 | | | | | | | | | | | | | Q10 =Study 467 Flow Data!F7 | | | | | | | | | | | | | | | | | AE10 =Study 467 Flow Data!G7 | | | | | | | | | |
| 86 | R10 =Study 467 Flow Data!O7 | | | | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | AF10 =Study 467 Flow Data!Q7 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data!Y7 | | | | | | | | | | | | | (HIDDEN) | | | | | | | | | | | | | | | | | AG10 =Study 467 Flow Data!AA7 | | | | | | | | | |
| 88 | F10 =(D9+E9) | | | | | | | | | | | | | T10 =(R9+S9) | | | | | | | | | | | | | | | | | AH10 =(A9+AG9) | | | | | | | | | |
| 89 | G10 =0.374*C9-950 | | | | | | | | | | | | | U10 =0.374*Q9-950 | | | | | | | | | | | | | | | | | AI10 =0.374*AE9-950 | | | | | | | | | |
| 90 | H10 =IF(C9>=GS2,(0.133*Q9+829)/(C9-G9),(0.293*C9+2090)/(C9-G9)) | | | | | | | | | | | | | V10 =IF(C9>=GS2,(0.133*Q9+829)/(Q9-U9),(0.293*Q9+2090)/(Q9-U9)) | | | | | | | | | | | | | | | | | AJ10 =IF(AE9>=GS2,(0.133*AE9+829)/(AE9-AI9),(0.293*AE9+2090)/(AE9-AI9)) | | | | | | | | | |
| 91 | I10 =(0.133*C9+829)/(C9-G9) | | | | | | | | | | | | | Y10 =(0.133*Q9+829)/(Q9-U9) | | | | | | | | | | | | | | | | | AK10 =(0.133*AE9+829)/(AE9-AI9) | | | | | | | | | |
| 92 | K10 =(0.5916024)+(0.017968*(SM\$1)+(0.000054*F9)) | | | | | | | | | | | | | W10 =IF((0.5916024)+(0.017968*(SM\$2)+(0.000054*T9))>1,((0.5916024)+(0.017968*(SM\$2)+(0.000054*Y10))) | | | | | | | | | | | | | | | | | AL10 =IF(((0.5916024)+(0.017968*(SM\$2)+(0.000054*F9))>1,((0.5916024)+(0.017968*(SM\$2)+(0.000054*Y10))) | | | | | | | | | |
| 93 | M10 =(K9+I9)*(1-19) | | | | | | | | | | | | | Z10 =1.613493+(0.0319584*(SM\$2)) | | | | | | | | | | | | | | | | | AO10 =IF(((0.5916024)+(0.017968*(SM\$2)+(0.000054*F9))>1,((0.5916024)+(0.017968*(SM\$2)+(0.000054*Y10))) | | | | | | | | | |
| 94 | N10 =(K9+I9)*(J9-M9) | | | | | | | | | | | | | AA10 =(Y9*W9)+Z9*(1-W9) | | | | | | | | | | | | | | | | | AN10 =1.613493+(0.0319584*(SM\$2)) | | | | | | | | | |
| 95 | O10 =1-N9 | | | | | | | | | | | | | AB10 =(X9+AA9)-(X9*AA9) | | | | | | | | | | | | | | | | | AP10 =(AN9+AK9)+(AO9*(1-AK9)) | | | | | | | | | |
| 96 | | | | | | | | | | | | | | AC10 =1-AB9 | | | | | | | | | | | | | | | | | AQ10 =(AM9+AP9)-(AM9*AP9) | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | |
|----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|--|----|----|--|--|--|--|--|--|--|
| 1 | Study 467 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data/I87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data/I87 | | | | | | | | | | AE10 =Study 467 Flow Data/I87 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data/L7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data/IM7 | | | | | | | | | | AF10 =Study 467 Flow Data/IN7 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data/W7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data/W7 | | | | | | | | | | AG10 =Study 467 Flow Data/IO7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =D10+Q10*0.950 | | | | | | | | | | AI10 =D10+AE10*0.950 | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SKS4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SKS4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =(0.45*(0.133*Q10+829)/(Q10-U10)+0.55*V10) | | | | | | | | | | AK10 =(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(0.5916024)+(0.017968*ST31)+(0.000054*F10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(0.5916024)+(0.017968*ST32)+(0.000054*T10) | | | | | | | | | | AM10 =(0.5916024)+(0.017968*ST33)+(0.000054*U10) | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =(K10+H10)*I10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =(Y10+W10)*X10*(1-W10) | | | | | | | | | | AO10 =(AM10+AL10)*(AN10*(1-AK10)) | | | | | | | | | |
| 96 | N10 =J10+M10*(J10/M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+Y10*(X10/Y10) | | | | | | | | | | AP10 =AL10+AO10*(AL10/AO10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |

| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV |
|------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 467 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | |
| 8 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 9 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 10 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 11 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 12 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 13 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 14 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 15 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 16 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 17 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 18 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 19 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 20 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 21 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 22 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 23 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 24 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 25 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 26 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 27 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 28 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 29 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 30 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 31 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 32 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 33 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 34 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 35 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 36 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 37 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 38 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 39 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 40 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 41 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 42 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 43 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 44 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 45 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 46 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 47 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 48 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 49 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 50 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 51 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 52 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 53 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 54 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 55 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 56 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 57 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 58 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 59 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 60 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 61 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 62 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 63 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 64 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 65 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 66 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 67 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 68 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 69 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 70 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 71 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 72 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 73 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 74 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 75 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 76 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 77 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 78 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 79 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 80 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 81 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 82 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 83 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 84 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 85 | AS10 = Study 467 Flow Data IE7 | | | | | | | | | | | | | | | BG10 = Study 467 Flow Data IF7 | | | | | | | | | | | | | | |
| 86 | AT10 = Study 467 Flow Data IO7 | | | | | | | | | | | | | | | BH10 = Study 467 Flow Data IP7 | | | | | | | | | | | | | | |
| 87 | AU10 = Study 467 Flow Data IY7 | | | | | | | | | | | | | | | BI10 = Study 467 Flow Data IZ7 | | | | | | | | | | | | | | |
| 88 | AV10 = (AT10+AU10) | | | | | | | | | | | | | | | BJ10 = (BH10+BI10) | | | | | | | | | | | | | | |
| 89 | AW10 = 0.37*(AS10-950) | | | | | | | | | | | | | | | BK10 = 0.37*(BG10-950) | | | | | | | | | | | | | | |
| 90 | AX10 = IF(AS10<SK54, (0.133*(AS10+829)/(AS10-AW10), (0.293*(AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | | BL10 = IF(BG10<SK54, (0.133*(BG10+829)/(BG10-BK10), (0.293*(BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | |
| 91 | AY10 = (0.133*(AS10+829)/(AS10-AW10) | | | | | | | | | | | | | | | BM10 = (0.133*(BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | |
| 92 | AZ10 = IF(-2.45925+(0.0420748*(SBCS2))>0, -2.45925+(0.0420748*(SBCS2)), 0) | | | | | | | | | | | | | | | BN10 = IF(-2.45925+(0.0420748*(SBCS3))>0, -2.45925+(0.0420748*(SBCS3)), 0) | | | | | | | | | | | | | | |
| 93 | BA10 = (-0.5916024)+(0.017968*(S3))+(0.000054*(AH10)) | | | | | | | | | | | | | | | BO10 = (-0.5916024)+(0.017968*(SBC3))+(0.000054*(BJ10)) | | | | | | | | | | | | | | |
| 94 | BB10 = IF(-1.613493+(0.0319584*(SBCS2))>0, -1.613493+(0.0319584*(SBCS2)), 0) | | | | | | | | | | | | | | | BP10 = IF(-1.613493+(0.0319584*(SBCS3))>0, -1.613493+(0.0319584*(SBCS3)), 0) | | | | | | | | | | | | | | |
| 95 | BC10 = (BA10*(AY10)/(BB10*(1-AY10)) | | | | | | | | | | | | | | | BQ10 = (BP10*(BM10)/(BQ10*(1-BM10)) | | | | | | | | | | | | | | |
| 96 | BD10 = AZ10*(BC10)/(AZ10*(BC10)) | | | | | | | | | | | | | | | BR10 = BN10*(BO10)/(BN10*(BO10)) | | | | | | | | | | | | | | |
| 97 | BE10 = 1-BD10 | | | | | | | | | | | | | | | BS10 = 1-BR10 | | | | | | | | | | | | | | |
| 98 | BF10 = (O10*(0.37)+(AC10*(0.42)+(AQ10*(0.13)+(BE10*(0.05)+(BS10*(0.03)) | | | | | | | | | | | | | | | BT10 = (O10*(0.37)+(AC10*(0.42)+(AQ10*(0.13)+(BE10*(0.05)+(BS10*(0.03)) | | | | | | | | | | | | | | |
| AVERAGE: 62.04% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR |
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| 1 | Study 469 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\B7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\L7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\W7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*(C10+829)/(C10-G10),(0.293*(C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | I10 =IF(0.133*(C10+829)/(C10-G10)+0.55*(V10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | J10 =IF(2.45925+(0.0420748*(ST31))-0,-2.45925+(0.0420748*(ST31)),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | K10 =IF(0.5916024+(0.017968*(ST31))+0.000054*(F10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | L10 =IF(1.613493+(0.0319584*(ST31))-0,-1.613493+(0.0319584*(ST31)),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | M10 =IF(10*(H10)+1*(I10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | N10 =J10+M10/(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | | | |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| 1 | Study 469 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 8 | River SVP | | | | | | | | | | | | | | | | River SVP | | | | | | | | | | | | | | | |
| 9 | Flow CVP | | | | | | | | | | | | | | | | Flow CVP | | | | | | | | | | | | | | | |
| 10 | Flow SWP | | | | | | | | | | | | | | | | Flow SWP | | | | | | | | | | | | | | | |
| 11 | Exports CVP + SWP | | | | | | | | | | | | | | | | Exports CVP + SWP | | | | | | | | | | | | | | | |
| 12 | Slough % | | | | | | | | | | | | | | | | Slough % | | | | | | | | | | | | | | | |
| 13 | Percent | | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 14 | X-Channel | | | | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 15 | m1 | | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 16 | m2 | | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 17 | m3 | | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 18 | m23 | | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 19 | m123 | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 20 | Calculated Mortality | | | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | | |
| 21 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 22 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 23 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 24 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 25 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 26 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 27 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 28 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 29 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 30 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 31 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 32 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 33 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 34 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 35 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 36 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 37 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 38 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 39 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 40 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 41 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 42 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 43 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 44 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 45 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 46 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 47 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 48 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 49 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 50 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 51 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 52 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 53 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 54 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 55 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 56 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 57 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 58 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 59 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 60 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 61 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 62 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 63 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 64 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 65 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 66 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 67 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 68 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 69 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 70 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 71 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 72 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 73 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 74 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 75 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 76 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 77 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 78 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 79 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 80 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 81 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 82 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 83 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 84 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 85 | AS10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BG10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BH10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BI10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
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| 96 | BD10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BR10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
| 97 | BE10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BS10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
| 98 | BF10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BT10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
| 99 | BG10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | BU10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | |
| 100 | BH10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | | Average: 63.36% | | | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | | |
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| 1 | Study 501 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\I87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data\I7 | | | | | | | | | | AE10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\I7 | | | | | | | | | | AF10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\I7 | | | | | | | | | | AG10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =C10+C950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =D10+Q10+950 | | | | | | | | | | AI10 =D10+AE10+950 | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*(C10+829)/(C10-G10),(0.293*(C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SKS4,(0.133*(Q10+829)/(Q10-U10),(0.293*(Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SKS4,(0.133*(AE10+829)/(AE10-AI10),(0.293*(AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =D10*(0.133*(C10+829)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =D10*(0.133*(Q10+829)/(Q10-U10)) | | | | | | | | | | AK10 =D10*(0.133*(AE10+829)/(AE10-AI10)) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST31)+(0.000054*F10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST32)+(0.000054*F10) | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST33)+(0.000054*F10) | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =K10*(H10+I10*(1-H10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =Y10*(W10+X10*(1-W10)) | | | | | | | | | | AO10 =AM10*(AL10+AN10*(1-AL10)) | | | | | | | | | |
| 96 | N10 =J10*(H10+I10*(1-H10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10*(H10+I10*(1-H10)) | | | | | | | | | | AQ10 =AL10*(AL10+AN10*(1-AL10)) | | | | | | | | | |
| 97 | O10 =I1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =I1-AB10 | | | | | | | | | | AR10 =AL1-AP10 | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | | |
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| 1 | Study 501A Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data\I7 | | | | | | | | | | AE10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\I7 | | | | | | | | | | AF10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\I7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\I7 | | | | | | | | | | AG10 =Study 467 Flow Data\I7 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =D10+Q10*0.950 | | | | | | | | | | AI10 =D10+AE10*0.950 | | | | | | | | | |
| 90 | H10 =IF(C10<=SKS4,(0.133*(C10+829)/(C10-G10),(0.293*(C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<=SKS4,(0.133*(Q10+829)/(Q10-U10),(0.293*(Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<=SKS4,(0.133*(AE10+829)/(AE10-AI10),(0.293*(AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =IF(0.133*(C10+829)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =IF(0.133*(Q10+829)/(Q10-U10)) | | | | | | | | | | AK10 =IF(0.133*(AE10+829)/(AE10-AI10)) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST31)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST32)+0.000054*T10 | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST33)+0.000054*U10 | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =K10+H10+I10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =Y10+W10+X10*(1-W10) | | | | | | | | | | AO10 =AM10+AN10*(1-AN10) | | | | | | | | | |
| 96 | N10 =J10+M10+(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+Y10+(X10*Y10) | | | | | | | | | | AP10 =AL10+AO10*(AL10*AO10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | | |
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| 1 | Study 524 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data\I07 | | | | | | | | | | AE10 =Study 467 Flow Data\I07 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\I17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\I17 | | | | | | | | | | AF10 =Study 467 Flow Data\I17 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\I07 | | | | | | | | | | AG10 =Study 467 Flow Data\I07 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =D10+Q10*0.950 | | | | | | | | | | AI10 =D10+AE10*0.950 | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SKS4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SKS4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =IF(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =IF(0.133*Q10+829)/(Q10-U10) | | | | | | | | | | AK10 =IF(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST31)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST32)+0.000054*T10 | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST33)+0.000054*U10 | | | | | | | | | |
| 94 | L10 =IF(-1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(-1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(-1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =K10+H10+J10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =Y10*W10+X10*(1-W10) | | | | | | | | | | AO10 =AM10+AN10*(1-AI10) | | | | | | | | | |
| 96 | N10 =J10+H10+J10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+H10*(1-H10) | | | | | | | | | | AP10 =AL10+AO10*(1-AI10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 1 | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | | | |
|----|--|----|----|----|----|----|----|----|----|----|----|----|--------------------------|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| 2 | Study 524 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | | | | | |
| 5 | FEBRUARY | | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 7 | River | | | | | | | | | | | | | | | | River | | | | | | | | | | | | | | | |
| 8 | Flow | | | | | | | | | | | | | | | | Flow | | | | | | | | | | | | | | | |
| 9 | CVP | | | | | | | | | | | | | | | | CVP | | | | | | | | | | | | | | | |
| 10 | SWP | | | | | | | | | | | | | | | | SWP | | | | | | | | | | | | | | | |
| 11 | CVP + SWP | | | | | | | | | | | | | | | | CVP + SWP | | | | | | | | | | | | | | | |
| 12 | Exports | | | | | | | | | | | | | | | | Exports | | | | | | | | | | | | | | | |
| 13 | SloUGH Q | | | | | | | | | | | | | | | | SloUGH Q | | | | | | | | | | | | | | | |
| 14 | Percent | | | | | | | | | | | | | | | | Percent | | | | | | | | | | | | | | | |
| 15 | X-Channel | | | | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | | | |
| 16 | Closed | | | | | | | | | | | | | | | | Closed | | | | | | | | | | | | | | | |
| 17 | m1 | | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 18 | m2 | | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 19 | m3 | | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 20 | m23 | | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 21 | m123 | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 22 | Calculated Mortality | | | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | | |
| 23 | m1 | | | | | | | | | | | | | | | | m1 | | | | | | | | | | | | | | | |
| 24 | m2 | | | | | | | | | | | | | | | | m2 | | | | | | | | | | | | | | | |
| 25 | m3 | | | | | | | | | | | | | | | | m3 | | | | | | | | | | | | | | | |
| 26 | m23 | | | | | | | | | | | | | | | | m23 | | | | | | | | | | | | | | | |
| 27 | m123 | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | |
| 28 | Survivability | | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | | |
| 29 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 31 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 33 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 35 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 37 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 39 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 41 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 43 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 45 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 47 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 49 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 51 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 53 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 55 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 57 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 59 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 61 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 63 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 65 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 67 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 69 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 71 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 73 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 75 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 77 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 79 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 80 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 81 | Total | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| 82 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 83 | Weighted | | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | |
| 84 | Survival | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | |
| 85 | AS10 =Study 467 Flow DataI7E | | | | | | | | | | | | | | | | BG10 =Study 467 Flow DataI7F | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 467 Flow DataI7O | | | | | | | | | | | | | | | | BH10 =Study 467 Flow DataI7P | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 467 Flow DataI7Y | | | | | | | | | | | | | | | | BI10 =Study 467 Flow DataI7Z | | | | | | | | | | | | | | | |
| 88 | AV10 =(AT10+AU10) | | | | | | | | | | | | | | | | BJ10 =(BH10+BI10) | | | | | | | | | | | | | | | |
| 89 | AW10 =(AT10+AS10+AU10) | | | | | | | | | | | | | | | | BK10 =(BH10+BG10+BI10) | | | | | | | | | | | | | | | |
| 90 | AX10 =IF(AS10<SK34,(0.133*AS10+829)/(AS10-AW10),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | | | BL10 =IF(BG10<SK34,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | | |
| 91 | AY10 =(0.133*AS10+829)/(AS10-AW10) | | | | | | | | | | | | | | | | BM10 =(0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | | |
| 92 | AZ10 =IF(-2.45925+(0.0420748*SBCS2)>0,-2.45925+(0.0420748*SBCS2),0) | | | | | | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBCS3)>0,-2.45925+(0.0420748*SBCS3),0) | | | | | | | | | | | | | | | |
| 93 | BA10 =(-0.5916024)+(0.017968*STS3)+(0.000054*AH10) | | | | | | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*SBCS3)+(0.000054*BJ10) | | | | | | | | | | | | | | | |
| 94 | BB10 =IF(-1.613493+(0.0319584*SBCS2)>0,-1.613493+(0.0319584*SBCS2),0) | | | | | | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBCS3)>0,-1.613493+(0.0319584*SBCS3),0) | | | | | | | | | | | | | | | |
| 95 | BC10 =(BA10*AY10)/(BB10*(1-AY10)) | | | | | | | | | | | | | | | | BQ10 =(BM10*BN10)/(BP10*(1-BN10)) | | | | | | | | | | | | | | | |
| 96 | BD10 =AZ10+BC10-(AZ10*BC10) | | | | | | | | | | | | | | | | BR10 =BK10+BL10-(BK10*BL10) | | | | | | | | | | | | | | | |
| 97 | BE10 =-1*BD10 | | | | | | | | | | | | | | | | BS10 =-1*BR10 | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | BU10 =(O10*0.37)+(AC10*0.42)+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | AVERAGE: 63.41% | | | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | | | |
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| 1 | Study 525 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | C10 =Study 467 Flow Data\I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data\I07 | | | | | | | | | | AE10 =Study 467 Flow Data\I07 | | | | | | | | | |
| 86 | D10 =Study 467 Flow Data\I17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data\I17 | | | | | | | | | | AF10 =Study 467 Flow Data\I17 | | | | | | | | | |
| 87 | E10 =Study 467 Flow Data\I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data\I07 | | | | | | | | | | AG10 =Study 467 Flow Data\I07 | | | | | | | | | |
| 88 | F10 =D10+E10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T10 =R10+S10 | | | | | | | | | | AH10 =AF10+AG10 | | | | | | | | | |
| 89 | G10 =D10+C10+Q50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | U10 =F10+Q10+Q50 | | | | | | | | | | AI10 =D10+Q10+Q50 | | | | | | | | | |
| 90 | H10 =IF(C10<SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | V10 =IF(Q10<SKS4,(0.133*Q10+829)/(Q10-U10),(0.293*Q10+2090)/(Q10-U10)) | | | | | | | | | | AJ10 =IF(AE10<SKS4,(0.133*AE10+829)/(AE10-AI10),(0.293*AE10+2090)/(AE10-AI10)) | | | | | | | | | |
| 91 | I10 =IF(0.133*C10+829)/(C10-G10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W10 =IF(0.133*Q10+829)/(Q10-U10) | | | | | | | | | | AK10 =IF(0.133*AE10+829)/(AE10-AI10) | | | | | | | | | |
| 92 | J10 =IF(-2.45925+(0.0420748*ST31)-0,-2.45925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X10 =IF(-2.45925+(0.0420748*ST32)-0,-2.45925+(0.0420748*ST32),0) | | | | | | | | | | AL10 =IF(-2.45925+(0.0420748*ST33)-0,-2.45925+(0.0420748*ST33),0) | | | | | | | | | |
| 93 | K10 =(-0.5916024)+(0.017968*ST31)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Y10 =(-0.5916024)+(0.017968*ST32)+0.000054*T10 | | | | | | | | | | AM10 =(-0.5916024)+(0.017968*ST33)+0.000054*U10 | | | | | | | | | |
| 94 | L10 =IF(1.613493+(0.0319584*ST31)-0,-1.613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Z10 =IF(1.613493+(0.0319584*ST32)-0,-1.613493+(0.0319584*ST32),0) | | | | | | | | | | AN10 =IF(1.613493+(0.0319584*ST33)-0,-1.613493+(0.0319584*ST33),0) | | | | | | | | | |
| 95 | M10 =K10+H10+J10*(1+H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AA10 =Y10*W10+X10*(1+H10) | | | | | | | | | | AO10 =AM10+AN10+(AL10*AO10) | | | | | | | | | |
| 96 | N10 =J10+M10+(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AB10 =X10+Y10+(X10*Y10) | | | | | | | | | | AP10 =AL10+AO10+(AL10*AP10) | | | | | | | | | |
| 97 | O10 =1-N10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AC10 =1-AB10 | | | | | | | | | | AQ10 =1-AP10 | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | | | | | | | | |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|--|----|----|--|--|--|--|--|--|--|--|
| 2 | Study 525 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | February Water Temp | | | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | March Water Temp | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 F | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | Calculated | | | | | | | | | | |
| 8 | River Flow CVP SWP CVP + SWP | | | | | | | | | | | | | | | River Flow CVP SWP CVP + SWP | | | | | | | | | | | River Flow CVP SWP CVP + SWP | | | | | | | | | | |
| 9 | Flow Flow Flow Flow Exports Slough Q Percent | | | | | | | | | | | | | | | Flow Flow Flow Flow Exports Slough Q Percent | | | | | | | | | | | Flow Flow Flow Flow Exports Slough Q Percent | | | | | | | | | | |
| 10 | X-Channel m1 m2 m3 m23 m123 | | | | | | | | | | | | | | | X-Channel m1 m2 m3 m23 m123 | | | | | | | | | | | X-Channel m1 m2 m3 m23 m123 | | | | | | | | | | |
| 11 | Calculated Mortality | | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | Calculated Mortality | | | | | | | | | | |
| 12 | Survivability | | | | | | | | | | | | | | | Survivability | | | | | | | | | | | Survivability | | | | | | | | | | |
| 13 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 14 | Weighted | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | Weighted | | | | | | | | | | |
| 15 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 16 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 17 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 18 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 19 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 22 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 23 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 24 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 25 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 26 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 27 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 28 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 31 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 33 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 35 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 37 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 39 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 43 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 47 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 49 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 51 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 53 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 55 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 57 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 59 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 63 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 65 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 67 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 69 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 71 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 73 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 75 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 79 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 80 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 81 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 82 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 83 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 84 | Survival | | | | | | | | | | | | | | | Survival | | | | | | | | | | | Survival | | | | | | | | | | |
| 85 | AS10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | BG10 =Study 467 Flow DataI7 | | | | | | | | | | | BG10 =Study 467 Flow DataI7 | | | | | | | | | | |
| 86 | AT10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | BH10 =Study 467 Flow DataI7 | | | | | | | | | | | BH10 =Study 467 Flow DataI7 | | | | | | | | | | |
| 87 | AU10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | | BI10 =Study 467 Flow DataI7 | | | | | | | | | | | BI10 =Study 467 Flow DataI7 | | | | | | | | | | |
| 88 | AV10 =AT10+AU10 | | | | | | | | | | | | | | | BJ10 =BH10+BI10 | | | | | | | | | | | BJ10 =BH10+BI10 | | | | | | | | | | |
| 89 | AW10 =0.374*AS10+950 | | | | | | | | | | | | | | | BK10 =0.374*BG10+950 | | | | | | | | | | | BK10 =0.374*BG10+950 | | | | | | | | | | |
| 90 | AX10 =IF(AS10>SKS4,(0.133*AS10+829)/(AS10-AW10),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | | BL10 =IF(BG10>SKS4,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | BL10 =IF(BG10>SKS4,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | |
| 91 | AY10 =0.133*AS10+829/(AS10-AW10) | | | | | | | | | | | | | | | BM10 =0.133*BG10+829/(BG10-BK10) | | | | | | | | | | | BM10 =0.133*BG10+829/(BG10-BK10) | | | | | | | | | | |
| 92 | AZ10 =IF(-2.45925+(0.0420748*SBSC2)-0.2.45925+(0.0420748*SBSC2),0) | | | | | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBSC3)-0.2.45925+(0.0420748*SBSC3),0) | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBSC3)-0.2.45925+(0.0420748*SBSC3),0) | | | | | | | | | | |
| 93 | BA10 =(-0.5916024)+(0.017968*ST33)+(0.000054*AH10) | | | | | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*SB33)+(0.000054*BJ10) | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*SB33)+(0.000054*BJ10) | | | | | | | | | | |
| 94 | BB10 =IF(-1.613493+(0.0319584*SBSC2)-0,-1.613493+(0.0319584*SBSC2),0) | | | | | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBSC3)-0,-1.613493+(0.0319584*SBSC3),0) | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBSC3)-0,-1.613493+(0.0319584*SBSC3),0) | | | | | | | | | | |
| 95 | BC10 =0.133*AS10+829/(AS10-AW10) | | | | | | | | | | | | | | | BQ10 =0.133*BG10+829/(BG10-BK10) | | | | | | | | | | | BQ10 =0.133*BG10+829/(BG10-BK10) | | | | | | | | | | |
| 96 | BD10 =AZ10+BC10/(AS10-AW10) | | | | | | | | | | | | | | | BR10 =AZ10+BC10/(BG10-BK10) | | | | | | | | | | | BR10 =AZ10+BC10/(BG10-BK10) | | | | | | | | | | |
| 97 | BE10 =-1*BD10 | | | | | | | | | | | | | | | BS10 =-1*BR10 | | | | | | | | | | | BS10 =-1*BR10 | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | BT10 =0.374*AC10+0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | BT10 =0.374*AC10+0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | BU10 =0.374*AC10+0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | BU10 =0.374*AC10+0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | Average: 63.06% | | | | | | | | | | | Average: 63.06% | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| 1 | Study 526 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 degrees F | | | | | | | | | | | | | | | |
| 2 | Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | |
| 3 | Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 89 | G10 =D10+C10*0.950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | H10 =IF(C10>SKS4,(0.133*C10+829)/(C10-G10),(0.293*C10+2090)/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | I10 =IF(0.133*C10+829/(C10-G10)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | J10 =IF(2.45925+(0.0420748*ST31)-0.245925+(0.0420748*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | K10 =IF(-0.5916024)+(0.017968*ST32)+0.000054*F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | L10 =IF(1.613493+(0.0319584*ST31)-0.1613493+(0.0319584*ST31),0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | M10 =K10+H10+I10*(1-H10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | N10 =J10+M10*(J10*M10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 2 | Study 526 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | |
| 8 | Sac River | | | | | | | | | | | | | | Sac River | | | | | | | | | | | | | | |
| 9 | Flow CVP SWP CVP + SWP | | | | | | | | | | | | | | Flow CVP SWP CVP + SWP | | | | | | | | | | | | | | |
| 10 | Exports Slightout Q Percent | | | | | | | | | | | | | | Exports Slightout Q Percent | | | | | | | | | | | | | | |
| 11 | X-Channel | | | | | | | | | | | | | | X-Channel | | | | | | | | | | | | | | |
| 12 | m1 m2 m3 m23 m123 | | | | | | | | | | | | | | m1 m2 m3 m23 m123 | | | | | | | | | | | | | | |
| 13 | Calculated Mortality | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | |
| 14 | Survivability | | | | | | | | | | | | | | Survivability | | | | | | | | | | | | | | |
| 15 | Total | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | |
| 16 | Weighted | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | |
| 17 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 18 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 19 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 20 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 21 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 22 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 23 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 24 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 25 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 26 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 27 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 28 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 29 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 30 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 31 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 32 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 33 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 34 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 35 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 36 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 37 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 38 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 39 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 40 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 41 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 42 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 43 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 44 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 45 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 46 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 47 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 48 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 49 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 50 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 51 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 52 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 53 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 54 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 55 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 56 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 57 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 58 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 59 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 60 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 61 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 62 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 63 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 64 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 65 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 66 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 67 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 68 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 69 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 70 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 71 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 72 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 73 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 74 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 75 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 76 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 77 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 78 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 79 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 80 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 81 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 82 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 83 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 84 | Survival | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | |
| 85 | AS10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | BG10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | |
| 86 | AT10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | BH10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | |
| 87 | AU10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | BI10 =Study 467 Flow DataI7 | | | | | | | | | | | | | | |
| 88 | AV10 =AT10+AU10 | | | | | | | | | | | | | | BJ10 =BH10+BI10 | | | | | | | | | | | | | | |
| 89 | AW10 =AZ10+AW10-950 | | | | | | | | | | | | | | BK10 =BJ10+BK10-950 | | | | | | | | | | | | | | |
| 90 | AX10 =I(AZ10-SK54,(0.133*AS10+829)/(AS10-AW10),(0.293*AS10+2090)/(AS10-AW10)) | | | | | | | | | | | | | | BL10 =I(BG10-SK54,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | | | | | | | | | | | | | | |
| 91 | AY10 =I(0.133*AS10+829)/(AS10-AW10) | | | | | | | | | | | | | | BM10 =I(0.133*BG10+829)/(BG10-BK10) | | | | | | | | | | | | | | |
| 92 | AZ10 =I(-2.45925+(0.0420748*SBCS2)>0,-2.45925+(0.0420748*SBCS2),0) | | | | | | | | | | | | | | BN10 =I(-2.45925+(0.0420748*SBCS3)>0,-2.45925+(0.0420748*SBCS3),0) | | | | | | | | | | | | | | |
| 93 | BA10 =(-0.5916024)+(0.017968*STS3)+(0.000054*AH10) | | | | | | | | | | | | | | BO10 =(-0.5916024)+(0.017968*STS3)+(0.000054*BJ10) | | | | | | | | | | | | | | |
| 94 | BB10 =I(-1.613493+(0.0319584*SBCS2)>0,-1.613493+(0.0319584*SBCS2),0) | | | | | | | | | | | | | | BP10 =I(-1.613493+(0.0319584*SBCS3)>0,-1.613493+(0.0319584*SBCS3),0) | | | | | | | | | | | | | | |
| 95 | BC10 =BA10*AY10+(BB10*(1-A*Y10)) | | | | | | | | | | | | | | BQ10 =BM10*BJ10+(BP10*(1-B*Y10)) | | | | | | | | | | | | | | |
| 96 | BD10 =AZ10+BG10-(AZ10*BC10) | | | | | | | | | | | | | | BR10 =BK10+BL10-(BK10*BQ10) | | | | | | | | | | | | | | |
| 97 | BE10 =1-BD10 | | | | | | | | | | | | | | BS10 =1-BR10 | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | BT10 =I(0*0.37)+AC10*0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | BU10 =I(0*0.37)+AC10*0.42+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | AVERAGE: 63.01% | | | | | | | | | | | | | | |

Table with columns for Year, Location (A-R), and various flow and survival metrics (CVP, SWP, CVP+SWP, etc.). Rows 7-84 contain data for November, December, and January survival models across various river segments. The table includes calculated mortality and survival percentages for each segment.

Formulas: Sacramento River Spring Smolt Yearling Survival Model

Table of formulas for Sacramento River Spring Smolt Yearling Survival Model, including variables like C10, D10, Q10, R10, S10, T10 and their mathematical relationships.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ | AR | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|----|----|----|----|--|----|----|----|----|----|----|----|----|----|---|----|----|----|--|--|--|--|--|--|
| 1 Study 634 Sacramento River Spring Run Yearling Survival Model | | | | | | | | | | | | | | | | | | | | November Sacramento River Temp: 53 degrees F | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | |
| 2 Modified m2 by changing the slope to 0.00054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cross Channel closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 Year Type | | | | | | | | | | | | | | | | | | | | NOVEMBER | | | | | | | | | | DECEMBER | | | | | | | | | | JANUARY | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | Water Flow CVP SWP CVP+SWP Steamboat | | | | | | | | | | Sac River CVP SWP SWP+CVP Steamboat | | | | | | | | | | Sac River CVP SWP CVP+SWP Steamboat | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | Flows Flows Flows exports closed Q percent | | | | | | | | | | Flows CVP SWP exports closed Q percent | | | | | | | | | | Flows Flows Flows exports closed Q percent | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | m1 m2 m3 m23 m123 | | | | | | | | | | m1 m2 m3 m23 m123 | | | | | | | | | | m1 m2 m3 m23 m123 | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | schannel | | | | | | | | | | schannel | | | | | | | | | | schannel | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | calculated mortality | | | | | | | | | | Calculated Mortality | | | | | | | | | | Calculated Mortality | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 42 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 46 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 47 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 52 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 54 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 57 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 58 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 59 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 61 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 67 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 69 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | | 123 | | | | | | | | | |

| 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|--|----|----|---|----|----|--|----|----|---|----|----|---|----|----|--|----|-----|
| Formulas: Sacramento River Spring Smolt Yearling Survival Model | | | | | | | | | | | | | | | | | |
| C10 = 'Study 467 Flow Data'!B7 | | | D10 = 'Study 467 Flow Data'!L7 | | | E10 = 'Study 467 Flow Data'!V7 | | | F10 = 'D10+H10 | | | G10 = 0.374*C10-950 | | | H10 = IF(C10<SK\$4,(0.133*(C10-829)+(C10-G10),(0.293*(C10-2090)+(C10-G10)) | | |
| I10 = (0.133*(C10+829)+(C10-G10) | | | J10 = IF(-2.45925+(0.0420748*ST\$1)-0,-2.45925+(0.0420748*ST\$1),0) | | | K10 = (-0.5916024)+(0.017968*ST\$1)+(0.000054*F10) | | | L10 = IF(-1.613493+(0.0319584*ST\$1)-0,-1.613493+(0.0319584*ST\$1),0) | | | M10 = (K10+H10)+L10*(1+H10) | | | N10 = I10+M10+(J10+H10) | | |
| O10 = I10 | | | Q10 = 'Study 467 Flow Data'!C7 | | | R10 = 'Study 467 Flow Data'!M7 | | | S10 = 'Study 467 Flow Data'!W7 | | | T10 = 'D10+H10 | | | U10 = 0.374*Q10-950 | | |
| V10 = IF(Q10<SK\$4,(0.133*(Q10-829)+(Q10-U10),(0.293*(Q10-2090)+(Q10-U10)) | | | W10 = (0.45*(0.133*(Q10+829)+(Q10-U10)+(0.55*V10)) | | | X10 = IF(-2.45925+(0.0420748*ST\$2)-0,-2.45925+(0.0420748*ST\$2),0) | | | Y10 = (-0.5916024)+(0.017968*ST\$2)+(0.000054*T10) | | | Z10 = IF(-1.613493+(0.0319584*ST\$2)-0,-1.613493+(0.0319584*ST\$2),0) | | | AA10 = (K10+H10)+(Z10*(1+H10)) | | |
| AB10 = I10+AA10+(J10+H10) | | | AC10 = I10 | | | AD10 = I10 | | | AE10 = 'Study 467 Flow Data'!D7 | | | AF10 = 'Study 467 Flow Data'!N7 | | | AG10 = 'Study 467 Flow Data'!X7 | | |
| AH10 = 'AF10+AG10 | | | AI10 = 0.374*AE10-950 | | | AJ10 = IF(AE10<SK\$4,(0.133*AE10+829)+(AE10-AI10),(0.293*AE10+2090)+(AE10-AI10)) | | | AK10 = (0.133*AE10+829)+(AE10-AI10) | | | AL10 = IF(-2.45925+(0.0420748*ST\$3)-0,-2.45925+(0.0420748*ST\$3),0) | | | AM10 = (-0.5916024)+(0.017968*ST\$3)+(0.000054*AH10) | | |
| AN10 = IF(-1.613493+(0.0319584*ST\$3)-0,-1.613493+(0.0319584*ST\$3),0) | | | AO10 = (AN10+AI10)+(AM10*(1+AI10)) | | | AP10 = AL10+AO10+(AJ10+AI10) | | | AQ10 = I10 | | | AR10 = I10 | | | | | |

| 1 | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 2 | Study 634 Sacramento River Spring Run Yearling Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Over 25000 cfs February Water Temp 50 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs March Water Temp 55 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | FEBRUARY | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | |
| 8 | River CVP SWP CVP + SWFS | | | | | | | | | | | | | River CVP SWP CVP + SWFS | | | | | | | | | | | | | | | |
| 9 | Flow Flow Flow Exports Slaughter Q Percent X-Channel m1 m2 m3 m23 m123 | | | | | | | | | | | | | Flow Flow Flow Exports Slaughter Q percent X-Channel m1 m2 m3 m23 m123 | | | | | | | | | | | | | | | |
| 10 | 34.421 4.249 6.300 10.549 11.923 24% | | | | | | | | | | | | | 31.554 2.834 4.143 6.977 10.851 24% | | | | | | | | | | | | | | | |
| 11 | 22.087 2.189 2.380 4.569 7.311 58% | | | | | | | | | | | | | 15.486 3.164 3.575 6.739 4.842 62% | | | | | | | | | | | | | | | |
| 12 | 17.751 4.219 4.457 8.676 5.989 65% | | | | | | | | | | | | | 11.966 1.484 1.575 3.059 3.522 66% | | | | | | | | | | | | | | | |
| 13 | 44.705 3.834 7.584 11.418 15.770 23% | | | | | | | | | | | | | 29.971 3.267 2.866 6.133 10.192 24% | | | | | | | | | | | | | | | |
| 14 | 35.467 4.229 7.298 11.527 12.315 24% | | | | | | | | | | | | | 15.769 2.771 3.674 6.445 4.948 62% | | | | | | | | | | | | | | | |
| 15 | 86.633 2.960 9.272 11.232 31.461 22% | | | | | | | | | | | | | 43.865 3.178 4.154 7.332 15.456 23% | | | | | | | | | | | | | | | |
| 16 | 26.504 1.832 4.377 6.209 8.962 25% | | | | | | | | | | | | | 86.223 3.171 4.424 7.535 31.207 22% | | | | | | | | | | | | | | | |
| 17 | 17.787 4.232 4.826 9.058 5.702 60% | | | | | | | | | | | | | 13.763 2.089 2.784 4.873 4.197 64% | | | | | | | | | | | | | | | |
| 18 | 15.675 2.808 3.992 6.800 4.912 62% | | | | | | | | | | | | | 30.470 3.055 4.618 7.663 10.446 24% | | | | | | | | | | | | | | | |
| 19 | 11.083 3.248 1.819 5.067 3.195 86% | | | | | | | | | | | | | 9.210 1.880 1.921 3.801 2.495 71% | | | | | | | | | | | | | | | |
| 20 | 14.486 4.240 5.643 9.863 4.488 63% | | | | | | | | | | | | | 10.592 950 2.714 3.864 2.978 69% | | | | | | | | | | | | | | | |
| 21 | 11.527 3.715 2.093 6.315 3.361 67% | | | | | | | | | | | | | 10.933 233 4.403 4.636 2.937 69% | | | | | | | | | | | | | | | |
| 22 | 12.740 1.361 4.510 5.871 3.815 65% | | | | | | | | | | | | | 14.161 2.143 1.765 3.908 4.346 64% | | | | | | | | | | | | | | | |
| 23 | 12.407 1.125 3.962 5.077 3.890 66% | | | | | | | | | | | | | 24.918 4.225 6.987 11.212 9.389 57% | | | | | | | | | | | | | | | |
| 24 | 50.212 3.309 8.500 11.809 17.829 23% | | | | | | | | | | | | | 33.698 3.202 6.378 9.580 11.653 24% | | | | | | | | | | | | | | | |
| 25 | 32.525 4.231 5.166 9.397 11.214 24% | | | | | | | | | | | | | 37.003 2.527 4.031 6.558 12.889 24% | | | | | | | | | | | | | | | |
| 26 | 82.366 1.245 3.939 5.184 29.855 23% | | | | | | | | | | | | | 78.637 2.056 3.966 6.022 21.640 22% | | | | | | | | | | | | | | | |
| 27 | 19.024 1.527 4.462 6.165 60% | | | | | | | | | | | | | 16.289 2.663 3.985 6.548 5.160 61% | | | | | | | | | | | | | | | |
| 28 | 44.197 4.240 8.465 12.705 15.580 23% | | | | | | | | | | | | | 59.588 4.225 4.648 8.873 21.936 23% | | | | | | | | | | | | | | | |
| 29 | 75.037 3.571 6.665 10.236 27.114 23% | | | | | | | | | | | | | 58.575 3.447 3.846 7.293 20.957 23% | | | | | | | | | | | | | | | |
| 30 | 78.349 1.708 3.955 5.663 28.353 23% | | | | | | | | | | | | | 27.099 3.430 4.007 7.437 9.185 25% | | | | | | | | | | | | | | | |
| 31 | 52.259 2.018 4.536 6.800 5.895 23% | | | | | | | | | | | | | 54.601 1.843 4.056 5.899 23.211 23% | | | | | | | | | | | | | | | |
| 32 | 31.317 1.391 3.958 5.349 10.763 24% | | | | | | | | | | | | | 25.100 3.000 4.007 7.007 8.437 25% | | | | | | | | | | | | | | | |
| 33 | 38.590 4.239 3.999 8.238 13.483 24% | | | | | | | | | | | | | 27.033 3.214 4.149 7.363 9.160 25% | | | | | | | | | | | | | | | |
| 34 | 23.843 2.329 3.702 6.031 7.967 57% | | | | | | | | | | | | | 23.778 3.164 4.424 7.588 7.943 57% | | | | | | | | | | | | | | | |
| 35 | 21.069 4.242 4.007 8.249 6.930 58% | | | | | | | | | | | | | 22.196 2.563 3.964 6.569 7.318 58% | | | | | | | | | | | | | | | |
| 36 | 16.544 4.232 1.789 6.021 5.237 61% | | | | | | | | | | | | | 19.067 4.225 3.411 7.636 6.181 60% | | | | | | | | | | | | | | | |
| 37 | 16.132 3.214 5.188 8.402 5.083 62% | | | | | | | | | | | | | 41.807 2.545 6.972 9.517 14.686 24% | | | | | | | | | | | | | | | |
| 38 | 32.762 4.246 7.539 11.795 11.303 24% | | | | | | | | | | | | | 22.154 3.330 4.493 7.823 7.336 58% | | | | | | | | | | | | | | | |
| 39 | 60.566 3.528 4.675 8.203 21.702 23% | | | | | | | | | | | | | 29.827 3.166 4.699 7.865 10.205 24% | | | | | | | | | | | | | | | |
| 40 | 64.731 4.293 3.909 8.202 23.259 23% | | | | | | | | | | | | | 57.518 3.221 3.934 7.155 20.562 23% | | | | | | | | | | | | | | | |
| 41 | 28.344 2.015 4.060 6.075 9.651 25% | | | | | | | | | | | | | 24.893 3.163 4.111 7.274 8.360 57% | | | | | | | | | | | | | | | |
| 42 | 57.158 1.998 4.636 6.634 20.427 23% | | | | | | | | | | | | | 49.536 3.164 4.689 7.849 17.576 23% | | | | | | | | | | | | | | | |
| 43 | 17.047 4.255 3.962 7.607 8.406 61% | | | | | | | | | | | | | 17.899 4.225 2.960 7.175 5.744 60% | | | | | | | | | | | | | | | |
| 44 | 63.748 3.466 4.675 8.141 22.892 23% | | | | | | | | | | | | | 36.676 2.069 4.699 6.768 12.767 24% | | | | | | | | | | | | | | | |
| 45 | 33.144 4.248 4.638 8.886 11.446 24% | | | | | | | | | | | | | 44.377 3.189 4.381 7.570 15.647 23% | | | | | | | | | | | | | | | |
| 46 | 62.798 2.860 4.460 6.900 22.356 23% | | | | | | | | | | | | | 48.107 3.164 4.424 7.588 7.943 57% | | | | | | | | | | | | | | | |
| 47 | 50.082 1.809 4.060 5.869 17.781 23% | | | | | | | | | | | | | 21.838 2.869 3.184 6.063 6.181 60% | | | | | | | | | | | | | | | |
| 48 | 87.274 3.754 7.357 11.111 9.250 25% | | | | | | | | | | | | | 20.550 2.523 4.064 6.587 7.110 58% | | | | | | | | | | | | | | | |
| 49 | 32.704 4.247 1.716 11.363 11.281 24% | | | | | | | | | | | | | 20.944 2.928 4.070 6.998 6.883 59% | | | | | | | | | | | | | | | |
| 50 | 30.011 1.135 8.590 13.265 24% | | | | | | | | | | | | | 26.265 3.219 4.340 7.557 8.072 25% | | | | | | | | | | | | | | | |
| 51 | 58.694 4.281 7.779 12.060 21.002 23% | | | | | | | | | | | | | 32.645 4.225 5.184 9.409 11.259 24% | | | | | | | | | | | | | | | |
| 52 | 17.842 1.996 4.638 6.634 5.723 60% | | | | | | | | | | | | | 15.544 2.869 3.374 6.243 4.863 62% | | | | | | | | | | | | | | | |
| 53 | 33.326 4.254 6.693 10.937 11.514 24% | | | | | | | | | | | | | 21.381 3.811 4.277 8.088 7.046 58% | | | | | | | | | | | | | | | |
| 54 | 26.777 2.036 4.422 6.401 11.247 23% | | | | | | | | | | | | | 26.835 2.042 4.374 7.317 8.439 23% | | | | | | | | | | | | | | | |
| 55 | 43.101 4.293 3.201 7.494 15.740 23% | | | | | | | | | | | | | 54.488 3.232 3.283 6.151 19.429 23% | | | | | | | | | | | | | | | |
| 56 | 56.470 1.995 4.060 6.055 20.170 23% | | | | | | | | | | | | | 36.789 2.870 4.111 6.981 12.809 24% | | | | | | | | | | | | | | | |
| 57 | 67.482 1.414 3.171 4.585 24.288 23% | | | | | | | | | | | | | 45.319 2.060 3.251 5.311 15.999 23% | | | | | | | | | | | | | | | |
| 58 | 57.565 1.213 4.060 5.273 20.579 23% | | | | | | | | | | | | | 47.717 1.248 4.111 6.981 12.809 24% | | | | | | | | | | | | | | | |
| 59 | 28.525 3.192 4.675 7.867 9.718 25% | | | | | | | | | | | | | 51.513 3.164 4.699 7.863 18.316 23% | | | | | | | | | | | | | | | |
| 60 | 25.083 3.931 4.638 8.569 8.431 25% | | | | | | | | | | | | | 32.930 2.870 4.355 7.225 11.366 24% | | | | | | | | | | | | | | | |
| 61 | 70.967 4.268 4.423 8.691 25.592 23% | | | | | | | | | | | | | 47.552 3.191 4.452 7.643 18.834 23% | | | | | | | | | | | | | | | |
| 62 | 41.926 2.117 4.377 6.494 14.730 24% | | | | | | | | | | | | | 34.721 3.447 4.424 7.871 12.036 24% | | | | | | | | | | | | | | | |
| 63 | 58.811 2.172 4.636 6.808 21.045 23% | | | | | | | | | | | | | 75.998 3.455 4.685 8.140 27.473 23% | | | | | | | | | | | | | | | |
| 64 | 20.229 4.239 4.437 8.476 6.616 59% | | | | | | | | | | | | | 18.356 2.026 4.179 6.205 5.915 60% | | | | | | | | | | | | | | | |
| 65 | 12.279 771 1.416 2.167 3.642 66% | | | | | | | | | | | | | 17.656 910 1.286 2.196 1.913 75% | | | | | | | | | | | | | | | |
| 66 | 51.370 1.781 7.938 9.659 19.292 23% | | | | | | | | | | | | | 46.722 2.155 3.905 6.020 16.524 23% | | | | | | | | | | | | | | | |
| 67 | 41.682 1.471 3.958 5.429 14.639 24% | | | | | | | | | | | | | 32.549 3.177 4.007 7.184 11.223 24% | | | | | | | | | | | | | | | |
| 68 | 71.932 874 3.768 4.642 25.953 23% | | | | | | | | | | | | | 36.480 1.847 3.344 5.191 12.694 24% | | | | | | | | | | | | | | | |
| 69 | 29.672 1.771 4.062 5.633 10.147 24% | | | | | | | | | | | | | 32.501 2.869 4.111 6.980 11.205 24% | | | | | | | | | | | | | | | |
| 70 | 65.945 2.278 6.620 8.698 4.630 23% | | | | | | | | | | | | | 69.897 2.983 4.644 7.607 24.889 23% | | | | | | | | | | | | | | | |
| 71 | 82.910 1.395 2.793 4.188 30.658 22% | | | | | | | | | | | | | 81.934 2.042 2.628 4.670 29.693 22% | | | | | | | | | | | | | | | |
| 72 | 37.282 1.495 3.847 5.342 12.993 24% | | | | | | | | | | | | | 36.503 3.148 4.007 7.155 12.702 24% | | | | | | | | | | | | | | | |
| 73 | 18.976 2.353 4.636 6.989 6.147 60% | | | | | | | | | | | | | 20.833 2.870 4.685 7.555 6.842 59% | | | | | | | | | | | | | | | |
| 74 | 96.755 4.245 7.568 11.813 35.236 22% | | | | | | | | | | | | | 72.539 3.981 4.180 8.161 28.180 23% | | | | | | | | | | | | | | | |
| 75 | 23.028 1.260 4.219 5.479 7.662 58% | | | | | | | | | | | | | 30.017 2.343 4.186 6.479 10.276 24% | | | | | | | | | | | | | | | |
| 76 | 18.164 4.245 2.700 6.945 5.943 60% | | | | | | | | | | | | | 11.108 2.052 1.960 3.912 3.204 69% | | | | | | | | | | | | | | | |
| 77 | 12.455 955 1.790 2.745 3.708 66% | | | | | | | | | | | | | 41.509 3.225 6.981 11.196 14.574 24% | | | | | | | | | | | | | | | |
| 78 | 16.696 1.220 6.469 7.689 5.294 61% | | | | | | | | | | | | | 14.588 2.217 3.562 5.779 4.506 63% | | | | | | | | | | | | | | | |
| 79 | 10.443 396 111 507 2.956 69% | | | | | | | | | | | | | 29.675 4.225 7.081 11.306 10.148 24% | | | | | | | | | | | | | | | |
| 80 | 32.538 622 7.465 8.077 11.219 24% | | | | | | | | | | | | | 20.106 1.965 6.277 8.242 6.570 59% | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | AS10 =Study 467 Flow DataI7E | | | | | | | | | | | | | BG10 =Study 467 Flow DataI7F | | | | | | | | | | | | | | | |
| 86 | AT10 =Study 467 Flow DataI7O | | | | | | | | | | | | | BH10 =Study 467 Flow DataI7P | | | | | | | | | | | | | | | |
| 87 | AU10 =Study 467 Flow DataI7Y | | | | | | | | | | | | | BI10 =Study 467 Flow DataI7Z | | | | | | | | | | | | | | | |
| 88 | AV10 =(AT10+AU10) | | | | | | | | | | | | | BJ10 =(BH10+BI10) | | | | | | | | | | | | | | | |
| 89 | AW10 =(AT10+AU10+AV10) | | | | | | | | | | | | | BK10 =(BH10+BI10+BJ10) | | | | | | | | | | | | | | | |
| 90 | AX10 =IF(AS10<SK54,(0.133*AS10+829),(AS10-AW10),(0.293*AS10+2090),(AS10-AW10)) | | | | | | | | | | | | | BL10 =IF(BG10<SK54,(0.133*BG10+829),(BG10-BK10),(0.293*BG10+2090),(BG10-BK10)) | | | | | | | | | | | | | | | |
| 91 | AY10 =(0.133*AS10+829),(AS10-AW10) | | | | | | | | | | | | | BM10 =(0.133*BG10+829),(BG10-BK10) | | | | | | | | | | | | | | | |
| 92 | AZ10 =IF(-2.45925+(0.0420748*SBCS2)-0.2.45925+(0.0420748*SBCS2),0) | | | | | | | | | | | | | BN10 =IF(-2.45925+(0.0420748*SBCS3)-0.2.45925+(0.0420748*SBCS3),0) | | | | | | | | | | | | | | | |
| 93 | BA10 =(0.5916024)+(0.017968*ST33)+(0.000054*AH10) | | | | | | | | | | | | | BO10 =(0.5916024)+(0.017968*ST33)+(0.000054*BJ10) | | | | | | | | | | | | | | | |
| 94 | BB10 =IF(-1.613493+(0.0319584*SBCS2)-0.1.613493+(0.0319584*SBCS2),0) | | | | | | | | | | | | | BP10 =IF(-1.613493+(0.0319584*SBCS3)-0.1.613493+(0.0319584*SBCS3),0) | | | | | | | | | | | | | | | |
| 95 | BC10 =(BA10+AY10)+(BB10+AY10) | | | | | | | | | | | | | BQ10 =(BM10+BY10)+(BN10+BY10) | | | | | | | | | | | | | | | |
| 96 | BD10 =(AZ10+BC10)-(AZ10+BC10) | | | | | | | | | | | | | BR10 =(BO10+BP10)-(BO10+BP10) | | | | | | | | | | | | | | | |
| 97 | BE10 =1-BD10 | | | | | | | | | | | | | BS10 =1-BR10 | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | BU10 =(O10*0.37)+(AC10*0.42)+(AQ10*0.13)+(BE10*0.05)+(BS10*0.03) | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | AVERAGE: 63.39% | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BO | BR | BS | BT | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 467 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | SUTTER & USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Flow CVP SWP exports Slough Q Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | CVP SWP exports Slough Q Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | temp m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 m13 m14 m15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | MAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Flow CVP SWP exports Slough Q Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | CVP SWP exports Slough Q Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | temp m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 m13 m14 m15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | JUNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Flow CVP SWP exports Slough Q Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CVP SWP exports Slough Q Percent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | temp m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 m13 m14 m15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | WEIGHTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Total Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Average 58.44% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | BG10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | BH10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | BI10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | BJ10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | BK10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | BL10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | BM10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | BN10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | BO10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | BP10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | BR10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | BS10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | BT10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | BV10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | BW10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | BX10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | BY10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | BZ10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | CA10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | CB10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | CC10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | CD10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | CE10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | CF10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | CG10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | CH10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | CI10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | CJ10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | CK10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | CL10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | CM10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | CN10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | CO10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | CP10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | CQ10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | CR10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | CS10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | CT10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | CU10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | CV10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | CW10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | CX10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | CY10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | CZ10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | DA10 = Study 467 Flow Data I07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| A | | B | | C | | D | | E | | F | | G | | H | | I | | J | | K | | L | | M | | N | | O | | P | | Q | | R | | S | | T | | U | | V | | W | | X | | Y | | Z | | AA | | AB | | AC | | AD | | AE | | AF | | AG | | AH | | AI | | AJ | | AK | | AL | | AM | | AN | | AO | | AP | | AQ | | AR | | AS | | AT | | AU | | AV | | AW | | AX | | AY | | AZ | | BA | | BB | | BC | | BD | | BE | | BF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 Study 469 Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Modified mt by changing the slope to 0.00034 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cross Channel Closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cross Channel Closed for 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cross Channel Closed For Apr when DOI greater than 12,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cross Channel Closed Over 25000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 February Water Temp 50 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | March Water Temp 55 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | February Water Temp 50 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 8 DECEMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | JANUARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | FEBRUARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | MARCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 Water Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | River Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | River Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | River Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 11 Flows | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 75 SVP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 SVP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 SVP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Slopts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 Formulas: Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | C10 = Study 467 Flow Data I/C7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Q10 = Study 467 Flow Data I/D7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AE10 = Study 467 Flow Data I/E7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AS10 = Study 467 Flow Data I/F7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | Study 469 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Apr to May 20, 14 of May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Suter & Suter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | Calculated Survival | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average: 59.78%

| | | | |
|-----|-------------------------------|-------------------------------|-------------------------------|
| 85 | BG10 = Study 467 Flow Data1G7 | BV10 = Study 467 Flow Data1H7 | CK10 = Study 467 Flow Data1I7 |
| 86 | BH10 = Study 467 Flow Data1A7 | BW10 = Study 467 Flow Data1R7 | CL10 = Study 467 Flow Data1S7 |
| 87 | BI10 = Study 467 Flow Data1A7 | BX10 = Study 467 Flow Data1B7 | CM10 = Study 467 Flow Data1C7 |
| 88 | BJ10 = Study 467 Flow Data1A7 | BY10 = Study 467 Flow Data1C7 | CN10 = Study 467 Flow Data1D7 |
| 89 | BK10 = Study 467 Flow Data1A7 | BZ10 = Study 467 Flow Data1D7 | CO10 = Study 467 Flow Data1E7 |
| 90 | BL10 = Study 467 Flow Data1A7 | CA10 = Study 467 Flow Data1E7 | CP10 = Study 467 Flow Data1F7 |
| 91 | BM10 = Study 467 Flow Data1A7 | CB10 = Study 467 Flow Data1F7 | CQ10 = Study 467 Flow Data1G7 |
| 92 | BN10 = Study 467 Flow Data1A7 | CC10 = Study 467 Flow Data1G7 | CR10 = Study 467 Flow Data1H7 |
| 93 | BO10 = Study 467 Flow Data1A7 | CD10 = Study 467 Flow Data1H7 | CS10 = Study 467 Flow Data1I7 |
| 94 | BP10 = Study 467 Flow Data1A7 | CE10 = Study 467 Flow Data1I7 | CT10 = Study 467 Flow Data1J7 |
| 95 | BO10 = Study 467 Flow Data1A7 | CF10 = Study 467 Flow Data1J7 | CU10 = Study 467 Flow Data1K7 |
| 96 | BR10 = Study 467 Flow Data1A7 | CG10 = Study 467 Flow Data1K7 | CV10 = Study 467 Flow Data1L7 |
| 97 | BS10 = Study 467 Flow Data1A7 | CH10 = Study 467 Flow Data1L7 | CW10 = Study 467 Flow Data1M7 |
| 98 | BT10 = Study 467 Flow Data1A7 | CI10 = Study 467 Flow Data1M7 | CX10 = Study 467 Flow Data1N7 |
| 99 | | | CY10 = Study 467 Flow Data1O7 |
| 100 | | | CZ10 = Study 467 Flow Data1P7 |

| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 501 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25.000 ds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Average 59.86%

| 1 Study 501A Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------|--|--|
| 2 Modified m2 by changing the slope to 0.000034 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Decemer Sacramento River Temp: 47 degrees F | | | | | | | | | | | | | 4 January Sacramento River Temp: 47 degrees F | | | | | | | | | | | 5 Cross Channel Closed Over 25000 cfs | | | 6 February Water Temp 50 F | | |
| 7 Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | | | | 8 January Sacramento River Temp: 47 degrees F | | | | | | | | | | | 9 Cross Channel Closed Over 12,000 cfs | | | 10 March Water Temp 55 F | | |
| 11 Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 DECEMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | Study 501A Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed Apr to May 20, 14 d May 21-Jun 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | SPRNL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Sac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Flows | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | CVP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | SWP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Exports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | SloUGH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | CVP + SWP + S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Stemboat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | temp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | m1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | m23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 91 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 95 | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Average: 60.47%

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| 84 | BG10 =Study 467 Flow DataIG7 | CK10 =Study 467 Flow DataI70 |
| 85 | BH10 =Study 467 Flow DataIG7 | CL10 =Study 467 Flow DataI57 |
| 86 | BI10 =Study 467 Flow DataIAA7 | CM10 =Study 467 Flow DataIAC7 |
| 87 | BJ10 =BG10+BI10 | CN10 =B10+CM10 |
| 88 | BK10 =0.374*BG10-950 | CO10 =0.374*CK10-950 |
| 89 | BL10 =IF(BG10>SG2,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | CP10 =IF(CK10>SK54,(0.133*CK10+829)/(CK10-CO10),(0.293*CK10+2090)/(CK10-CO10)) |
| 90 | BL10 =IF(BG10>SG2,(0.133*BG10+829)/(BG10-BK10),(0.293*BG10+2090)/(BG10-BK10)) | CQ10 =IF(CK10>SK54,(0.133*CK10+829)/(CK10-CO10),(0.293*CK10+2090)/(CK10-CO10)) |
| 91 | BM10 =((0.133*BG10+829)/(BG10-BK10)) | CR10 =IF(CQ10>SK54,(0.133*CQ10+829)/(CQ10-CR10),(0.293*CQ10+2090)/(CQ10-CR10)) |
| 92 | BN10 | CS10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) |
| 93 | BO10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) | CT10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) |
| 94 | BP10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) | CU10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) |
| 95 | BQ10 =1.613493*(0.0319584*BJ10)-1.1,(0.5916204+(0.077988*BN10)+(0.0000434*BU10)-1.1,(0.5916204+(0.077988*BN10)+(0.0000434*BU10)) | CV10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) |
| 96 | BR10 =BP10+BM10+(BO10-1+BM10)) | CW10 =IF((C2.45925+(0.0420748*CR10))<0.0,(C2.45925+(0.0420748*CR10)) |
| 97 | BS10 =BO10+BR10-(BO10*BR10) | CX10 =CS10+CW10-(CS10*CX10) |
| 98 | BT10 =1-BS10 | CY10 =1-CW10 |
| 99 | | CZ10 =((0.01*OT10)+(0.08*AC10)+(0.17*AQ10)+(0.28*BE10)+(0.25*BT10)+(0.16*CI10)+(0.07*CX10)) |

| Study 524 Sacramento River Spring Run YOY Smolt Survival Model | | December Sacramento River Temp: 47 degrees F | | | | | | | | | | January Sacramento River Temp: 47 degrees F | | | | | | | | | | Cross Channel Closed For 45 consecutive days, Dec 18-Jan 31 | | | | | | | | | | Cross Channel Closed Feb to Apr when DOI greater than 12,000 cfs | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Modified mt by changing the slope to 0.0000434 | | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | | | | | | | | Cross Channel Closed For 5000 cfs | | | | | | | | | | February Water Temp 50 F | | | | | | | | | |
| 1 | | 25,000 cfs | | | | | | | | | | | | | | | | | | | | 5000 cfs | | | | | | | | | | March Water Temp 55 F | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 81 | | Formulas: Sacramento River Spring Run Young of Year Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 85 | | C10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | Q10 =Study 467 Flow Data*I7 | | | | | | | | | | A10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 86 | | D10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | R10 =Study 467 Flow Data*I7 | | | | | | | | | | F10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 87 | | E10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | S10 =Study 467 Flow Data*I7 | | | | | | | | | | T10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 88 | | G10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | U10 =Study 467 Flow Data*I7 | | | | | | | | | | V10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 89 | | H10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | W10 =Study 467 Flow Data*I7 | | | | | | | | | | X10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 90 | | I10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | Y10 =Study 467 Flow Data*I7 | | | | | | | | | | Z10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 91 | | J10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AA10 =Study 467 Flow Data*I7 | | | | | | | | | | AB10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 92 | | K10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AC10 =Study 467 Flow Data*I7 | | | | | | | | | | AD10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 93 | | L10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AE10 =Study 467 Flow Data*I7 | | | | | | | | | | AF10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 94 | | M10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AG10 =Study 467 Flow Data*I7 | | | | | | | | | | AH10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 95 | | N10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AI10 =Study 467 Flow Data*I7 | | | | | | | | | | AJ10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 96 | | O10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AK10 =Study 467 Flow Data*I7 | | | | | | | | | | AL10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 97 | | P10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AM10 =Study 467 Flow Data*I7 | | | | | | | | | | AN10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 98 | | Q10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AO10 =Study 467 Flow Data*I7 | | | | | | | | | | AP10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 99 | | R10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AQ10 =Study 467 Flow Data*I7 | | | | | | | | | | AR10 =Study 467 Flow Data*I7 | | | | | | | | | |
| 100 | | S10 =Study 467 Flow Data*I7 | | | | | | | | | | | | | | | | | | | | AS10 =Study 467 Flow Data*I7 | | | | | | | | | | AT10 =Study 467 Flow Data*I7 | | | | | | | | | |

| Study 524 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| | | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BO | BR | BS | BT | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cross Channel closed over 25,000 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calculated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | CVP | | | | | | | | | | | | | | | | | | | CVP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | Flows | | | | | | | | | | | | | | | | | | | Flows | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | m123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BO | BR | BS | BT | BV | BW | BX | BY | BZ | CA | CB | CC | CD | CE | CF | CG | CH | CI | CJ | CK | CL | CM | CN | CO | CP | CQ | CR | CS | CT | CU | CV | CW | CX | CY | CZ | DA |
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| 1 | Study 526 Sacramento River Spring Run YOY Smolt Survival Model (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Cross Channel Closed Apr to May 20, 14 of May 21-Historical | | | | | | | | | | | | | | | | | | | | | Cross Channel closed over 25.000 cfs | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Sacramento River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | APRIL - Calculated | | | | | | | | | | | | | | | | | | | | | MAY | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Sac - Sutter & Steamboat | | | | | | | | | | | | | | | | | | | | | USBR | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | River | | | | | | | | | | | | | | | | | | | | | River | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Flows CVP SWP exports Slight O Percent | | | | | | | | | | | | | | | | | | | | | Flows CVP SWP exports Slight O Percent | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | CVP + SWP Steamboat | | | | | | | | | | | | | | | | | | | | | CVP + SWP S & S | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | X-Channel observed | | | | | | | | | | | | | | | | | | | | | X-channel observed | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Closed temp m1 m2 m3 m23 m123 | | | | | | | | | | | | | | | | | | | | | Closed temp m1 m2 m3 m23 m123 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | Calculated Mortality | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Survival | | | | | | | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Weighted Total Survival | | | | | | | | | | | | | | | | | | | | | Weighted Total Survival | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 22,916 4,189 4,189 8,378 7,933 29% | | | | | | | | | | | | | | | | | | | | | 46,658 4,189 8,363 11,162 16,425 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 23,688 4,041 4,041 8,082 7,909 25% | | | | | | | | | | | | | | | | | | | | | 14,367 4,041 3,135 7,176 4,423 63% | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 8,067 1,395 1,395 2,790 2,067 32% | | | | | | | | | | | | | | | | | | | | | 8,479 1,395 693 2,088 2,220 73% | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 22,661 3,475 3,475 6,950 7,521 25% | | | | | | | | | | | | | | | | | | | | | 12,938 3,475 3,227 6,002 3,563 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 19,982 3,211 3,211 6,422 6,523 26% | | | | | | | | | | | | | | | | | | | | | 14,139 3,211 2,489 5,700 4,338 64% | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 48,222 4,600 5,171 9,771 17,085 23% | | | | | | | | | | | | | | | | | | | | | 26,781 4,600 4,274 8,474 9,066 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 9,956 1,478 1,478 2,956 2,937 31% | | | | | | | | | | | | | | | | | | | | | 9,700 1,478 1,155 2,593 2,678 70% | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 12,640 1,956 1,956 3,912 3,777 28% | | | | | | | | | | | | | | | | | | | | | 12,028 1,956 1,734 3,730 3,548 66% | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 9,202 1,485 1,485 2,970 2,492 31% | | | | | | | | | | | | | | | | | | | | | 10,089 1,485 1,596 3,081 2,823 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 13,023 2,024 2,024 4,048 3,921 20% | | | | | | | | | | | | | | | | | | | | | 12,015 2,024 2,417 4,441 3,544 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 12,736 2,987 1,136 4,123 3,813 28% | | | | | | | | | | | | | | | | | | | | | 17,681 2,987 1,079 4,066 1,923 75% | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 12,856 1,790 1,790 3,580 3,858 28% | | | | | | | | | | | | | | | | | | | | | 8,886 1,790 1,440 3,230 2,377 72% | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 24,634 4,479 5,324 9,803 8,263 25% | | | | | | | | | | | | | | | | | | | | | 28,824 4,479 2,679 7,158 9,800 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 19,263 4,167 4,167 8,334 6,916 28% | | | | | | | | | | | | | | | | | | | | | 14,094 4,167 3,157 7,324 4,321 64% | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 23,257 2,988 4,997 7,985 7,748 25% | | | | | | | | | | | | | | | | | | | | | 15,219 2,988 4,089 7,077 5,116 62% | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 47,172 3,342 3,377 7,119 16,692 23% | | | | | | | | | | | | | | | | | | | | | 57,429 3,342 3,445 8,787 20,828 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 20,772 2,072 4,144 8,288 6,209 28% | | | | | | | | | | | | | | | | | | | | | 65,323 2,072 3,937 7,874 22,574 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 41,731 4,600 5,410 10,010 14,657 24% | | | | | | | | | | | | | | | | | | | | | 18,425 4,600 3,249 7,849 5,841 60% | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 42,372 4,600 4,708 9,308 14,897 24% | | | | | | | | | | | | | | | | | | | | | 39,485 4,600 5,119 9,719 13,817 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 43,308 4,600 5,046 9,646 15,247 23% | | | | | | | | | | | | | | | | | | | | | 36,037 4,600 3,963 10,563 12,528 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 19,263 4,081 5,062 8,143 10,048 24% | | | | | | | | | | | | | | | | | | | | | 58,825 4,081 5,062 8,143 10,048 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 8,823 2,124 2,124 4,248 2,724 30% | | | | | | | | | | | | | | | | | | | | | 9,807 2,124 1,870 3,994 2,381 72% | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 11,753 3,131 3,131 6,262 3,446 29% | | | | | | | | | | | | | | | | | | | | | 11,927 3,131 2,503 6,834 3,511 66% | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 12,226 2,980 2,980 5,960 3,623 29% | | | | | | | | | | | | | | | | | | | | | 13,701 2,980 2,637 5,617 4,174 64% | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 19,800 2,455 2,455 4,910 4,211 25% | | | | | | | | | | | | | | | | | | | | | 20,432 2,455 1,735 4,607 6,048 57% | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 22,793 3,390 3,390 6,780 5,751 25% | | | | | | | | | | | | | | | | | | | | | 24,032 3,390 3,557 6,947 8,038 57% | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 13,210 2,544 2,544 5,088 3,991 28% | | | | | | | | | | | | | | | | | | | | | 19,070 2,544 2,044 4,548 4,625 63% | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 19,263 3,124 3,124 6,248 6,254 28% | | | | | | | | | | | | | | | | | | | | | 15,648 3,124 2,801 5,925 4,502 62% | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 14,732 3,181 3,181 6,362 5,460 27% | | | | | | | | | | | | | | | | | | | | | 18,870 3,181 3,568 6,749 6,107 60% | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 56,648 3,673 4,166 7,839 2,106 23% | | | | | | | | | | | | | | | | | | | | | 59,653 3,673 3,270 6,843 21,327 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 16,177 2,825 2,825 5,650 5,237 23% | | | | | | | | | | | | | | | | | | | | | 26,888 2,825 3,853 6,878 9,099 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 39,968 4,540 4,540 9,080 13,961 24% | | | | | | | | | | | | | | | | | | | | | 61,931 4,540 4,487 8,977 8,668 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 4,783 1,836 1,836 3,672 3,953 30% | | | | | | | | | | | | | | | | | | | | | 11,273 1,836 1,974 3,813 3,266 67% | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 20,437 3,991 3,991 7,982 6,693 26% | | | | | | | | | | | | | | | | | | | | | 39,005 3,991 6,054 10,045 13,638 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 30,968 3,200 3,200 6,400 6,688 26% | | | | | | | | | | | | | | | | | | | | | 58,825 3,200 3,963 7,926 11,919 33% | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 52,394 4,420 5,062 9,482 18,604 23% | | | | | | | | | | | | | | | | | | | | | 43,486 4,420 6,033 12,033 15,314 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 10,480 1,892 1,892 3,784 2,970 30% | | | | | | | | | | | | | | | | | | | | | 14,242 1,892 1,844 3,786 2,575 71% | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 14,943 3,211 3,211 6,422 4,096 28% | | | | | | | | | | | | | | | | | | | | | 10,915 3,211 1,978 3,999 3,132 66% | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 12,764 1,710 1,710 3,420 3,311 28% | | | | | | | | | | | | | | | | | | | | | 38,489 1,710 1,451 3,221 2,298 73% | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 10,156 2,493 2,493 4,986 4,099 29% | | | | | | | | | | | | | | | | | | | | | 15,314 2,493 2,482 4,921 4,777 62% | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 69,458 4,600 5,211 10,422 15,047 23% | | | | | | | | | | | | | | | | | | | | | 29,094 4,600 4,724 9,448 13,600 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 9,593 1,756 1,756 3,512 3,288 31% | | | | | | | | | | | | | | | | | | | | | 59,323 1,756 1,940 3,896 3,190 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 45,179 4,334 4,334 8,668 12,507 23% | | | | | | | | | | | | | | | | | | | | | 24,929 4,334 5,184 9,369 11,627 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 16,758 2,811 2,811 5,622 3,517 27% | | | | | | | | | | | | | | | | | | | | | 14,339 2,811 2,351 4,612 4,488 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 39,925 3,518 4,949 8,467 13,982 24% | | | | | | | | | | | | | | | | | | | | | 47,910 3,518 5,445 8,983 15,801 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 15,958 2,620 2,620 5,240 4,871 27% | | | | | | | | | | | | | | | | | | | | | 10,802 2,620 1,942 4,291 3,090 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 44,787 3,338 4,166 7,504 15,800 23% | | | | | | | | | | | | | | | | | | | | | 45,533 3,338 5,026 8,364 16,079 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 16,591 3,299 3,299 6,598 5,258 27% | | | | | | | | | | | | | | | | | | | | | 12,155 3,299 2,988 6,257 3,596 66% | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 21,693 3,277 3,277 6,554 7,163 26% | | | | | | | | | | | | | | | | | | | | | 29,649 3,277 4,112 7,389 10,139 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 12,462 2,349 2,349 4,698 3,707 28% | | | | | | | | | | | | | | | | | | | | | 10,802 2,349 1,942 4,291 3,090 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 19,172 3,726 3,726 7,452 6,347 26% | | | | | | | | | | | | | | | | | | | | | 16,277 3,726 3,255 6,981 4,941 62% | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 33,208 4,600 5,011 10,111 11,470 24% | | | | | | | | | | | | | | | | | | | | | 26,945 4,600 4,815 9,216 9,127 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 25,763 4,600 4,693 9,293 8,895 25% | | | | | | | | | | | | | | | | | | | | | 28,542 4,600 4,936 9,536 9,725 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 8,434 641 2,361 3,002 2,578 30% | | | | | | | | | | | | | | | | | | | | | 10,566 641 1,567 2,208 2,811 70% | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 9,136 1,137 1,857 2,949 2,467 31% | | | | | | | | | | | | | | | | | | | | | 6,994 1,137 447 1,584 1,666 78% | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 39,125 3,440 4,079 7,519 13,989 24% | | | | | | | | | | | | | | | | | | | | | 21,066 3,440 4,109 7,549 9,925 59% | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 17,702 3,426 3,426 6,852 5,071 28% | | | | | | | | | | | | | | | | | | | | | 12,566 3,426 3,000 6,426 3,750 69% | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 19,818 2,942 3,952 6,894 6,462 26% | | | | | | | | | | | | | | | | | | | | | 17,747 2,942 3,954 6,896 4,577 63% | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 16,998 2,725 2,725 5,450 5,407 27% | | | | | | | | | | | | | | | | | | | | | 8,752 2,725 1,752 4,477 2,323 72% | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 15,308 3,374 5,569 8,943 27,413 23% | | | | | | | | | | | | | | | | | | | | | 38,489 3,374 6,846 10,219 13,422 24% | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 69,301 3,314 3,649 6,963 24,595 23% | | | | | | | | | | | | | | | | | | | | | 54,514 3,314 3,590 6,904 19,438 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 17,874 3,423 3,423 6,846 5,735 26% | | | | | | | | | | | | | | | | | | | | | 13,410 3,423 3,066 6,489 4,065 64% | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 12,328 2,043 2,043 4,086 3,661 28% | | | | | | | | | | | | | | | | | | | | | 13,150 2,043 2,122 4,165 3,968 65% | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 23,837 2,825 2,825 5,650 7,890 25% | | | | | | | | | | | | | | | | | | | | | 14,455 2,825 1,979 4,804 4,456 63% | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 12,444 236 3,298 3,534 3,704 28% | | | | | | | | | | | | | | | | | | | | | 7,899 236 1,372 1,609 1,809 70% | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 15,284 2,043 2,046 4,092 4,766 27% | | | | | | | | | | | | | | | | | | | | | 8,690 2,043 1,419 3,462 2,300 73% | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 12,482 1,869 1,869 3,738 3,718 28% | | | | | | | | | | | | | | | | | | | | | 6,001 1,869 1,316 3,185 2,416 72% | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | BG10 = Study 467 Flow Data IAG7 | | | | | | | | | | | | | | | | | | | | | BV10 = Study 467 Flow Data IAG7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | BH10 = Study 467 Flow Data IAG7 | | | | | | | | | | | | | | | | | | | | | BW10 = Study 467 Flow Data IAG7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | BI10 = Study 467 Flow Data IAG7 | | | | | | | | | | | | | | | | | | | | | BX10 = Study 467 Flow Data IAG7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | BJ10 = (BG10+BI10) | | | | | | | | | | | | | | | | | | | | | BY10 = (BG10+BX10) | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | BK10 = 0.374*BG10-950 | | | | | | | | | | | | | | | | | | | | | BZ10 = 0.374*BV10-950 | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | BL10 = (BG10+SGS2,(0.133*BG10+829),(BG10-BK10),(0.293*BG10+2090),(BG10-BK10)) | | | | | | | | | | | | | | | | | | | | | CA10 = (BG10+SKS4,(0.133*BV10+829),(BV10-BZ10),(0.293*BV10+2090),(BV10-BZ10)) | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | BM10 = (0.133*BG10+829),(BG10-BK10) | | | | | | | | | | | | | | | | | | | | | CB10 = (0.45*(0.133*BV10+829),(BV10-BZ10),(0.55*CA10)) | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | BN10 | | | | | | | | | | | | | | | | | | | | | CC10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | BO10 = F(-(2.45925+(0.0420748*BN10))-0.0,(-2.45925+(0.0420748*BN10))) | | | | | | | | | | | | | | | | | | | | | CD10 = F(-(2.45925+(0.0420748*CC10))-0.0,(-2.45925+(0.0420748*CC10))) | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | BP10 = F((0.591602+(0.017668*BN10)+(0.0000434*BJ10))-1.1,((0.591602+(0.017668*BN10)+(0.0000434*BJ10))) | | | | | | | | | | | | | | | | | | | | | CE10 = F((0.591602+(0.017668*BV10)+(0.0000434*BY10))-1.1,((0.591602+(0.017668*BV10)+(0.0000434*BY10))) | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | BO10 = 1.613493*(0.0319584*BN10) | | | | | | | | | | | | | | | | | | | | | CF10 = 1.613493*(0.0319584*BV10) | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | BR10 = (BP10*BM10+(BO10*1-BM10)) | | | | | | | | | | | | | | | | | | | | | CG10 = (CE10*CB10+(CF10*(1-CB10)) | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | BS10 = (BO10*BR10+(BO10*BR10)) | | | | | | | | | | | | | | | | | | | | | CH10 = (CO10*CV10+(CO10*CV10)) | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | BT10 = 1-BS10 | | | | | | | | | | | | | | | | | | | | | CI10 = 1-CH10 | | | | | | | | | | | | | | | | | | | | | | | | |
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| Study 526A Sacramento River Spring Run YOY Smolt Survival Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------|------|--------|-------|---------|----------|---------|---------|------|----------|-------|-----------|--|----------------------|--------|---------------------|--------|--------|--------|--------|------|---------|--|---------|--------|----------|--|-----------|--------|----------------------|--------|---------------------|--------|------|------|-------|-------|-------|-------|-------|-------|
| December Sacramento River Temp: | | | | | | | | | | | | | January Sacramento River Temp: | | | | | | | | | | February Water Temp | | | | 50 F | | | | | | | | | | | | | | |
| Modified m2 by changing the slope to 0.000344 | | | | | | | | | | | | | December Sacramento River Temp: | | | | | | | | | | January Sacramento River Temp: | | | | February Water Temp | | | | 50 F | | | | | | | | | | |
| Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | | | | Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | | | | | | | Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | 50 F | | | | | | | | | | |
| Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | | | | Cross Channel Closed when Sacramento River flow exceeds 25,000 cfs | | | | | | | | | | Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | Cross Channel Closed for 45 consecutive days Dec 18-Jan 31 | | | | 50 F | | | | | | | | | | |
| DECEMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water | | SAC | | CVP | | SWP | | SVP+SWP | | Stemboat | | X-channel | | Calculated Mortality | | Calculated Survival | | SAC | | CVP | | SWP | | SVP+SWP | | Stemboat | | X-channel | | Calculated Mortality | | Calculated Survival | | | | | | | | | |
| Year | River | Flow | CVP | SWP | SVP+SWP | Stemboat | percent | closed | m1 | m2 | m3 | m23 | m123 | m123 | m123 | m123 | m123 | River | Flow | CVP | SWP | SVP+SWP | Stemboat | percent | closed | m1 | m2 | m3 | m23 | m123 | m123 | m123 | m123 | | | | | | | | |
| 18 | 1922 | A | 17,208 | 4,207 | 9,877 | 13,885 | 5,486 | 61% | 0.45 | 0 | 0.860 | 0.000 | 0.391 | 0.391 | 69.9% | 32,280 | 4,207 | 9,877 | 13,885 | 5,486 | 61% | 0.45 | 0 | 0.860 | 0.000 | 0.391 | 0.391 | 69.9% | 32,280 | 4,207 | 9,877 | 13,885 | 5,486 | 61% | 0.45 | 0 | 0.860 | 0.000 | 0.391 | 0.391 | 69.9% |
| 19 | 1923 | B | 34,350 | 4,207 | 3,877 | 8,104 | 11,897 | 24% | 0.24 | 0.2 | 0.605 | 0.000 | 0.145 | 0.145 | 85.5% | 32,280 | 4,207 | 3,877 | 8,104 | 11,897 | 24% | 0.24 | 0.2 | 0.605 | 0.000 | 0.145 | 0.145 | 85.5% | 32,280 | 4,207 | 3,877 | 8,104 | 11,897 | 24% | 0.24 | 0.2 | 0.605 | 0.000 | 0.145 | 0.145 | 85.5% |
| 20 | 1924 | C | 13,877 | 3,747 | 6,818 | 10,365 | 4,240 | 64% | 0.48 | 0 | 0.703 | 0.000 | 0.335 | 0.335 | 66.5% | 16,881 | 4,207 | 6,883 | 10,900 | 4,541 | 63% | 0.27 | 0 | 0.728 | 0.000 | 0.199 | 0.199 | 80.1% | 17,817 | 4,218 | 4,926 | 9,144 | 5,714 | 60% | 0.26 | 0 | 0.704 | 0.000 | 0.186 | 0.186 | 81.4% |
| 21 | 1925 | D | 11,202 | 4,207 | 4,882 | 8,089 | 3,277 | 67% | 0.50 | 0 | 0.647 | 0.000 | 0.324 | 0.324 | 67.8% | 10,263 | 3,599 | 3,152 | 6,751 | 2,887 | 69% | 0.30 | 0 | 0.546 | 0.000 | 0.162 | 0.162 | 83.8% | 44,467 | 2,134 | 10,269 | 12,303 | 8,231 | 23% | 0.23 | 0 | 0.544 | 0.000 | 0.158 | 0.158 | 80.2% |
| 22 | 1926 | E | 12,986 | 4,207 | 2,884 | 7,091 | 3,907 | 65% | 0.48 | 0 | 0.561 | 0.000 | 0.271 | 0.271 | 72.9% | 16,881 | 4,207 | 9,379 | 13,556 | 6,093 | 60% | 0.26 | 0 | 0.843 | 0.000 | 0.220 | 0.220 | 78.0% | 35,783 | 4,230 | 10,299 | 14,529 | 12,433 | 24% | 0.24 | 0 | 0.937 | 0.000 | 0.224 | 0.224 | 77.6% |
| 23 | 1927 | F | 14,370 | 2,770 | 9,338 | 12,066 | 4,424 | 83% | 0.47 | 0 | 0.778 | 0.000 | 0.368 | 0.368 | 73.2% | 29,902 | 4,207 | 7,968 | 12,175 | 10,233 | 24% | 0.24 | 0 | 0.781 | 0.000 | 0.191 | 0.191 | 80.9% | 87,861 | 4,278 | 4,107 | 8,385 | 3,910 | 22% | 0.22 | 0.02 | 0.671 | 0.000 | 0.150 | 0.150 | 85.0% |
| 24 | 1928 | A | 16,447 | 4,207 | 5,062 | 9,269 | 5,201 | 61% | 0.46 | 0 | 0.655 | 0.000 | 0.300 | 0.300 | 70.0% | 26,188 | 4,207 | 3,637 | 7,844 | 8,834 | 25% | 0.25 | 0 | 0.593 | 0.000 | 0.146 | 0.146 | 85.2% | 29,407 | 4,822 | 4,737 | 6,199 | 9,674 | 25% | 0.25 | 0 | 0.576 | 0.000 | 0.142 | 0.142 | 85.8% |
| 25 | 1929 | C | 13,520 | 4,207 | 6,027 | 10,279 | 4,109 | 64% | 0.48 | 0 | 0.659 | 0.000 | 0.335 | 0.335 | 66.5% | 15,078 | 4,207 | 6,840 | 11,047 | 4,689 | 63% | 0.27 | 0 | 0.732 | 0.000 | 0.200 | 0.200 | 80.0% | 17,653 | 3,949 | 4,904 | 8,253 | 9,277 | 60% | 0.26 | 0 | 0.665 | 0.000 | 0.176 | 0.176 | 82.4% |
| 26 | 1930 | D | 14,496 | 4,207 | 6,335 | 10,542 | 4,472 | 63% | 0.47 | 0 | 0.710 | 0.000 | 0.335 | 0.335 | 66.5% | 20,821 | 4,207 | 8,662 | 13,889 | 6,837 | 59% | 0.26 | 0 | 0.855 | 0.000 | 0.220 | 0.220 | 78.0% | 15,731 | 2,421 | 3,891 | 6,622 | 4,933 | 62% | 0.27 | 0 | 0.594 | 0.000 | 0.161 | 0.161 | 83.9% |
| 27 | 1931 | C | 9,333 | 2,228 | 2,927 | 5,155 | 2,471 | 73% | 0.53 | 0 | 0.477 | 0.000 | 0.252 | 0.252 | 74.8% | 12,027 | 4,207 | 4,937 | 8,144 | 3,548 | 66% | 0.29 | 0 | 0.650 | 0.000 | 0.186 | 0.186 | 81.4% | 11,500 | 3,425 | 1,909 | 3,534 | 3,220 | 66% | 0.29 | 0 | 0.538 | 0.000 | 0.157 | 0.157 | 84.3% |
| 28 | 1932 | D | 14,673 | 4,207 | 6,891 | 11,898 | 4,536 | 63% | 0.47 | 0 | 0.613 | 0.000 | 0.362 | 0.362 | 61.8% | 17,275 | 4,207 | 10,244 | 14,451 | 5,511 | 61% | 0.27 | 0 | 0.860 | 0.000 | 0.234 | 0.234 | 76.6% | 14,442 | 4,241 | 5,075 | 9,256 | 4,451 | 64% | 0.28 | 0 | 0.709 | 0.000 | 0.195 | 0.195 | 80.5% |
| 29 | 1933 | C | 6,635 | 2,513 | 4,427 | 4,970 | 2,279 | 73% | 0.54 | 0 | 0.469 | 0.000 | 0.253 | 0.253 | 74.7% | 16,553 | 4,207 | 5,774 | 9,881 | 3,782 | 65% | 0.28 | 0 | 0.686 | 0.000 | 0.194 | 0.194 | 80.6% | 13,229 | 4,127 | 2,882 | 7,059 | 3,998 | 64% | 0.28 | 0 | 0.615 | 0.000 | 0.172 | 0.172 | 82.8% |
| 30 | 1934 | C | 12,528 | 4,207 | 5,535 | 9,742 | 3,735 | 66% | 0.49 | 0 | 0.676 | 0.000 | 0.330 | 0.330 | 67.0% | 12,164 | 4,207 | 8,304 | 12,511 | 5,092 | 62% | 0.27 | 0 | 0.796 | 0.000 | 0.214 | 0.214 | 80.6% | 12,796 | 1,280 | 5,255 | 8,055 | 3,836 | 66% | 0.28 | 0 | 0.559 | 0.000 | 0.158 | 0.158 | 84.2% |
| 31 | 1935 | B | 8,556 | 3,263 | 3,390 | 6,653 | 2,250 | 73% | 0.54 | 0 | 0.542 | 0.000 | 0.293 | 0.293 | 70.7% | 25,521 | 4,207 | 10,242 | 14,452 | 4,895 | 25% | 0.25 | 0 | 0.880 | 0.000 | 0.220 | 0.220 | 78.0% | 12,033 | 7,333 | 3,938 | 4,671 | 3,550 | 67% | 0.29 | 0 | 0.510 | 0.000 | 0.146 | 0.146 | 85.4% |
| 32 | 1936 | B | 9,547 | 3,263 | 2,964 | 6,217 | 2,621 | 71% | 0.52 | 0 | 0.523 | 0.000 | 0.274 | 0.274 | 72.6% | 32,137 | 4,207 | 10,253 | 14,460 | 11,069 | 24% | 0.24 | 0 | 0.880 | 0.000 | 0.213 | 0.213 | 78.7% | 49,713 | 4,243 | 10,299 | 14,542 | 17,643 | 23% | 0.23 | 0 | 0.588 | 0.000 | 0.218 | 0.218 | 78.2% |
| 33 | 1937 | B | 12,528 | 4,207 | 5,625 | 9,832 | 3,732 | 66% | 0.49 | 0 | 0.680 | 0.000 | 0.332 | 0.332 | 66.8% | 15,779 | 4,207 | 8,422 | 12,629 | 4,951 | 62% | 0.27 | 0 | 0.801 | 0.000 | 0.210 | 0.210 | 78.7% | 32,342 | 3,631 | 4,948 | 9,067 | 11,146 | 24% | 0.24 | 0 | 0.700 | 0.000 | 0.170 | 0.170 | 83.0% |
| 34 | 1938 | B | 45,937 | 4,207 | 6,474 | 10,881 | 16,230 | 23% | 0.23 | 0 | 0.716 | 0.000 | 0.167 | 0.167 | 83.3% | 31,443 | 4,207 | 3,233 | 7,440 | 10,810 | 24% | 0.24 | 0 | 0.576 | 0.000 | 0.140 | 0.140 | 86.0% | 82,366 | 1,228 | 3,900 | 5,126 | 29,855 | 22% | 0.22 | 0 | 0.529 | 0.000 | 0.119 | 0.119 | 88.1% |
| 35 | 1939 | D | 14,936 | 4,207 | 3,779 | 7,986 | 3,987 | 68% | 0.51 | 0 | 0.568 | 0.000 | 0.247 | 0.247 | 73.8% | 16,865 | 4,207 | 3,329 | 7,446 | 8,545 | 26% | 0.26 | 0 | 0.576 | 0.000 | 0.151 | 0.151 | 84.9% | 19,950 | 1,562 | 3,856 | 5,517 | 6,190 | 59% | 0.26 | 0 | 0.546 | 0.000 | 0.143 | 0.143 | 85.7% |
| 36 | 1940 | A | 7,841 | 1,427 | 2,675 | 4,103 | 1,993 | 75% | 0.56 | 0 | 0.431 | 0.000 | 0.239 | 0.239 | 76.1% | 23,610 | 4,207 | 10,222 | 14,433 | 7,843 | 57% | 0.25 | 0 | 0.880 | 0.000 | 0.222 | 0.222 | 77.8% | 43,518 | 4,238 | 6,518 | 10,767 | 15,326 | 23% | 0.23 | 0 | 0.774 | 0.000 | 0.182 | 0.182 | 81.1% |
| 37 | 1941 | A | 29,348 | 4,207 | 10,160 | 15,026 | 24% | 0.24 | 0 | 0.882 | 0.000 | 0.216 | 0.216 | 78.4% | 72,901 | 4,207 | 10,300 | 14,507 | 26,315 | 23% | 0.23 | 0 | 0.882 | 0.000 | 0.199 | 0.199 | 80.1% | 75,037 | 4,289 | 3,792 | 8,081 | 27,114 | 23% | 0.23 | 0 | 0.658 | 0.000 | 0.148 | 0.148 | 85.2% | |
| 38 | 1942 | B | 65,430 | 4,207 | 3,608 | 7,815 | 23,521 | 23% | 0.23 | 0 | 0.592 | 0.000 | 0.135 | 0.135 | 86.5% | 63,260 | 4,207 | 3,339 | 7,446 | 22,709 | 23% | 0.23 | 0 | 0.576 | 0.000 | 0.131 | 0.131 | 86.9% | 78,349 | 1,666 | 9,585 | 5,621 | 28,353 | 22% | 0.23 | 0 | 0.551 | 0.000 | 0.124 | 0.124 | 87.6% |
| 39 | 1943 | B | 28,806 | 4,207 | 3,779 | 7,986 | 3,987 | 68% | 0.51 | 0 | 0.568 | 0.000 | 0.247 | 0.247 | 73.8% | 50,266 | 4,207 | 3,329 | 7,446 | 10,763 | 23% | 0.23 | 0 | 0.579 | 0.000 | 0.133 | 0.133 | 86.7% | 25,929 | 1,996 | 4,055 | 6,001 | 18,595 | 23% | 0.23 | 0 | 0.567 | 0.000 | 0.131 | 0.131 | 86.9% |
| 40 | 1944 | D | 13,839 | 4,207 | 6,467 | 10,764 | 4,226 | 64% | 0.48 | 0 | 0.716 | 0.000 | 0.341 | 0.341 | 65.9% | 17,739 | 4,207 | 3,921 | 7,446 | 9,604 | 60% | 0.26 | 0 | 0.577 | 0.000 | 0.153 | 0.153 | 84.1% | 32,384 | 1,423 | 3,958 | 5,881 | 11,162 | 24% | 0.24 | 0 | 0.540 | 0.000 | 0.131 | 0.131 | 86.9% |
| 41 | 1945 | B | 18,883 | 4,207 | 7,947 | 12,148 | 4,936 | 62% | 0.46 | 0 | 0.780 | 0.000 | 0.360 | 0.360 | 64.0% | 11,141 | 4,207 | 4,262 | 8,128 | 4,339 | 64% | 0.28 | 0 | 0.649 | 0.000 | 0.179 | 0.179 | 87.2% | 38,492 | 4,120 | 3,941 | 8,061 | 13,446 | 23% | 0.24 | 0 | 0.657 | 0.000 | 0.156 | 0.156 | 84.4% |
| 42 | 1946 | B | 54,704 | 4,207 | 6,747 | 10,948 | 19,508 | 23% | 0.23 | 0 | 0.728 | 0.000 | 0.168 | 0.168 | 83.3% | 42,229 | 4,207 | 3,637 | 7,844 | 15,218 | 23% | 0.23 | 0 | 0.593 | 0.000 | 0.139 | 0.139 | 86.1% | 23,843 | 2,000 | 4,377 | 6,383 | 7,967 | 57% | 0.25 | 0 | 0.584 | 0.000 | 0.147 | 0.147 | 85.3% |
| 43 | 1947 | D | 14,989 | 4,207 | 6,029 | 10,836 | 5,069 | 65% | 0.45 | 0 | 0.653 | 0.000 | 0.365 | 0.365 | 64.5% | 14,763 | 4,207 | 4,832 | 9,039 | 4,579 | 63% | 0.27 | 0 | 0.645 | 0.000 | 0.177 | 0.177 | 84.7% | 21,136 | 1,416 | 3,945 | 8,421 | 8,956 | 58% | 0.26 | 0 | 0.658 | 0.000 | 0.168 | 0.168 | 83.2% |
| 44 | 194 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|--------|--------|-------|-------|--------|------|------|------|-------|-------|-------|-------|-------|---|--------|-------|-------|-------|--------|------|------|------|-------|-------|-------|-------|-------|-------|------------|----|----|----|--|--|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1 | Study 467 San Joaquin River Fall Run Salmon Smolt Survival Model WITH BARRIER | | | | | | | | | | | | | | | Old River Barrier Open above 7500.00 cfs at Vernalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Barrier at head of Old River from Apr 15 to May 15 | | | | | | | | | | | | | | | Consumptive Depletion for April 1053.00 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | Consumptive Depletion for May 1053.00 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Water Year APRIL | | | | | | | | | | | | | | | Calculated MAY | | | | | | | | | | | | | | | Calculated | | | | | | | | | | | | | | | Weighted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Year Vernalis CVP + SWP exports | | | | | | | | | | | | | | | Stockton Q UOldR Flow p3 Skin p2 UOldR Temp @ Jersey Pt m2 m3 m4 m234 | | | | | | | | | | | | | | | Survival | | | | | | | | | | | | | | | Survival (April + June) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Year Type Vernalis exports expv-cd | | | | | | | | | | | | | | | Stockton Q UOldR Flow p3 Skin p2 UOldR Temp @ Jersey Pt m2 m3 m4 m234 | | | | | | | | | | | | | | | s234 | | | | | | | | | | | | | | | s234 | | | | | | | | | | | | | | | total survival | | | | | | | | | | | | | | |
| 10 | 1922 | A | 5.697 | 9.546 | 1.685 | 3.571 | 2,126 | 0.63 | 0.37 | 60.2 | 0.947 | 0.755 | 0.623 | 0.349 | 0.826 | 17.4% | 4.180 | 5.985 | 1.443 | 2.485 | 1.695 | 0.59 | 0.41 | 66.6 | 0.960 | 0.863 | 0.700 | 0.542 | 0.902 | 9.8% | 13.2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 1923 | B | 4.487 | 10,100 | 2.267 | 2,735 | 1,752 | 0.61 | 0.39 | 59.7 | 0.958 | 0.793 | 0.682 | 0.348 | 0.857 | 14.3% | 3.389 | 5.985 | 1.777 | 1.983 | 1,416 | 0.58 | 0.42 | 66.0 | 0.968 | 0.870 | 0.736 | 0.507 | 0.911 | 8.9% | 11.3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 1924 | C | 1.697 | 5.71 | 0.343 | 1,125 | 572 | 0.66 | 0.34 | 60.6 | 0.993 | 0.796 | 0.796 | 0.000 | 0.863 | 13.7% | 1,236 | 4,017 | 3,335 | 656 | 580 | 0.53 | 0.47 | 63.9 | 0.993 | 0.878 | 0.830 | 0.284 | 0.932 | 6.8% | 9.9% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 1925 | D | 3.596 | 11,226 | 3,149 | 2,099 | 1,498 | 0.58 | 0.42 | 63.4 | 0.966 | 0.897 | 0.727 | 0.622 | 0.926 | 7.4% | 2,667 | 5.985 | 2,271 | 1,512 | 1,155 | 0.57 | 0.43 | 67.3 | 0.976 | 0.904 | 0.769 | 0.583 | 0.935 | 6.5% | 6.9% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 1926 | D | 3.092 | 10,739 | 3,509 | 1,772 | 1,321 | 0.57 | 0.43 | 63.4 | 0.971 | 0.900 | 0.751 | 0.597 | 0.930 | 7.0% | 2,098 | 5.985 | 2,896 | 1,146 | 952 | 0.55 | 0.45 | 67.3 | 0.982 | 0.915 | 0.795 | 0.583 | 0.945 | 5.5% | 6.2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1927 | W | 4.941 | 9,764 | 1,999 | 3,063 | 1,988 | 0.62 | 0.38 | 57.1 | 0.954 | 0.721 | 0.660 | 0.179 | 0.810 | 19.0% | 3,318 | 5.985 | 1,621 | 1,931 | 1,387 | 0.58 | 0.42 | 64.2 | 0.969 | 0.844 | 0.739 | 0.402 | 0.862 | 10.4% | 14.3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 1928 | A | 4.470 | 10,083 | 2,272 | 2,724 | 1,746 | 0.61 | 0.39 | 60.2 | 0.958 | 0.802 | 0.683 | 0.377 | 0.863 | 13.7% | 2,342 | 5.985 | 2,590 | 1,303 | 1,039 | 0.56 | 0.44 | 66.6 | 0.979 | 0.901 | 0.784 | 0.542 | 0.936 | 6.4% | 9.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 1929 | C | 2.033 | 5.395 | 2.695 | 1,211 | 822 | 0.60 | 0.40 | 60.6 | 0.986 | 0.824 | 0.790 | 0.161 | 0.889 | 11.1% | 1,513 | 4,375 | 2,954 | 822 | 691 | 0.54 | 0.46 | 63.9 | 0.990 | 0.873 | 0.818 | 0.302 | 0.926 | 7.4% | 9.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1930 | D | 2.168 | 9,344 | 4,374 | 1,186 | 981 | 0.55 | 0.45 | 63.4 | 0.981 | 0.902 | 0.792 | 0.526 | 0.938 | 6.2% | 1,545 | 5.985 | 3,955 | 791 | 754 | 0.51 | 0.49 | 67.3 | 0.988 | 0.925 | 0.820 | 0.583 | 0.956 | 4.4% | 5.2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 1931 | C | 1.597 | 4,269 | 2,728 | 948 | 648 | 0.59 | 0.41 | 60.6 | 0.991 | 0.829 | 0.809 | 0.104 | 0.895 | 10.5% | 1,220 | 4,326 | 3,641 | 635 | 584 | 0.52 | 0.48 | 63.9 | 0.993 | 0.882 | 0.831 | 0.300 | 0.935 | 6.5% | 8.3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1932 | D | 4.521 | 538 | 1,020 | 3,039 | 1,482 | 0.67 | 0.33 | 63.4 | 0.966 | 0.867 | 0.661 | 0.077 | 0.778 | 22.2% | 2,765 | 5.985 | 2,190 | 1,575 | 1,190 | 0.57 | 0.43 | 67.3 | 0.975 | 0.902 | 0.765 | 0.583 | 0.933 | 6.7% | 13.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 1933 | C | 2.302 | 1,765 | 0.777 | 1,500 | 802 | 0.65 | 0.35 | 60.6 | 0.986 | 0.770 | 0.770 | 0.000 | 0.845 | 15.5% | 1,756 | 4,472 | 2,593 | 976 | 781 | 0.56 | 0.44 | 63.9 | 0.987 | 0.866 | 0.807 | 0.300 | 0.920 | 8.0% | 11.4% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 1934 | C | 1.832 | 689 | 0.383 | 1,213 | 619 | 0.66 | 0.34 | 60.6 | 0.992 | 0.790 | 0.790 | 0.000 | 0.858 | 14.2% | 1,252 | 4,977 | 4,077 | 635 | 617 | 0.51 | 0.49 | 63.9 | 0.992 | 0.887 | 0.831 | 0.337 | 0.939 | 6.1% | 9.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 1935 | B | 7.243 | 11,142 | 1,545 | 4,572 | 2,671 | 0.63 | 0.37 | 59.7 | 0.930 | 0.732 | 0.552 | 0.402 | 0.805 | 19.5% | 6,066 | 5.985 | 0.962 | 3,998 | 2,368 | 0.61 | 0.38 | 66.0 | 0.939 | 0.810 | 0.714 | 0.507 | 0.860 | 14.0% | 16.5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 1936 | B | 6.420 | 9,781 | 1,531 | 4,054 | 2,366 | 0.63 | 0.37 | 59.7 | 0.939 | 0.726 | 0.589 | 0.332 | 0.804 | 19.6% | 4,359 | 5.985 | 1,363 | 2,600 | 1,759 | 0.60 | 0.40 | 66.0 | 0.958 | 0.848 | 0.892 | 0.507 | 0.862 | 10.8% | 14.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1937 | B | 7.932 | 9,579 | 1,212 | 1,873 | 6,059 | 0.24 | 0.76 | 59.7 | 0.829 | 0.826 | 0.743 | 0.322 | 0.828 | 17.2% | 8,132 | 5.985 | 0.739 | 2,160 | 5,971 | 0.27 | 0.73 | 66.0 | 0.831 | 0.853 | 0.723 | 0.507 | 0.840 | 16.0% | 16.5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 1938 | W | 18,049 | 7,714 | 0.428 | 5,163 | 12,886 | 0.29 | 0.71 | 57.1 | 0.624 | 0.546 | 0.510 | 0.075 | 0.602 | 39.8% | 24,265 | 5.985 | 0.247 | 7,221 | 17,044 | 0.30 | 0.70 | 64.2 | 0.499 | 0.619 | 0.364 | 0.402 | 0.535 | 46.5% | 43.5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 1939 | D | 2.891 | 7,983 | 2,792 | 1,716 | 1,175 | 0.59 | 0.41 | 63.4 | 0.975 | 0.867 | 0.755 | 0.457 | 0.911 | 8.9% | 1,952 | 4,993 | 2,600 | 1,084 | 867 | 0.56 | 0.44 | 67.3 | 0.984 | 0.906 | 0.799 | 0.532 | 0.941 | 5.9% | 7.3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 1940 | A | 6.470 | 10,285 | 1,597 | 4,073 | 2,397 | 0.63 | 0.37 | 60.2 | 0.939 | 0.747 | 0.587 | 0.387 | 0.818 | 18.2% | 4,635 | 5.985 | 1,300 | 2,778 | 1,857 | 0.60 | 0.40 | 66.6 | 0.955 | 0.853 | 0.679 | 0.542 | 0.894 | 10.6% | 14.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 1941 | W | 10,083 | 9,310 | 0.926 | 2,565 | 7,519 | 0.25 | 0.75 | 57.1 | 0.785 | 0.742 | 0.694 | 0.156 | 0.774 | 22.6% | 9,579 | 5.985 | 0.627 | 2,614 | 6,965 | 0.27 | 0.73 | 64.2 | 0.802 | 0.815 | 0.691 | 0.402 | 0.805 | 19.5% | 20.9% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1942 | W | 6,907 | 9,646 | 1,403 | 4,388 | 2,519 | 0.64 | 0.36 | 57.1 | 0.935 | 0.640 | 0.565 | 0.173 | 0.748 | 25.2% | 6,741 | 5.985 | 1,048 | 3,489 | 2,252 | 0.61 | 0.39 | 64.2 | 0.943 | 0.778 | 0.629 | 0.402 | 0.843 | 15.7% | 20.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 1943 | W | 7,915 | 9,663 | 1,226 | 1,863 | 6,053 | 0.24 | 0.76 | 57.1 | 0.629 | 0.789 | 0.744 | 0.174 | 0.819 | 18.1% | 16,164 | 5.985 | 0.976 | 3,761 | 2,403 | 0.61 | 0.39 | 64.2 | 0.938 | 0.766 | 0.609 | 0.402 | 0.833 | 16.7% | 17.3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 1944 | D | 3.429 | 9,579 | 2,820 | 2,033 | 1,395 | 0.59 | 0.41 | 63.4 | 0.969 | 0.876 | 0.732 | 0.538 | 0.914 | 8.6% | 2,570 | 4,993 | 1,967 | 1,462 | 1,088 | 0.58 | 0.42 | 67.3 | 0.978 | 0.893 | 0.771 | 0.532 | 0.929 | 7.1% | 7.8% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 1945 | B | 6.537 | 9,764 | 1,501 | 4,134 | 2,403 | 0.63 | 0.37 | 59.7 | 0.938 | 0.721 | 0.583 | 0.331 | 0.801 | 19.9% | 4,180 | 5,855 | 1,411 | 2,489 | 1,690 | 0.60 | 0.40 | 66.0 | 0.960 | 0.850 | 0.700 | 0.500 | 0.894 | 10.6% | 14.8% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 1946 | B | 4.924 | 10,100 | 2,064 | 3,031 | 1,893 | 0.62 | 0.38 | 59.7 | 0.958 | 0.779 | 0.661 | 0.348 | 0.846 | 15.4% | 3,708 | 5,562 | 1,513 | 2,195 | 1,513 | 0.59 | 0.41 | 66.0 | 0.965 | 0.856 | 0.720 | 0.485 | 0.901 | 9.9% | 12.4% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1947 | D | 2.252 | 10,134 | 4,564 | 1,220 | 1,032 | 0.54 | 0.46 | 63.4 | 0.979 | 0.909 | 0.790 | 0.567 | 0.941 | 5.9% | 1,675 | 4,993 | 3,038 | 907 | 769 | 0.54 | 0.46 | 67.3 | 0.987 | 0.912 | 0.812 | 0.532 | 0.947 | 5.3% | 5.6% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 1948 | B | 3.647 | 11,092 | 3,068 | 2,137 | 1,510 | 0.59 | 0.41 | 59.7 | 0.965 | 0.834 | 0.725 | 0.399 | 0.889 | 11.1% | 2,929 | 5.985 | 2,102 | 1,648 | 1,230 | 0.57 | 0.43 | 66.0 | 0.974 | 0.881 | 0.759 | 0.507 | 0.921 | 7.9% | 9.4% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 1949 | D | 2.975 | 9,814 | 3,335 | 1,719 | 1,256 | 0.58 | 0.42 | 63.4 | 0.973 | 0.889 | 0.754 | 0.550 | 0.925 | 7.5% | 2,212 | 5.985 | 2,745 | 1,219 | 992 | 0.55 | 0.45 | 67.3 | 0.981 | 0.912 | 0.790 | 0.583 | 0.943 | 5.7% | 6.5% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 1950 | B | 3.042 | 10,067 | 3,344 | 1,757 | 1,285 | 0.58 | 0.42 | 59.7 | 0.972 | 0.838 | 0.752 | 0.347 | 0.894 | 10.6% | 2,212 | 5.985 | 2,745 | 1,219 | 992 | 0.55 | 0.45 | 66.0 | 0.981 | 0.896 | 0.790 | 0.507 | 0.934 | 6.6% | 8.4% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 1951 | A | 3.563 | 9,092 | 2,575 | 2,139 | 1,424 | 0.60 | 0.40 | 60.2 | 0.968 | 0.814 | 0.724 | 0.326 | 0.876 | 12.4% | 2,862 | 5.985 | 2,114 | 1,638 | 1,225 | 0.57 | 0.43 | 66.6 | 0.974 | 0.890 | 0.760 | 0.542 | 0.926 | 7.4% | 9.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 1952 | D | 2,269 | 9,687 | 3,965 | 1,328 | 941 | 0.59 | 0.41 | 63.4 | 0.982 | 0.869 | 0.762 | 0.399 | 0.916 | 8.4% | 1,943 | 4,993 | 3,099 | 896 | 757 | 0.54 | 0.46 | 67.3 | 0.988 | 0.913 | 0.813 | 0.532 | 0.947 | 6.3% | 6.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 1953 | W | 2,857 | 9,764 | 3,456 | 1,641 | 1,216 | 0.57 | 0.43 | 57.1 | 0.974 | 0.803 | 0.760 | 0.179 | 0.876 | 12.4% | 2,277 | 5.985 | 0.388 | 4,461 | 11,005 | 0.29 | 0.71 | 64.2 | 0.860 | 0.737 | 0.560 | 0.402 | 0.897 | 3.0% | 27.6% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 1954 | A | 3,949 | 10,386 | 2,651 | 2,363 | 1,587 | 0.60 | 0.40 | 60.2 | 0.963 | 0.823 | 0.709 | 0.392 | 0.879 | 12.1% | 2,505 | 5,822 | 2,354 | 1,413 | 1,092 | 0.56 | 0.44 | 66.6 | 0.978 | 0.896 | 0.778 | 0.534 | 0.931 | 6.9% | 9.2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 1955 | D | 2,286 | 9,008 | 3,996 | 1,276 | 1,010 | 0.56 | 0.44 | 63.4 | 0.980 | 0.895 | 0.786 | 0.509 | 0.933 | 6.7% | 1,804 | 4,993 | 2,557 | 1,105 | 879 | 0.56 | 0.44 | 67.3 | 0.984 | 0.905 | 0.798 | 0.532 | 0.940 | 6.0% | 6.3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 1956 | W | 4,790 | 10,386 | 2,183 | 2,932 | 1,858 | 0.61 | 0.39 | 57.1 | 0.955 | 0.738 | 0.668 | 0.211 | 0.822 | 17.8% | 6,131 | 5.985 | 0.981 | 3,740 | 2,391 | 0.61 | 0.39 | 64.2 | 0.939 | 0.767 | 0.611 | 0.402 | 0.834 | 16.6% | 17.1% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 1957 | A | 2,706 | 10,184 | 3,808 | 1,526 | 1,180 | 0.56 | 0.44 | 60.2 | 0.975 | 0.857 | 0.768 | 0.382 | 0.908 | 9.2% | 4,233 | 5.985 | 2,502 | 1,355 | 1,068 | 0.56 | 0.44 | 66.6 | 0.978 | 0.899 | 0.780 | 0.542 | 0.934 | 6.6% | 7.7% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 1958 | W | 14,907 | 9,663 | 0.650 | 4,056 | 10,851 | 0.27 | 0.73 | 57.1 | 0.685 | 0.660 | 0.588 | 0.174 | 0.678 | 32.2% | 13,190 | 5.985 | 0.455 | 3,747 | 9,443 | 0.28 | 0.72 | 64.2 | 0.727 | 0.767 | 0.610 | 0.402 | 0.738 | 26.2% | 28.9% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 1959 | B | 2,218 | 8,470 | 3,873 | 1,246 | 972 | 0.56 | 0.44 | 59.7 | 0.981 | 0.844 | 0.788 | 0.265 | 0.904 | 9.6% | 1,594 | 4,993 | 3,196 | 854 | 740 | 0.54 | 0.46 | 66.0 | 0.988 | 0.900 | 0.816 | 0.456 | 0.941 | 5.9% | 7.6% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 1960 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL |
|----|---|------------|-------------|-----------|----------|-----------------------|------------|--------|----------|------------------|----------------------|-------|-------|-------|---------------------|--|-----------|----------|-----------------------|------------|--------|----------|------------------|----------------------|-------|-------|-------|---------------------|----------------------------------|----------------|-------|----|----|----|
| 1 | Study 468 San Joaquin River Fall Run Salmon Smolt Survival Model WITH BARRIER | | | | | | | | | | | | | | | Old River Barrier Open above 7500.00 cfs at Vernalis | | | | | | | | | | | | | | | | | | |
| 2 | Barrier at head of Old River from Apr 15 to May 15 | | | | | | | | | | | | | | | Consumptive Depletion for April 1053.00 cfs | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | Consumptive Depletion for May 1053.00 cfs | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Year | Water Year | APRIL Flows | CVP + SWP | exp/v-cd | Calculated Stockton Q | UoIdR Flow | p3 Skn | p2 UoIdR | Temp @ Jersey Pt | Calculated Mortality | m3 | m4 | m234 | Calculated Survival | MAY Vernalis | CVP + SWP | exp/v-cd | Calculated Stockton Q | UoIdR Flow | p3 Skn | p2 UoIdR | Temp @ Jersey Pt | Calculated Mortality | m3 | m4 | m234 | Calculated Survival | Weighted Survival (April + June) | total survival | | | | |
| 7 | Year | Type | Flows | Exports | exp/v-cd | Stockton Q | UoIdR Flow | p3 Skn | p2 UoIdR | Temp @ Jersey Pt | Calculated Mortality | m3 | m4 | m234 | Calculated Survival | MAY Vernalis | CVP + SWP | exp/v-cd | Stockton Q | UoIdR Flow | p3 Skn | p2 UoIdR | Temp @ Jersey Pt | Calculated Mortality | m3 | m4 | m234 | Calculated Survival | Weighted Survival (April + June) | total survival | | | | |
| 8 | 1922 | A | 6,201 | 8,369 | 1,357 | 3,947 | 2,254 | 0.64 | 0.36 | 60.2 | 0.943 | 0.713 | 0.596 | 0.289 | 0.797 | 20.3% | 5,936 | 6,685 | 1,471 | 3,527 | 2,409 | 0.59 | 0.41 | 66.6 | 0.938 | 0.880 | 0.626 | 0.680 | 0.904 | 9.6% | 14.5% | | | |
| 9 | 1923 | B | 5,344 | 7,932 | 1,493 | 3,380 | 1,965 | 0.63 | 0.37 | 60.7 | 0.952 | 0.723 | 0.636 | 0.288 | 0.807 | 19.3% | 5,156 | 6,245 | 1,219 | 3,104 | 2,051 | 0.60 | 0.40 | 66.0 | 0.949 | 0.835 | 0.656 | 0.520 | 0.880 | 12.0% | 15.3% | | | |
| 10 | 1924 | C | 1,983 | 2,790 | 1,430 | 1,254 | 729 | 0.63 | 0.37 | 60.6 | 0.989 | 0.793 | 0.787 | 0.028 | 0.865 | 13.5% | 1,870 | 781 | 0.425 | 1,169 | 701 | 0.62 | 0.38 | 63.9 | 0.989 | 0.818 | 0.793 | 0.119 | 0.882 | 11.8% | 12.5% | | | |
| 11 | 1925 | D | 3,983 | 6,958 | 1,761 | 2,486 | 1,497 | 0.62 | 0.38 | 63.4 | 0.966 | 0.821 | 0.700 | 0.405 | 0.875 | 12.5% | 3,822 | 5,042 | 1,330 | 2,286 | 1,536 | 0.60 | 0.40 | 67.3 | 0.964 | 0.867 | 0.714 | 0.535 | 0.906 | 9.4% | 10.8% | | | |
| 12 | 1926 | D | 3,664 | 6,655 | 1,832 | 2,279 | 1,385 | 0.62 | 0.38 | 63.4 | 0.969 | 0.826 | 0.715 | 0.389 | 0.880 | 12.0% | 3,546 | 4,879 | 1,389 | 2,113 | 1,432 | 0.60 | 0.40 | 67.3 | 0.967 | 0.870 | 0.726 | 0.527 | 0.910 | 9.0% | 10.4% | | | |
| 13 | 1927 | W | 5,344 | 8,100 | 1,525 | 3,375 | 1,969 | 0.63 | 0.37 | 57.1 | 0.951 | 0.671 | 0.637 | 0.094 | 0.774 | 22.6% | 5,156 | 6,377 | 1,625 | 3,036 | 2,119 | 0.59 | 0.41 | 64.2 | 0.947 | 0.838 | 0.661 | 0.521 | 0.892 | 11.8% | 16.6% | | | |
| 14 | 1928 | A | 4,470 | 7,630 | 1,719 | 1,674 | 1,674 | 0.63 | 0.37 | 60.2 | 0.960 | 0.759 | 0.678 | 0.252 | 0.834 | 16.6% | 4,322 | 6,375 | 1,682 | 2,242 | 1,580 | 0.59 | 0.41 | 66.6 | 0.963 | 0.876 | 0.717 | 0.562 | 0.912 | 8.8% | 12.3% | | | |
| 15 | 1929 | C | 2,017 | 2,353 | 1,185 | 1,289 | 727 | 0.64 | 0.36 | 60.6 | 0.989 | 0.786 | 0.785 | 0.060 | 0.859 | 14.1% | 1,870 | 3,058 | 1,663 | 1,095 | 775 | 0.59 | 0.41 | 63.9 | 0.987 | 0.846 | 0.799 | 0.235 | 0.904 | 9.5% | 11.6% | | | |
| 16 | 1930 | D | 2,420 | 3,899 | 1,632 | 1,517 | 903 | 0.63 | 0.37 | 63.4 | 0.983 | 0.826 | 0.769 | 0.249 | 0.885 | 11.5% | 1,870 | 3,513 | 1,911 | 1,080 | 790 | 0.58 | 0.42 | 67.3 | 0.987 | 0.891 | 0.800 | 0.457 | 0.932 | 6.8% | 8.9% | | | |
| 17 | 1931 | C | 1,983 | 2,958 | 1,516 | 1,249 | 734 | 0.63 | 0.37 | 60.6 | 0.988 | 0.795 | 0.788 | 0.037 | 0.867 | 13.3% | 1,870 | 2,797 | 1,521 | 1,103 | 767 | 0.59 | 0.41 | 63.9 | 0.987 | 0.843 | 0.798 | 0.222 | 0.902 | 9.8% | 11.4% | | | |
| 18 | 1932 | D | 4,504 | 5,378 | 1,202 | 2,885 | 1,618 | 0.64 | 0.36 | 63.4 | 0.962 | 0.778 | 0.671 | 0.324 | 0.844 | 15.6% | 3,871 | 4,847 | 1,262 | 2,323 | 1,547 | 0.60 | 0.40 | 67.3 | 0.964 | 0.863 | 0.711 | 0.525 | 0.903 | 9.7% | 12.3% | | | |
| 19 | 1933 | C | 2,807 | 4,134 | 1,490 | 1,772 | 1,034 | 0.63 | 0.37 | 60.6 | 0.979 | 0.775 | 0.751 | 0.097 | 0.850 | 15.0% | 2,683 | 2,700 | 1,018 | 1,630 | 1,054 | 0.61 | 0.39 | 63.9 | 0.979 | 0.813 | 0.761 | 0.217 | 0.878 | 12.2% | 13.5% | | | |
| 20 | 1934 | C | 1,983 | 3,563 | 1,826 | 1,231 | 752 | 0.62 | 0.38 | 60.6 | 0.988 | 0.803 | 0.789 | 0.068 | 0.873 | 12.7% | 1,870 | 2,944 | 1,601 | 1,099 | 772 | 0.59 | 0.41 | 63.9 | 0.987 | 0.845 | 0.798 | 0.229 | 0.903 | 9.7% | 11.0% | | | |
| 21 | 1935 | B | 7,226 | 9,092 | 1,264 | 4,621 | 2,606 | 0.64 | 0.36 | 59.7 | 0.932 | 0.682 | 0.548 | 0.297 | 0.773 | 22.7% | 6,050 | 5,465 | 0.908 | 3,705 | 2,345 | 0.61 | 0.39 | 66.0 | 0.940 | 0.799 | 0.613 | 0.480 | 0.854 | 14.6% | 18.3% | | | |
| 22 | 1936 | B | 6,403 | 8,369 | 1,314 | 4,084 | 2,190 | 0.64 | 0.36 | 59.7 | 0.941 | 0.734 | 0.586 | 0.260 | 0.783 | 21.7% | 5,156 | 6,341 | 1,270 | 3,102 | 2,054 | 0.60 | 0.40 | 66.0 | 0.949 | 0.836 | 0.656 | 0.524 | 0.891 | 11.9% | 16.3% | | | |
| 23 | 1937 | B | 7,932 | 8,050 | 1,019 | 1,969 | 5,963 | 0.25 | 0.75 | 59.7 | 0.832 | 0.801 | 0.737 | 0.244 | 0.824 | 17.6% | 8,132 | 6,733 | 0.831 | 2,114 | 6,018 | 0.26 | 0.74 | 66.0 | 0.830 | 0.876 | 0.726 | 0.545 | 0.842 | 15.8% | 18.6% | | | |
| 24 | 1938 | W | 18,049 | 8,420 | 0,467 | 5,119 | 12,930 | 0.28 | 0.72 | 57.1 | 0.623 | 0.567 | 0.513 | 0.111 | 0.607 | 39.3% | 23,972 | 9,449 | 0.395 | 6,913 | 17,059 | 0.29 | 0.71 | 64.2 | 0.499 | 0.741 | 0.386 | 0.578 | 0.569 | 43.1% | 41.4% | | | |
| 25 | 1939 | D | 2,891 | 4,134 | 1,446 | 1,829 | 1,062 | 0.63 | 0.37 | 63.4 | 0.979 | 0.813 | 0.746 | 0.261 | 0.874 | 12.6% | 2,683 | 3,480 | 1,312 | 1,604 | 1,079 | 0.60 | 0.40 | 67.3 | 0.978 | 0.871 | 0.762 | 0.455 | 0.914 | 8.6% | 10.4% | | | |
| 26 | 1940 | A | 5,663 | 8,268 | 1,468 | 3,586 | 2,077 | 0.63 | 0.37 | 60.2 | 0.948 | 0.729 | 0.622 | 0.284 | 0.810 | 19.0% | 5,156 | 6,278 | 1,225 | 3,103 | 2,052 | 0.60 | 0.40 | 66.6 | 0.949 | 0.848 | 0.656 | 0.557 | 0.888 | 11.2% | 14.7% | | | |
| 27 | 1941 | W | 10,083 | 9,310 | 0,926 | 2,565 | 7,519 | 0.25 | 0.75 | 57.1 | 0.785 | 0.742 | 0.694 | 0.156 | 0.774 | 22.6% | 9,579 | 9,726 | 1,019 | 2,381 | 7,198 | 0.25 | 0.75 | 64.2 | 0.794 | 0.881 | 0.707 | 0.593 | 0.816 | 18.4% | 20.3% | | | |
| 28 | 1942 | W | 6,907 | 8,907 | 1,295 | 4,410 | 2,497 | 0.64 | 0.36 | 57.1 | 0.936 | 0.622 | 0.563 | 0.135 | 0.736 | 26.4% | 5,936 | 6,885 | 1,471 | 3,527 | 2,409 | 0.59 | 0.41 | 64.2 | 0.938 | 0.828 | 0.626 | 0.539 | 0.873 | 12.7% | 18.9% | | | |
| 29 | 1943 | W | 7,915 | 9,462 | 1,200 | 1,875 | 6,040 | 0.24 | 0.76 | 57.1 | 0.829 | 0.785 | 0.743 | 0.164 | 0.819 | 18.1% | 6,180 | 8,327 | 1,354 | 3,695 | 2,485 | 0.60 | 0.40 | 64.2 | 0.938 | 0.815 | 0.614 | 0.521 | 0.864 | 13.6% | 15.6% | | | |
| 30 | 1944 | D | 3,428 | 4,235 | 1,247 | 2,190 | 1,238 | 0.64 | 0.36 | 63.4 | 0.973 | 0.795 | 0.721 | 0.266 | 0.859 | 11.4% | 2,976 | 3,741 | 1,270 | 1,784 | 1,192 | 0.60 | 0.40 | 67.3 | 0.975 | 0.867 | 0.750 | 0.469 | 0.910 | 9.0% | 11.3% | | | |
| 31 | 1945 | B | 5,781 | 6,252 | 1,087 | 3,725 | 2,056 | 0.64 | 0.36 | 59.7 | 0.949 | 0.671 | 0.612 | 0.152 | 0.770 | 23.0% | 3,871 | 5,237 | 1,364 | 2,311 | 1,560 | 0.60 | 0.40 | 66.0 | 0.964 | 0.847 | 0.712 | 0.469 | 0.894 | 10.6% | 16.2% | | | |
| 32 | 1946 | B | 5,344 | 5,949 | 1,120 | 3,438 | 1,906 | 0.64 | 0.36 | 59.7 | 0.953 | 0.683 | 0.632 | 0.137 | 0.779 | 22.1% | 3,871 | 5,269 | 1,373 | 2,310 | 1,561 | 0.60 | 0.40 | 66.0 | 0.964 | 0.848 | 0.712 | 0.471 | 0.894 | 10.6% | 15.7% | | | |
| 33 | 1947 | D | 3,664 | 4,907 | 1,351 | 2,330 | 1,334 | 0.64 | 0.36 | 63.4 | 0.970 | 0.798 | 0.711 | 0.300 | 0.861 | 13.9% | 2,683 | 3,480 | 1,312 | 1,604 | 1,079 | 0.60 | 0.40 | 67.3 | 0.978 | 0.871 | 0.762 | 0.455 | 0.914 | 8.6% | 11.0% | | | |
| 34 | 1948 | B | 3,983 | 6,823 | 1,727 | 2,490 | 1,493 | 0.63 | 0.37 | 59.7 | 0.966 | 0.754 | 0.700 | 0.181 | 0.833 | 16.7% | 3,822 | 4,766 | 2,025 | 2,200 | 1,622 | 0.58 | 0.42 | 66.0 | 0.962 | 0.886 | 0.720 | 0.593 | 0.918 | 8.2% | 12.0% | | | |
| 35 | 1949 | D | 3,983 | 5,075 | 1,284 | 2,541 | 1,442 | 0.64 | 0.36 | 63.4 | 0.967 | 0.790 | 0.696 | 0.309 | 0.854 | 14.6% | 2,976 | 4,749 | 1,613 | 1,751 | 1,225 | 0.59 | 0.41 | 67.3 | 0.974 | 0.881 | 0.752 | 0.520 | 0.919 | 8.1% | 11.0% | | | |
| 36 | 1950 | B | 3,983 | 6,252 | 1,582 | 2,507 | 1,476 | 0.63 | 0.37 | 59.7 | 0.966 | 0.744 | 0.698 | 0.152 | 0.826 | 17.4% | 3,822 | 5,269 | 1,390 | 2,278 | 1,544 | 0.60 | 0.40 | 66.0 | 0.964 | 0.849 | 0.715 | 0.471 | 0.895 | 10.5% | 13.6% | | | |
| 37 | 1951 | A | 5,344 | 6,386 | 1,202 | 3,425 | 1,919 | 0.64 | 0.36 | 60.2 | 0.953 | 0.702 | 0.633 | 0.188 | 0.792 | 20.8% | 5,156 | 7,123 | 1,390 | 3,076 | 2,080 | 0.60 | 0.40 | 66.6 | 0.948 | 0.863 | 0.658 | 0.600 | 0.897 | 10.3% | 15.0% | | | |
| 38 | 1952 | W | 10,840 | 8,773 | 0,812 | 2,836 | 8,004 | 0.26 | 0.74 | 57.1 | 0.770 | 0.717 | 0.675 | 0.129 | 0.756 | 24.4% | 15,450 | 9,709 | 0.630 | 4,223 | 11,227 | 0.27 | 0.73 | 64.2 | 0.674 | 0.827 | 0.576 | 0.592 | 0.716 | 28.4% | 26.6% | | | |
| 39 | 1953 | W | 3,983 | 5,647 | 1,429 | 2,525 | 1,458 | 0.63 | 0.37 | 57.1 | 0.967 | 0.697 | 0.697 | 0.000 | 0.796 | 20.4% | 3,822 | 7,676 | 2,025 | 2,200 | 1,622 | 0.58 | 0.42 | 64.2 | 0.962 | 0.857 | 0.720 | 0.488 | 0.901 | 9.9% | 14.6% | | | |
| 40 | 1954 | A | 3,983 | 7,361 | 1,863 | 2,474 | 1,509 | 0.62 | 0.38 | 60.2 | 0.965 | 0.772 | 0.701 | 0.238 | 0.845 | 15.5% | 3,822 | 7,432 | 1,961 | 2,208 | 1,614 | 0.58 | 0.42 | 66.6 | 0.962 | 0.892 | 0.720 | 0.616 | 0.922 | 7.8% | 11.3% | | | |
| 41 | 1955 | D | 2,807 | 3, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| A | | B | | C | | F | | G | | H | | I | | J | | K | | L | | M | | N | | O | | P | | Q | | R | | S | | T | | W | | X | | Y | | Z | | AA | | AB | | AC | | AD | | AE | | AF | | AG | | AH | | AI | | AJ | | AK | | AL | |
|--|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|
| 1 Study 468 San Joaquin River Fall Run Salmon Smolt Survival Model WITHOUT BARRIER AT HEAD OF OLD RIVER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Consumptive Depletion for April 1053.00 cfs San Joaquin River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Consumptive Depletion for May 1053.00 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 APRIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 Year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 Year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 1923 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 1924 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 1925 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 1926 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 1927 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 1928 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 1929 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 1930 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 1931 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 1932 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 1933 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 1934 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 1935 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 1936 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 1937 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 1938 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 1939 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 1940 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 1941 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 1942 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 1943 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 1944 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 1945 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 1946 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 1947 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 1948 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 1949 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 1950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 1951 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 1952 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 1953 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 1954 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 1955 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 1956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 1957 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 1958 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 1959 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 1960 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 1961 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 1962 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 1963 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 1964 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 1965 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 1966 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 1967 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 1968 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 1969 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 1970 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 1971 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 1972 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 1973 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 1974 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 1975 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 62 1977 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 65 1980 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 1981 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 1982 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 1983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 1984 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 1985 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 1986 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 1987 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 1988 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 1989 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 1990 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 1991 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 1992 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 Formulas: San Joaquin River Fall Run Smolt Survival Model WITHOUT BARRIER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 C7 =Study 468 Flow Data\A7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 D7 =Study 468 Flow Data\G7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 E7 =Study 468 Flow Data\I7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 F7 =D7+E7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 G7 =F7/(C7-0.03*\$H\$2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 H7 =IF((0.3137*C7-0.0156*\$H\$2-0.0625*F7)<0,(0.3137*C7-0.0156*\$H\$2-0.0625*F7)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 I7 =C7+H7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 J7 =H7/C7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 K7 =I7/C7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 M7 =(1.01045-0.00003*Z7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 N7 =(O7+P7)-(O7*P7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 O7 =(0.87634-0.000071*H7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 P7 =IF((-3.65867+0.058492*L7+0.000051*F7)<0,(-3.65867+0.058492*L7+0.000051*F7)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 Q7 =((K7*M7)+(J7*N7)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 R7 =(1-Q7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 Note: Calculated San Joaquin River flows at Stockton = 0.3137*(Vernalis flow) - 0.0156*(Consumptive Depletion) - 0.0625*(CVP/SWP Exports) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1926 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1933 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1934 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1958 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1959 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1960 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1961 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1962 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1963 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1964 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1965 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1966 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1967 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1968 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1969 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1970 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1971 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1972 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1973 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1974 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1975 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1976 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1977 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1978 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1979 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1980 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1981 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1982 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1985 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1988 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1989 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1990 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1991 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1992 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T7 =Study 468 Flow Data\IAC7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U7 =Study 468 Flow Data\IH7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W7 =Study 468 Flow Data\IR7 (HIDDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V7 =U7+V7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X7 =W7/(T7-0.03*\$H\$3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y7 =IF((0.3137*T7-0.0156*\$H\$3-0.0625*W7)<0,(0.3137*T7-0.0156*\$H\$3-0.0625*W7)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z7 =T7-Y7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AA7 =Y7/T7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AB7 =Z7/T7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AD7 =(1.01045-0.00003*Z7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AE7 =(AF7+AG7)-(AF7*AG7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AF7 =(0.87634-0.000071*Y7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AG7 =IF((-3.65867+0.058492*AC7+0.000051*W7)<0,(-3.65867+0.058492*AC7+0.000051*W7)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AH7 =((AB7*AD7)+(AA7*AE7)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AI7 =(1-AH7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AK7 =0.45*R7+0.55*AI7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Average: 12.25% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table with columns A through AA and rows for months (APRIL, MAY) and years (1922-1994). It contains detailed data for 'Study 622a San Joaquin River Fall Run Salmon Smolt Survival Model WITHOUT BARRIER AT HEAD OF OLD RIVER', including parameters like Vernalis flow, CVP, SWP, and mortality rates. The table is followed by a series of formulas for calculating various metrics and an 'Average: 13.04%' summary value.

Table with columns A through AL and rows 1 through 94. Row 1: Study 501a San Joaquin River Fall Run Salmon Smolt Survival Model WITHOUT BARRIER AT HEAD OF OLD RIVER. Rows 2-3: Consumptive Depletion for April and May. Row 4: APRIL. Row 5: Water Year. Rows 6-94: Detailed data for each day, including Year, Type, Flows, exports, exp/v-cd, Stockton Q, UOI/R Flow, p3 Stkn, p2 UOI/R Jersey Pt, Temp @ m2, m3, m4, m234, s234, Calculated Mortality, Calculated Survivability, May Vernalis, CVP + SWP, UOI/R Flow, p3 Stkn, p2 UOI/R Jersey Pt, Temp @ m2, m3, m4, m234, s234, Calculated Mortality, Calculated Survivability, Weighted total survival.

Formulas: San Joaquin River Fall Run Smolt Survival Model WITHOUT BARRIER

C7 =Study 468 Flow Data!A7
D7 =Study 468 Flow Data!G7 (HIDDEN)
E7 =Study 468 Flow Data!Q7 (HIDDEN)
F7 =D7+E7
G7 =F7/(C7-0.03*\$H\$2)
H7 =IF((0.3137*C7-0.0156*\$H\$2-0.0625*F7)<0.0,(0.3137*C7-0.0156*\$H\$2-0.0625*F7))
I7 =C7-H7
J7 =H7/C7
K7 =H7/C7
M7 =(1.01045-0.00003*I7)
N7 =(O7+P7)-(O7*P7)
O7 =(0.87634-0.00007*I7)
P7 =IF((-3.65867+0.058492*L7+0.000051*F7)<0.0,(-3.65867+0.058492*L7+0.000051*F7))
Q7 =(K7*M7+(J7*N7))
R7 =(1-Q7)
T7 ='Study 468 Flow Data!AC7
U7 ='Study 468 Flow Data!IH7 (HIDDEN)
V7 ='Study 468 Flow Data!IR7 (HIDDEN)
W7 =U7+V7
X7 =W7/(T7-0.03*\$H\$3)
Y7 =IF((0.3137*T7-0.0156*\$H\$3-0.0625*W7)<0.0,(0.3137*T7-0.0156*\$H\$3-0.0625*W7))
Z7 =T7-Y7
AA7 =Y7/T7
AB7 =Z7/T7
AD7 =(1.01045-0.00003*Z7)
AE7 =(AF7+AG7)-(AF7*AG7)
AF7 =(0.87634-0.000071*Y7)
AG7 =IF((-3.65867+0.058492*AC7+0.000051*W7)<0.0,(-3.65867+0.058492*AC7+0.000051*W7))
AH7 =(AB7*AD7)+(AA7*AE7)
AI7 =(1-AH7)
AK7 =0.45*R7+0.55*AI7

Average: 12.44%

| | | A | B | C | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | | | | | | | | | | |
|----|---------------------------------|---|----------|---------|-----------|------------|------------|---------|----------|------------|-------------|----------------------|-------|-------|------------|-------|---|---------|--------|------------|------------|---------|-----------|------------|------------|-------|--------|-------|-------|----------------------|-------|---------|------------|------------|------------|---------------|----------|------------|----|-----|-----|----|------|------|----------------|
| 1 | Study 526a | San Joaquin River Fall Run Salmon Smolt Survival Model WITHOUT BARRIER AT HEAD OF OLD RIVER | | | | | | | | | | | | | | | San Joaquin River temperatures based on limited historical data from USBR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Consumptive Depletion for April | | | | | | | | | | 1053.00 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Consumptive Depletion for May | | | | | | | | | | 1053.00 cfs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | APRIL | Water | Vernalis | | CVP + SWP | | Calculated | | Temp @ | | | Calculated Mortality | | | Calculated | | | MAY | | | Vernalis | | CVP + SWP | | Calculated | | Temp @ | | | Calculated Mortality | | | Calculated | | | Survivability | | Weighted | | | | | | | |
| 5 | Year | Type | Flows | exports | exp/cv | Stockton Q | UOIdR Flow | p3 Stkn | p2 UOIdR | Jersey Pt. | m2 | m34 | m73 | m4 | m234 | s234 | Flows | exports | exp/cv | Stockton Q | UOIdR Flow | p3 Stkn | p2 UOIdR | Jersey Pt. | m2 | m34 | m73 | m4 | m234 | s234 | Flows | exports | exp/cv | Stockton Q | UOIdR Flow | p3 Stkn | p2 UOIdR | Jersey Pt. | m2 | m34 | m73 | m4 | m234 | s234 | total survival |
| 6 | 1922 | A | 6.193 | 8.551 | 1.388 | 1,392 | 4,801 | 0.22 | 0.78 | 59.7 | 0.866 | 0.844 | 0.778 | 0.299 | 0.861 | 13.90 | 5,936 | 10,854 | 1,838 | 1,167 | 4,769 | 0.20 | 0.80 | 66.6 | 0.867 | 0.957 | 0.793 | 0.790 | 0.885 | 11.5% | 12.6% | | | | | | | | | | | | | | |
| 7 | 1923 | B | 5.340 | 8.137 | 1.533 | 1,150 | 4,190 | 0.22 | 0.78 | 59.7 | 0.885 | 0.846 | 0.795 | 0.248 | 0.876 | 12.4% | 5,162 | 6,557 | 1,278 | 1,193 | 3,969 | 0.23 | 0.77 | 66.0 | 0.891 | 0.903 | 0.792 | 0.536 | 0.894 | 10.6% | 11.4% | | | | | | | | | | | | | | |
| 8 | 1924 | C | 1.990 | 2.788 | 1.424 | 434 | 1,596 | 0.22 | 0.78 | 60.6 | 0.964 | 0.850 | 0.846 | 0.208 | 0.939 | 6.1% | 1,871 | 1,289 | 0.701 | 0.480 | 1,381 | 0.26 | 0.74 | 63.9 | 0.969 | 0.864 | 0.842 | 0.145 | 0.942 | 5.8% | 6.0% | | | | | | | | | | | | | | |
| 9 | 1925 | D | 3.987 | 7.091 | 1.783 | 791 | 3,195 | 0.22 | 0.80 | 63.4 | 0.915 | 0.884 | 0.820 | 0.411 | 0.911 | 8.9% | 3,028 | 5,318 | 1,401 | 852 | 2,876 | 0.22 | 0.78 | 67.3 | 0.912 | 0.917 | 0.816 | 0.549 | 0.920 | 8.0% | 8.4% | | | | | | | | | | | | | | |
| 10 | 1926 | E | 3.667 | 6.509 | 1.793 | 726 | 2,941 | 0.20 | 0.80 | 60.6 | 0.922 | 0.892 | 0.825 | 0.382 | 0.916 | 8.4% | 3,828 | 5,318 | 1,401 | 852 | 2,876 | 0.22 | 0.78 | 67.3 | 0.912 | 0.917 | 0.816 | 0.549 | 0.920 | 7.9% | 7.9% | | | | | | | | | | | | | | |
| 11 | 1927 | W | 5.340 | 8.971 | 1.860 | 1,042 | 4,298 | 0.20 | 0.80 | 57.1 | 0.882 | 0.839 | 0.802 | 0.185 | 0.873 | 12.7% | 5,162 | 8,839 | 1,723 | 1,050 | 4,112 | 0.20 | 0.80 | 64.2 | 0.887 | 0.910 | 0.802 | 0.547 | 0.892 | 10.8% | 11.7% | | | | | | | | | | | | | | |
| 12 | 1928 | A | 3.987 | 8.008 | 2.025 | 734 | 3,253 | 0.18 | 0.82 | 60.2 | 0.913 | 0.872 | 0.824 | 0.271 | 0.905 | 9.5% | 3,828 | 6,681 | 1,760 | 767 | 3,061 | 0.20 | 0.80 | 66.6 | 0.919 | 0.925 | 0.822 | 0.578 | 0.920 | 8.0% | 8.7% | | | | | | | | | | | | | | |
| 13 | 1929 | C | 2.010 | 2.945 | 1.489 | 430 | 1,580 | 0.21 | 0.79 | 60.6 | 0.963 | 0.851 | 0.846 | 0.306 | 0.939 | 6.1% | 1,888 | 3,136 | 1,689 | 380 | 1,508 | 0.20 | 0.80 | 63.9 | 0.965 | 0.885 | 0.849 | 0.239 | 0.940 | 5.1% | 5.5% | | | | | | | | | | | | | | |
| 14 | 1930 | D | 2.420 | 4.089 | 1.712 | 487 | 1,933 | 0.20 | 0.80 | 63.4 | 0.952 | 0.883 | 0.842 | 0.258 | 0.938 | 6.2% | 1,953 | 3,818 | 1,987 | 358 | 1,595 | 0.18 | 0.82 | 67.3 | 0.963 | 0.921 | 0.851 | 0.473 | 0.955 | 4.5% | 5.2% | | | | | | | | | | | | | | |
| 15 | 1931 | C | 1.990 | 2.962 | 1.512 | 423 | 1,567 | 0.21 | 0.79 | 60.6 | 0.963 | 0.852 | 0.846 | 0.307 | 0.940 | 6.0% | 1,988 | 3,479 | 1,778 | 390 | 1,598 | 0.20 | 0.80 | 63.9 | 0.963 | 0.887 | 0.849 | 0.256 | 0.948 | 5.2% | 5.6% | | | | | | | | | | | | | | |
| 16 | 1932 | D | 4.507 | 5.606 | 1.253 | 1,047 | 3,460 | 0.23 | 0.77 | 63.4 | 0.907 | 0.868 | 0.802 | 0.336 | 0.898 | 10.2% | 3,872 | 5,132 | 1,336 | 877 | 2,995 | 0.23 | 0.77 | 67.3 | 0.921 | 0.914 | 0.814 | 0.540 | 0.919 | 8.1% | 9.0% | | | | | | | | | | | | | | |
| 17 | 1933 | C | 2.807 | 4.166 | 1.501 | 604 | 2,203 | 0.22 | 0.78 | 60.6 | 0.944 | 0.850 | 0.833 | 0.098 | 0.924 | 7.6% | 2,678 | 2,775 | 1,049 | 650 | 2,028 | 0.24 | 0.76 | 63.9 | 0.950 | 0.868 | 0.830 | 0.220 | 0.930 | 7.0% | 7.3% | | | | | | | | | | | | | | |
| 18 | 1934 | C | 1.990 | 3.799 | 1.940 | 370 | 1,620 | 0.19 | 0.81 | 60.6 | 0.962 | 0.862 | 0.850 | 0.080 | 0.943 | 5.7% | 1,985 | 3,297 | 1,688 | 400 | 1,585 | 0.20 | 0.80 | 63.9 | 0.963 | 0.896 | 0.848 | 0.247 | 0.947 | 5.3% | 5.5% | | | | | | | | | | | | | | |
| 19 | 1935 | B | 6.365 | 9.965 | 1.573 | 1,357 | 5,008 | 0.21 | 0.79 | 59.7 | 0.860 | 0.855 | 0.780 | 0.342 | 0.859 | 14.1% | 6,068 | 9,551 | 0.986 | 1,515 | 4,553 | 0.25 | 0.75 | 66.0 | 0.874 | 0.886 | 0.769 | 0.505 | 0.877 | 12.3% | 13.1% | | | | | | | | | | | | | | |
| 20 | 1936 | B | 6.410 | 8.360 | 1.311 | 1,472 | 4,938 | 0.23 | 0.77 | 59.7 | 0.862 | 0.831 | 0.772 | 0.260 | 0.855 | 14.5% | 6,162 | 6,635 | 1,293 | 1,188 | 3,974 | 0.23 | 0.77 | 66.0 | 0.891 | 0.904 | 0.792 | 0.540 | 0.894 | 10.6% | 12.3% | | | | | | | | | | | | | | |
| 21 | 1937 | B | 7.951 | 8.050 | 1.016 | 1,975 | 5,976 | 0.25 | 0.75 | 59.7 | 0.831 | 0.800 | 0.736 | 0.244 | 0.824 | 17.6% | 8,154 | 7,071 | 0.871 | 2,100 | 6,054 | 0.26 | 0.74 | 66.0 | 0.829 | 0.881 | 0.727 | 0.562 | 0.842 | 15.8% | 16.6% | | | | | | | | | | | | | | |
| 22 | 1938 | W | 18.052 | 8.039 | 0.446 | 5,144 | 12,908 | 0.28 | 0.71 | 62.3 | 0.623 | 0.556 | 0.511 | 0.091 | 0.604 | 39.6% | 23,971 | 10,009 | 0.418 | 6,878 | 17,093 | 0.29 | 0.71 | 64.2 | 0.498 | 0.759 | 0.388 | 0.607 | 0.573 | 42.7% | 41.3% | | | | | | | | | | | | | | |
| 23 | 1939 | D | 2.891 | 4.190 | 1.465 | 629 | 2,262 | 0.22 | 0.78 | 63.4 | 0.943 | 0.876 | 0.832 | 0.263 | 0.928 | 7.2% | 2,678 | 3,768 | 1,424 | 588 | 2,090 | 0.22 | 0.78 | 67.3 | 0.948 | 0.912 | 0.835 | 0.470 | 0.940 | 6.0% | 6.5% | | | | | | | | | | | | | | |
| 24 | 1940 | A | 5.727 | 10.082 | 1.770 | 1,150 | 4,577 | 0.20 | 0.80 | 60.2 | 0.873 | 0.872 | 0.795 | 0.377 | 0.873 | 12.7% | 5,162 | 6,534 | 1,274 | 1,195 | 3,967 | 0.23 | 0.77 | 66.6 | 0.941 | 0.910 | 0.825 | 0.570 | 0.896 | 10.4% | 11.4% | | | | | | | | | | | | | | |
| 25 | 1941 | W | 10.086 | 10.049 | 0.999 | 2,519 | 7,567 | 0.25 | 0.75 | 57.1 | 0.783 | 0.756 | 0.697 | 0.194 | 0.777 | 22.3% | 9,580 | 10,010 | 1,048 | 2,363 | 7,217 | 0.25 | 0.75 | 64.2 | 0.794 | 0.885 | 0.709 | 0.607 | 0.817 | 18.3% | 20.1% | | | | | | | | | | | | | | |
| 26 | 1942 | W | 6.300 | 10.404 | 1.514 | 1,499 | 5,405 | 0.22 | 0.78 | 57.1 | 0.848 | 0.819 | 0.770 | 0.212 | 0.842 | 15.8% | 6,068 | 9,994 | 0.838 | 1,167 | 4,769 | 0.20 | 0.80 | 64.2 | 0.867 | 0.928 | 0.793 | 0.650 | 0.879 | 12.1% | 13.0% | | | | | | | | | | | | | | |
| 27 | 1943 | W | 7.911 | 9.188 | 1.166 | 1,891 | 6,020 | 0.24 | 0.76 | 57.1 | 0.830 | 0.781 | 0.742 | 0.150 | 0.818 | 18.2% | 6,189 | 7,967 | 1,294 | 1,427 | 4,762 | 0.23 | 0.77 | 64.2 | 0.868 | 0.888 | 0.775 | 0.503 | 0.872 | 12.8% | 15.2% | | | | | | | | | | | | | | |
| 28 | 1944 | D | 3.437 | 4.191 | 1.231 | 800 | 2,637 | 0.23 | 0.77 | 63.4 | 0.931 | 0.867 | 0.820 | 0.263 | 0.916 | 8.4% | 2,968 | 4,239 | 1,444 | 650 | 2,318 | 0.22 | 0.78 | 67.3 | 0.941 | 0.914 | 0.830 | 0.494 | 0.935 | 6.5% | 7.3% | | | | | | | | | | | | | | |
| 29 | 1945 | B | 5.776 | 6.324 | 1.101 | 1,400 | 4,376 | 0.24 | 0.76 | 59.7 | 0.879 | 0.812 | 0.777 | 0.156 | 0.863 | 13.7% | 3,872 | 5,253 | 1,368 | 870 | 3,002 | 0.22 | 0.78 | 66.0 | 0.920 | 0.902 | 0.815 | 0.470 | 0.916 | 8.4% | 10.8% | | | | | | | | | | | | | | |
| 30 | 1946 | B | 5.340 | 6.030 | 1.136 | 1,282 | 4,058 | 0.24 | 0.76 | 59.7 | 0.889 | 0.816 | 0.785 | 0.141 | 0.871 | 12.9% | 3,872 | 5,567 | 1,450 | 850 | 3,022 | 0.22 | 0.78 | 66.0 | 0.920 | 0.905 | 0.816 | 0.486 | 0.917 | 8.3% | 10.4% | | | | | | | | | | | | | | |
| 31 | 1947 | D | 3.667 | 4.991 | 1.373 | 822 | 2,845 | 0.22 | 0.78 | 63.4 | 0.925 | 0.873 | 0.818 | 0.304 | 0.914 | 8.6% | 2,678 | 3,779 | 1,428 | 587 | 2,091 | 0.22 | 0.78 | 67.3 | 0.948 | 0.912 | 0.835 | 0.471 | 0.940 | 6.0% | 7.2% | | | | | | | | | | | | | | |
| 32 | 1948 | B | 3.987 | 6.839 | 1.729 | 807 | 3,180 | 0.20 | 0.80 | 59.7 | 0.915 | 0.852 | 0.819 | 0.182 | 0.902 | 9.8% | 3,828 | 7,397 | 1,948 | 722 | 3,106 | 0.19 | 0.81 | 66.0 | 0.917 | 0.926 | 0.825 | 0.579 | 0.919 | 8.1% | 8.9% | | | | | | | | | | | | | | |
| 33 | 1949 | D | 3.987 | 5.152 | 1.303 | 912 | 3,075 | 0.23 | 0.77 | 63.4 | 0.918 | 0.870 | 0.812 | 0.312 | 0.907 | 9.3% | 2,968 | 5,028 | 1,712 | 600 | 2,368 | 0.20 | 0.80 | 67.3 | 0.939 | 0.923 | 0.834 | 0.534 | 0.936 | 6.4% | 7.7% | | | | | | | | | | | | | | |
| 34 | 1950 | B | 3.987 | 6.362 | 1.608 | 837 | 3,150 | 0.21 | 0.79 | 59.7 | 0.916 | 0.846 | 0.817 | 0.158 | 0.901 | 9.8% | 3,028 | 5,996 | 1,553 | 916 | 3,012 | 0.21 | 0.79 | 65.0 | 0.920 | 0.910 | 0.818 | 0.502 | 0.918 | 8.2% | 9.0% | | | | | | | | | | | | | | |
| 35 | 1951 | A | 5.340 | 6.431 | 1.211 | 1,257 | 4,083 | 0.24 | 0.76 | 60.2 | 0.888 | 0.828 | 0.787 | 0.191 | 0.874 | 12.6% | 5,162 | 7,427 | 1,448 | 1,139 | 4,023 | 0.22 | 0.78 | 66.6 | 0.890 | 0.921 | 0.795 | 0.616 | 0.897 | 10.3% | 11.4% | | | | | | | | | | | | | | |
| 36 | 1952 | W | 10.840 | 8.150 | 0.754 | 2,875 | 7,965 | 0.27 | 0.73 | 57.1 | 0.771 | 0.704 | 0.672 | 0.097 | 0.754 | 24.6% | 15,455 | 9,801 | 0.635 | 4,219 | 11,236 | 0.27 | 0.73 | 64.2 | 0.673 | 0.829 | 0.577 | 0.596 | 0.716 | 28.4% | 26.7% | | | | | | | | | | | | | | |
| 37 | 1953 | W | 3.987 | 5.737 | 1.450 | 876 | 3,111 | 0.22 | 0.78 | 57.1 | 0.917 | 0.814 | 0.814 | 0.000 | 0.894 | 10.6% | 3,828 | 7,915 | 2,085 | 690 | 3,138 | 0.18 | 0.82 | 64.2 | 0.916 | 0.914 | | | | | | | | | | | | | | | | | | | |

PREDICTED STRIPED BASS YOUNG-OF-THE-YEAR ABUNDANCE AT 38 MM. - FLOW ALTERNATIVES

| | ALT 1 | ALT 2 | ALT 3 | ALT 4 | ALT 5 | ALT 6 | ALT 7 | ALT 8 |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| WET | | | | | | | | |
| A_J_OUT | 32060.44 | 30671.51 | 30800.37 | 30777.65 | 32135.86 | 30878.71 | 30792.99 | 31301.75 |
| LOG A_J_OUT | 4.505969 | 4.486735 | 4.488556 | 4.488236 | 4.50699 | 4.489659 | 4.488452 | 4.495569 |
| A_J_DIV | 10080.33 | 11759.9 | 11778.02 | 11780.85 | 12383.07 | 11819.5 | 11493.74 | 11367.96 |
| A_J_WEST | 7685 | 5862.929 | 6030.988 | 6002.083 | 7319.512 | 6028.464 | 5813.821 | 6493.845 |
| PREDICTED YOY | 45.74487 | 31.83851 | 31.29497 | 31.325 | 22.59278 | 30.96156 | 34.95581 | 34.84026 |
| ABOVE NORMAL | | | | | | | | |
| A_J_OUT | 17446.98 | 18052.5 | 18092.58 | 18128.73 | 19217.45 | 18246.4 | 18010.23 | 18541.93 |
| LOG A_J_OUT | 4.24172 | 4.256537 | 4.2575 | 4.258367 | 4.283696 | 4.261177 | 4.255519 | 4.268155 |
| A_J_DIV | 10117.05 | 10945.43 | 10899.15 | 10893.7 | 11441.7 | 11162.43 | 10867.9 | 10433.35 |
| A_J_WEST | 1871.825 | 1262.3 | 1541.55 | 1572.925 | 2928.75 | 1301.225 | 952.05 | 1820.05 |
| PREDICTED YOY | 39.71946 | 34.12844 | 33.85077 | 33.88936 | 26.19523 | 32.12475 | 35.80542 | 38.87065 |
| BELOW NORMAL | | | | | | | | |
| A_J_OUT | 10176.61 | 11646.98 | 11664.27 | 11663.41 | 12527.14 | 11712.43 | 11574.84 | 12154.77 |
| LOG A_J_OUT | 4.007603 | 4.066213 | 4.066857 | 4.066826 | 4.097852 | 4.068647 | 4.063515 | 4.084747 |
| A_J_DIV | 10419.98 | 10399.48 | 10400.91 | 10400.88 | 10949.27 | 10635.38 | 10453.8 | 9984.107 |
| A_J_WEST | 26.25 | -70.1786 | 159.8929 | 142.7857 | 1190.821 | -83.875 | -360.5 | 479.7857 |
| PREDICTED YOY | 21.43304 | 27.13025 | 26.46986 | 26.51963 | 20.26502 | 24.89211 | 27.20305 | 31.48526 |
| DRY | | | | | | | | |
| A_J_OUT | 6107 | 8637.906 | 8667.078 | 8655.719 | 8851.156 | 8825.969 | 8626.031 | 8997.594 |
| LOG A_J_OUT | 3.785828 | 3.936408 | 3.937873 | 3.937303 | 3.947 | 3.945762 | 3.935811 | 3.954126 |
| A_J_DIV | 10056.47 | 9584.016 | 9675 | 9669.594 | 9888.359 | 9801.406 | 9604.359 | 9433.688 |
| A_J_WEST | -1354.91 | -1149.2 | -876.844 | -871.375 | -179.266 | -1157.86 | -1335.11 | -741.516 |
| PREDICTED YOY | 9.870801 | 27.56434 | 25.90012 | 25.89022 | 22.32153 | 26.11887 | 27.86374 | 29.47782 |
| CRITICAL | | | | | | | | |
| A_J_OUT | 4163.375 | 6523.604 | 6524.083 | 6519.104 | 6695.354 | 6538.521 | 6515.813 | 6597.771 |
| LOG A_J_OUT | 3.619446 | 3.814488 | 3.814519 | 3.814188 | 3.825774 | 3.81548 | 3.813969 | 3.819397 |
| A_J_DIV | 8203.375 | 6658.896 | 6914.271 | 6920.125 | 7580.396 | 6923.604 | 6759.667 | 6689.833 |
| A_J_WEST | -375.292 | -4.10417 | 95.27083 | 49.375 | 275.1875 | -93.8125 | -143.771 | 120.0625 |
| PREDICTED YOY | 11.76064 | 44.22303 | 41.22117 | 41.27 | 34.62151 | 41.78454 | 43.53747 | 43.95119 |
| ALL YEARS | | | | | | | | |
| A_J_OUT | 15587.45 | 16495.54 | 16547.88 | 16542.83 | 17320.14 | 16637.93 | 16506.97 | 16932.29 |
| LOG A_J_OUT | 4.192775 | 4.217366 | 4.218742 | 4.21861 | 4.238551 | 4.221099 | 4.217667 | 4.228716 |
| A_J_DIV | 9836.664 | 10072 | 10133.07 | 10132.9 | 10642.87 | 10255.27 | 10016.25 | 9781.579 |
| A_J_WEST | 2113.579 | 1593.5 | 1800.253 | 1786.61 | 2741.134 | 1627.182 | 1417.49 | 2066.64 |
| PREDICTED YOY | 37.6166 | 38.89062 | 37.7353 | 37.76694 | 31.22339 | 37.17946 | 40.04419 | 41.52271 |
| SUMMARY - PREDICTED 38 MM INDEX | | | | | | | | |
| | ALT 1 | ALT 2 | ALT 3 | ALT 4 | ALT 5 | ALT 6 | ALT 7 | ALT 8 |
| ALL YEARS | 37.6166 | 38.89062 | 37.7353 | 37.76694 | 31.22339 | 37.17946 | 40.04419 | 41.52271 |
| WET | 45.74487 | 31.83851 | 31.29497 | 31.325 | 22.59278 | 30.96156 | 34.95581 | 34.84026 |
| ABOVE NORMAL | 39.71946 | 34.12844 | 33.85077 | 33.88936 | 26.19523 | 32.12475 | 35.80542 | 38.87065 |
| BELOW NORMAL | 21.43304 | 27.13025 | 26.46986 | 26.51963 | 20.26502 | 24.89211 | 27.20305 | 31.48526 |
| DRY | 9.870801 | 27.56434 | 25.90012 | 25.89022 | 22.32153 | 26.11887 | 27.86374 | 29.47782 |
| CRITICAL | 11.76064 | 44.22303 | 41.22117 | 41.27 | 34.62151 | 41.78454 | 43.53747 | 43.95119 |

A_J_OUT = Mean April through July net Delta Outflow
 LOG A_J_OUT = Log10(Mean April through July net Delta Outflow)
 A_J_DIV = Mean April through July total Delta exports (including CVP, SWP, Contra Costa Canal, and miscellaneous Delta diversions)
 A_J_WEST = Mean April through July flow, San Joaquin River at Jersey Point (QWEST)
 PREDICTED YOY = $-222.869 + (88.483 * \text{LOG A_J_OUT}) + (-0.010578 * \text{A_J_DIV}) + (-0.0030524 * \text{A_J_WEST})$

PREDICTED STRIPED BASS YOUNG-OF-THE-YEAR ABUNDANCE AT 38 MM. - CUMULATIVE IMPACTS

| | No Project | Bay-Delta Plan | Cumulative Impacts |
|---------------------|-------------------|-----------------------|---------------------------|
| WET | | | |
| A_J_OUT | 32060.4 | 32060.4 | 29854.8 |
| LOG A_J_OUT | 4.5 | 4.5 | 4.5 |
| A_J_DIV | 10080.3 | 11762.3 | 12814.0 |
| A_J_WEST | 7685.1 | 5930.7 | 4948.5 |
| PREDICTED YOY | 45.7 | 33.3 | 22.4 |
| ABOVE NORMAL | | | |
| A_J_OUT | 17447.0 | 17447.0 | 17290.3 |
| LOG A_J_OUT | 4.2 | 4.2 | 4.2 |
| A_J_DIV | 10117.0 | 10938.1 | 11982.3 |
| A_J_WEST | 1871.8 | 1270.1 | 291.6 |
| PREDICTED YOY | 39.7 | 32.9 | 24.5 |
| BELOW NORMAL | | | |
| A_J_OUT | 10176.6 | 10176.6 | 11227.3 |
| LOG A_J_OUT | 4.0 | 4.0 | 4.1 |
| A_J_DIV | 10420.0 | 10399.1 | 11039.3 |
| A_J_WEST | 26.3 | -88.9 | -639.9 |
| PREDICTED YOY | 21.4 | 22.0 | 20.7 |
| DRY | | | |
| A_J_OUT | 6107.0 | 6107.0 | 8109.2 |
| LOG A_J_OUT | 3.8 | 3.8 | 3.9 |
| A_J_DIV | 10056.5 | 9592.8 | 9617.5 |
| A_J_WEST | -1354.9 | -1137.9 | -1297.8 |
| PREDICTED YOY | 9.9 | 14.1 | 25.2 |
| CRITICAL | | | |
| A_J_OUT | 4163.4 | 4163.4 | 6360.0 |
| LOG A_J_OUT | 3.6 | 3.6 | 3.8 |
| A_J_DIV | 8203.4 | 6749.0 | 6768.8 |
| A_J_WEST | -375.3 | 12.8 | -40.4 |
| PREDICTED YOY | 11.8 | 26.0 | 42.2 |
| ALL YEARS | | | |
| A_J_OUT | 15587.5 | 15587.5 | 15932.9 |
| LOG A_J_OUT | 4.2 | 4.2 | 4.2 |
| A_J_DIV | 9836.7 | 10088.3 | 10665.4 |
| A_J_WEST | 2113.6 | 1615.7 | 1049.7 |
| PREDICTED YOY | 37.6 | 36.5 | 32.9 |

SUMMARY - PREDICTED 38 MM INDEX

| | No Project | Bay-Delta Plan | Cumulative Impacts |
|---------------------|-------------------|-----------------------|---------------------------|
| ALL YEARS | 37.6 | 36.5 | 32.9 |
| WET | 45.7 | 33.3 | 22.4 |
| ABOVE NORMAL | 39.7 | 32.9 | 24.5 |
| BELOW NORMAL | 21.4 | 22.0 | 20.7 |
| DRY | 9.9 | 14.1 | 25.2 |
| CRITICAL | 11.8 | 26.0 | 42.2 |

A_J_OUT = Mean April through July net Delta Outflow

LOG A_J_OUT = Log10(Mean April through July net Delta Outflow)

A_J_DIV = Mean April through July total Delta exports (including CVP, SWP, Contra Costa Canal, and miscellaneous Delta diversions)

A_J_WEST = Mean April through July flow - San Joaquin River at Jersey Point (QWEST)

PREDICTED YOY = $-222.869+(88.483*\text{LOG A}_J_OUT)+(-0.010578*A_J_DIV)+(-0.0030524*A_J_WEST)$

PREDICTED STRIPED BASS YOUNG-OF-THE-YEAR ABUNDANCE AT 38 MM. - JOINT POINT OF DIVERSION ALTERNATIVES

| | ALT 1 | ALT 2 | ALT 3 | ALT 4 | ALT 5 | ALT 6 | ALT 7 | ALT 8 | ALT 9 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| WET | | | | | | | | | |
| A_J_OUT | 32060.44 | 32060.44 | 30766.36 | 31186 | 30752.5 | 30776.82 | 30412.18 | 30502.85 | 31300.37 |
| LOG A_J_OUT | 4.505969 | 4.505969 | 4.488076 | 4.493954 | 4.48788 | 4.488224 | 4.483048 | 4.48434 | 4.495549 |
| A_J_DIV | 10080.33 | 11762.32 | 11755.8 | 11376.94 | 11817.19 | 11529.94 | 12291.79 | 12305.15 | 11389.07 |
| A_J_WEST | 7685 | 5930.738 | 5951.393 | 6344.524 | 5902.179 | 5787.071 | 5467.714 | 5483.238 | 6481.262 |
| PREDICTED YOY | 45.74487 | 33.30788 | 31.73058 | 35.05819 | 31.21407 | 34.63434 | 27.09233 | 27.01792 | 34.6537 |
| ABOVE NORMAL | | | | | | | | | |
| A_J_OUT | 17446.98 | 17446.98 | 18048.7 | 18515.2 | 18046.53 | 17982 | 17721.23 | 17727.38 | 18545.28 |
| LOG A_J_OUT | 4.24172 | 4.24172 | 4.256446 | 4.267528 | 4.256394 | 4.254838 | 4.248494 | 4.248644 | 4.268233 |
| A_J_DIV | 10117.05 | 10938.13 | 10967.83 | 10572.58 | 10985.65 | 10961.75 | 11749.78 | 11838.05 | 10518.15 |
| A_J_WEST | 1871.825 | 1270.1 | 1251.475 | 1684.275 | 1240.975 | 884.9 | 791.0513 | 721.8462 | 1767.45 |
| PREDICTED YOY | 39.71946 | 32.87078 | 33.91645 | 37.75694 | 33.75532 | 34.95737 | 26.34675 | 25.63755 | 38.14113 |
| BELOW NORMAL | | | | | | | | | |
| A_J_OUT | 10176.61 | 10176.61 | 11600.52 | 12131.88 | 11638.89 | 11547.13 | 11542.45 | 8629.781 | 12204 |
| LOG A_J_OUT | 4.007603 | 4.007603 | 4.064477 | 4.083928 | 4.065912 | 4.062474 | 4.062298 | 3.936 | 4.086502 |
| A_J_DIV | 10419.98 | 10399.13 | 10533.66 | 10087 | 10570.14 | 10589.13 | 11245.41 | 10339.5 | 10086.45 |
| A_J_WEST | 26.25 | -88.875 | -184.25 | 325.9821 | -204.5893 | -454.6607 | -709.5893 | -1658.578 | 423.5536 |
| PREDICTED YOY | 21.43304 | 22.00507 | 25.90549 | 30.79388 | 25.70858 | 25.96692 | 19.7873 | 21.09148 | 30.72969 |
| DRY | | | | | | | | | |
| A_J_OUT | 6107 | 6107 | 8635.422 | 8855.438 | 8530.938 | 8567.172 | 8602.344 | 8629.781 | 8888.766 |
| LOG A_J_OUT | 3.785828 | 3.785828 | 3.936284 | 3.94721 | 3.930997 | 3.932837 | 3.934617 | 3.936 | 3.948841 |
| A_J_DIV | 10056.47 | 9592.75 | 9684.547 | 9413.188 | 9626.969 | 9650.375 | 10201.77 | 10339.5 | 9472.422 |
| A_J_WEST | -1354.906 | -1137.906 | -1201.844 | -891.5781 | -1169.766 | -1373.266 | -1572.016 | -1658.578 | -782.3438 |
| PREDICTED YOY | 9.870801 | 14.11365 | 26.65055 | 29.54074 | 26.6939 | 27.23035 | 22.16184 | 21.09148 | 28.72509 |
| CRITICAL | | | | | | | | | |
| A_J_OUT | 4163.375 | 4163.375 | 6526 | 6553.854 | 6530.146 | 6515.063 | 6553.667 | 6546.958 | 6603.958 |
| LOG A_J_OUT | 3.619446 | 3.619446 | 3.814647 | 3.816497 | 3.814923 | 3.813919 | 3.816484 | 3.81604 | 3.819804 |
| A_J_DIV | 8203.375 | 6748.979 | 6748.521 | 6756.958 | 6873.917 | 6759.333 | 7024.167 | 6807.833 | 6671.75 |
| A_J_WEST | -375.2917 | 12.79167 | 15.54167 | 33.16667 | -73.64583 | -147.9583 | -171.8958 | -19.60417 | 138.8542 |
| PREDICTED YOY | 11.76064 | 25.96065 | 43.22912 | 43.24974 | 42.19933 | 43.54936 | 41.04804 | 42.83221 | 44.12114 |
| ALL YEARS | | | | | | | | | |
| A_J_OUT | 15587.45 | 15587.45 | 16513.24 | 16852.44 | 16494.1 | 16480.12 | 16352.65 | 16383.53 | 16918.96 |
| LOG A_J_OUT | 4.192775 | 4.192775 | 4.217832 | 4.226663 | 4.217329 | 4.21696 | 4.213588 | 4.214407 | 4.228374 |
| A_J_DIV | 9836.664 | 10088.35 | 10136.39 | 9829.507 | 10171.48 | 10075.51 | 10692.87 | 10705.68 | 9824.411 |
| A_J_WEST | 2113.579 | 1615.743 | 1587.281 | 1928.414 | 1560.154 | 1373.486 | 1173.684 | 1173.729 | 2039.171 |
| PREDICTED YOY | 37.6166 | 36.47387 | 38.26974 | 41.25599 | 37.93675 | 39.48916 | 33.27024 | 33.20702 | 41.12321 |
| SUMMARY - PREDICTED 38 MM INDEX | | | | | | | | | |
| | ALT 1 | ALT 2 | ALT 3 | ALT 4 | ALT 5 | ALT 6 | ALT 7 | ALT 8 | ALT 9 |
| ALL YEARS | 37.6166 | 36.47387 | 38.26974 | 41.25599 | 37.93675 | 39.48916 | 33.27024 | 33.20702 | 41.12321 |
| WET | 45.74487 | 33.30788 | 31.73058 | 35.05819 | 31.21407 | 34.63434 | 27.09233 | 27.01792 | 34.6537 |
| ABOVE NORMAL | 39.71946 | 32.87078 | 33.91645 | 37.75694 | 33.75532 | 34.95737 | 26.34675 | 25.63755 | 38.14113 |
| BELOW NORMAL | 21.43304 | 22.00507 | 25.90549 | 30.79388 | 25.70858 | 25.96692 | 19.7873 | 21.09148 | 30.72969 |
| DRY | 9.870801 | 14.11365 | 26.65055 | 29.54074 | 26.6939 | 27.23035 | 22.16184 | 21.09148 | 28.72509 |
| CRITICAL | 11.76064 | 25.96065 | 43.22912 | 43.24974 | 42.19933 | 43.54936 | 41.04804 | 42.83221 | 44.12114 |

A_J_OUT = Mean April through July net Delta Outflow

LOG A_J_OUT = Log10(Mean April through July net Delta Outflow)

A_J_DIV = Mean April through July total Delta exports (including CVP, SWP, Contra Costa Canal, and miscellaneous Delta diversions)

A_J_WEST = Mean April through July flow - San Joaquin River at Jersey Point (QWEST)

PREDICTED YOY = $-222.869+(88.483*\text{LOG A}_J_OUT)+(-0.010578*\text{A}_J_DIV)+(-0.0030524*\text{A}_J_WEST)$

**Predicted Water Temperature
Sacramento River at Keswick, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 49.2 | 53.2 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 49.8 | 49.9 | 48.3 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |
| 3 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |
| 4 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |
| 5 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.9 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |
| 6 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |
| 8 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |

**Predicted Water Temperature
Sacramento River at Keswick, Above Normal Year (1928)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 49.4 | 50.2 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.5 | 48.6 | 49.1 | 49.2 | 49.2 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.3 | 50.0 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.5 | 49.1 | 49.3 | 49.2 |
| 3 | 49.2 | 50.0 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.5 | 49.2 | 49.3 | 49.1 |
| 4 | 49.2 | 50.0 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.5 | 49.2 | 49.3 | 49.1 |
| 5 | 49.1 | 49.9 | 49.3 | 45.6 | 49.3 | 53.6 | 50.6 | 49.3 | 48.2 | 49.5 | 49.4 | 48.9 |
| 6 | 49.2 | 49.9 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.0 | 49.2 | 49.5 | 49.2 |
| 8 | 49.3 | 50.1 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.4 | 49.2 | 49.3 | 49.2 |

**Predicted Water Temperature
Sacramento River at Keswick, Below Normal Year (1979)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 46.9 | 48.2 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 49.5 | 48.7 | 49.3 | 49.4 | 49.7 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 46.7 | 48.2 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 50.0 | 48.4 | 49.3 | 49.7 | 49.8 |
| 3 | 46.8 | 48.6 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 50.0 | 48.6 | 49.3 | 49.8 | 50.1 |
| 4 | 46.8 | 48.6 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 50.0 | 48.6 | 49.3 | 49.8 | 50.1 |
| 5 | 47.1 | 49.1 | 48.3 | 45.3 | 46.7 | 51.9 | 50.8 | 50.0 | 48.7 | 49.4 | 49.7 | 49.9 |
| 6 | 46.7 | 48.3 | 48.3 | 45.3 | 46.6 | 51.7 | 50.7 | 50.0 | 48.1 | 49.3 | 49.7 | 49.1 |
| 8 | 46.8 | 48.3 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 50.0 | 48.3 | 49.3 | 49.7 | 49.8 |

**Predicted Water Temperature
Sacramento River at Keswick, Dry Year (1964)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 48.5 | 50.5 | 48.2 | 45.1 | 50.7 | 50.8 | 51.1 | 48.9 | 48.5 | 49.5 | 49.6 | 50.0 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 48.0 | 50.9 | 48.2 | 45.1 | 51.0 | 51.0 | 51.1 | 49.1 | 48.0 | 49.5 | 50.0 | 51.2 |
| 3 | 48.0 | 50.9 | 48.2 | 45.1 | 51.0 | 50.9 | 51.1 | 49.1 | 48.1 | 49.5 | 50.0 | 50.5 |
| 4 | 48.0 | 50.9 | 48.2 | 45.1 | 51.0 | 50.9 | 51.1 | 49.1 | 48.1 | 49.5 | 50.0 | 50.5 |
| 5 | 48.0 | 50.8 | 48.2 | 45.1 | 50.8 | 50.9 | 51.2 | 49.1 | 48.2 | 49.5 | 49.9 | 50.7 |
| 6 | 48.3 | 50.6 | 48.2 | 45.1 | 51.0 | 51.3 | 51.1 | 49.1 | 48.0 | 49.8 | 49.6 | 53.0 |
| 8 | 48.0 | 50.9 | 48.2 | 45.1 | 51.0 | 50.8 | 51.1 | 49.1 | 48.0 | 49.5 | 49.9 | 50.6 |

**Predicted Water Temperature
Sacramento River at Keswick, Critical Year (1992)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 53.0 | 54.6 | 49.0 | 44.8 | 46.6 | 47.6 | 52.1 | 49.8 | 49.2 | 50.2 | 50.1 | 49.8 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 55.6 | 55.3 | 48.8 | 44.6 | 46.8 | 47.7 | 50.0 | 49.6 | 48.7 | 50.4 | 51.2 | 51.0 |
| 3 | 54.6 | 55.2 | 48.8 | 44.7 | 46.7 | 47.6 | 50.7 | 49.6 | 48.8 | 50.1 | 51.2 | 50.3 |
| 4 | 54.1 | 55.0 | 48.8 | 44.7 | 46.7 | 47.6 | 50.7 | 49.6 | 48.7 | 49.9 | 51.2 | 51.5 |
| 5 | 52.6 | 54.4 | 48.9 | 44.7 | 46.5 | 47.6 | 52.1 | 49.9 | 48.6 | 50.4 | 50.6 | 49.4 |
| 6 | 56.2 | 55.4 | 48.8 | 44.6 | 46.9 | 47.7 | 50.1 | 49.6 | 48.7 | 50.5 | 51.2 | 51.0 |
| 8 | 56.3 | 55.5 | 48.8 | 44.6 | 46.9 | 47.7 | 50.3 | 49.6 | 48.8 | 50.6 | 51.2 | 50.6 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Sep | |
| 1 | 50.1 | 53.1 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 53.2 | 53.1 | 51.6 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |
| 3 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |
| 4 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |
| 5 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |
| 6 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |
| 8 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Above Normal Year (1928)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 51.6 | 50.5 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 53.4 | 51.8 | 52.0 | 52.5 | 53.2 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 51.5 | 50.3 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 51.6 | 52.1 | 52.6 | 53.1 |
| 3 | 51.5 | 50.3 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 51.7 | 52.3 | 52.7 | 53.0 |
| 4 | 51.5 | 50.3 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 51.7 | 52.3 | 52.7 | 53.0 |
| 5 | 51.4 | 50.2 | 47.8 | 45.0 | 49.0 | 53.4 | 53.8 | 52.9 | 51.1 | 53.1 | 53.0 | 52.9 |
| 6 | 51.5 | 50.3 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 50.7 | 52.3 | 52.9 | 53.0 |
| 8 | 51.5 | 50.4 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.6 | 51.4 | 52.3 | 52.7 | 53.2 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Below Normal Year (1979)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 49.1 | 48.5 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 53.8 | 51.9 | 52.5 | 52.4 | 54.3 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.0 | 48.5 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 54.7 | 51.3 | 52.5 | 53.1 | 54.5 |
| 3 | 49.0 | 48.8 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 54.7 | 51.7 | 52.5 | 53.2 | 54.9 |
| 4 | 49.0 | 48.8 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 54.7 | 51.7 | 52.5 | 53.2 | 54.9 |
| 5 | 49.3 | 49.3 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 54.7 | 51.9 | 52.8 | 53.1 | 54.6 |
| 6 | 49.0 | 48.6 | 47.5 | 44.9 | 47.2 | 52.4 | 52.7 | 54.7 | 50.7 | 52.5 | 53.1 | 53.4 |
| 8 | 49.0 | 48.6 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 54.7 | 51.1 | 52.5 | 53.1 | 54.5 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Dry Year (1964)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 50.6 | 50.6 | 47.3 | 44.7 | 50.7 | 51.4 | 52.5 | 51.8 | 52.0 | 52.9 | 52.9 | 54.1 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.8 | 51.0 | 47.2 | 44.7 | 50.9 | 51.5 | 52.6 | 52.3 | 51.1 | 52.9 | 53.5 | 55.6 |
| 3 | 49.8 | 51.0 | 47.2 | 44.7 | 50.9 | 51.4 | 52.6 | 52.3 | 51.2 | 52.9 | 53.5 | 54.8 |
| 4 | 49.8 | 51.0 | 47.2 | 44.7 | 50.9 | 51.4 | 52.6 | 52.3 | 51.2 | 52.9 | 53.5 | 54.8 |
| 5 | 49.8 | 50.9 | 47.3 | 44.7 | 50.7 | 51.4 | 52.6 | 52.3 | 51.5 | 53.0 | 53.5 | 55.3 |
| 6 | 50.3 | 50.7 | 47.2 | 44.7 | 50.9 | 51.7 | 52.6 | 52.3 | 50.9 | 53.4 | 52.8 | 56.2 |
| 8 | 49.8 | 51.0 | 47.2 | 44.7 | 50.9 | 51.4 | 52.6 | 52.3 | 50.9 | 52.9 | 53.3 | 54.1 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Critical Year (1992)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 55.3 | 53.6 | 47.5 | 44.2 | 48.0 | 50.2 | 55.2 | 53.9 | 52.9 | 54.0 | 53.7 | 54.4 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.2 | 54.2 | 47.4 | 44.1 | 48.1 | 50.3 | 53.5 | 53.6 | 52.0 | 54.4 | 55.7 | 54.7 |
| 3 | 56.5 | 54.1 | 47.4 | 44.2 | 48.0 | 50.2 | 54.1 | 53.6 | 52.2 | 53.8 | 55.7 | 54.2 |
| 4 | 56.2 | 53.9 | 47.4 | 44.2 | 48.0 | 50.2 | 53.9 | 53.6 | 52.1 | 53.4 | 55.7 | 55.2 |
| 5 | 55.0 | 53.5 | 47.5 | 44.2 | 47.9 | 50.2 | 55.2 | 54.2 | 51.8 | 54.3 | 54.6 | 53.3 |
| 6 | 57.7 | 54.2 | 47.4 | 44.1 | 48.1 | 50.3 | 53.7 | 53.6 | 52.0 | 54.5 | 55.7 | 54.7 |
| 8 | 57.8 | 54.3 | 47.4 | 44.1 | 48.1 | 50.3 | 54.0 | 53.6 | 52.2 | 54.6 | 55.7 | 54.4 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Sep | |
| 1 | 50.8 | 52.9 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 55.2 | 55.0 | 53.5 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 55.0 | 52.0 |
| 3 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 55.0 | 52.0 |
| 4 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 55.0 | 52.0 |
| 5 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 55.0 | 52.0 |
| 6 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 55.0 | 52.0 |
| 8 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.2 | 55.0 | 52.1 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Above Normal Year (1928)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 52.8 | 50.6 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 56.1 | 54.1 | 53.9 | 54.4 | 55.2 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 52.7 | 50.4 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 53.8 | 54.0 | 54.5 | 55.1 |
| 3 | 52.7 | 50.4 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 53.9 | 54.2 | 54.6 | 55.0 |
| 4 | 52.7 | 50.4 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 53.9 | 54.2 | 54.6 | 55.0 |
| 5 | 52.6 | 50.3 | 47.2 | 45.0 | 48.8 | 53.2 | 54.7 | 55.5 | 53.1 | 55.2 | 54.9 | 54.9 |
| 6 | 52.7 | 50.4 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 52.6 | 54.3 | 54.8 | 55.0 |
| 8 | 52.7 | 50.5 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 55.1 | 53.6 | 54.2 | 54.6 | 55.2 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Below Normal Year (1979)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 50.5 | 48.7 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 56.7 | 54.3 | 54.7 | 54.5 | 56.9 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 50.4 | 48.7 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.6 | 54.7 | 55.3 | 57.2 |
| 3 | 50.5 | 49.0 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 54.1 | 54.7 | 55.5 | 57.6 |
| 4 | 50.5 | 49.0 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 54.2 | 54.7 | 55.5 | 57.6 |
| 5 | 50.7 | 49.4 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 54.4 | 55.0 | 55.2 | 57.3 |
| 6 | 50.4 | 48.8 | 47.1 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 52.8 | 54.7 | 55.3 | 56.0 |
| 8 | 50.5 | 48.8 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.3 | 54.6 | 55.3 | 57.2 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Dry Year (1964)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 51.6 | 50.6 | 46.7 | 44.7 | 50.4 | 51.6 | 53.2 | 53.5 | 54.1 | 55.0 | 54.9 | 56.2 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 50.7 | 50.9 | 46.7 | 44.7 | 50.6 | 51.6 | 53.4 | 54.1 | 53.0 | 55.1 | 55.6 | 57.7 |
| 3 | 50.7 | 50.9 | 46.7 | 44.7 | 50.6 | 51.6 | 53.4 | 54.1 | 53.2 | 55.0 | 55.6 | 57.0 |
| 4 | 50.7 | 50.9 | 46.7 | 44.7 | 50.6 | 51.6 | 53.4 | 54.1 | 53.2 | 55.0 | 55.6 | 57.0 |
| 5 | 50.7 | 50.8 | 46.7 | 44.7 | 50.4 | 51.6 | 53.4 | 54.1 | 53.5 | 55.1 | 55.6 | 57.6 |
| 6 | 51.3 | 50.6 | 46.7 | 44.7 | 50.7 | 51.8 | 53.4 | 54.1 | 52.8 | 55.6 | 54.8 | 57.8 |
| 8 | 50.7 | 50.9 | 46.7 | 44.7 | 50.7 | 51.6 | 53.4 | 54.1 | 52.9 | 55.0 | 55.5 | 56.1 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Critical Year (1992)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 56.7 | 53.1 | 46.9 | 44.2 | 48.3 | 51.4 | 56.5 | 56.6 | 55.5 | 56.3 | 56.0 | 56.9 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.2 | 53.5 | 46.8 | 44.1 | 48.4 | 51.4 | 55.2 | 56.2 | 54.3 | 56.8 | 58.3 | 56.9 |
| 3 | 57.7 | 53.4 | 46.8 | 44.1 | 48.4 | 51.4 | 55.7 | 56.3 | 54.6 | 56.1 | 58.3 | 56.4 |
| 4 | 57.4 | 53.3 | 46.8 | 44.1 | 48.4 | 51.4 | 55.5 | 56.2 | 54.4 | 55.6 | 58.3 | 57.2 |
| 5 | 56.5 | 53.0 | 46.9 | 44.1 | 48.3 | 51.4 | 56.5 | 57.0 | 54.0 | 56.7 | 57.0 | 55.7 |
| 6 | 58.6 | 53.5 | 46.8 | 44.1 | 48.4 | 51.4 | 55.4 | 56.2 | 54.4 | 56.9 | 58.3 | 56.9 |
| 8 | 58.7 | 53.6 | 46.8 | 44.1 | 48.4 | 51.4 | 55.7 | 56.2 | 54.5 | 57.1 | 58.3 | 56.6 |

Predicted Water Temperature
Sacramento River at Vina, Wet Year (1942)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 52.0 | 52.6 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 59.6 | 59.1 | 57.5 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.6 |
| 3 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.6 |
| 4 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.6 |
| 5 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.6 |
| 6 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.6 |
| 8 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.7 |

Predicted Water Temperature
Sacramento River at Vina, Above Normal Year (1928)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 54.7 | 50.6 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 60.1 | 58.6 | 57.9 | 58.4 | 58.8 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 54.7 | 50.4 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 58.2 | 58.1 | 58.6 | 58.7 |
| 3 | 54.6 | 50.4 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 58.4 | 58.3 | 58.7 | 58.6 |
| 4 | 54.6 | 50.4 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 58.4 | 58.3 | 58.7 | 58.6 |
| 5 | 54.5 | 50.4 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 59.4 | 57.3 | 59.6 | 59.2 | 58.5 |
| 6 | 54.6 | 50.4 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 56.7 | 58.4 | 59.0 | 58.5 |
| 8 | 54.7 | 50.5 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.9 | 58.0 | 58.3 | 58.7 | 58.8 |

Predicted Water Temperature
Sacramento River at Vina, Below Normal Year (1979)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 53.4 | 49.0 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 60.5 | 59.7 | 60.6 | 60.1 | 62.1 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 53.3 | 49.0 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 61.4 | 58.7 | 60.5 | 61.2 | 62.3 |
| 3 | 53.4 | 49.2 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 61.4 | 59.5 | 60.5 | 61.4 | 62.8 |
| 4 | 53.4 | 49.2 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 61.4 | 59.6 | 60.5 | 61.4 | 62.8 |
| 5 | 53.6 | 49.5 | 45.9 | 44.7 | 47.4 | 52.6 | 55.6 | 61.4 | 59.8 | 61.0 | 61.1 | 62.4 |
| 6 | 53.3 | 49.0 | 46.2 | 44.7 | 47.4 | 52.6 | 55.6 | 61.4 | 57.6 | 60.5 | 61.2 | 61.1 |
| 8 | 53.4 | 49.0 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 61.4 | 58.4 | 60.4 | 61.1 | 62.3 |

Predicted Water Temperature
Sacramento River at Vina, Dry Year (1964)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 53.3 | 50.4 | 45.7 | 44.2 | 50.0 | 51.7 | 54.7 | 56.7 | 58.4 | 59.9 | 59.4 | 60.3 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 52.3 | 50.6 | 45.7 | 44.2 | 50.2 | 51.8 | 54.9 | 57.3 | 57.0 | 59.9 | 60.2 | 61.8 |
| 3 | 52.3 | 50.6 | 45.7 | 44.2 | 50.2 | 51.8 | 54.9 | 57.3 | 57.2 | 59.9 | 60.2 | 61.1 |
| 4 | 52.3 | 50.6 | 45.7 | 44.2 | 50.2 | 51.8 | 54.9 | 57.3 | 57.2 | 59.9 | 60.2 | 61.1 |
| 5 | 52.3 | 50.6 | 45.7 | 44.2 | 50.0 | 51.8 | 54.9 | 57.3 | 57.7 | 60.0 | 60.2 | 61.8 |
| 6 | 53.0 | 50.4 | 45.7 | 44.2 | 50.3 | 51.9 | 54.9 | 57.3 | 56.7 | 60.7 | 59.1 | 61.1 |
| 8 | 52.3 | 50.6 | 45.7 | 44.2 | 50.3 | 51.7 | 54.9 | 57.3 | 56.8 | 59.9 | 60.1 | 59.9 |

Predicted Water Temperature
Sacramento River at Vina, Critical Year (1992)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.5 | 52.9 | 46.2 | 43.6 | 48.2 | 51.8 | 57.6 | 61.1 | 60.3 | 61.5 | 61.2 | 62.0 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 60.4 | 53.1 | 46.1 | 43.6 | 48.2 | 51.9 | 56.8 | 60.7 | 58.9 | 62.2 | 64.1 | 61.4 |
| 3 | 60.1 | 53.1 | 46.1 | 43.6 | 48.2 | 51.8 | 57.1 | 60.8 | 59.3 | 61.3 | 64.1 | 61.1 |
| 4 | 59.9 | 53.0 | 46.1 | 43.6 | 48.2 | 51.8 | 57.0 | 60.7 | 59.0 | 60.6 | 64.1 | 61.6 |
| 5 | 59.3 | 52.8 | 46.1 | 43.6 | 48.1 | 51.8 | 57.6 | 61.5 | 58.6 | 62.0 | 62.5 | 60.5 |
| 6 | 60.7 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 57.0 | 60.7 | 59.0 | 62.3 | 64.1 | 61.4 |
| 8 | 60.7 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 57.2 | 60.7 | 59.1 | 62.5 | 64.1 | 61.2 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.6 | 53.8 | 49.6 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.0 | 69.3 | 64.1 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 56.9 | 53.8 | 49.4 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.5 | 69.2 | 64.1 |
| 3 | 56.9 | 53.8 | 49.6 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.6 | 69.2 | 64.1 |
| 4 | 56.9 | 53.8 | 49.7 | 47.7 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.6 | 69.2 | 64.1 |
| 5 | 56.9 | 53.8 | 49.8 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.9 | 69.2 | 64.4 |
| 6 | 56.9 | 53.8 | 49.5 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.5 | 69.2 | 64.1 |
| 8 | 57.0 | 53.8 | 49.5 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 69.5 | 69.2 | 64.1 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Above Normal Year (1928)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.2 | 53.0 | 45.8 | 46.0 | 49.6 | 49.3 | 56.6 | 63.7 | 66.6 | 68.4 | 67.3 | 66.0 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.2 | 53.0 | 45.8 | 46.1 | 49.0 | 49.3 | 56.6 | 61.8 | 66.0 | 66.3 | 66.7 | 64.9 |
| 3 | 61.2 | 53.0 | 45.8 | 46.2 | 49.0 | 49.3 | 56.6 | 61.8 | 66.1 | 66.4 | 66.6 | 64.9 |
| 4 | 61.2 | 53.0 | 45.8 | 46.2 | 49.0 | 49.3 | 56.6 | 61.8 | 66.1 | 66.4 | 66.6 | 64.9 |
| 5 | 61.2 | 52.8 | 45.7 | 46.2 | 49.0 | 49.3 | 56.6 | 62.3 | 67.3 | 66.8 | 67.6 | 64.9 |
| 6 | 61.2 | 53.0 | 45.8 | 46.0 | 49.0 | 49.3 | 56.6 | 62.1 | 66.2 | 66.4 | 66.7 | 64.9 |
| 8 | 61.2 | 53.0 | 45.8 | 46.0 | 49.5 | 49.2 | 56.6 | 62.4 | 66.1 | 66.4 | 66.4 | 64.9 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Below Normal Year (1979)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 68.0 | 71.0 | 67.6 | 67.2 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 64.8 | 68.3 | 70.0 | 67.2 |
| 3 | 62.5 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.2 | 68.3 | 70.0 | 67.2 |
| 4 | 62.5 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.2 | 68.3 | 70.0 | 67.2 |
| 5 | 61.1 | 51.6 | 44.1 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.0 | 69.5 | 70.0 | 67.2 |
| 6 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.6 | 67.7 | 70.0 | 67.2 |
| 8 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.1 | 67.7 | 69.5 | 67.2 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Dry Year (1964)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.5 | 52.1 | 42.7 | 45.6 | 50.9 | 52.8 | 55.5 | 60.4 | 67.2 | 70.3 | 69.0 | 65.5 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.5 | 52.1 | 42.6 | 45.3 | 50.9 | 52.8 | 56.4 | 62.4 | 66.0 | 68.5 | 68.1 | 64.3 |
| 3 | 61.5 | 52.1 | 42.6 | 45.4 | 50.9 | 52.8 | 56.4 | 61.9 | 66.2 | 68.6 | 68.1 | 64.5 |
| 4 | 61.5 | 52.1 | 42.6 | 45.4 | 50.9 | 52.8 | 56.4 | 61.9 | 66.2 | 68.6 | 68.1 | 64.5 |
| 5 | 61.5 | 52.1 | 42.7 | 45.6 | 50.9 | 52.8 | 56.4 | 61.9 | 66.7 | 68.7 | 68.0 | 65.0 |
| 6 | 61.5 | 52.1 | 42.6 | 45.3 | 50.9 | 52.8 | 56.4 | 62.1 | 66.0 | 68.5 | 68.1 | 64.6 |
| 8 | 61.5 | 52.1 | 42.6 | 45.1 | 50.9 | 53.3 | 56.4 | 61.9 | 66.2 | 68.5 | 68.0 | 64.8 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Critical Year (1992)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 62.5 | 53.2 | 45.6 | 44.0 | 52.2 | 55.5 | 58.0 | 65.8 | 68.0 | 70.7 | 70.6 | 65.3 |

| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 62.3 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 66.0 | 67.9 | 70.9 | 69.0 | 65.9 |
| 3 | 62.4 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 64.4 | 67.9 | 70.9 | 69.0 | 65.9 |
| 4 | 62.4 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 64.9 | 67.9 | 70.9 | 69.0 | 65.9 |
| 5 | 62.0 | 53.3 | 46.2 | 43.9 | 52.2 | 55.5 | 58.0 | 65.7 | 67.8 | 70.8 | 69.0 | 65.6 |
| 6 | 62.4 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 66.2 | 67.9 | 70.9 | 69.0 | 65.9 |
| 8 | 62.2 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 65.9 | 67.9 | 70.9 | 69.0 | 65.9 |

Predicted Water Temperature
Feather River at Honcut Creek, Wet Year (1942)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.0 | 53.9 | 49.5 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 71.8 | 70.8 | 66.5 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 57.4 | 53.9 | 49.3 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.4 | 72.1 | 66.5 |
| 3 | 57.4 | 53.9 | 49.5 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.5 | 72.1 | 66.5 |
| 4 | 57.4 | 53.9 | 49.6 | 47.6 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.5 | 72.1 | 66.5 |
| 5 | 57.4 | 53.9 | 49.7 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 74.6 | 72.1 | 65.7 |
| 6 | 57.4 | 53.9 | 49.4 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.4 | 72.1 | 66.5 |
| 8 | 57.4 | 53.9 | 49.4 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 71.3 | 72.1 | 66.5 |

Predicted Water Temperature
Feather River at Honcut Creek, Above Normal Year (1928)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 61.4 | 52.9 | 45.4 | 45.9 | 49.8 | 49.7 | 58.4 | 66.5 | 68.2 | 69.7 | 68.5 | 67.2 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 61.4 | 52.9 | 45.4 | 46.0 | 49.2 | 49.7 | 58.4 | 63.1 | 67.6 | 67.5 | 67.8 | 66.8 |
| 3 | 61.4 | 52.9 | 45.4 | 46.0 | 49.2 | 49.7 | 58.4 | 63.1 | 67.7 | 67.6 | 67.8 | 66.8 |
| 4 | 61.4 | 52.9 | 45.4 | 46.0 | 49.2 | 49.7 | 58.4 | 63.1 | 67.7 | 67.6 | 67.8 | 66.8 |
| 5 | 61.4 | 52.8 | 45.3 | 46.1 | 49.2 | 49.7 | 58.4 | 63.6 | 69.0 | 68.0 | 68.8 | 66.8 |
| 6 | 61.4 | 52.9 | 45.4 | 45.9 | 49.2 | 49.7 | 58.4 | 63.4 | 67.7 | 67.6 | 67.9 | 66.8 |
| 8 | 61.4 | 52.9 | 45.4 | 45.9 | 49.7 | 49.6 | 58.4 | 63.8 | 67.7 | 67.6 | 67.5 | 66.8 |

Predicted Water Temperature
Feather River at Honcut Creek, Below Normal Year (1979)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 71.2 | 72.6 | 68.8 | 69.5 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.4 | 69.7 | 71.5 | 69.5 |
| 3 | 63.4 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.8 | 69.7 | 71.5 | 69.5 |
| 4 | 63.4 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.8 | 69.7 | 71.5 | 69.5 |
| 5 | 61.9 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.5 | 70.9 | 71.4 | 69.5 |
| 6 | 63.3 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 67.2 | 69.1 | 71.5 | 69.5 |
| 8 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.6 | 69.0 | 70.8 | 69.5 |

Predicted Water Temperature
Feather River at Honcut Creek, Dry Year (1964)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 61.9 | 52.0 | 42.2 | 45.4 | 51.2 | 53.2 | 56.7 | 61.5 | 69.5 | 71.7 | 70.3 | 66.4 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 61.9 | 52.0 | 42.2 | 45.2 | 51.2 | 53.2 | 58.8 | 64.3 | 67.4 | 69.9 | 69.4 | 65.2 |
| 3 | 61.9 | 52.0 | 42.2 | 45.2 | 51.2 | 53.2 | 58.8 | 64.2 | 67.6 | 70.0 | 69.4 | 65.4 |
| 4 | 61.9 | 52.0 | 42.2 | 45.2 | 51.2 | 53.2 | 58.8 | 64.2 | 67.6 | 70.0 | 69.4 | 65.4 |
| 5 | 61.9 | 52.0 | 42.2 | 45.4 | 51.2 | 53.2 | 58.8 | 64.2 | 68.2 | 70.1 | 69.3 | 65.9 |
| 6 | 61.9 | 52.0 | 42.2 | 45.2 | 51.2 | 53.2 | 58.8 | 64.2 | 67.4 | 69.9 | 69.4 | 65.5 |
| 8 | 61.9 | 52.0 | 42.2 | 45.0 | 51.2 | 53.7 | 58.8 | 64.2 | 67.6 | 69.9 | 69.3 | 65.7 |

Predicted Water Temperature
Feather River at Honcut Creek, Critical Year (1992)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 63.6 | 53.4 | 45.4 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.9 | 72.3 | 73.6 | 67.6 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 63.5 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.7 | 72.6 | 73.4 | 67.8 |
| 3 | 63.6 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.0 | 69.8 | 72.7 | 73.4 | 67.8 |
| 4 | 63.6 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.0 | 69.9 | 72.8 | 73.4 | 67.8 |
| 5 | 63.4 | 53.5 | 45.7 | 43.5 | 53.1 | 56.9 | 61.3 | 69.1 | 69.6 | 72.5 | 73.4 | 67.7 |
| 6 | 63.6 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.2 | 69.7 | 72.7 | 73.4 | 67.8 |
| 8 | 63.5 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.8 | 72.7 | 73.4 | 67.8 |

Predicted Water Temperature
Feather River at the Mouth, Wet Year (1942)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.2 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.5 | 73.7 | 70.8 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 58.7 | 53.2 | 48.6 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.7 | 74.9 | 70.8 |
| 3 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.8 | 74.9 | 70.8 |
| 4 | 58.7 | 53.2 | 48.9 | 46.8 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.8 | 74.9 | 70.8 |
| 5 | 58.7 | 53.1 | 49.0 | 46.9 | 48.3 | 52.6 | 55.6 | 61.8 | 69.5 | 76.2 | 74.5 | 69.6 |
| 6 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.7 | 74.9 | 70.8 |
| 8 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.2 | 74.9 | 70.8 |

Predicted Water Temperature
Feather River at the Mouth, Above Normal Year (1928)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 60.6 | 51.7 | 44.1 | 45.8 | 50.1 | 51.6 | 57.4 | 67.6 | 71.5 | 72.7 | 71.3 | 69.0 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.0 | 71.1 | 71.0 | 70.8 | 69.2 |
| 3 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.0 | 71.2 | 71.0 | 70.8 | 69.2 |
| 4 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.0 | 71.2 | 71.0 | 70.8 | 69.2 |
| 5 | 60.6 | 51.9 | 43.9 | 45.8 | 49.6 | 51.6 | 57.4 | 66.2 | 71.2 | 71.3 | 71.4 | 69.1 |
| 6 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.1 | 71.2 | 71.1 | 70.8 | 69.2 |
| 8 | 60.6 | 51.7 | 44.1 | 45.8 | 50.0 | 51.6 | 57.4 | 66.3 | 71.2 | 71.0 | 70.5 | 69.2 |

Predicted Water Temperature
Feather River at the Mouth, Below Normal Year (1979)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 64.7 | 51.2 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 74.1 | 75.2 | 71.5 | 71.7 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.5 | 73.3 | 72.9 | 71.7 |
| 3 | 64.6 | 51.2 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.8 | 73.3 | 72.9 | 71.7 |
| 4 | 64.6 | 51.2 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.8 | 73.3 | 72.9 | 71.7 |
| 5 | 63.6 | 51.1 | 43.7 | 45.7 | 48.3 | 53.9 | 58.7 | 68.3 | 70.4 | 74.0 | 72.7 | 71.6 |
| 6 | 64.7 | 51.2 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 71.1 | 72.8 | 72.9 | 71.7 |
| 8 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.7 | 72.8 | 72.6 | 71.7 |

Predicted Water Temperature
Feather River at the Mouth, Dry Year (1964)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 59.4 | 64.5 | 71.4 | 74.6 | 73.0 | 68.1 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.6 | 70.2 | 73.4 | 72.4 | 67.4 |
| 3 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.7 | 70.3 | 73.4 | 72.4 | 67.6 |
| 4 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.7 | 70.3 | 73.4 | 72.4 | 67.6 |
| 5 | 61.9 | 51.0 | 42.3 | 45.4 | 50.3 | 53.5 | 60.6 | 66.1 | 70.2 | 73.4 | 72.3 | 67.8 |
| 6 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.7 | 70.2 | 73.4 | 72.4 | 67.7 |
| 8 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.8 | 61.2 | 66.7 | 70.3 | 73.4 | 72.4 | 67.8 |

Predicted Water Temperature
Feather River at the Mouth, Critical Year (1992)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 65.7 | 54.3 | 45.3 | 44.6 | 50.6 | 55.2 | 62.2 | 74.1 | 73.6 | 75.6 | 78.2 | 72.9 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.0 | 73.3 | 76.0 | 78.6 | 72.7 |
| 3 | 65.8 | 54.5 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.5 | 73.5 | 76.1 | 78.6 | 72.7 |
| 4 | 65.7 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.4 | 73.5 | 76.1 | 78.6 | 72.7 |
| 5 | 65.7 | 54.4 | 45.6 | 44.6 | 50.5 | 55.0 | 61.7 | 72.4 | 72.4 | 75.4 | 78.1 | 72.6 |
| 6 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 73.9 | 73.4 | 76.0 | 78.6 | 72.7 |
| 8 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.0 | 73.5 | 76.0 | 78.6 | 72.7 |

**Predicted Water Temperature
American River at Nimbus, Wet Year (1942)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 55.9 | 55.8 | 50.6 | 46.4 | 46.8 | 52.1 | 55.1 | 57.7 | 62.7 | 65.8 | 65.9 | 64.3 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 55.9 | 55.7 | 50.6 | 46.4 | 46.8 | 52.1 | 55.1 | 57.7 | 62.7 | 66.4 | 65.3 | 64.3 |
| 3 | 55.9 | 55.6 | 50.6 | 46.4 | 46.8 | 52.2 | 55.0 | 57.7 | 62.7 | 66.4 | 65.3 | 64.3 |
| 4 | 55.9 | 55.6 | 50.6 | 46.4 | 46.9 | 52.3 | 55.0 | 57.7 | 62.7 | 66.4 | 65.3 | 64.3 |
| 5 | 55.9 | 55.6 | 50.6 | 46.4 | 46.9 | 52.3 | 55.0 | 57.7 | 62.7 | 66.4 | 65.3 | 64.3 |
| 6 | 55.9 | 55.5 | 50.6 | 46.4 | 46.9 | 52.3 | 55.0 | 57.7 | 62.7 | 66.4 | 65.3 | 64.3 |
| 8 | 55.9 | 55.6 | 50.6 | 46.4 | 46.8 | 52.2 | 55.0 | 57.7 | 62.8 | 66.4 | 65.4 | 64.3 |

**Predicted Water Temperature
American River at Nimbus, Above Normal Year (1928)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 56.5 | 55.2 | 49.8 | 47.5 | 48.9 | 53.7 | 55.4 | 62.8 | 66.3 | 65.8 | 66.5 | 67.6 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 56.5 | 55.0 | 49.8 | 47.5 | 48.9 | 53.7 | 55.4 | 62.6 | 66.2 | 66.4 | 66.5 | 66.9 |
| 3 | 56.5 | 55.0 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.6 | 66.3 | 66.3 | 67.1 | 66.9 |
| 4 | 56.5 | 55.0 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.6 | 66.3 | 66.3 | 67.1 | 66.9 |
| 5 | 56.5 | 55.0 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.7 | 65.7 | 67.0 | 67.2 | 66.9 |
| 6 | 56.9 | 54.8 | 49.8 | 47.4 | 48.9 | 53.7 | 55.3 | 62.6 | 65.4 | 66.1 | 67.0 | 65.5 |
| 8 | 56.5 | 55.0 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.6 | 66.1 | 66.5 | 66.8 | 67.3 |

**Predicted Water Temperature
American River at Nimbus, Below Normal Year (1979)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.0 | 57.8 | 49.6 | 46.7 | 47.5 | 54.8 | 57.6 | 60.9 | 65.0 | 66.2 | 66.2 | 67.3 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 58.0 | 57.8 | 49.6 | 46.7 | 47.5 | 54.9 | 57.6 | 60.9 | 64.6 | 65.8 | 66.7 | 67.3 |
| 3 | 57.8 | 57.7 | 49.6 | 46.7 | 47.5 | 54.9 | 57.6 | 60.9 | 64.8 | 65.9 | 66.5 | 66.8 |
| 4 | 57.8 | 57.7 | 49.6 | 46.7 | 47.5 | 54.9 | 57.5 | 60.9 | 64.7 | 65.9 | 66.5 | 66.8 |
| 5 | 57.8 | 57.8 | 49.6 | 46.7 | 47.5 | 54.8 | 57.6 | 61.0 | 64.9 | 66.1 | 66.3 | 66.6 |
| 6 | 57.8 | 57.7 | 49.7 | 46.7 | 47.6 | 54.7 | 57.6 | 60.9 | 64.4 | 65.8 | 66.2 | 66.3 |
| 8 | 57.8 | 57.8 | 49.6 | 46.7 | 47.5 | 54.9 | 57.5 | 60.9 | 64.5 | 65.8 | 66.6 | 67.4 |

**Predicted Water Temperature
American River at Nimbus, Dry Year (1964)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 56.5 | 55.7 | 47.5 | 45.1 | 47.6 | 51.0 | 56.3 | 61.7 | 65.9 | 66.2 | 65.3 | 67.6 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 56.5 | 55.6 | 47.5 | 45.1 | 47.8 | 51.3 | 55.6 | 62.2 | 63.8 | 65.9 | 65.8 | 65.9 |
| 3 | 56.5 | 55.5 | 47.5 | 45.2 | 47.7 | 51.2 | 55.6 | 61.8 | 63.6 | 65.9 | 65.8 | 66.0 |
| 4 | 56.5 | 55.4 | 47.5 | 45.2 | 47.7 | 51.2 | 55.7 | 61.8 | 63.6 | 65.9 | 65.8 | 66.0 |
| 5 | 56.5 | 55.6 | 47.5 | 45.1 | 47.6 | 51.0 | 56.2 | 61.7 | 64.1 | 66.3 | 65.7 | 65.0 |
| 6 | 56.5 | 55.6 | 47.5 | 45.2 | 47.8 | 51.5 | 56.0 | 61.0 | 63.8 | 64.0 | 68.2 | 65.8 |
| 8 | 56.5 | 55.5 | 47.5 | 45.2 | 47.7 | 51.3 | 55.6 | 61.8 | 63.6 | 65.6 | 66.2 | 65.7 |

**Predicted Water Temperature
American River at Nimbus, Critical Year (1992)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 66.0 | 62.1 | 52.4 | 47.4 | 51.3 | 56.6 | 61.8 | 67.2 | 66.8 | 65.6 | 71.8 | 71.6 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 65.7 | 62.1 | 52.0 | 47.1 | 51.2 | 56.6 | 62.7 | 66.7 | 64.9 | 68.4 | 76.1 | 72.1 |
| 3 | 64.4 | 62.5 | 52.5 | 47.4 | 51.4 | 56.5 | 61.1 | 66.7 | 65.3 | 67.0 | 76.1 | 72.2 |
| 4 | 66.0 | 61.9 | 51.9 | 47.0 | 51.1 | 56.2 | 63.0 | 67.0 | 65.3 | 68.1 | 76.1 | 72.2 |
| 5 | 64.7 | 62.4 | 52.4 | 47.3 | 51.2 | 56.7 | 61.8 | 68.1 | 65.4 | 66.0 | 74.8 | 71.6 |
| 6 | 65.2 | 62.2 | 52.2 | 47.2 | 50.8 | 57.1 | 61.8 | 66.8 | 64.9 | 68.5 | 76.1 | 72.2 |
| 8 | 65.2 | 62.2 | 52.2 | 47.2 | 50.8 | 57.1 | 61.9 | 66.7 | 64.9 | 68.1 | 76.1 | 72.1 |

**Predicted Water Temperature
American River at Watt Avenue, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Sep | |
| 1 | 56.7 | 55.6 | 50.4 | 46.4 | 47.0 | 52.5 | 55.7 | 58.4 | 63.8 | 67.4 | 67.3 | 64.9 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 56.7 | 55.5 | 50.4 | 46.4 | 47.0 | 52.5 | 55.7 | 58.4 | 63.8 | 68.3 | 66.5 | 64.9 |
| 3 | 56.7 | 55.5 | 50.4 | 46.4 | 47.0 | 52.6 | 55.6 | 58.4 | 63.8 | 68.3 | 66.5 | 64.9 |
| 4 | 56.7 | 55.5 | 50.4 | 46.4 | 47.1 | 52.7 | 55.6 | 58.4 | 63.8 | 68.3 | 66.5 | 64.9 |
| 5 | 56.7 | 55.5 | 50.4 | 46.4 | 47.1 | 52.7 | 55.6 | 58.4 | 63.8 | 68.3 | 66.5 | 64.9 |
| 6 | 56.7 | 55.4 | 50.4 | 46.4 | 47.1 | 52.7 | 55.6 | 58.4 | 63.8 | 68.3 | 66.5 | 64.9 |
| 8 | 56.7 | 55.5 | 50.4 | 46.4 | 47.0 | 52.6 | 55.6 | 58.4 | 63.9 | 68.2 | 66.6 | 64.9 |

**Predicted Water Temperature
American River at Watt Avenue, Above Normal Year (1928)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.6 | 55.0 | 49.2 | 47.3 | 49.5 | 53.9 | 56.0 | 64.3 | 67.7 | 67.0 | 67.7 | 68.6 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.6 | 54.9 | 49.2 | 47.3 | 49.5 | 53.9 | 56.0 | 63.8 | 67.5 | 67.6 | 68.0 | 68.0 |
| 3 | 57.6 | 54.9 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 63.8 | 67.6 | 67.5 | 68.6 | 68.0 |
| 4 | 57.6 | 54.9 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 63.8 | 67.6 | 67.5 | 68.6 | 68.0 |
| 5 | 57.6 | 54.9 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 64.0 | 66.9 | 68.5 | 68.7 | 68.0 |
| 6 | 58.1 | 54.7 | 49.2 | 47.2 | 49.5 | 53.9 | 55.9 | 63.8 | 66.5 | 67.4 | 68.5 | 66.5 |
| 8 | 57.6 | 54.9 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 63.9 | 67.4 | 67.7 | 68.3 | 68.4 |

**Predicted Water Temperature
American River at Watt Avenue, Below Normal Year (1979)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.9 | 56.8 | 48.5 | 46.4 | 47.8 | 55.0 | 58.2 | 62.1 | 66.6 | 68.0 | 67.6 | 69.0 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.9 | 56.8 | 48.5 | 46.4 | 47.8 | 55.1 | 58.2 | 62.1 | 65.9 | 67.4 | 68.2 | 69.0 |
| 3 | 58.8 | 56.7 | 48.5 | 46.4 | 47.8 | 55.1 | 58.2 | 62.1 | 66.2 | 67.6 | 68.0 | 68.4 |
| 4 | 58.8 | 56.7 | 48.5 | 46.4 | 47.8 | 55.1 | 58.1 | 62.1 | 66.1 | 67.6 | 68.0 | 68.4 |
| 5 | 58.8 | 56.8 | 48.5 | 46.4 | 47.8 | 55.0 | 58.2 | 62.2 | 66.4 | 67.8 | 67.8 | 68.2 |
| 6 | 58.8 | 56.7 | 48.8 | 46.4 | 47.9 | 55.0 | 58.2 | 62.1 | 65.5 | 67.4 | 67.8 | 67.8 |
| 8 | 58.8 | 56.8 | 48.5 | 46.4 | 47.8 | 55.1 | 58.1 | 62.1 | 65.7 | 67.4 | 68.1 | 69.1 |

**Predicted Water Temperature
American River at Watt Avenue, Dry Year (1964)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.4 | 55.3 | 46.6 | 45.0 | 48.0 | 51.7 | 58.0 | 62.6 | 67.3 | 68.1 | 66.7 | 68.7 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.4 | 55.2 | 46.6 | 45.0 | 48.1 | 51.9 | 57.5 | 63.5 | 64.9 | 67.3 | 67.4 | 66.7 |
| 3 | 57.4 | 55.1 | 46.6 | 45.1 | 48.0 | 51.9 | 57.5 | 62.7 | 64.8 | 67.5 | 67.5 | 66.7 |
| 4 | 57.4 | 55.1 | 46.6 | 45.1 | 48.0 | 51.9 | 57.6 | 62.7 | 64.8 | 67.5 | 67.5 | 66.7 |
| 5 | 57.4 | 55.2 | 46.6 | 45.0 | 48.0 | 51.7 | 57.9 | 62.6 | 65.4 | 68.0 | 67.4 | 65.7 |
| 6 | 57.4 | 55.2 | 46.6 | 45.1 | 48.1 | 52.0 | 57.8 | 62.7 | 64.8 | 65.5 | 70.1 | 66.9 |
| 8 | 57.4 | 55.1 | 46.6 | 45.1 | 48.0 | 52.0 | 57.5 | 62.7 | 64.7 | 67.2 | 67.7 | 66.9 |

**Predicted Water Temperature
American River at Watt Avenue, Critical Year (1992)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 66.1 | 61.0 | 51.3 | 46.7 | 51.9 | 57.0 | 63.2 | 69.3 | 68.4 | 67.3 | 73.2 | 71.3 |
| Flow Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 65.9 | 61.2 | 50.9 | 46.5 | 51.8 | 57.0 | 63.7 | 68.5 | 66.0 | 70.7 | 76.0 | 71.5 |
| 3 | 64.8 | 61.5 | 51.4 | 46.7 | 52.0 | 56.9 | 62.5 | 68.6 | 66.5 | 68.6 | 76.0 | 71.5 |
| 4 | 66.1 | 61.0 | 50.8 | 46.4 | 51.7 | 56.7 | 63.9 | 68.8 | 66.6 | 69.9 | 76.0 | 71.5 |
| 5 | 65.0 | 61.4 | 51.3 | 46.6 | 51.8 | 57.1 | 63.2 | 70.2 | 66.7 | 67.8 | 75.5 | 71.3 |
| 6 | 65.4 | 61.3 | 51.1 | 46.5 | 51.5 | 57.4 | 62.9 | 68.6 | 66.0 | 70.8 | 76.0 | 71.5 |
| 8 | 65.4 | 61.3 | 51.1 | 46.5 | 51.5 | 57.4 | 63.1 | 68.5 | 66.0 | 70.3 | 76.0 | 71.5 |

Predicted Water Temperature
American River at the Mouth, Wet Year (1942)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 57.1 | 55.5 | 50.3 | 46.3 | 47.1 | 52.8 | 56.0 | 58.8 | 64.4 | 68.3 | 68.0 | 65.2 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 57.1 | 55.5 | 50.3 | 46.3 | 47.1 | 52.8 | 56.0 | 58.8 | 64.4 | 69.2 | 67.2 | 65.2 |
| 3 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 52.9 | 55.9 | 58.8 | 64.4 | 69.2 | 67.2 | 65.2 |
| 4 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 53.0 | 55.9 | 58.8 | 64.4 | 69.2 | 67.2 | 65.2 |
| 5 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 53.0 | 55.9 | 58.8 | 64.4 | 69.2 | 67.2 | 65.2 |
| 6 | 57.1 | 55.3 | 50.3 | 46.3 | 47.1 | 53.0 | 55.9 | 58.8 | 64.4 | 69.2 | 67.2 | 65.2 |
| 8 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 52.9 | 55.9 | 58.8 | 64.5 | 69.2 | 67.3 | 65.2 |

Predicted Water Temperature
American River at the Mouth, Above Normal Year (1928)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.2 | 54.9 | 48.9 | 47.2 | 49.8 | 54.0 | 56.3 | 65.0 | 68.4 | 67.7 | 68.4 | 69.1 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 58.2 | 54.8 | 48.9 | 47.2 | 49.8 | 54.0 | 56.3 | 64.5 | 68.2 | 68.2 | 68.7 | 68.5 |
| 3 | 58.2 | 54.8 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.5 | 68.4 | 68.2 | 69.3 | 68.6 |
| 4 | 58.2 | 54.8 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.5 | 68.4 | 68.2 | 69.3 | 68.6 |
| 5 | 58.2 | 54.8 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.8 | 67.6 | 69.3 | 69.4 | 68.6 |
| 6 | 58.8 | 54.6 | 48.9 | 47.1 | 49.8 | 54.0 | 56.2 | 64.5 | 67.1 | 68.1 | 69.4 | 67.1 |
| 8 | 58.2 | 54.8 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.5 | 68.1 | 68.3 | 69.1 | 68.9 |

Predicted Water Temperature
American River at the Mouth, Below Normal Year (1979)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.5 | 56.2 | 47.9 | 46.2 | 48.0 | 55.2 | 58.5 | 62.8 | 67.4 | 69.0 | 68.4 | 69.8 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.5 | 56.2 | 47.9 | 46.2 | 48.0 | 55.3 | 58.5 | 62.8 | 66.6 | 68.3 | 69.0 | 69.9 |
| 3 | 59.3 | 56.1 | 47.9 | 46.2 | 48.0 | 55.3 | 58.5 | 62.8 | 67.0 | 68.5 | 68.8 | 69.2 |
| 4 | 59.3 | 56.1 | 47.9 | 46.2 | 48.0 | 55.3 | 58.5 | 62.8 | 66.9 | 68.5 | 68.8 | 69.2 |
| 5 | 59.3 | 56.2 | 47.9 | 46.2 | 48.0 | 55.2 | 58.5 | 62.9 | 67.1 | 68.8 | 68.6 | 69.0 |
| 6 | 59.3 | 56.1 | 48.2 | 46.2 | 48.1 | 55.1 | 58.5 | 62.8 | 66.1 | 68.3 | 68.7 | 68.6 |
| 8 | 59.3 | 56.2 | 47.9 | 46.2 | 48.0 | 55.3 | 58.5 | 62.8 | 66.4 | 68.3 | 68.9 | 69.9 |

Predicted Water Temperature
American River at the Mouth, Dry Year (1964)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.0 | 55.1 | 46.1 | 45.0 | 48.2 | 52.1 | 58.9 | 63.2 | 68.0 | 69.1 | 67.5 | 69.1 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 58.0 | 55.0 | 46.1 | 45.0 | 48.3 | 52.3 | 58.5 | 64.1 | 65.5 | 68.1 | 68.3 | 67.1 |
| 3 | 58.0 | 54.9 | 46.1 | 45.0 | 48.2 | 52.2 | 58.5 | 63.2 | 65.5 | 68.4 | 68.4 | 67.1 |
| 4 | 58.0 | 54.9 | 46.1 | 45.0 | 48.2 | 52.2 | 58.5 | 63.2 | 65.5 | 68.4 | 68.4 | 67.1 |
| 5 | 58.0 | 55.0 | 46.1 | 45.0 | 48.2 | 52.1 | 58.8 | 63.2 | 66.1 | 68.9 | 68.3 | 66.0 |
| 6 | 58.0 | 55.0 | 46.1 | 45.0 | 48.3 | 52.3 | 58.7 | 63.5 | 65.3 | 66.3 | 71.1 | 67.5 |
| 8 | 58.0 | 54.9 | 46.1 | 45.0 | 48.2 | 52.3 | 58.5 | 63.2 | 65.3 | 68.0 | 68.6 | 67.5 |

Predicted Water Temperature
American River at the Mouth, Critical Year (1992)

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 66.1 | 60.4 | 50.6 | 46.3 | 52.2 | 57.2 | 63.8 | 70.2 | 69.2 | 68.2 | 73.9 | 71.2 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 65.9 | 60.7 | 50.3 | 46.1 | 52.1 | 57.2 | 64.1 | 69.4 | 66.6 | 71.9 | 75.9 | 71.2 |
| 3 | 65.0 | 61.0 | 50.7 | 46.3 | 52.3 | 57.1 | 63.2 | 69.5 | 67.2 | 69.5 | 75.9 | 71.2 |
| 4 | 66.1 | 60.5 | 50.3 | 46.0 | 52.1 | 56.9 | 64.2 | 69.7 | 67.3 | 70.8 | 75.9 | 71.2 |
| 5 | 65.2 | 60.9 | 50.6 | 46.2 | 52.1 | 57.2 | 63.8 | 71.0 | 67.3 | 68.7 | 75.7 | 71.2 |
| 6 | 65.6 | 60.7 | 50.5 | 46.2 | 51.8 | 57.5 | 63.5 | 69.5 | 66.6 | 72.0 | 75.9 | 71.2 |
| 8 | 65.6 | 60.7 | 50.5 | 46.2 | 51.8 | 57.5 | 63.7 | 69.4 | 66.6 | 71.4 | 75.9 | 71.2 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Wet Year (1980)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.6 | 56.9 | 52.4 | 47.5 | 46.3 | 48.5 | 49.5 | 51.2 | 53.5 | 55.8 | 56.6 | 57.4 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 58.5 | 56.5 | 52.0 | 48.8 | 46.1 | 48.2 | 48.5 | 50.3 | 52.1 | 54.5 | 55.3 | 56.4 |
| 3 | 58.9 | 57.0 | 52.4 | 48.5 | 46.2 | 48.3 | 48.9 | 50.7 | 52.7 | 55.1 | 55.9 | 57.0 |
| 4 | 59.1 | 57.2 | 52.5 | 49.0 | 46.3 | 48.3 | 49.0 | 50.8 | 52.8 | 55.3 | 56.1 | 57.2 |
| 5 | 58.9 | 57.0 | 52.5 | 49.2 | 46.3 | 48.3 | 48.8 | 50.6 | 52.6 | 55.0 | 56.1 | 57.0 |
| 6 | 58.7 | 56.8 | 52.6 | 47.4 | 46.3 | 48.6 | 49.5 | 51.2 | 53.6 | 55.9 | 56.4 | 57.5 |
| 8 | 59.0 | 57.0 | 52.9 | 50.6 | 48.9 | 48.1 | 47.9 | 49.2 | 50.9 | 54.1 | 55.4 | 56.6 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Above Normal Year (1963)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.5 | 57.7 | 52.8 | 46.4 | 50.3 | 50.1 | 50.3 | 51.6 | 53.8 | 55.7 | 56.7 | 57.7 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 60.0 | 58.1 | 52.1 | 46.7 | 50.6 | 49.7 | 49.8 | 51.2 | 54.0 | 56.0 | 56.7 | 58.3 |
| 3 | 58.5 | 57.2 | 51.7 | 46.6 | 50.5 | 49.8 | 50.0 | 51.3 | 54.1 | 56.5 | 57.0 | 58.3 |
| 4 | 59.2 | 57.7 | 51.9 | 46.7 | 50.5 | 49.8 | 50.0 | 51.3 | 54.2 | 56.5 | 57.0 | 58.3 |
| 5 | 58.5 | 57.5 | 51.8 | 46.6 | 48.4 | 51.2 | 50.0 | 51.7 | 54.5 | 56.4 | 57.1 | 58.0 |
| 6 | 58.4 | 57.4 | 51.7 | 46.5 | 50.4 | 50.2 | 50.4 | 51.7 | 53.7 | 55.3 | 56.2 | 57.4 |
| 8 | 58.4 | 57.2 | 52.3 | 46.6 | 49.6 | 50.9 | 49.5 | 50.9 | 53.9 | 55.4 | 55.8 | 57.1 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Below Normal Year (1950)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.2 | 58.6 | 53.4 | 48.4 | 48.9 | 49.8 | 51.5 | 52.8 | 54.3 | 56.4 | 57.5 | 58.2 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.1 | 58.0 | 52.0 | 48.2 | 49.1 | 49.8 | 50.7 | 52.3 | 55.0 | 57.1 | 58.3 | 59.4 |
| 3 | 58.6 | 57.6 | 51.7 | 48.0 | 48.9 | 49.8 | 50.9 | 51.8 | 54.9 | 57.1 | 57.6 | 58.6 |
| 4 | 58.9 | 57.9 | 51.8 | 48.1 | 49.0 | 49.8 | 50.6 | 52.2 | 55.2 | 57.3 | 58.2 | 59.0 |
| 5 | 59.2 | 58.5 | 52.1 | 48.3 | 48.8 | 50.0 | 51.3 | 52.6 | 54.5 | 56.5 | 57.2 | 58.1 |
| 6 | 59.0 | 58.4 | 52.0 | 48.2 | 49.0 | 49.9 | 51.2 | 52.5 | 54.0 | 56.0 | 56.9 | 57.9 |
| 8 | 59.1 | 58.2 | 52.8 | 48.3 | 48.7 | 50.0 | 50.7 | 51.9 | 54.1 | 55.9 | 57.1 | 58.0 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Critical Year (1976)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.5 | 56.3 | 52.3 | 50.2 | 50.4 | 52.0 | 52.5 | 55.2 | 57.1 | 58.5 | 58.8 | 59.7 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 57.8 | 55.7 | 51.8 | 49.6 | 50.2 | 52.1 | 51.8 | 54.3 | 56.3 | 57.7 | 58.0 | 59.2 |
| 3 | 58.4 | 56.2 | 52.2 | 49.9 | 50.3 | 51.9 | 52.4 | 55.0 | 56.8 | 58.3 | 58.4 | 59.6 |
| 4 | 58.7 | 56.5 | 52.4 | 50.0 | 50.4 | 51.7 | 52.4 | 55.1 | 57.2 | 58.6 | 58.7 | 59.9 |
| 5 | 58.5 | 56.2 | 52.2 | 50.1 | 50.4 | 52.1 | 52.5 | 55.2 | 56.9 | 58.6 | 58.6 | 59.7 |
| 6 | 58.3 | 56.0 | 52.1 | 49.8 | 50.3 | 52.0 | 52.3 | 55.1 | 56.8 | 58.4 | 58.5 | 59.6 |
| 8 | 58.8 | 56.6 | 52.5 | 50.1 | 50.3 | 51.8 | 52.2 | 55.0 | 57.4 | 58.7 | 58.8 | 59.9 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Wet Year (1980)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 61.2 | 55.1 | 49.8 | 47.5 | 46.5 | 49.7 | 50.8 | 53.8 | 59.3 | 62.8 | 62.0 | 61.5 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 61.2 | 54.8 | 49.5 | 48.7 | 46.3 | 49.4 | 49.9 | 53.0 | 58.6 | 62.1 | 58.7 | 60.9 |
| 3 | 61.3 | 55.1 | 49.8 | 48.5 | 46.4 | 49.5 | 50.3 | 53.4 | 58.9 | 62.4 | 59.3 | 61.2 |
| 4 | 61.3 | 55.3 | 49.8 | 48.9 | 46.5 | 49.5 | 50.4 | 53.4 | 58.9 | 62.5 | 59.4 | 61.4 |
| 5 | 61.1 | 55.1 | 49.8 | 49.1 | 46.5 | 49.5 | 50.2 | 53.3 | 58.8 | 62.4 | 60.8 | 61.2 |
| 6 | 60.5 | 55.1 | 50.4 | 47.4 | 46.5 | 49.8 | 50.8 | 53.8 | 59.4 | 62.9 | 59.6 | 61.5 |
| 8 | 60.0 | 55.7 | 51.4 | 50.0 | 49.3 | 48.8 | 49.4 | 51.1 | 52.8 | 61.3 | 58.8 | 60.5 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Above Normal Year (1963)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.8 | 56.5 | 50.6 | 43.6 | 53.9 | 52.9 | 52.3 | 57.5 | 60.5 | 61.9 | 62.0 | 62.4 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.8 | 56.5 | 48.8 | 43.8 | 54.0 | 50.5 | 51.9 | 53.1 | 56.3 | 60.1 | 59.8 | 62.7 |
| 3 | 58.6 | 55.9 | 48.5 | 43.8 | 54.0 | 50.6 | 52.1 | 53.1 | 56.4 | 62.4 | 60.2 | 62.7 |
| 4 | 59.1 | 56.2 | 48.6 | 43.8 | 54.0 | 50.6 | 52.1 | 53.1 | 56.5 | 62.4 | 60.3 | 62.7 |
| 5 | 58.8 | 56.1 | 48.6 | 43.8 | 50.0 | 52.1 | 51.4 | 54.9 | 60.8 | 62.3 | 61.6 | 62.5 |
| 6 | 58.8 | 56.0 | 48.5 | 43.7 | 53.9 | 52.9 | 52.4 | 57.5 | 60.4 | 59.7 | 59.5 | 62.2 |
| 8 | 58.7 | 56.0 | 49.8 | 44.1 | 53.0 | 52.8 | 51.0 | 53.6 | 60.5 | 59.5 | 59.2 | 62.2 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Below Normal Year (1950)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.2 | 57.5 | 50.9 | 46.4 | 49.5 | 52.5 | 54.5 | 58.4 | 59.5 | 62.4 | 63.1 | 62.2 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.1 | 56.9 | 48.3 | 46.0 | 49.6 | 52.5 | 52.0 | 53.6 | 57.8 | 60.6 | 61.2 | 62.9 |
| 3 | 58.7 | 56.7 | 48.1 | 45.9 | 49.5 | 52.5 | 52.7 | 53.2 | 60.2 | 62.3 | 60.7 | 62.4 |
| 4 | 59.0 | 56.9 | 48.2 | 46.0 | 49.6 | 52.5 | 52.0 | 53.5 | 60.4 | 62.5 | 61.9 | 62.7 |
| 5 | 59.2 | 57.3 | 48.4 | 46.1 | 49.2 | 51.7 | 54.4 | 57.1 | 60.0 | 63.6 | 61.2 | 62.1 |
| 6 | 59.1 | 57.2 | 48.3 | 46.0 | 49.6 | 52.6 | 54.3 | 58.3 | 57.3 | 61.1 | 60.2 | 62.0 |
| 8 | 59.1 | 57.1 | 50.0 | 46.5 | 49.3 | 52.0 | 52.9 | 54.6 | 57.0 | 59.7 | 61.8 | 62.3 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Critical Year (1976)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.8 | 54.8 | 50.6 | 49.5 | 50.6 | 54.4 | 54.5 | 61.1 | 61.3 | 62.9 | 61.7 | 63.5 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 58.4 | 54.3 | 50.2 | 48.6 | 50.8 | 54.5 | 53.6 | 57.2 | 59.3 | 60.8 | 60.1 | 63.2 |
| 3 | 58.8 | 54.7 | 50.5 | 48.8 | 50.9 | 54.4 | 54.4 | 61.0 | 60.4 | 62.1 | 60.4 | 63.4 |
| 4 | 59.0 | 54.9 | 50.6 | 48.9 | 50.9 | 54.3 | 54.1 | 61.0 | 60.7 | 62.3 | 60.7 | 63.6 |
| 5 | 58.8 | 54.7 | 50.5 | 49.3 | 50.6 | 54.5 | 54.5 | 61.1 | 59.9 | 63.4 | 60.7 | 63.5 |
| 6 | 58.7 | 54.6 | 50.4 | 48.7 | 50.6 | 54.4 | 54.3 | 61.0 | 60.3 | 62.8 | 61.0 | 63.4 |
| 8 | 59.0 | 55.3 | 51.0 | 49.2 | 50.8 | 53.4 | 53.3 | 57.2 | 60.2 | 61.6 | 60.7 | 63.8 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Wet Year (1980)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 62.1 | 52.2 | 46.9 | 47.6 | 47.4 | 53.3 | 56.3 | 61.0 | 65.2 | 70.2 | 68.7 | 66.8 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 62.1 | 52.1 | 46.8 | 48.5 | 47.3 | 53.2 | 55.8 | 60.8 | 65.2 | 70.1 | 66.7 | 66.7 |
| 3 | 62.1 | 52.2 | 46.9 | 48.3 | 47.4 | 53.3 | 56.0 | 60.9 | 65.2 | 70.2 | 66.9 | 66.8 |
| 4 | 62.1 | 52.2 | 46.9 | 48.6 | 47.4 | 53.3 | 56.0 | 60.9 | 65.2 | 70.2 | 67.0 | 66.8 |
| 5 | 62.1 | 52.2 | 46.9 | 48.7 | 47.4 | 53.3 | 56.0 | 60.8 | 65.2 | 70.2 | 68.2 | 66.8 |
| 6 | 62.0 | 52.2 | 47.2 | 47.5 | 47.4 | 53.4 | 56.3 | 61.0 | 65.3 | 70.2 | 67.0 | 66.8 |
| 8 | 61.7 | 52.7 | 48.0 | 48.6 | 50.7 | 51.8 | 55.4 | 58.0 | 59.5 | 69.9 | 66.8 | 66.5 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Above Normal Year (1963)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 58.9 | 54.2 | 46.2 | 40.5 | 56.7 | 55.0 | 56.8 | 63.9 | 67.0 | 68.7 | 68.7 | 68.3 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.2 | 54.0 | 45.0 | 40.6 | 56.7 | 53.0 | 56.7 | 59.5 | 63.4 | 67.6 | 67.0 | 68.3 |
| 3 | 58.8 | 53.9 | 44.9 | 40.6 | 56.7 | 53.1 | 56.7 | 59.5 | 63.4 | 68.8 | 67.2 | 68.3 |
| 4 | 59.0 | 54.0 | 44.9 | 40.6 | 56.7 | 53.1 | 56.7 | 59.5 | 63.4 | 68.8 | 67.3 | 68.3 |
| 5 | 58.9 | 54.0 | 44.9 | 40.6 | 54.1 | 54.2 | 55.8 | 62.1 | 67.1 | 68.8 | 68.3 | 68.3 |
| 6 | 58.9 | 53.9 | 44.9 | 40.5 | 56.7 | 55.0 | 56.8 | 63.9 | 67.0 | 67.6 | 67.0 | 68.2 |
| 8 | 58.9 | 54.0 | 45.6 | 40.8 | 56.5 | 54.9 | 55.6 | 61.0 | 67.0 | 67.4 | 66.8 | 68.3 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Below Normal Year (1950)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.2 | 55.5 | 45.5 | 43.9 | 50.2 | 54.6 | 60.9 | 64.5 | 65.4 | 70.5 | 69.9 | 67.3 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.2 | 55.3 | 44.0 | 43.7 | 50.2 | 54.6 | 57.4 | 58.9 | 64.0 | 68.8 | 68.1 | 67.4 |
| 3 | 59.1 | 55.3 | 44.0 | 43.7 | 50.2 | 54.6 | 58.8 | 58.6 | 65.6 | 70.3 | 68.1 | 67.4 |
| 4 | 59.1 | 55.3 | 44.0 | 43.7 | 50.2 | 54.6 | 57.4 | 58.8 | 65.6 | 70.3 | 68.9 | 67.4 |
| 5 | 59.2 | 55.4 | 44.0 | 43.7 | 50.0 | 54.3 | 60.9 | 64.0 | 65.6 | 71.0 | 68.7 | 67.3 |
| 6 | 59.2 | 55.4 | 44.0 | 43.7 | 50.2 | 54.6 | 60.9 | 64.5 | 64.1 | 69.8 | 67.9 | 67.3 |
| 8 | 59.2 | 55.4 | 45.0 | 43.9 | 50.1 | 54.5 | 59.4 | 61.8 | 63.7 | 68.6 | 69.3 | 67.4 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Critical Year (1976)**

Base Case Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 59.4 | 51.7 | 46.8 | 47.5 | 51.4 | 56.3 | 58.8 | 67.0 | 67.6 | 69.6 | 66.8 | 68.3 |

Flow Alternatives- Predicted Mean Monthly Temperature (degrees F)

| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 2 | 59.3 | 51.5 | 46.6 | 46.6 | 51.8 | 56.3 | 58.2 | 64.5 | 66.2 | 68.1 | 65.5 | 68.2 |
| 3 | 59.4 | 51.6 | 46.7 | 46.6 | 51.9 | 56.3 | 58.8 | 67.0 | 67.0 | 69.1 | 65.6 | 68.3 |
| 4 | 59.4 | 51.7 | 46.8 | 46.6 | 51.9 | 56.2 | 58.4 | 67.0 | 67.1 | 69.1 | 65.7 | 68.3 |
| 5 | 59.4 | 51.6 | 46.7 | 47.3 | 51.4 | 56.3 | 58.8 | 67.0 | 66.5 | 69.9 | 65.9 | 68.3 |
| 6 | 59.4 | 51.6 | 46.7 | 46.6 | 51.5 | 56.3 | 58.8 | 67.0 | 66.9 | 69.6 | 66.3 | 68.3 |
| 8 | 59.4 | 52.2 | 47.3 | 47.0 | 51.7 | 55.9 | 57.2 | 63.8 | 66.4 | 68.3 | 65.7 | 68.3 |

**Predicted Water Temperature
Sacramento River at Keswick, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 49.2 | 53.2 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 49.8 | 49.9 | 48.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.9 | 47.5 |
| 4 | 49.3 | 53.3 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.5 | 48.1 |
| 5 | 49.4 | 53.4 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.8 | 47.7 |
| 8 | 49.3 | 53.3 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.6 | 47.8 |
| 9 | 49.3 | 53.3 | 49.9 | 46.4 | 47.2 | 49.8 | 49.8 | 48.1 | 49.1 | 50.3 | 49.5 | 48.1 |

**Predicted Water Temperature
Sacramento River at Keswick, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 49.4 | 50.2 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.5 | 48.6 | 49.1 | 49.2 | 49.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.3 | 50.0 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.5 | 49.1 | 49.3 | 49.1 |
| 4 | 49.7 | 50.7 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.3 | 49.2 | 49.3 | 48.9 |
| 5 | 49.7 | 50.7 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.5 | 49.2 | 49.3 | 48.9 |
| 8 | 50.0 | 50.8 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.5 | 49.1 | 49.1 | 49.3 |
| 9 | 49.6 | 50.5 | 49.3 | 45.5 | 49.2 | 53.6 | 50.5 | 49.1 | 48.4 | 49.2 | 49.3 | 48.8 |

**Predicted Water Temperature
Sacramento River at Keswick, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 46.9 | 48.2 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 49.5 | 48.7 | 49.3 | 49.4 | 49.7 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 46.7 | 48.2 | 48.3 | 45.3 | 46.6 | 51.6 | 50.7 | 50.0 | 48.4 | 49.3 | 49.7 | 49.8 |
| 4 | 46.7 | 47.8 | 48.3 | 45.3 | 46.6 | 51.7 | 50.7 | 50.0 | 48.3 | 49.3 | 49.2 | 50.2 |
| 5 | 46.7 | 47.7 | 48.3 | 45.3 | 46.6 | 51.7 | 50.7 | 50.0 | 48.4 | 49.2 | 49.2 | 50.6 |
| 8 | 46.7 | 47.6 | 48.3 | 45.3 | 46.6 | 51.7 | 50.7 | 50.0 | 48.4 | 49.1 | 49.5 | 50.6 |
| 9 | 46.7 | 47.9 | 48.3 | 45.3 | 46.6 | 51.7 | 50.7 | 50.0 | 48.3 | 49.3 | 49.1 | 50.6 |

**Predicted Water Temperature
Sacramento River at Keswick, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 48.5 | 50.5 | 48.2 | 45.1 | 50.7 | 50.8 | 51.1 | 48.9 | 48.5 | 49.5 | 49.6 | 50.0 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 48.0 | 50.9 | 48.2 | 45.1 | 51.0 | 51.0 | 51.1 | 49.1 | 48.1 | 49.5 | 50.0 | 51.1 |
| 4 | 48.1 | 50.7 | 48.2 | 45.1 | 50.6 | 50.8 | 51.1 | 49.1 | 48.0 | 49.5 | 50.0 | 50.1 |
| 5 | 48.7 | 50.5 | 48.2 | 45.1 | 51.0 | 51.0 | 51.1 | 49.1 | 48.1 | 49.5 | 50.0 | 50.8 |
| 8 | 48.7 | 50.5 | 48.2 | 45.1 | 50.6 | 50.8 | 51.1 | 49.1 | 48.1 | 49.4 | 49.8 | 50.1 |
| 9 | 48.0 | 50.9 | 48.2 | 45.1 | 50.6 | 50.8 | 51.1 | 49.1 | 48.0 | 49.5 | 50.0 | 50.3 |

**Predicted Water Temperature
Sacramento River at Keswick, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 53.0 | 54.6 | 49.0 | 44.8 | 46.6 | 47.6 | 52.1 | 49.8 | 49.2 | 50.2 | 50.1 | 49.8 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 55.8 | 55.4 | 48.8 | 44.6 | 46.9 | 47.7 | 50.2 | 49.6 | 48.8 | 50.6 | 51.2 | 50.5 |
| 4 | 56.3 | 55.5 | 48.8 | 44.6 | 47.0 | 47.7 | 50.0 | 49.6 | 48.7 | 50.5 | 51.2 | 51.3 |
| 5 | 56.1 | 55.4 | 48.8 | 44.6 | 46.9 | 47.7 | 49.8 | 49.6 | 48.8 | 49.6 | 51.2 | 54.7 |
| 8 | 55.7 | 55.4 | 48.8 | 44.6 | 46.9 | 47.7 | 50.1 | 49.6 | 48.5 | 50.2 | 51.2 | 52.7 |
| 9 | 56.2 | 55.5 | 48.8 | 44.6 | 46.9 | 47.7 | 50.0 | 49.6 | 48.8 | 50.5 | 51.2 | 50.9 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 50.1 | 53.1 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 53.2 | 53.1 | 51.6 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 53.1 | 50.3 |
| 4 | 50.2 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 52.5 | 51.2 |
| 5 | 50.3 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 52.9 | 50.6 |
| 8 | 50.2 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 52.7 | 50.9 |
| 9 | 50.2 | 53.2 | 49.0 | 46.1 | 47.4 | 50.7 | 52.9 | 50.7 | 53.3 | 54.0 | 52.5 | 51.3 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 51.6 | 50.5 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 53.4 | 51.8 | 52.0 | 52.5 | 53.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 51.5 | 50.3 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 51.6 | 52.2 | 52.7 | 53.0 |
| 4 | 51.9 | 50.9 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.6 | 51.3 | 52.3 | 52.7 | 52.5 |
| 5 | 51.9 | 50.9 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 51.6 | 52.3 | 52.6 | 52.7 |
| 8 | 52.1 | 51.1 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.4 | 51.6 | 52.2 | 52.2 | 53.3 |
| 9 | 51.8 | 50.8 | 47.8 | 45.0 | 49.0 | 53.5 | 53.8 | 52.6 | 51.4 | 52.3 | 52.7 | 52.4 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 49.1 | 48.5 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 53.8 | 51.9 | 52.5 | 52.4 | 54.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.0 | 48.5 | 47.4 | 44.9 | 47.2 | 52.3 | 52.7 | 54.7 | 51.3 | 52.5 | 53.1 | 54.5 |
| 4 | 49.0 | 48.2 | 47.5 | 44.9 | 47.2 | 52.4 | 52.7 | 54.7 | 51.1 | 52.5 | 52.1 | 55.1 |
| 5 | 49.0 | 48.1 | 47.5 | 44.9 | 47.2 | 52.4 | 52.7 | 54.7 | 51.3 | 52.3 | 52.2 | 55.7 |
| 8 | 49.0 | 48.0 | 47.5 | 44.9 | 47.2 | 52.4 | 52.7 | 54.7 | 51.3 | 52.0 | 52.7 | 55.7 |
| 9 | 49.0 | 48.3 | 47.5 | 44.9 | 47.2 | 52.4 | 52.7 | 54.7 | 51.1 | 52.5 | 51.9 | 55.7 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 50.6 | 50.6 | 47.3 | 44.7 | 50.7 | 51.4 | 52.5 | 51.8 | 52.0 | 52.9 | 52.9 | 54.1 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 49.8 | 51.0 | 47.2 | 44.7 | 50.9 | 51.5 | 52.6 | 52.3 | 51.1 | 52.9 | 53.5 | 55.5 |
| 4 | 49.9 | 50.8 | 47.2 | 44.7 | 50.7 | 51.4 | 52.6 | 52.3 | 50.9 | 52.8 | 53.5 | 54.1 |
| 5 | 50.9 | 50.6 | 47.2 | 44.7 | 50.9 | 51.5 | 52.6 | 52.3 | 51.1 | 52.9 | 53.5 | 55.0 |
| 8 | 50.9 | 50.6 | 47.2 | 44.7 | 50.7 | 51.4 | 52.6 | 52.3 | 51.1 | 52.7 | 53.1 | 53.9 |
| 9 | 49.8 | 51.0 | 47.2 | 44.7 | 50.7 | 51.4 | 52.6 | 52.3 | 50.9 | 52.8 | 53.5 | 54.4 |

**Predicted Water Temperature
Sacramento River at Ball's Ferry, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 55.3 | 53.6 | 47.5 | 44.2 | 48.0 | 50.2 | 55.2 | 53.9 | 52.9 | 54.0 | 53.7 | 54.4 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.4 | 54.2 | 47.4 | 44.1 | 48.1 | 50.3 | 53.8 | 53.6 | 52.1 | 54.7 | 55.7 | 54.4 |
| 4 | 57.8 | 54.3 | 47.4 | 44.1 | 48.1 | 50.3 | 53.7 | 53.6 | 52.1 | 54.4 | 55.7 | 54.9 |
| 5 | 57.6 | 54.2 | 47.4 | 44.1 | 48.1 | 50.3 | 53.4 | 53.6 | 52.2 | 52.9 | 55.7 | 57.6 |
| 8 | 57.4 | 54.2 | 47.4 | 44.1 | 48.1 | 50.3 | 53.5 | 53.6 | 51.7 | 54.0 | 55.7 | 56.1 |
| 9 | 57.8 | 54.3 | 47.4 | 44.1 | 48.1 | 50.3 | 53.6 | 53.6 | 52.2 | 54.5 | 55.7 | 54.6 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 50.8 | 52.9 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 55.2 | 55.0 | 53.5 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 55.0 | 52.0 |
| 4 | 50.9 | 52.9 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.2 | 54.3 | 53.1 |
| 5 | 51.0 | 53.0 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 54.8 | 52.3 |
| 8 | 50.9 | 52.9 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.3 | 54.5 | 52.7 |
| 9 | 50.9 | 52.9 | 48.5 | 45.9 | 47.6 | 51.1 | 54.2 | 52.7 | 55.9 | 56.2 | 54.3 | 53.2 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 52.8 | 50.6 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 56.1 | 54.1 | 53.9 | 54.4 | 55.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 52.7 | 50.4 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 53.8 | 54.1 | 54.6 | 55.0 |
| 4 | 53.0 | 50.9 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 55.1 | 53.4 | 54.2 | 54.6 | 54.4 |
| 5 | 53.0 | 50.9 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 53.8 | 54.2 | 54.5 | 54.7 |
| 8 | 53.2 | 51.1 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 54.9 | 53.9 | 54.1 | 54.0 | 55.3 |
| 9 | 52.9 | 50.8 | 47.2 | 45.0 | 48.8 | 53.3 | 54.7 | 55.1 | 53.6 | 54.2 | 54.6 | 54.3 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 50.5 | 48.7 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 56.7 | 54.3 | 54.7 | 54.5 | 56.9 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 50.4 | 48.7 | 46.9 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.6 | 54.7 | 55.3 | 57.2 |
| 4 | 50.4 | 48.4 | 47.0 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.4 | 54.7 | 54.0 | 57.8 |
| 5 | 50.4 | 48.3 | 47.0 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.6 | 54.4 | 54.1 | 58.4 |
| 8 | 50.4 | 48.2 | 47.0 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.5 | 54.0 | 54.8 | 58.4 |
| 9 | 50.4 | 48.5 | 47.0 | 44.9 | 47.5 | 52.6 | 54.1 | 57.7 | 53.3 | 54.6 | 53.8 | 58.4 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 51.6 | 50.6 | 46.7 | 44.7 | 50.4 | 51.6 | 53.2 | 53.5 | 54.1 | 55.0 | 54.9 | 56.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 50.7 | 50.9 | 46.7 | 44.7 | 50.6 | 51.6 | 53.4 | 54.1 | 53.1 | 55.1 | 55.6 | 57.7 |
| 4 | 50.8 | 50.7 | 46.7 | 44.7 | 50.4 | 51.6 | 53.4 | 54.1 | 52.9 | 54.9 | 55.6 | 56.3 |
| 5 | 51.9 | 50.6 | 46.7 | 44.7 | 50.6 | 51.6 | 53.4 | 54.1 | 53.1 | 55.1 | 55.6 | 57.1 |
| 8 | 51.9 | 50.6 | 46.7 | 44.7 | 50.4 | 51.6 | 53.4 | 54.1 | 53.1 | 54.8 | 55.2 | 56.0 |
| 9 | 50.7 | 50.9 | 46.7 | 44.7 | 50.4 | 51.6 | 53.4 | 54.1 | 52.8 | 54.9 | 55.6 | 56.5 |

**Predicted Water Temperature
Sacramento River at Bend Bridge, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 56.7 | 53.1 | 46.9 | 44.2 | 48.3 | 51.4 | 56.5 | 56.6 | 55.5 | 56.3 | 56.0 | 56.9 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.4 | 53.5 | 46.8 | 44.1 | 48.4 | 51.4 | 55.5 | 56.2 | 54.5 | 57.1 | 58.3 | 56.6 |
| 4 | 58.7 | 53.6 | 46.8 | 44.1 | 48.5 | 51.4 | 55.4 | 56.3 | 54.4 | 56.8 | 58.3 | 57.0 |
| 5 | 58.5 | 53.5 | 46.8 | 44.1 | 48.4 | 51.4 | 55.1 | 56.2 | 54.5 | 55.1 | 58.3 | 59.2 |
| 8 | 58.3 | 53.5 | 46.8 | 44.1 | 48.4 | 51.4 | 55.3 | 56.3 | 53.9 | 56.3 | 58.3 | 58.1 |
| 9 | 58.6 | 53.6 | 46.8 | 44.1 | 48.4 | 51.4 | 55.4 | 56.2 | 54.5 | 56.9 | 58.3 | 56.8 |

**Predicted Water Temperature
Sacramento River at Vina, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 52.0 | 52.6 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 59.6 | 59.1 | 57.5 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 59.1 | 55.6 |
| 4 | 52.1 | 52.6 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 58.2 | 57.0 |
| 5 | 52.2 | 52.7 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 58.8 | 56.0 |
| 8 | 52.1 | 52.6 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.9 | 58.4 | 56.5 |
| 9 | 52.1 | 52.6 | 47.8 | 45.4 | 47.3 | 51.4 | 55.0 | 55.3 | 60.4 | 60.8 | 58.2 | 57.1 |

**Predicted Water Temperature
Sacramento River at Vina, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 54.7 | 50.6 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 60.1 | 58.6 | 57.9 | 58.4 | 58.8 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 54.7 | 50.4 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 58.3 | 58.2 | 58.7 | 58.6 |
| 4 | 54.9 | 50.8 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.9 | 57.8 | 58.3 | 58.7 | 57.9 |
| 5 | 54.9 | 50.8 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 58.3 | 58.3 | 58.6 | 58.2 |
| 8 | 55.0 | 50.9 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.7 | 58.3 | 58.2 | 57.8 | 58.9 |
| 9 | 54.8 | 50.7 | 46.5 | 44.4 | 48.3 | 52.7 | 55.5 | 58.9 | 58.0 | 58.3 | 58.7 | 57.8 |

**Predicted Water Temperature
Sacramento River at Vina, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 53.4 | 49.0 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 60.5 | 59.7 | 60.6 | 60.1 | 62.1 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 53.3 | 48.9 | 45.9 | 44.7 | 47.4 | 52.5 | 55.6 | 61.4 | 58.7 | 60.5 | 61.2 | 62.3 |
| 4 | 53.3 | 48.7 | 46.1 | 44.7 | 47.4 | 52.6 | 55.6 | 61.4 | 58.5 | 60.5 | 59.3 | 63.0 |
| 5 | 53.3 | 48.7 | 46.1 | 44.7 | 47.4 | 52.6 | 55.6 | 61.4 | 58.7 | 60.1 | 59.6 | 63.6 |
| 8 | 53.3 | 48.6 | 46.1 | 44.7 | 47.4 | 52.6 | 55.6 | 61.4 | 58.7 | 59.5 | 60.5 | 63.6 |
| 9 | 53.3 | 48.8 | 46.1 | 44.7 | 47.4 | 52.6 | 55.6 | 61.4 | 58.4 | 60.4 | 59.0 | 63.6 |

**Predicted Water Temperature
Sacramento River at Vina, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 53.3 | 50.4 | 45.7 | 44.2 | 50.0 | 51.7 | 54.7 | 56.7 | 58.4 | 59.9 | 59.4 | 60.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 52.3 | 50.6 | 45.7 | 44.2 | 50.2 | 51.8 | 54.9 | 57.3 | 57.1 | 59.9 | 60.2 | 61.7 |
| 4 | 52.4 | 50.5 | 45.7 | 44.2 | 50.0 | 51.7 | 54.9 | 57.3 | 56.8 | 59.7 | 60.2 | 60.3 |
| 5 | 53.6 | 50.4 | 45.7 | 44.2 | 50.2 | 51.8 | 54.9 | 57.3 | 57.1 | 59.9 | 60.2 | 61.2 |
| 8 | 53.6 | 50.4 | 45.7 | 44.2 | 50.0 | 51.7 | 54.9 | 57.3 | 57.1 | 59.6 | 59.7 | 60.0 |
| 9 | 52.3 | 50.6 | 45.7 | 44.2 | 50.0 | 51.7 | 54.9 | 57.3 | 56.7 | 59.7 | 60.2 | 60.6 |

**Predicted Water Temperature
Sacramento River at Vina, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.5 | 52.9 | 46.2 | 43.6 | 48.2 | 51.8 | 57.6 | 61.1 | 60.3 | 61.5 | 61.2 | 62.0 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 60.5 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 57.0 | 60.7 | 59.1 | 62.6 | 64.1 | 61.2 |
| 4 | 60.8 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 56.9 | 60.8 | 59.0 | 62.2 | 64.1 | 61.5 |
| 5 | 60.6 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 56.7 | 60.6 | 59.1 | 59.9 | 64.1 | 62.9 |
| 8 | 60.5 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 56.8 | 60.8 | 58.3 | 61.6 | 64.1 | 62.2 |
| 9 | 60.7 | 53.2 | 46.1 | 43.6 | 48.2 | 51.9 | 56.9 | 60.7 | 59.1 | 62.3 | 64.1 | 61.3 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.6 | 53.8 | 49.6 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.0 | 69.3 | 64.1 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 56.9 | 53.8 | 49.5 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.5 | 69.2 | 64.1 |
| 4 | 56.9 | 53.8 | 49.5 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 69.7 | 69.2 | 64.1 |
| 5 | 56.9 | 53.8 | 49.4 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.5 | 69.2 | 64.1 |
| 8 | 56.9 | 53.8 | 49.6 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 70.8 | 69.2 | 64.1 |
| 9 | 57.0 | 53.8 | 49.5 | 47.8 | 47.8 | 54.0 | 53.2 | 59.0 | 64.4 | 69.5 | 69.2 | 64.1 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.2 | 53.0 | 45.8 | 46.0 | 49.6 | 49.3 | 56.6 | 63.7 | 66.6 | 68.4 | 67.3 | 66.0 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.2 | 53.0 | 45.8 | 46.1 | 49.0 | 49.3 | 56.6 | 61.8 | 66.1 | 66.4 | 66.6 | 64.9 |
| 4 | 61.2 | 53.0 | 45.8 | 46.0 | 49.2 | 49.3 | 56.6 | 62.4 | 66.1 | 66.4 | 66.3 | 64.9 |
| 5 | 61.2 | 53.0 | 45.8 | 46.1 | 49.0 | 49.3 | 56.6 | 61.8 | 66.1 | 66.4 | 66.6 | 64.9 |
| 8 | 61.2 | 53.0 | 45.8 | 46.1 | 49.0 | 49.3 | 56.6 | 61.8 | 66.0 | 65.2 | 69.7 | 64.9 |
| 9 | 61.2 | 53.0 | 45.8 | 46.0 | 49.5 | 49.2 | 56.6 | 62.4 | 66.1 | 66.4 | 66.4 | 64.9 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 68.0 | 71.0 | 67.6 | 67.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 64.8 | 68.3 | 70.0 | 67.2 |
| 4 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.3 | 67.7 | 69.2 | 67.2 |
| 5 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 64.9 | 68.3 | 70.0 | 67.2 |
| 8 | 62.1 | 51.6 | 44.0 | 45.7 | 47.4 | 54.5 | 57.7 | 64.2 | 64.8 | 68.3 | 70.0 | 67.2 |
| 9 | 62.1 | 51.6 | 44.0 | 45.8 | 47.4 | 54.5 | 57.7 | 64.2 | 65.1 | 67.7 | 69.5 | 67.2 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.5 | 52.1 | 42.7 | 45.6 | 50.9 | 52.8 | 55.5 | 60.4 | 67.2 | 70.3 | 69.0 | 65.5 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.5 | 52.1 | 42.6 | 45.3 | 50.9 | 52.8 | 56.4 | 62.4 | 66.0 | 68.5 | 68.1 | 64.3 |
| 4 | 61.5 | 52.1 | 42.6 | 45.1 | 50.9 | 53.2 | 56.4 | 61.9 | 66.3 | 68.5 | 68.1 | 65.0 |
| 5 | 61.5 | 52.1 | 42.6 | 45.3 | 50.9 | 52.8 | 56.4 | 62.4 | 66.0 | 68.5 | 68.1 | 64.3 |
| 8 | 61.5 | 52.1 | 42.6 | 45.5 | 50.9 | 52.8 | 56.4 | 61.9 | 66.1 | 66.8 | 68.0 | 66.1 |
| 9 | 61.5 | 52.1 | 42.6 | 45.1 | 50.9 | 53.3 | 56.4 | 61.9 | 66.2 | 68.5 | 68.0 | 64.5 |

**Predicted Water Temperature
Feather River Downstream of the Afterbay, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 62.5 | 53.2 | 45.6 | 44.0 | 52.2 | 55.5 | 58.0 | 65.8 | 68.0 | 70.7 | 70.6 | 65.3 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 62.4 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 65.8 | 67.9 | 70.9 | 69.0 | 65.9 |
| 4 | 62.4 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 65.4 | 68.0 | 70.9 | 69.0 | 65.9 |
| 5 | 62.4 | 53.3 | 46.3 | 44.0 | 52.2 | 55.5 | 58.0 | 65.2 | 68.0 | 70.9 | 69.0 | 65.9 |
| 8 | 62.5 | 53.3 | 46.2 | 43.9 | 52.2 | 55.5 | 58.0 | 66.6 | 67.4 | 70.6 | 69.0 | 65.8 |
| 9 | 62.2 | 53.3 | 46.2 | 44.0 | 52.2 | 55.5 | 58.0 | 66.0 | 67.9 | 70.9 | 69.0 | 65.9 |

**Predicted Water Temperature
Feather River at Honcut Creek, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.0 | 53.9 | 49.5 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 71.8 | 70.8 | 66.5 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.4 | 53.9 | 49.4 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.4 | 72.1 | 66.5 |
| 4 | 57.4 | 53.9 | 49.4 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 71.5 | 72.1 | 66.5 |
| 5 | 57.4 | 53.9 | 49.3 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.4 | 72.1 | 66.5 |
| 8 | 57.4 | 53.9 | 49.5 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 72.8 | 72.1 | 66.5 |
| 9 | 57.4 | 53.9 | 49.4 | 47.7 | 47.9 | 54.3 | 53.8 | 59.9 | 66.1 | 71.3 | 72.1 | 66.5 |

**Predicted Water Temperature
Feather River at Honcut Creek, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.4 | 52.9 | 45.4 | 45.9 | 49.8 | 49.7 | 58.4 | 66.5 | 68.2 | 69.7 | 68.5 | 67.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.4 | 52.9 | 45.4 | 46.0 | 49.2 | 49.7 | 58.4 | 63.1 | 67.6 | 67.5 | 67.7 | 66.8 |
| 4 | 61.4 | 52.9 | 45.4 | 45.9 | 49.4 | 49.7 | 58.4 | 63.7 | 67.6 | 67.5 | 67.5 | 66.8 |
| 5 | 61.4 | 52.9 | 45.4 | 45.9 | 49.2 | 49.7 | 58.4 | 63.1 | 67.6 | 67.5 | 67.7 | 66.8 |
| 8 | 61.4 | 52.9 | 45.4 | 46.0 | 49.2 | 49.7 | 58.4 | 63.1 | 67.6 | 66.3 | 71.0 | 66.8 |
| 9 | 61.4 | 52.9 | 45.4 | 45.9 | 49.7 | 49.6 | 58.4 | 63.8 | 67.7 | 67.6 | 67.5 | 66.8 |

**Predicted Water Temperature
Feather River at Honcut Creek, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 71.2 | 72.6 | 68.8 | 69.5 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.4 | 69.7 | 71.5 | 69.5 |
| 4 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.8 | 69.1 | 70.4 | 69.5 |
| 5 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.4 | 69.6 | 71.5 | 69.5 |
| 8 | 63.2 | 51.5 | 43.6 | 45.6 | 47.6 | 55.0 | 59.5 | 67.1 | 66.3 | 69.7 | 71.5 | 69.5 |
| 9 | 63.2 | 51.5 | 43.6 | 45.7 | 47.6 | 55.0 | 59.5 | 67.1 | 66.6 | 69.0 | 70.8 | 69.5 |

**Predicted Water Temperature
Feather River at Honcut Creek, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.9 | 52.0 | 42.2 | 45.4 | 51.2 | 53.2 | 56.7 | 61.5 | 69.5 | 71.7 | 70.3 | 66.4 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.9 | 52.0 | 42.2 | 45.2 | 51.2 | 53.2 | 58.8 | 64.3 | 67.4 | 69.9 | 69.4 | 65.2 |
| 4 | 61.9 | 52.0 | 42.2 | 45.0 | 51.2 | 53.6 | 58.8 | 64.2 | 67.7 | 69.9 | 69.4 | 65.9 |
| 5 | 61.9 | 52.0 | 42.2 | 45.2 | 51.2 | 53.2 | 58.8 | 64.3 | 67.4 | 69.9 | 69.4 | 65.3 |
| 8 | 61.9 | 52.0 | 42.2 | 45.4 | 51.2 | 53.2 | 58.8 | 64.2 | 67.6 | 68.0 | 69.3 | 67.7 |
| 9 | 61.9 | 52.0 | 42.2 | 45.0 | 51.2 | 53.7 | 58.8 | 64.2 | 67.6 | 69.9 | 69.3 | 65.5 |

**Predicted Water Temperature
Feather River at Honcut Creek, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 63.6 | 53.4 | 45.4 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.9 | 72.3 | 73.6 | 67.6 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 63.5 | 53.5 | 45.8 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.8 | 72.7 | 73.4 | 67.8 |
| 4 | 63.5 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.9 | 72.8 | 73.4 | 67.8 |
| 5 | 63.5 | 53.5 | 45.8 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.9 | 72.8 | 73.4 | 67.8 |
| 8 | 63.6 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.1 | 72.2 | 73.4 | 67.8 |
| 9 | 63.5 | 53.5 | 45.7 | 43.6 | 53.1 | 56.9 | 61.3 | 69.1 | 69.8 | 72.7 | 73.4 | 67.8 |

**Predicted Water Temperature
Feather River at the Mouth, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.2 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.5 | 73.7 | 70.8 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.7 | 74.9 | 70.8 |
| 4 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.3 | 74.9 | 70.8 |
| 5 | 58.7 | 53.2 | 48.6 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.7 | 74.9 | 70.8 |
| 8 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.9 | 74.9 | 70.8 |
| 9 | 58.7 | 53.2 | 48.7 | 46.9 | 48.3 | 52.7 | 55.7 | 61.8 | 69.6 | 75.2 | 74.9 | 70.8 |

**Predicted Water Temperature
Feather River at the Mouth, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 60.6 | 51.7 | 44.1 | 45.8 | 50.1 | 51.6 | 57.4 | 67.6 | 71.5 | 72.7 | 71.3 | 69.0 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.0 | 71.2 | 71.0 | 70.7 | 69.2 |
| 4 | 60.6 | 51.7 | 44.1 | 45.8 | 49.8 | 51.6 | 57.4 | 66.3 | 71.2 | 71.0 | 70.5 | 69.2 |
| 5 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.0 | 71.2 | 71.0 | 70.7 | 69.2 |
| 8 | 60.6 | 51.7 | 44.1 | 45.8 | 49.6 | 51.6 | 57.4 | 66.0 | 71.1 | 69.8 | 72.8 | 69.2 |
| 9 | 60.6 | 51.7 | 44.1 | 45.8 | 50.0 | 51.6 | 57.4 | 66.3 | 71.2 | 71.0 | 70.5 | 69.2 |

**Predicted Water Temperature
Feather River at the Mouth, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 64.7 | 51.2 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 74.1 | 75.2 | 71.5 | 71.7 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.5 | 73.3 | 72.9 | 71.7 |
| 4 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.8 | 72.8 | 72.4 | 71.7 |
| 5 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.5 | 73.3 | 72.9 | 71.7 |
| 8 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.5 | 73.3 | 72.9 | 71.7 |
| 9 | 64.7 | 51.1 | 43.4 | 45.7 | 48.3 | 53.9 | 58.9 | 68.9 | 70.7 | 72.8 | 72.6 | 71.7 |

**Predicted Water Temperature
Feather River at the Mouth, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 59.4 | 64.5 | 71.4 | 74.6 | 73.0 | 68.1 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.6 | 70.2 | 73.4 | 72.4 | 67.5 |
| 4 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.8 | 61.2 | 66.7 | 70.3 | 73.4 | 72.4 | 67.9 |
| 5 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.5 | 70.2 | 73.4 | 72.4 | 67.5 |
| 8 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.6 | 61.2 | 66.7 | 70.2 | 71.8 | 72.4 | 69.2 |
| 9 | 61.9 | 50.8 | 42.2 | 45.4 | 50.4 | 53.8 | 61.2 | 66.7 | 70.3 | 73.4 | 72.4 | 67.6 |

**Predicted Water Temperature
Feather River at the Mouth, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 65.7 | 54.3 | 45.3 | 44.6 | 50.6 | 55.2 | 62.2 | 74.1 | 73.6 | 75.6 | 78.2 | 72.9 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.1 | 73.5 | 76.1 | 78.6 | 72.7 |
| 4 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.2 | 73.6 | 76.2 | 78.6 | 72.7 |
| 5 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.3 | 73.6 | 76.2 | 78.6 | 72.7 |
| 8 | 65.7 | 54.5 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 73.4 | 72.9 | 75.5 | 78.6 | 72.8 |
| 9 | 65.8 | 54.6 | 45.5 | 44.6 | 50.6 | 55.2 | 62.2 | 74.0 | 73.4 | 76.0 | 78.6 | 72.7 |

**Predicted Water Temperature
American River at Nimbus, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 55.9 | 55.8 | 50.6 | 46.4 | 46.8 | 52.1 | 55.1 | 57.7 | 62.7 | 65.8 | 65.9 | 64.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 55.9 | 55.6 | 50.6 | 46.4 | 46.9 | 52.3 | 55.0 | 57.7 | 62.7 | 66.4 | 65.3 | 64.3 |
| 4 | 55.9 | 55.6 | 50.6 | 46.4 | 46.9 | 52.3 | 54.9 | 57.7 | 62.7 | 66.4 | 65.1 | 64.6 |
| 5 | 55.9 | 55.5 | 50.6 | 46.4 | 46.9 | 52.3 | 54.9 | 57.7 | 62.7 | 66.4 | 65.3 | 64.4 |
| 8 | 56.4 | 56.0 | 50.6 | 46.5 | 47.2 | 52.5 | 55.2 | 57.7 | 62.8 | 67.4 | 65.8 | 65.2 |
| 9 | 55.9 | 55.6 | 50.6 | 46.4 | 46.8 | 52.2 | 54.9 | 57.7 | 62.7 | 66.4 | 65.1 | 64.6 |

**Predicted Water Temperature
American River at Nimbus, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 56.5 | 55.2 | 49.8 | 47.5 | 48.9 | 53.7 | 55.4 | 62.8 | 66.3 | 65.8 | 66.5 | 67.6 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 56.5 | 55.0 | 49.8 | 47.5 | 48.9 | 53.7 | 55.4 | 62.6 | 66.3 | 66.4 | 66.7 | 66.9 |
| 4 | 56.5 | 55.3 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.6 | 66.0 | 66.5 | 66.7 | 65.3 |
| 5 | 56.5 | 55.3 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.6 | 66.3 | 66.4 | 66.4 | 66.0 |
| 8 | 57.8 | 55.7 | 49.7 | 47.4 | 48.9 | 53.7 | 55.7 | 62.7 | 67.1 | 67.0 | 66.2 | 70.6 |
| 9 | 56.5 | 55.2 | 49.8 | 47.5 | 48.9 | 53.7 | 55.3 | 62.6 | 66.1 | 66.5 | 66.8 | 65.3 |

**Predicted Water Temperature
American River at Nimbus, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.0 | 57.8 | 49.6 | 46.7 | 47.5 | 54.8 | 57.6 | 60.9 | 65.0 | 66.2 | 66.2 | 67.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.0 | 57.7 | 49.6 | 46.7 | 47.5 | 54.9 | 57.6 | 60.9 | 64.6 | 65.8 | 66.7 | 67.3 |
| 4 | 58.0 | 57.8 | 49.7 | 46.7 | 47.6 | 54.8 | 57.5 | 60.9 | 64.5 | 65.8 | 65.4 | 68.0 |
| 5 | 58.0 | 57.8 | 49.7 | 46.7 | 47.6 | 54.7 | 57.5 | 60.9 | 64.6 | 65.6 | 65.6 | 68.7 |
| 8 | 58.6 | 58.9 | 49.5 | 46.7 | 47.7 | 54.1 | 58.0 | 61.1 | 65.0 | 65.6 | 66.9 | 69.8 |
| 9 | 58.0 | 57.8 | 49.7 | 46.7 | 47.6 | 54.8 | 57.5 | 60.9 | 64.5 | 65.8 | 65.3 | 68.7 |

**Predicted Water Temperature
American River at Nimbus, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 56.5 | 55.7 | 47.5 | 45.1 | 47.6 | 51.0 | 56.3 | 61.7 | 65.9 | 66.2 | 65.3 | 67.6 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 56.5 | 55.6 | 47.5 | 45.1 | 47.8 | 51.3 | 55.6 | 62.2 | 63.8 | 65.9 | 65.7 | 65.9 |
| 4 | 56.5 | 55.5 | 47.5 | 45.2 | 47.6 | 50.9 | 56.4 | 61.6 | 63.5 | 65.8 | 65.7 | 65.8 |
| 5 | 56.5 | 55.6 | 47.5 | 45.2 | 47.7 | 51.3 | 55.5 | 62.2 | 63.8 | 65.9 | 65.7 | 65.9 |
| 8 | 57.1 | 56.2 | 47.4 | 45.1 | 47.6 | 51.0 | 56.2 | 61.9 | 64.1 | 66.7 | 66.4 | 65.9 |
| 9 | 56.5 | 55.5 | 47.5 | 45.1 | 47.6 | 50.9 | 56.2 | 61.7 | 63.6 | 65.9 | 65.6 | 65.8 |

**Predicted Water Temperature
American River at Nimbus, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 66.0 | 62.1 | 52.4 | 47.4 | 51.3 | 56.6 | 61.8 | 67.2 | 66.8 | 65.6 | 71.8 | 71.6 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 65.1 | 62.3 | 52.2 | 47.2 | 50.8 | 57.1 | 61.7 | 66.7 | 65.0 | 68.1 | 76.1 | 72.0 |
| 4 | 66.5 | 61.9 | 51.9 | 47.0 | 51.0 | 56.0 | 63.4 | 66.9 | 64.8 | 69.2 | 76.2 | 72.3 |
| 5 | 66.1 | 62.0 | 52.0 | 47.1 | 51.2 | 56.4 | 62.7 | 66.6 | 64.9 | 69.0 | 76.2 | 72.3 |
| 8 | 67.5 | 61.9 | 51.9 | 47.0 | 50.9 | 55.6 | 63.7 | 69.3 | 64.9 | 73.6 | 76.3 | 68.0 |
| 9 | 66.3 | 62.0 | 51.9 | 47.1 | 51.2 | 56.3 | 63.2 | 66.8 | 64.9 | 68.7 | 76.0 | 72.0 |

**Predicted Water Temperature
American River at Watt Avenue, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 56.7 | 55.6 | 50.4 | 46.4 | 47.0 | 52.5 | 55.7 | 58.4 | 63.8 | 67.4 | 67.3 | 64.9 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 56.7 | 55.5 | 50.4 | 46.4 | 47.1 | 52.7 | 55.6 | 58.4 | 63.8 | 68.3 | 66.5 | 64.9 |
| 4 | 56.7 | 55.5 | 50.4 | 46.4 | 47.1 | 52.7 | 55.5 | 58.4 | 63.8 | 68.2 | 66.2 | 65.3 |
| 5 | 56.7 | 55.4 | 50.4 | 46.4 | 47.1 | 52.7 | 55.5 | 58.4 | 63.8 | 68.3 | 66.5 | 65.0 |
| 8 | 57.1 | 55.8 | 50.4 | 46.5 | 47.3 | 52.9 | 55.8 | 58.4 | 63.9 | 69.2 | 66.9 | 65.8 |
| 9 | 56.7 | 55.5 | 50.4 | 46.4 | 47.0 | 52.6 | 55.5 | 58.4 | 63.8 | 68.2 | 66.2 | 65.3 |

**Predicted Water Temperature
American River at Watt Avenue, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.6 | 55.0 | 49.2 | 47.3 | 49.5 | 53.9 | 56.0 | 64.3 | 67.7 | 67.0 | 67.7 | 68.6 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.6 | 54.9 | 49.2 | 47.3 | 49.5 | 53.9 | 56.0 | 63.8 | 67.6 | 67.6 | 68.2 | 68.0 |
| 4 | 57.6 | 55.1 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 63.9 | 67.3 | 67.7 | 68.2 | 66.3 |
| 5 | 57.6 | 55.1 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 63.8 | 67.6 | 67.6 | 67.9 | 67.1 |
| 8 | 58.7 | 55.5 | 49.1 | 47.2 | 49.5 | 53.9 | 56.3 | 63.9 | 68.2 | 68.1 | 67.4 | 70.3 |
| 9 | 57.6 | 55.0 | 49.2 | 47.3 | 49.5 | 53.9 | 55.9 | 63.9 | 67.4 | 67.7 | 68.3 | 66.3 |

**Predicted Water Temperature
American River at Watt Avenue, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.9 | 56.8 | 48.5 | 46.4 | 47.8 | 55.0 | 58.2 | 62.1 | 66.6 | 68.0 | 67.6 | 69.0 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.9 | 56.7 | 48.5 | 46.4 | 47.8 | 55.1 | 58.2 | 62.1 | 65.9 | 67.4 | 68.2 | 69.0 |
| 4 | 58.9 | 56.8 | 48.8 | 46.4 | 47.9 | 55.1 | 58.1 | 62.1 | 65.7 | 67.4 | 66.6 | 69.7 |
| 5 | 58.9 | 56.8 | 48.8 | 46.4 | 47.9 | 55.0 | 58.1 | 62.1 | 65.9 | 67.2 | 66.9 | 70.4 |
| 8 | 59.5 | 57.8 | 48.5 | 46.4 | 48.0 | 54.5 | 58.5 | 62.4 | 66.2 | 67.0 | 68.2 | 71.0 |
| 9 | 58.9 | 56.8 | 48.7 | 46.4 | 47.9 | 55.0 | 58.1 | 62.1 | 65.7 | 67.4 | 66.5 | 70.4 |

**Predicted Water Temperature
American River at Watt Avenue, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.4 | 55.3 | 46.6 | 45.0 | 48.0 | 51.7 | 58.0 | 62.6 | 67.3 | 68.1 | 66.7 | 68.7 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.4 | 55.2 | 46.6 | 45.0 | 48.1 | 51.9 | 57.5 | 63.5 | 64.9 | 67.3 | 67.4 | 66.7 |
| 4 | 57.4 | 55.1 | 46.6 | 45.1 | 48.0 | 51.7 | 58.1 | 62.6 | 64.7 | 67.4 | 67.4 | 66.6 |
| 5 | 57.4 | 55.2 | 46.6 | 45.1 | 48.0 | 51.9 | 57.4 | 63.5 | 64.9 | 67.3 | 67.4 | 66.7 |
| 8 | 57.9 | 55.8 | 46.5 | 45.0 | 48.0 | 51.7 | 57.9 | 62.8 | 65.3 | 68.2 | 67.8 | 67.1 |
| 9 | 57.4 | 55.1 | 46.6 | 45.0 | 48.0 | 51.7 | 57.9 | 62.6 | 64.7 | 67.5 | 67.2 | 66.6 |

**Predicted Water Temperature
American River at Watt Avenue, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 66.1 | 61.0 | 51.3 | 46.7 | 51.9 | 57.0 | 63.2 | 69.3 | 68.4 | 67.3 | 73.2 | 71.3 |
| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 65.4 | 61.4 | 51.1 | 46.5 | 51.5 | 57.4 | 62.9 | 68.5 | 66.2 | 70.3 | 76.0 | 71.4 |
| 4 | 66.5 | 61.0 | 50.8 | 46.4 | 51.6 | 56.5 | 64.2 | 68.7 | 65.9 | 71.4 | 76.0 | 71.5 |
| 5 | 66.2 | 61.1 | 50.9 | 46.5 | 51.8 | 56.8 | 63.7 | 68.4 | 66.0 | 71.4 | 76.0 | 71.5 |
| 8 | 67.3 | 61.0 | 50.8 | 46.4 | 51.6 | 56.2 | 64.2 | 70.6 | 66.0 | 74.7 | 76.0 | 70.0 |
| 9 | 66.3 | 61.1 | 50.8 | 46.5 | 51.8 | 56.8 | 64.1 | 68.6 | 66.0 | 70.9 | 75.9 | 71.4 |

**Predicted Water Temperature
American River at the Mouth, Wet Year (1942)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 57.1 | 55.5 | 50.3 | 46.3 | 47.1 | 52.8 | 56.0 | 58.8 | 64.4 | 68.3 | 68.0 | 65.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 53.0 | 55.9 | 58.8 | 64.4 | 69.2 | 67.2 | 65.2 |
| 4 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 53.0 | 55.8 | 58.8 | 64.4 | 69.2 | 66.8 | 65.6 |
| 5 | 57.1 | 55.3 | 50.3 | 46.3 | 47.1 | 53.0 | 55.8 | 58.8 | 64.4 | 69.2 | 67.1 | 65.4 |
| 8 | 57.5 | 55.7 | 50.3 | 46.4 | 47.4 | 53.1 | 56.1 | 58.8 | 64.5 | 70.1 | 67.5 | 66.1 |
| 9 | 57.1 | 55.4 | 50.3 | 46.3 | 47.1 | 52.9 | 55.8 | 58.8 | 64.4 | 69.2 | 66.8 | 65.6 |

**Predicted Water Temperature
American River at the Mouth, Above Normal Year (1928)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.2 | 54.9 | 48.9 | 47.2 | 49.8 | 54.0 | 56.3 | 65.0 | 68.4 | 67.7 | 68.4 | 69.1 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.2 | 54.8 | 48.9 | 47.2 | 49.8 | 54.0 | 56.3 | 64.5 | 68.3 | 68.2 | 69.0 | 68.5 |
| 4 | 58.2 | 55.0 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.5 | 67.9 | 68.3 | 69.0 | 66.8 |
| 5 | 58.2 | 55.0 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.5 | 68.3 | 68.2 | 68.6 | 67.6 |
| 8 | 59.2 | 55.3 | 48.8 | 47.1 | 49.8 | 54.0 | 56.6 | 64.6 | 68.8 | 68.7 | 68.0 | 70.3 |
| 9 | 58.2 | 54.9 | 48.9 | 47.2 | 49.8 | 54.0 | 56.2 | 64.5 | 68.1 | 68.3 | 69.1 | 66.8 |

**Predicted Water Temperature
American River at the Mouth, Below Normal Year (1979)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.5 | 56.2 | 47.9 | 46.2 | 48.0 | 55.2 | 58.5 | 62.8 | 67.4 | 69.0 | 68.4 | 69.8 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.5 | 56.1 | 47.9 | 46.2 | 48.0 | 55.3 | 58.5 | 62.8 | 66.6 | 68.3 | 69.0 | 69.9 |
| 4 | 59.5 | 56.2 | 48.2 | 46.2 | 48.1 | 55.2 | 58.5 | 62.8 | 66.4 | 68.3 | 67.3 | 70.6 |
| 5 | 59.5 | 56.2 | 48.2 | 46.2 | 48.1 | 55.1 | 58.5 | 62.8 | 66.6 | 68.0 | 67.6 | 71.2 |
| 8 | 59.9 | 57.1 | 48.0 | 46.2 | 48.2 | 54.7 | 58.8 | 63.1 | 66.9 | 67.8 | 68.9 | 71.6 |
| 9 | 59.5 | 56.2 | 48.2 | 46.2 | 48.1 | 55.2 | 58.5 | 62.8 | 66.4 | 68.3 | 67.1 | 71.2 |

**Predicted Water Temperature
American River at the Mouth, Dry Year (1964)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.0 | 55.1 | 46.1 | 45.0 | 48.2 | 52.1 | 58.9 | 63.2 | 68.0 | 69.1 | 67.5 | 69.1 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.0 | 55.0 | 46.1 | 45.0 | 48.3 | 52.3 | 58.5 | 64.1 | 65.5 | 68.1 | 68.3 | 67.1 |
| 4 | 58.0 | 54.9 | 46.1 | 45.0 | 48.2 | 52.1 | 58.9 | 63.1 | 65.3 | 68.2 | 68.3 | 67.0 |
| 5 | 58.0 | 55.0 | 46.1 | 45.0 | 48.2 | 52.3 | 58.4 | 64.1 | 65.5 | 68.1 | 68.3 | 67.1 |
| 8 | 58.4 | 55.5 | 46.0 | 44.9 | 48.2 | 52.1 | 58.8 | 63.3 | 65.9 | 69.1 | 68.5 | 67.8 |
| 9 | 58.0 | 54.9 | 46.1 | 45.0 | 48.2 | 52.1 | 58.8 | 63.2 | 65.4 | 68.3 | 68.1 | 67.1 |

**Predicted Water Temperature
American River at the Mouth, Critical Year (1992)**

| Base Case Mean Predicted Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 66.1 | 60.4 | 50.6 | 46.3 | 52.2 | 57.2 | 63.8 | 70.2 | 69.2 | 68.2 | 73.9 | 71.2 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 65.5 | 60.8 | 50.5 | 46.2 | 51.8 | 57.5 | 63.4 | 69.4 | 66.8 | 71.4 | 75.9 | 71.2 |
| 4 | 66.5 | 60.5 | 50.3 | 46.0 | 52.0 | 56.8 | 64.4 | 69.6 | 66.5 | 72.5 | 75.9 | 71.3 |
| 5 | 66.2 | 60.6 | 50.3 | 46.1 | 52.1 | 57.0 | 64.1 | 69.2 | 66.6 | 72.5 | 75.9 | 71.3 |
| 8 | 67.2 | 60.5 | 50.3 | 46.0 | 51.9 | 56.6 | 64.4 | 71.1 | 66.5 | 75.0 | 75.9 | 70.7 |
| 9 | 66.4 | 60.6 | 50.2 | 46.1 | 52.1 | 57.0 | 64.4 | 69.5 | 66.7 | 71.9 | 75.9 | 71.2 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Wet Year (1980)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.6 | 56.9 | 52.4 | 47.5 | 46.3 | 48.5 | 49.5 | 51.2 | 53.5 | 55.8 | 56.6 | 57.4 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.6 | 56.6 | 52.1 | 48.6 | 46.1 | 48.3 | 48.6 | 50.4 | 52.3 | 54.7 | 55.5 | 56.6 |
| 4 | 58.7 | 56.8 | 52.2 | 48.6 | 46.2 | 48.3 | 48.7 | 50.5 | 52.4 | 54.8 | 55.6 | 56.7 |
| 5 | 58.6 | 56.6 | 52.1 | 48.4 | 46.1 | 48.3 | 48.6 | 50.5 | 52.4 | 54.8 | 55.5 | 56.6 |
| 8 | 58.7 | 56.8 | 52.2 | 48.6 | 46.2 | 48.3 | 48.7 | 50.5 | 52.4 | 54.8 | 55.6 | 56.7 |
| 9 | 59.0 | 57.0 | 52.9 | 50.6 | 48.9 | 48.2 | 48.0 | 49.2 | 50.9 | 54.2 | 55.5 | 56.6 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Above Normal Year (1963)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.5 | 57.7 | 52.8 | 46.4 | 50.3 | 50.1 | 50.3 | 51.6 | 53.8 | 55.7 | 56.7 | 57.7 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.2 | 58.0 | 51.9 | 46.6 | 50.5 | 50.6 | 50.1 | 51.4 | 53.4 | 55.6 | 56.4 | 57.7 |
| 4 | 59.3 | 58.1 | 52.1 | 46.8 | 50.6 | 50.4 | 50.4 | 51.5 | 53.5 | 55.8 | 56.6 | 57.9 |
| 5 | 59.3 | 58.1 | 52.1 | 46.8 | 50.6 | 50.3 | 50.4 | 51.6 | 53.6 | 55.8 | 56.7 | 58.0 |
| 8 | 59.1 | 58.0 | 51.9 | 46.6 | 50.5 | 50.5 | 50.2 | 51.4 | 53.4 | 55.7 | 56.4 | 57.7 |
| 9 | 58.6 | 57.4 | 52.4 | 46.8 | 49.7 | 50.7 | 49.7 | 51.1 | 54.0 | 55.6 | 56.1 | 57.4 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Below Normal Year (1950)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.2 | 58.6 | 53.4 | 48.4 | 48.9 | 49.8 | 51.5 | 52.8 | 54.3 | 56.4 | 57.5 | 58.2 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.4 | 58.5 | 52.1 | 48.3 | 49.1 | 49.9 | 51.0 | 52.2 | 54.8 | 56.8 | 57.8 | 58.9 |
| 4 | 59.5 | 58.5 | 52.1 | 48.3 | 49.1 | 49.9 | 51.0 | 52.3 | 54.8 | 56.9 | 57.9 | 59.0 |
| 5 | 59.4 | 58.5 | 52.2 | 48.4 | 49.2 | 49.9 | 51.1 | 52.3 | 54.8 | 56.9 | 57.9 | 59.0 |
| 8 | 59.3 | 58.4 | 52.0 | 48.2 | 49.0 | 49.9 | 50.9 | 52.2 | 54.7 | 56.7 | 57.7 | 58.7 |
| 9 | 59.2 | 58.3 | 53.0 | 48.5 | 48.8 | 50.0 | 50.8 | 52.1 | 54.3 | 56.2 | 57.4 | 58.2 |

**Predicted Water Temperature
Stanislaus River at Goodwin, Critical Year (1976)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.5 | 56.3 | 52.3 | 50.2 | 50.4 | 52.0 | 52.5 | 55.2 | 57.1 | 58.5 | 58.8 | 59.7 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.0 | 55.8 | 51.9 | 49.7 | 50.2 | 52.1 | 52.0 | 54.4 | 56.4 | 57.8 | 58.1 | 59.4 |
| 4 | 58.1 | 55.9 | 52.0 | 49.8 | 50.2 | 52.0 | 52.1 | 54.5 | 56.6 | 58.0 | 58.3 | 59.6 |
| 5 | 58.1 | 55.9 | 51.9 | 49.7 | 50.2 | 52.1 | 52.0 | 54.4 | 56.4 | 57.8 | 58.1 | 59.4 |
| 8 | 58.1 | 55.9 | 52.0 | 49.7 | 50.2 | 52.0 | 52.0 | 54.4 | 56.4 | 57.9 | 58.1 | 59.4 |
| 9 | 59.1 | 56.9 | 52.7 | 50.2 | 50.4 | 51.7 | 52.3 | 55.0 | 57.4 | 58.8 | 59.0 | 60.1 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Wet Year (1980)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 61.2 | 55.1 | 49.8 | 47.5 | 46.5 | 49.7 | 50.8 | 53.8 | 59.3 | 62.8 | 62.0 | 61.5 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 61.2 | 54.9 | 49.6 | 48.6 | 46.3 | 49.5 | 50.0 | 53.1 | 58.7 | 62.2 | 58.9 | 61.0 |
| 4 | 61.2 | 55.0 | 49.7 | 48.6 | 46.4 | 49.5 | 50.1 | 53.2 | 58.7 | 62.3 | 59.0 | 61.1 |
| 5 | 61.2 | 54.9 | 49.6 | 48.4 | 46.3 | 49.5 | 50.0 | 53.2 | 58.7 | 62.3 | 58.9 | 61.0 |
| 8 | 61.2 | 55.0 | 49.7 | 48.6 | 46.4 | 49.5 | 50.1 | 53.2 | 58.7 | 62.3 | 59.0 | 61.1 |
| 9 | 60.0 | 55.7 | 51.4 | 50.0 | 49.3 | 48.9 | 49.5 | 51.1 | 52.8 | 61.4 | 58.9 | 60.5 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Above Normal Year (1963)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.8 | 56.5 | 50.6 | 43.6 | 53.9 | 52.9 | 52.3 | 57.5 | 60.5 | 61.9 | 62.0 | 62.4 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.0 | 56.4 | 48.6 | 43.8 | 54.0 | 52.3 | 52.1 | 55.2 | 56.4 | 59.8 | 59.6 | 62.4 |
| 4 | 59.0 | 56.5 | 48.8 | 43.9 | 54.0 | 52.2 | 52.4 | 55.2 | 56.5 | 59.9 | 59.8 | 62.5 |
| 5 | 59.0 | 56.5 | 48.8 | 43.9 | 54.0 | 52.1 | 52.4 | 55.4 | 56.6 | 60.0 | 59.9 | 62.5 |
| 8 | 59.0 | 56.4 | 48.6 | 43.8 | 54.0 | 52.2 | 52.2 | 55.2 | 56.4 | 60.0 | 59.7 | 62.4 |
| 9 | 58.8 | 56.1 | 49.9 | 44.3 | 53.1 | 52.7 | 51.1 | 53.8 | 60.6 | 59.7 | 59.4 | 62.4 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Below Normal Year (1950)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.2 | 57.5 | 50.9 | 46.4 | 49.5 | 52.5 | 54.5 | 58.4 | 59.5 | 62.4 | 63.1 | 62.2 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.3 | 57.3 | 48.4 | 46.1 | 49.6 | 52.6 | 52.7 | 54.1 | 57.6 | 60.4 | 60.8 | 62.6 |
| 4 | 59.4 | 57.3 | 48.4 | 46.1 | 49.6 | 52.6 | 52.7 | 54.2 | 57.6 | 60.5 | 60.9 | 62.7 |
| 5 | 59.3 | 57.3 | 48.4 | 46.1 | 49.7 | 52.6 | 52.8 | 54.2 | 57.6 | 60.5 | 60.9 | 62.7 |
| 8 | 59.3 | 57.2 | 48.3 | 46.0 | 49.6 | 52.6 | 52.6 | 54.1 | 57.5 | 60.3 | 60.8 | 62.5 |
| 9 | 59.2 | 57.2 | 50.2 | 46.6 | 49.4 | 52.0 | 53.0 | 54.8 | 57.2 | 60.0 | 61.9 | 62.4 |

**Predicted Water Temperature
Stanislaus River at Orange Blossom, Critical Year (1976)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.8 | 54.8 | 50.6 | 49.5 | 50.6 | 54.4 | 54.5 | 61.1 | 61.3 | 62.9 | 61.7 | 63.5 |

| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.5 | 54.4 | 50.2 | 48.7 | 50.8 | 54.5 | 53.7 | 57.3 | 59.4 | 60.9 | 60.2 | 63.3 |
| 4 | 58.6 | 54.5 | 50.3 | 48.7 | 50.8 | 54.4 | 53.9 | 57.4 | 59.6 | 61.0 | 60.3 | 63.4 |
| 5 | 58.6 | 54.5 | 50.2 | 48.7 | 50.8 | 54.5 | 53.8 | 57.3 | 59.4 | 60.9 | 60.2 | 63.3 |
| 8 | 58.6 | 54.5 | 50.3 | 48.7 | 50.8 | 54.4 | 53.8 | 57.3 | 59.4 | 60.9 | 60.2 | 63.3 |
| 9 | 59.2 | 55.6 | 51.2 | 49.3 | 50.8 | 53.3 | 53.4 | 57.2 | 60.2 | 61.6 | 60.9 | 63.9 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Wet Year (1980)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 62.1 | 52.2 | 46.9 | 47.6 | 47.4 | 53.3 | 56.3 | 61.0 | 65.2 | 70.2 | 68.7 | 66.8 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 62.1 | 52.1 | 46.9 | 48.4 | 47.3 | 53.3 | 55.9 | 60.8 | 65.2 | 70.1 | 66.8 | 66.7 |
| 4 | 62.1 | 52.2 | 46.9 | 48.4 | 47.4 | 53.3 | 55.9 | 60.8 | 65.2 | 70.2 | 66.8 | 66.8 |
| 5 | 62.1 | 52.1 | 46.9 | 48.3 | 47.3 | 53.3 | 55.9 | 60.8 | 65.2 | 70.2 | 66.8 | 66.7 |
| 8 | 62.1 | 52.2 | 46.9 | 48.4 | 47.4 | 53.3 | 55.9 | 60.8 | 65.2 | 70.2 | 66.8 | 66.8 |
| 9 | 61.7 | 52.7 | 48.0 | 48.6 | 50.7 | 51.8 | 55.5 | 58.0 | 59.5 | 69.9 | 66.8 | 66.5 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Above Normal Year (1963)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 58.9 | 54.2 | 46.2 | 40.5 | 56.7 | 55.0 | 56.8 | 63.9 | 67.0 | 68.7 | 68.7 | 68.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 58.9 | 54.0 | 44.9 | 40.6 | 56.7 | 54.7 | 56.7 | 62.6 | 64.1 | 67.6 | 67.0 | 68.3 |
| 4 | 58.9 | 54.0 | 45.0 | 40.6 | 56.7 | 54.7 | 56.8 | 62.6 | 64.1 | 67.6 | 67.0 | 68.3 |
| 5 | 58.9 | 54.0 | 45.0 | 40.6 | 56.7 | 54.7 | 56.8 | 62.7 | 64.2 | 67.7 | 67.1 | 68.3 |
| 8 | 58.9 | 54.0 | 44.9 | 40.6 | 56.7 | 54.7 | 56.7 | 62.6 | 64.2 | 67.7 | 67.0 | 68.3 |
| 9 | 58.9 | 54.0 | 45.6 | 40.8 | 56.5 | 54.9 | 55.7 | 61.1 | 67.0 | 67.5 | 66.9 | 68.3 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Below Normal Year (1950)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.2 | 55.5 | 45.5 | 43.9 | 50.2 | 54.6 | 60.9 | 64.5 | 65.4 | 70.5 | 69.9 | 67.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.2 | 55.4 | 44.0 | 43.7 | 50.2 | 54.6 | 58.6 | 60.4 | 64.0 | 68.7 | 68.0 | 67.4 |
| 4 | 59.2 | 55.4 | 44.0 | 43.7 | 50.2 | 54.6 | 58.7 | 60.5 | 64.0 | 68.8 | 68.0 | 67.4 |
| 5 | 59.2 | 55.4 | 44.1 | 43.7 | 50.2 | 54.6 | 58.6 | 60.4 | 64.0 | 68.8 | 68.0 | 67.4 |
| 8 | 59.2 | 55.4 | 44.0 | 43.7 | 50.2 | 54.6 | 58.5 | 60.4 | 63.9 | 68.7 | 68.0 | 67.4 |
| 9 | 59.2 | 55.4 | 45.0 | 44.0 | 50.1 | 54.5 | 59.4 | 61.9 | 63.8 | 68.6 | 69.2 | 67.4 |

**Predicted Water Temperature
Stanislaus River at the Mouth, Critical Year (1976)**

| Base Case Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 1 | 59.4 | 51.7 | 46.8 | 47.5 | 51.4 | 56.3 | 58.8 | 67.0 | 67.6 | 69.6 | 66.8 | 68.3 |
| Joint POD Alternatives- Predicted Mean Monthly Temperature (degrees F) | | | | | | | | | | | | |
| Alt | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 2 | 59.3 | 51.6 | 46.7 | 46.6 | 51.8 | 56.3 | 58.3 | 64.5 | 66.2 | 68.1 | 65.6 | 68.2 |
| 4 | 59.4 | 51.6 | 46.7 | 46.6 | 51.8 | 56.3 | 58.4 | 64.5 | 66.3 | 68.1 | 65.6 | 68.3 |
| 5 | 59.4 | 51.6 | 46.7 | 46.6 | 51.8 | 56.3 | 58.3 | 64.6 | 66.2 | 68.1 | 65.6 | 68.2 |
| 8 | 59.4 | 51.6 | 46.7 | 46.6 | 51.8 | 56.3 | 58.3 | 64.5 | 66.2 | 68.1 | 65.6 | 68.2 |
| 9 | 59.4 | 52.3 | 47.4 | 47.0 | 51.8 | 55.8 | 57.2 | 63.8 | 66.4 | 68.3 | 65.8 | 68.4 |

Results of the Range of Variability Analysis
Sacramento River at Red Bluff

| IHA Group 1 | Unimpaired Conditions (1922 - 93) | | | | | | Alternative 1 | | | | | Alternative 2 | | | | | Alternative 3 | | | | | |
|----------------------------------|-----------------------------------|-------|--------------|-------|------------------------|-------|---------------|-------|--------------|-------|------------------------|---------------|-------|--------------|-------|------------------------|---------------|-------|--------------|-------|------------------------|--|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 4966 | 1777 | 2933 | 14630 | 3189 | 6742 | 7285 | 2822 | 3682 | 14636 | 36% | 7354 | 2891 | 3682 | 14221 | 36% | 7372 | 2713 | 3682 | 14221 | 44% | |
| November | 7711 | 5372 | 3300 | 35471 | 3300 | 13083 | 8916 | 5602 | 3721 | 41079 | 13% | 9093 | 5520 | 3954 | 41302 | 13% | 8861 | 5354 | 3951 | 41255 | 10% | |
| December | 13396 | 10489 | 3649 | 47214 | 3649 | 23885 | 12443 | 9546 | 4261 | 45352 | 17% | 12474 | 9719 | 4219 | 45352 | 18% | 12253 | 9558 | 4169 | 45352 | 17% | |
| January | 17837 | 13990 | 3861 | 73900 | 3861 | 31826 | 15381 | 13827 | 4733 | 78039 | 11% | 15253 | 13833 | 3903 | 78039 | 11% | 15122 | 13742 | 3903 | 78039 | 11% | |
| February | 22291 | 15087 | 4852 | 79618 | 7204 | 37378 | 18428 | 15133 | 4528 | 67087 | 29% | 18488 | 14804 | 4582 | 66082 | 25% | 18171 | 14651 | 4582 | 66078 | 26% | |
| March | 19883 | 11768 | 4659 | 76197 | 8114 | 31651 | 15455 | 13149 | 4037 | 68665 | 44% | 15570 | 12954 | 4552 | 68665 | 39% | 15462 | 13017 | 4522 | 68665 | 42% | |
| April | 16423 | 8718 | 4293 | 40438 | 7705 | 25141 | 11542 | 7317 | 5292 | 42993 | 38% | 11557 | 7318 | 4880 | 42993 | 35% | 11578 | 7335 | 4880 | 42993 | 35% | |
| May | 10988 | 4487 | 3959 | 24927 | 6500 | 15475 | 10719 | 3256 | 6178 | 20157 | 15% | 10528 | 3208 | 6031 | 20157 | 10% | 10447 | 3199 | 6031 | 20157 | 10% | |
| June | 7267 | 2479 | 3603 | 14360 | 3603 | 9745 | 10949 | 1822 | 6788 | 16681 | 82% | 12069 | 2247 | 6832 | 17600 | 86% | 12555 | 2335 | 7317 | 17625 | 89% | |
| July | 4873 | 1029 | 3030 | 7739 | 3843 | 5902 | 12794 | 2082 | 6837 | 16145 | 100% | 12231 | 1719 | 7544 | 15428 | 100% | 12314 | 1706 | 7544 | 15049 | 100% | |
| August | 4162 | 746 | 2867 | 5898 | 3416 | 4908 | 10551 | 1384 | 6812 | 13406 | 100% | 9828 | 1490 | 6424 | 13406 | 100% | 10058 | 1652 | 6377 | 13406 | 100% | |
| September | 4342 | 816 | 2811 | 5993 | 3526 | 5158 | 6269 | 2157 | 4099 | 13905 | 65% | 6305 | 2393 | 4057 | 13905 | 57% | 6589 | 2260 | 4057 | 13905 | 76% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 4029 | 703 | 2811 | 5898 | 3326 | 4732 | 5420 | 1427 | 3682 | 12290 | 75% | 5441 | 1588 | 3682 | 12290 | 69% | 5685 | 1583 | 3682 | 12290 | 71% | |
| Annual 30-day maximum | 30007 | 16299 | 5507 | 79618 | 13709 | 46306 | 26230 | 16781 | 9424 | 78039 | 43% | 26081 | 16694 | 8873 | 78039 | 33% | 25923 | 16515 | 8902 | 78039 | 32% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 11 | 8 | 10 | 10 | 1 | 8 | 3 | 19% | 9 | 2 | 1 | 12 | 15% | 10 | 1 | 9 | 3 | 19% | |
| Month of annual maximum | 2 | 1 | 11 | 5 | 1 | 3 | 3 | 3 | 10 | 8 | 42% | 4 | 3 | 1 | 12 | 42% | 4 | 3 | 1 | 12 | 46% | |
| | | | | | | | | | | | | | | | | | | | | | | |
| IHA Group 1 | Alternative 4 | | | | | | Alternative 5 | | | | | Alternative 6 | | | | | Alternative 8 | | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 7396 | 2925 | 3682 | 14221 | 36% | 7396 | 2927 | 3682 | 14221 | 36% | 7611 | 2948 | 3972 | 14705 | 42% | 7380 | 2938 | 3682 | 14221 | 35% | | |
| November | 9214 | 5548 | 4347 | 41330 | 14% | 9209 | 5551 | 4347 | 41323 | 14% | 9496 | 5705 | 3754 | 41354 | 15% | 9049 | 5539 | 3954 | 41309 | 11% | | |
| December | 12560 | 9765 | 4293 | 45352 | 18% | 12553 | 9756 | 4325 | 45352 | 18% | 12718 | 9783 | 4482 | 45352 | 18% | 12480 | 9739 | 4196 | 45352 | 18% | | |
| January | 15305 | 13816 | 3903 | 78039 | 11% | 15305 | 13816 | 3903 | 78039 | 11% | 15527 | 13821 | 4401 | 78039 | 11% | 15248 | 13835 | 3903 | 78039 | 11% | | |
| February | 18551 | 14870 | 4582 | 67095 | 26% | 18555 | 14883 | 4582 | 67486 | 25% | 18595 | 14938 | 4708 | 67113 | 25% | 18504 | 14815 | 4582 | 66719 | 26% | | |
| March | 15598 | 12972 | 4566 | 68665 | 39% | 15571 | 12938 | 4569 | 68665 | 39% | 15716 | 12926 | 4537 | 68665 | 32% | 15563 | 12982 | 4537 | 68665 | 39% | | |
| April | 11573 | 7299 | 5048 | 42993 | 35% | 11577 | 7306 | 5048 | 42993 | 35% | 11541 | 7305 | 5199 | 42993 | 36% | 11473 | 7355 | 4880 | 42993 | 36% | | |
| May | 10518 | 3205 | 6031 | 20157 | 10% | 10518 | 3203 | 6031 | 20157 | 10% | 10369 | 3272 | 6223 | 20157 | 13% | 10490 | 3229 | 6031 | 20157 | 11% | | |
| June | 11867 | 2200 | 6788 | 17219 | 85% | 11879 | 2202 | 6788 | 17331 | 85% | 11607 | 1965 | 6553 | 16681 | 85% | 12121 | 2369 | 7178 | 17563 | 83% | | |
| July | 12010 | 1711 | 7544 | 15032 | 100% | 12033 | 1696 | 7544 | 15032 | 100% | 11339 | 1637 | 6515 | 14247 | 100% | 12276 | 1764 | 7544 | 15557 | 100% | | |
| August | 9797 | 1475 | 6227 | 13406 | 100% | 9796 | 1479 | 6227 | 13406 | 100% | 9818 | 1416 | 6146 | 13406 | 100% | 9812 | 1521 | 6392 | 13406 | 100% | | |
| September | 6343 | 2406 | 4057 | 13905 | 57% | 6338 | 2410 | 4057 | 13905 | 57% | 6378 | 2404 | 4017 | 13905 | 58% | 6351 | 2372 | 4057 | 13905 | 58% | | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 5476 | 1638 | 3682 | 12290 | 69% | 5470 | 1644 | 3682 | 12290 | 69% | 5544 | 1666 | 3754 | 12290 | 69% | 5476 | 1614 | 3682 | 12290 | 69% | | |
| Annual 30-day maximum | 26031 | 16827 | 8088 | 78039 | 36% | 26021 | 16826 | 8188 | 78039 | 36% | 25944 | 16982 | 7617 | 78039 | 42% | 26111 | 16687 | 8271 | 78039 | 35% | | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 10 | 1 | 8 | 3 | 11% | 9 | 2 | 1 | 12 | 11% | 10 | 1 | 8 | 3 | 17% | 10 | 1 | 8 | 3 | 14% | | |
| Month of annual maximum | 4 | 3 | 1 | 12 | 39% | 4 | 3 | 1 | 12 | 39% | 4 | 3 | 1 | 12 | 38% | 4 | 3 | 1 | 12 | 44% | | |

Results of the Range of Variability Analysis
Feather River at Oroville

| IHA Group 1 | Unimpaired Conditions (1922 - 93) | | | | | | Alternative 1 | | | | | Alternative 2 | | | | | Alternative 3 | | | | | |
|----------------------------------|-----------------------------------|------|--------------|-------|------------------|-------|---------------|------|--------------|-------|------------------------|---------------|------|--------------|-------|------------------------|---------------|------|--------------|-------|------------------------|--|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 1778 | 1545 | 929 | 13930 | 929 | 3323 | 2965 | 1349 | 906 | 7004 | 38% | 2356 | 1367 | 894 | 7004 | 24% | 2398 | 1356 | 953 | 7004 | 19% | |
| November | 3298 | 3478 | 960 | 20875 | 960 | 6775 | 2644 | 2242 | 908 | 14457 | 10% | 2393 | 1940 | 908 | 14457 | 10% | 2498 | 1982 | 908 | 14457 | 10% | |
| December | 5942 | 6691 | 1010 | 32535 | 1010 | 12634 | 4541 | 4851 | 894 | 24365 | 14% | 4072 | 4776 | 894 | 24365 | 18% | 3989 | 4727 | 894 | 24365 | 17% | |
| January | 7501 | 7271 | 1124 | 40257 | 1124 | 14772 | 5674 | 6782 | 894 | 35828 | 21% | 5246 | 6621 | 894 | 35828 | 33% | 5272 | 6634 | 894 | 35828 | 33% | |
| February | 9822 | 7567 | 1605 | 48304 | 2256 | 17389 | 6534 | 6600 | 900 | 28884 | 56% | 6568 | 6325 | 900 | 25552 | 50% | 6572 | 6312 | 900 | 26776 | 49% | |
| March | 10402 | 6363 | 1499 | 33056 | 4039 | 16766 | 6349 | 6575 | 748 | 31825 | 53% | 6372 | 6467 | 748 | 31825 | 50% | 6383 | 6468 | 748 | 31825 | 50% | |
| April | 11536 | 5937 | 1684 | 30808 | 5599 | 17473 | 3193 | 3826 | 756 | 18737 | 85% | 3411 | 3753 | 756 | 18737 | 86% | 3332 | 3772 | 756 | 18737 | 86% | |
| May | 10177 | 6214 | 1645 | 27696 | 3963 | 16390 | 3981 | 4080 | 748 | 19801 | 65% | 3800 | 4133 | 748 | 19801 | 72% | 3766 | 4119 | 748 | 19801 | 72% | |
| June | 5452 | 3680 | 1077 | 18889 | 1772 | 9132 | 3369 | 1853 | 1008 | 10769 | 21% | 4224 | 1859 | 1008 | 10769 | 10% | 4153 | 1822 | 1008 | 10769 | 10% | |
| July | 2459 | 1065 | 1026 | 5995 | 1395 | 3524 | 4380 | 1327 | 748 | 6298 | 82% | 5984 | 2887 | 824 | 9819 | 81% | 6026 | 2868 | 775 | 9570 | 81% | |
| August | 1629 | 470 | 945 | 3210 | 1158 | 2099 | 3708 | 2018 | 868 | 6425 | 92% | 3102 | 2400 | 748 | 7749 | 93% | 3134 | 2436 | 748 | 7744 | 88% | |
| September | 1466 | 393 | 774 | 2593 | 1074 | 1859 | 1825 | 1254 | 756 | 6511 | 86% | 1631 | 1271 | 756 | 6511 | 85% | 1645 | 1267 | 756 | 6511 | 83% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 1304 | 316 | 774 | 2458 | 987 | 1620 | 979 | 124 | 748 | 1489 | 18% | 949 | 124 | 748 | 1342 | 32% | 948 | 123 | 748 | 1342 | 32% | |
| Annual 30-day maximum | 16361 | 9178 | 2053 | 48304 | 7182 | 25539 | 11485 | 7790 | 2452 | 35828 | 56% | 11841 | 7212 | 2131 | 35828 | 31% | 11824 | 7248 | 2013 | 35828 | 31% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 8 | 11 | 8 | 10 | 5 | 2 | 1 | 9 | 72% | 7 | 3 | 1 | 12 | 50% | 6 | 3 | 1 | 12 | 49% | |
| Month of annual maximum | 3 | 2 | 12 | 5 | 1 | 5 | 4 | 3 | 10 | 8 | 47% | 5 | 3 | 1 | 12 | 53% | 5 | 3 | 1 | 12 | 53% | |
| IHA Group 1 | | | | | | | | | | | | | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 2434 | 1363 | 894 | 7004 | 25% | 2433 | 1367 | 899 | 7004 | 25% | 2618 | 1601 | 894 | 7493 | 26% | 2291 | 1325 | 894 | 7004 | 19% | | |
| November | 2460 | 2030 | 908 | 14457 | 13% | 2461 | 2036 | 908 | 14457 | 13% | 2654 | 2120 | 908 | 14457 | 13% | 2351 | 1898 | 908 | 14457 | 10% | | |
| December | 4115 | 4798 | 894 | 24365 | 18% | 4105 | 4790 | 894 | 24365 | 18% | 4423 | 4949 | 894 | 24365 | 21% | 3913 | 4731 | 894 | 24365 | 18% | | |
| January | 5306 | 6679 | 894 | 35828 | 33% | 5306 | 6677 | 894 | 35828 | 33% | 5563 | 6731 | 894 | 35828 | 35% | 5189 | 6606 | 894 | 35828 | 33% | | |
| February | 6586 | 6293 | 900 | 26979 | 49% | 6571 | 6305 | 900 | 27110 | 49% | 6768 | 6566 | 900 | 28528 | 50% | 6494 | 6318 | 900 | 26194 | 53% | | |
| March | 6355 | 6439 | 748 | 31825 | 50% | 6364 | 6484 | 748 | 31825 | 50% | 6575 | 6472 | 748 | 31825 | 50% | 6371 | 6489 | 748 | 31825 | 50% | | |
| April | 3435 | 3752 | 756 | 18737 | 86% | 3432 | 3752 | 756 | 18737 | 86% | 3262 | 3758 | 756 | 18737 | 86% | 3263 | 3767 | 756 | 18737 | 86% | | |
| May | 3783 | 4146 | 748 | 19801 | 72% | 3792 | 4143 | 748 | 19801 | 72% | 3605 | 4172 | 748 | 19801 | 74% | 3680 | 4139 | 748 | 19801 | 74% | | |
| June | 4010 | 1853 | 1008 | 10769 | 13% | 4024 | 1856 | 1008 | 10769 | 13% | 3615 | 1973 | 827 | 10769 | 19% | 4218 | 1829 | 1008 | 10769 | 8% | | |
| July | 5922 | 2861 | 748 | 9623 | 81% | 5916 | 2857 | 748 | 9623 | 81% | 5192 | 2831 | 748 | 8903 | 76% | 6232 | 2893 | 842 | 9671 | 81% | | |
| August | 3150 | 2479 | 748 | 7706 | 90% | 3147 | 2474 | 748 | 7706 | 89% | 3066 | 2426 | 748 | 7650 | 85% | 3505 | 2558 | 748 | 7852 | 92% | | |
| September | 1599 | 1237 | 756 | 6511 | 82% | 1603 | 1236 | 756 | 6511 | 82% | 1794 | 1341 | 756 | 6511 | 82% | 1669 | 1279 | 756 | 6511 | 76% | | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 945 | 125 | 748 | 1342 | 32% | 945 | 125 | 748 | 1342 | 32% | 939 | 107 | 748 | 1204 | 29% | 956 | 140 | 748 | 1514 | 31% | | |
| Annual 30-day maximum | 11771 | 7240 | 1976 | 35828 | 31% | 11787 | 7278 | 1976 | 35828 | 32% | 11954 | 7443 | 2366 | 35828 | 33% | 11860 | 7173 | 2060 | 35828 | 28% | | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 6 | 3 | 1 | 12 | 71% | 6 | 3 | 1 | 12 | 71% | 5 | 2 | 1 | 9 | 76% | 5 | 2 | 1 | 9 | 75% | | |
| Month of annual maximum | 5 | 3 | 1 | 12 | 51% | 5 | 3 | 1 | 12 | 51% | 5 | 3 | 1 | 12 | 49% | 5 | 3 | 1 | 12 | 50% | | |

Results of the Range of Variability Analysis
American River at Fair Oaks

| IHA Group 1 | Unimpaired Conditions (1922 - 93) | | | | | | Alternative 1 | | | | | Alternative 2 | | | | | Alternative 3 | | | | | |
|---------------------------|-----------------------------------|------|--------------|-------|------------------|-------|---------------|------|--------------|-------|------------------------|---------------|------|--------------|-------|------------------------|---------------|------|--------------|-------|------------------------|--|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 435 | 694 | 0 | 5458 | 0 | 1129 | 2153 | 696 | 500 | 3600 | 88% | 1953 | 669 | 500 | 2798 | 85% | 2038 | 746 | 500 | 4330 | 85% | |
| November | 1557 | 2655 | 101 | 16582 | 101 | 4212 | 2699 | 2592 | 576 | 16422 | 11% | 2665 | 2688 | 576 | 17412 | 10% | 2568 | 2706 | 576 | 17331 | 7% | |
| December | 3200 | 4720 | 49 | 24585 | 49 | 7921 | 3667 | 3748 | 542 | 18593 | 10% | 3436 | 3725 | 542 | 17635 | 10% | 3304 | 3748 | 542 | 17634 | 10% | |
| January | 4463 | 4778 | 179 | 21424 | 179 | 9241 | 4399 | 4581 | 500 | 21897 | 15% | 4254 | 4591 | 500 | 21897 | 15% | 4160 | 4622 | 500 | 21897 | 14% | |
| February | 5718 | 5040 | 433 | 33658 | 678 | 10758 | 5226 | 5006 | 500 | 33077 | 14% | 5219 | 5027 | 500 | 33077 | 18% | 5060 | 5075 | 500 | 33077 | 18% | |
| March | 6099 | 3788 | 684 | 19013 | 2311 | 9887 | 4031 | 3119 | 400 | 16319 | 39% | 4097 | 3087 | 400 | 16319 | 36% | 4003 | 3120 | 400 | 16319 | 36% | |
| April | 7388 | 3310 | 1263 | 19024 | 4078 | 10698 | 3737 | 2531 | 750 | 14290 | 64% | 3770 | 2539 | 268 | 14290 | 64% | 3757 | 2534 | 272 | 14290 | 65% | |
| May | 8011 | 4184 | 1499 | 18508 | 3827 | 12195 | 3391 | 2403 | 289 | 10321 | 71% | 3498 | 2366 | 289 | 10321 | 69% | 3540 | 2336 | 571 | 10321 | 69% | |
| June | 4471 | 3264 | 286 | 15859 | 1208 | 7735 | 3932 | 2242 | 655 | 14409 | 8% | 4761 | 1917 | 649 | 14409 | 8% | 4924 | 1931 | 385 | 14409 | 10% | |
| July | 1048 | 1074 | 0 | 6224 | 0 | 2123 | 3521 | 1162 | 500 | 6488 | 92% | 3169 | 1199 | 500 | 7881 | 88% | 3248 | 1284 | 500 | 7783 | 89% | |
| August | 258 | 249 | 0 | 1466 | 8 | 507 | 2766 | 1059 | 500 | 5932 | 96% | 2429 | 1202 | 500 | 4933 | 93% | 2536 | 1294 | 500 | 4933 | 92% | |
| September | 198 | 168 | 0 | 1027 | 30 | 366 | 1914 | 1459 | 500 | 4974 | 100% | 2238 | 1357 | 500 | 4974 | 100% | 2352 | 1251 | 500 | 4974 | 100% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 156 | 144 | 0 | 842 | 12 | 301 | 1198 | 737 | 289 | 2500 | 99% | 1221 | 715 | 268 | 2500 | 99% | 1272 | 724 | 272 | 2500 | 99% | |
| Annual 30-day maximum | 10765 | 5905 | 1629 | 33658 | 4861 | 16670 | 7868 | 5739 | 946 | 33077 | 50% | 8128 | 5503 | 1188 | 33077 | 49% | 8172 | 5459 | 1051 | 33077 | 42% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 10 | 8 | 10 | 8 | 2 | 1 | 11 | 19% | 8 | 3 | 1 | 12 | 29% | 8 | 3 | 1 | 12 | 39% | |
| Month of annual maximum | 4 | 2 | 12 | 6 | 2 | 6 | 5 | 3 | 1 | 12 | 51% | 5 | 3 | 1 | 12 | 26% | 5 | 3 | 1 | 12 | 25% | |
| IHA Group 1 | | | | | | | | | | | | | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 1969 | 680 | 500 | 2939 | | 83% | 1968 | 680 | 500 | 2940 | 83% | 2043 | 639 | 500 | 3196 | 85% | 1980 | 674 | 500 | 3124 | 86% | |
| November | 2686 | 2697 | 576 | 17410 | | 10% | 2686 | 2700 | 576 | 17410 | 10% | 2784 | 2671 | 576 | 17452 | 11% | 2657 | 2690 | 576 | 17349 | 10% | |
| December | 3488 | 3757 | 542 | 17635 | | 10% | 3479 | 3760 | 542 | 17635 | 10% | 3598 | 3766 | 542 | 17634 | 10% | 3454 | 3727 | 542 | 17634 | 10% | |
| January | 4322 | 4619 | 500 | 21897 | | 15% | 4320 | 4625 | 500 | 21897 | 15% | 4400 | 4568 | 500 | 21897 | 15% | 4263 | 4567 | 500 | 21897 | 15% | |
| February | 5244 | 5014 | 500 | 33077 | | 17% | 5244 | 5014 | 500 | 33077 | 17% | 5286 | 4997 | 500 | 33077 | 15% | 5232 | 5029 | 500 | 33077 | 17% | |
| March | 4105 | 3063 | 400 | 16319 | | 35% | 4126 | 3064 | 400 | 16319 | 35% | 4141 | 3059 | 400 | 16319 | 38% | 4090 | 3075 | 400 | 16319 | 38% | |
| April | 3741 | 2531 | 268 | 14290 | | 64% | 3738 | 2537 | 268 | 14290 | 64% | 3615 | 2601 | 252 | 14290 | 67% | 3705 | 2554 | 270 | 14290 | 64% | |
| May | 3511 | 2351 | 289 | 10321 | | 69% | 3498 | 2359 | 289 | 10321 | 69% | 3391 | 2417 | 289 | 10321 | 71% | 3484 | 2373 | 289 | 10321 | 69% | |
| June | 4653 | 1966 | 642 | 14409 | | 8% | 4669 | 1948 | 642 | 14409 | 8% | 4446 | 2027 | 1036 | 14409 | 8% | 4783 | 1948 | 648 | 14409 | 8% | |
| July | 3122 | 1054 | 500 | 7384 | | 89% | 3118 | 1057 | 500 | 7385 | 89% | 2855 | 817 | 500 | 6063 | 89% | 3193 | 1168 | 500 | 7571 | 88% | |
| August | 2387 | 1188 | 500 | 4933 | | 92% | 2389 | 1187 | 500 | 4933 | 92% | 2538 | 1134 | 500 | 4933 | 96% | 2438 | 1184 | 500 | 4933 | 94% | |
| September | 2255 | 1368 | 500 | 4974 | | 100% | 2251 | 1371 | 500 | 4974 | 100% | 2375 | 1372 | 500 | 4974 | 100% | 2208 | 1357 | 500 | 4974 | 100% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 1234 | 724 | 268 | 2500 | | 99% | 1226 | 723 | 268 | 2500 | 99% | 1325 | 748 | 252 | 2500 | 97% | 1226 | 723 | 270 | 2500 | 99% | |
| Annual 30-day maximum | 8034 | 5609 | 1185 | 33077 | | 51% | 8067 | 5587 | 1185 | 33077 | 51% | 7920 | 5680 | 1069 | 33077 | 51% | 8134 | 5478 | 1265 | 33077 | 47% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 8 | 3 | 1 | 12 | | 25% | 8 | 3 | 1 | 12 | 28% | 8 | 3 | 1 | 12 | 24% | 8 | 3 | 1 | 12 | 31% | |
| Month of annual maximum | 5 | 3 | 1 | 12 | | 28% | 5 | 3 | 1 | 12 | 28% | 5 | 3 | 1 | 12 | 36% | 4 | 2 | 10 | 7 | 21% | |

Results of the Range of Variability Analysis
San Joaquin River at Vernalis

| IHA Group 1 | Unimpaired Conditions (1922 - 93) | | | | | | Alternative 1 | | | | | Alternative 2 | | | | | Alternative 3 | | | | | |
|----------------------------------|-----------------------------------|-------|--------------|-------|------------------|-------|---------------|------|--------------|-------|------------------------|---------------|------|--------------|-------|------------------------|---------------|------|--------------|-------|------------------------|--|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 903 | 990 | 147 | 6940 | 147 | 1893 | 3153 | 2566 | 1457 | 12688 | 44% | 3106 | 2258 | 1280 | 12441 | 79% | 3239 | 2426 | 1267 | 12441 | 79% | |
| November | 2389 | 3816 | 219 | 25842 | 219 | 6206 | 2081 | 1718 | 1387 | 13552 | 3% | 2011 | 1735 | 1182 | 13552 | 3% | 2037 | 1734 | 1182 | 13552 | 3% | |
| December | 4570 | 6526 | 277 | 35973 | 277 | 11095 | 2947 | 3631 | 1331 | 21495 | 6% | 2795 | 3526 | 1100 | 21495 | 4% | 2873 | 3608 | 1124 | 21495 | 6% | |
| January | 6124 | 6659 | 375 | 33464 | 375 | 12783 | 4452 | 5067 | 1288 | 24859 | 8% | 4234 | 4951 | 1088 | 24860 | 8% | 4399 | 5156 | 1088 | 24860 | 8% | |
| February | 9234 | 8104 | 433 | 41685 | 1130 | 17338 | 6930 | 7373 | 1404 | 36536 | 8% | 6532 | 6969 | 1159 | 36536 | 7% | 6866 | 7336 | 1154 | 36536 | 8% | |
| March | 10519 | 7465 | 1059 | 42098 | 3054 | 17984 | 6240 | 7231 | 1406 | 41110 | 51% | 6157 | 7016 | 1202 | 41110 | 47% | 6275 | 7206 | 1198 | 41110 | 47% | |
| April | 15561 | 6986 | 3434 | 43300 | 8575 | 22547 | 5496 | 5043 | 1529 | 27032 | 88% | 5858 | 4846 | 1990 | 27030 | 88% | 5903 | 4868 | 1974 | 27030 | 88% | |
| May | 23634 | 11360 | 4334 | 58048 | 12274 | 34993 | 4695 | 5194 | 1217 | 26213 | 90% | 5422 | 4885 | 1871 | 26043 | 90% | 5427 | 4933 | 1856 | 26212 | 90% | |
| June | 18505 | 12626 | 1279 | 63838 | 5879 | 31131 | 3756 | 5465 | 1030 | 36445 | 82% | 3845 | 5119 | 846 | 36445 | 82% | 4063 | 5324 | 1313 | 36445 | 82% | |
| July | 6393 | 6344 | 587 | 35044 | 587 | 12737 | 1805 | 1811 | 945 | 13585 | 1% | 1980 | 1731 | 776 | 13585 | 1% | 2098 | 1728 | 1385 | 13585 | 1% | |
| August | 1636 | 1750 | 179 | 11909 | 179 | 3387 | 1363 | 198 | 992 | 1730 | 0% | 1596 | 272 | 838 | 1920 | 0% | 1700 | 124 | 1450 | 1921 | 0% | |
| September | 813 | 1004 | 118 | 5825 | 118 | 1817 | 1879 | 738 | 1356 | 6851 | 44% | 1851 | 718 | 1117 | 6498 | 43% | 1859 | 717 | 1147 | 6514 | 43% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 484 | 518 | 118 | 4394 | 118 | 1003 | 1315 | 205 | 945 | 1730 | 97% | 1415 | 280 | 776 | 1920 | 92% | 1470 | 235 | 1088 | 1921 | 100% | |
| Annual 30-day maximum | 25044 | 12103 | 5034 | 63838 | 12941 | 37148 | 9131 | 8463 | 1698 | 41110 | 78% | 8911 | 8196 | 1990 | 41110 | 79% | 9194 | 8379 | 1980 | 41110 | 79% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 8 | 1 | 8 | 10 | 8 | 2 | 1 | 12 | 67% | 10 | 3 | 6 | 1 | 83% | 10 | 2 | 6 | 13 | 76% | |
| Month of annual maximum | 5 | 1 | 12 | 6 | 4 | 6 | 2 | 2 | 10 | 6 | 68% | 2 | 2 | 10 | 6 | 57% | 5 | 3 | 1 | 12 | 60% | |
| IHA Group 1 | | | | | | | | | | | | | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | | 3188 | 2406 | 1263 | 12441 | 88% | 3152 | 2321 | 1260 | 12453 | 88% | 3606 | 2431 | 2255 | 13213 | 100% | 3010 | 1718 | 1361 | 9005 | 65% | |
| November | | 1986 | 1675 | 1182 | 13552 | 3% | 2005 | 1708 | 1182 | 13552 | 3% | 2068 | 1660 | 1294 | 13708 | 3% | 2101 | 1469 | 1202 | 11693 | 3% | |
| December | | 2752 | 3403 | 1125 | 21495 | 3% | 2772 | 3444 | 1125 | 21495 | 3% | 2783 | 3315 | 1206 | 21541 | 3% | 2866 | 3160 | 1148 | 19937 | 3% | |
| January | | 4115 | 4785 | 1089 | 24860 | 7% | 4096 | 4789 | 1089 | 24860 | 7% | 3979 | 4286 | 1149 | 24731 | 6% | 4190 | 4655 | 998 | 24134 | 7% | |
| February | | 6407 | 6942 | 1167 | 36536 | 8% | 6386 | 6826 | 1167 | 36536 | 8% | 7264 | 6901 | 1275 | 36533 | 8% | 6335 | 6834 | 992 | 36539 | 8% | |
| March | | 6151 | 7167 | 1205 | 41110 | 50% | 6184 | 7107 | 1290 | 41110 | 50% | 6977 | 7189 | 1632 | 41889 | 32% | 6167 | 7022 | 1231 | 42323 | 50% | |
| April | | 5892 | 4858 | 1990 | 27033 | 88% | 5887 | 4860 | 1990 | 27033 | 88% | 7875 | 5355 | 2386 | 28719 | 63% | 6104 | 4832 | 1665 | 27053 | 88% | |
| May | | 5477 | 4901 | 1871 | 26212 | 90% | 5464 | 4893 | 1871 | 26212 | 90% | 6857 | 5316 | 1902 | 28091 | 88% | 5720 | 5196 | 1515 | 26568 | 90% | |
| June | | 4541 | 5101 | 1459 | 36445 | 82% | 4517 | 5035 | 1402 | 36445 | 82% | 4686 | 5487 | 1277 | 37225 | 83% | 4061 | 5654 | 1249 | 40304 | 81% | |
| July | | 2356 | 1656 | 1698 | 13585 | 1% | 2350 | 1647 | 1698 | 13585 | 1% | 3544 | 1994 | 1913 | 14442 | 1% | 2003 | 1754 | 912 | 13894 | 1% | |
| August | | 1780 | 151 | 1370 | 2097 | 0% | 1805 | 149 | 1399 | 2097 | 0% | 1885 | 232 | 1213 | 2216 | 0% | 1531 | 338 | 826 | 1917 | 0% | |
| September | | 1848 | 709 | 1173 | 6498 | 42% | 1867 | 721 | 1173 | 6498 | 43% | 1976 | 685 | 1339 | 6862 | 57% | 1839 | 748 | 1063 | 6797 | 36% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | | 1472 | 246 | 1089 | 1972 | 100% | 1475 | 250 | 1089 | 1972 | 100% | 1613 | 261 | 1149 | 2123 | 100% | 1436 | 303 | 826 | 1917 | 86% | |
| Annual 30-day maximum | | 9010 | 8182 | 1990 | 41110 | 78% | 8936 | 8097 | 1990 | 41110 | 81% | 9988 | 8218 | 2733 | 41889 | 79% | 8753 | 8002 | 1726 | 42323 | 79% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | | 11 | 2 | 8 | 1 | 65% | 11 | 2 | 8 | 1 | 68% | 11 | 2 | 8 | 1 | 63% | 9 | 2 | 6 | 1 | 68% | |
| Month of annual maximum | | 5 | 3 | 1 | 12 | 64% | 5 | 3 | 1 | 12 | 67% | 4 | 2 | 1 | 12 | 38% | 2 | 2 | 10 | 5 | 54% | |

Results of the Range of Variability Analysis
Stanislaus River at Melones Reservoir

| IHA Group 1 | Unimpaired Conditions (1922 - 93) | | | | | | Alternative 1 | | | | | Alternative 2 | | | | | Alternative 3 | | | | | |
|----------------------------------|-----------------------------------|------|--------------|-------|------------------------|------|---------------|--------------|--------------|------------------------|------------------------|---------------|--------------|--------------|------------------------|------------------------|---------------|--------------|--------------|------------------------|------------------------|--|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 160 | 179 | 0 | 1434 | 0 | 339 | 601 | 1292 | 63 | 5362 | 15% | 565 | 1060 | 0 | 5362 | 44% | 535 | 1234 | 63 | 5362 | 14% | |
| November | 475 | 878 | 34 | 6162 | 34 | 1353 | 381 | 466 | 198 | 3360 | 3% | 317 | 471 | 198 | 3360 | 3% | 341 | 475 | 198 | 3360 | 3% | |
| December | 858 | 1309 | 49 | 6712 | 49 | 2166 | 463 | 754 | 130 | 4744 | 4% | 437 | 653 | 130 | 4744 | 3% | 392 | 710 | 130 | 4744 | 4% | |
| January | 1178 | 1354 | 49 | 6240 | 49 | 2533 | 651 | 949 | 130 | 4918 | 7% | 435 | 859 | 130 | 4918 | 6% | 599 | 976 | 130 | 4918 | 7% | |
| February | 1651 | 1507 | 18 | 9596 | 144 | 3158 | 965 | 1204 | 124 | 4986 | 22% | 576 | 923 | 124 | 4969 | 29% | 888 | 1175 | 124 | 4969 | 31% | |
| March | 2003 | 1229 | 212 | 6696 | 775 | 3232 | 544 | 988 | 130 | 5292 | 85% | 466 | 921 | 130 | 5292 | 90% | 527 | 989 | 130 | 5292 | 86% | |
| April | 3222 | 1263 | 589 | 7290 | 1958 | 4485 | 750 | 433 | 471 | 1467 | 100% | 1120 | 630 | 471 | 3243 | 92% | 744 | 424 | 471 | 1467 | 100% | |
| May | 4558 | 2247 | 717 | 9694 | 2311 | 6805 | 449 | 328 | 255 | 2067 | 100% | 1186 | 575 | 255 | 2707 | 94% | 443 | 325 | 255 | 2067 | 100% | |
| June | 2914 | 2033 | 185 | 10640 | 881 | 4947 | 585 | 909 | 255 | 4595 | 90% | 687 | 651 | 255 | 4595 | 85% | 648 | 882 | 255 | 4595 | 90% | |
| July | 836 | 807 | 0 | 4659 | 30 | 1643 | 352 | 244 | 265 | 2231 | 1% | 542 | 258 | 265 | 2231 | 1% | 475 | 243 | 265 | 2231 | 1% | |
| August | 200 | 193 | 0 | 1254 | 6 | 393 | 317 | 44 | 283 | 407 | 10% | 563 | 122 | 283 | 702 | 88% | 558 | 52 | 412 | 675 | 100% | |
| September | 108 | 113 | 0 | 640 | 0 | 221 | 264 | 102 | 249 | 1110 | 100% | 253 | 67 | 0 | 758 | 99% | 256 | 62 | 249 | 774 | 100% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 69 | 67 | 0 | 488 | 2 | 135 | 115 | 60 | 63 | 289 | 19% | 120 | 81 | 0 | 631 | 14% | 101 | 82 | 63 | 616 | 14% | |
| Annual 30-day maximum | 4922 | 2280 | 717 | 10640 | 2642 | 7202 | 1547 | 1543 | 471 | 5362 | 78% | 1759 | 1179 | 478 | 5362 | 83% | 1520 | 1464 | 488 | 5362 | 79% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 2 | 8 | 10 | 11 | 2 | 8 | 3 | 31% | 11 | 2 | 5 | 3 | 53% | 9 | 3 | 3 | 10 | 17% | |
| Month of annual maximum | 4 | 1 | 12 | 6 | 3 | 5 | 3 | 2 | 10 | 6 | 44% | 5 | 2 | 1 | 10 | 28% | 6 | 3 | 1 | 12 | 90% | |
| IHA Group 1 | Alternative 4 | | | | | | Alternative 5 | | | | | Alternative 6 | | | | | Alternative 8 | | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | | |
| | | | Low | High | | | | Low | High | | | | Low | High | | | | Low | High | | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 677 | 1177 | 63 | 5362 | 46% | 627 | 1109 | 63 | 5362 | 43% | 582 | 1289 | 63 | 5362 | 15% | 418 | 456 | 125 | 1501 | 29% | | |
| November | 333 | 474 | 198 | 3360 | 3% | 326 | 472 | 198 | 3360 | 3% | 342 | 475 | 198 | 3360 | 3% | 451 | 416 | 208 | 1501 | 13% | | |
| December | 350 | 661 | 130 | 4744 | 3% | 339 | 660 | 130 | 4744 | 3% | 403 | 775 | 130 | 4744 | 4% | 463 | 484 | 208 | 3187 | 1% | | |
| January | 518 | 902 | 130 | 4918 | 6% | 476 | 880 | 130 | 4918 | 6% | 543 | 915 | 130 | 4918 | 6% | 473 | 571 | 146 | 3487 | 3% | | |
| February | 769 | 1044 | 124 | 4969 | 26% | 672 | 953 | 124 | 4969 | 26% | 995 | 1129 | 124 | 4969 | 21% | 621 | 724 | 146 | 4825 | 1% | | |
| March | 558 | 968 | 130 | 5292 | 82% | 525 | 947 | 130 | 5292 | 85% | 648 | 941 | 130 | 5292 | 86% | 533 | 851 | 146 | 6502 | 85% | | |
| April | 898 | 448 | 471 | 1701 | 100% | 1068 | 505 | 471 | 2572 | 97% | 797 | 403 | 471 | 1467 | 100% | 1124 | 396 | 475 | 1591 | 100% | | |
| May | 835 | 606 | 255 | 2425 | 97% | 1022 | 528 | 255 | 2484 | 99% | 540 | 315 | 255 | 2067 | 100% | 1196 | 572 | 455 | 3837 | 96% | | |
| June | 621 | 860 | 255 | 4595 | 89% | 607 | 770 | 255 | 4595 | 88% | 579 | 897 | 255 | 4595 | 90% | 971 | 1073 | 241 | 8460 | 78% | | |
| July | 392 | 241 | 265 | 2231 | 1% | 390 | 240 | 265 | 2231 | 1% | 308 | 246 | 265 | 2231 | 1% | 575 | 271 | 255 | 2545 | 1% | | |
| August | 505 | 102 | 283 | 699 | 83% | 482 | 102 | 283 | 699 | 76% | 413 | 126 | 283 | 655 | 46% | 506 | 150 | 268 | 684 | 72% | | |
| September | 256 | 60 | 249 | 758 | 100% | 256 | 60 | 249 | 758 | 100% | 260 | 90 | 249 | 1016 | 100% | 270 | 100 | 224 | 1067 | 100% | | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 131 | 79 | 63 | 631 | 22% | 129 | 79 | 63 | 631 | 22% | 123 | 72 | 63 | 380 | 22% | 218 | 83 | 125 | 635 | 82% | | |
| Annual 30-day maximum | 1743 | 1348 | 471 | 5362 | 81% | 1757 | 1218 | 471 | 5362 | 83% | 1590 | 1487 | 471 | 5362 | 78% | 1367 | 1050 | 588 | 8460 | 94% | | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 12 | 2 | 8 | 3 | 58% | 12 | 2 | 8 | 3 | 58% | 10 | 1 | 8 | 3 | 7% | 9 | 2 | 3 | 10 | 17% | | |
| Month of annual maximum | 6 | 3 | 1 | 10 | 47% | 5 | 2 | 1 | 10 | 31% | 5 | 3 | 1 | 12 | 64% | 5 | 2 | 1 | 12 | 40% | | |

Results of the Range of Variability Analysis
Tuolumne River at LaGrange

| IHA Group 1 | Unimpaired Conditions (1922 - 93) | | | | | | Alternative 1 | | | | | Alternative 2 | | | | | Alternative 3 | | | | | |
|----------------------------------|-----------------------------------|------|--------------|-------|------------------------|-------|---------------|--------------|--------------|------------------------|------------------------|---------------|--------------|--------------|------------------------|------------------------|---------------|--------------|--------------|------------------------|------------------------|--|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 276 | 351 | 0 | 2493 | 0 | 627 | 388 | 414 | 125 | 3065 | 17% | 388 | 414 | 125 | 3065 | 17% | 388 | 414 | 125 | 3065 | 17% | |
| November | 827 | 1287 | 17 | 8788 | 17 | 2115 | 324 | 572 | 150 | 4500 | 3% | 324 | 572 | 150 | 4500 | 3% | 324 | 572 | 150 | 4500 | 3% | |
| December | 1456 | 2010 | 65 | 10590 | 65 | 3466 | 447 | 916 | 150 | 6265 | 3% | 447 | 916 | 150 | 6265 | 3% | 434 | 913 | 150 | 6265 | 3% | |
| January | 1800 | 1907 | 81 | 9417 | 81 | 3707 | 1034 | 1687 | 150 | 7405 | 11% | 1034 | 1687 | 150 | 7405 | 11% | 895 | 1494 | 150 | 6031 | 8% | |
| February | 2569 | 1982 | 144 | 11111 | 587 | 4552 | 1436 | 2036 | 149 | 7430 | 74% | 1436 | 2036 | 149 | 7430 | 74% | 1292 | 1954 | 149 | 7430 | 78% | |
| March | 2976 | 1647 | 375 | 9123 | 1329 | 4623 | 1697 | 1983 | 150 | 8555 | 67% | 1697 | 1983 | 150 | 8555 | 67% | 1617 | 1973 | 150 | 8555 | 69% | |
| April | 4577 | 1700 | 1330 | 11111 | 2877 | 6277 | 1215 | 1213 | 242 | 7048 | 92% | 1215 | 1213 | 242 | 7048 | 92% | 1186 | 1217 | 242 | 7048 | 92% | |
| May | 7163 | 2874 | 1727 | 15640 | 4290 | 10037 | 941 | 985 | 242 | 6407 | 97% | 941 | 985 | 242 | 6407 | 97% | 941 | 985 | 242 | 6407 | 97% | |
| June | 5830 | 3566 | 286 | 17104 | 2264 | 9396 | 916 | 1910 | 50 | 10801 | 86% | 916 | 1910 | 50 | 10801 | 86% | 904 | 1908 | 50 | 10801 | 86% | |
| July | 1910 | 1943 | 163 | 10264 | 163 | 3852 | 407 | 985 | 50 | 6785 | 56% | 407 | 985 | 50 | 6785 | 56% | 406 | 985 | 50 | 6785 | 56% | |
| August | 390 | 480 | 0 | 3340 | 0 | 870 | 152 | 94 | 50 | 250 | 0% | 152 | 94 | 50 | 250 | 0% | 152 | 94 | 50 | 250 | 0% | |
| September | 194 | 287 | 0 | 1751 | 0 | 482 | 251 | 441 | 50 | 3223 | 11% | 251 | 441 | 50 | 3223 | 11% | 251 | 441 | 50 | 3223 | 11% | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 106 | 136 | 0 | 976 | 0 | 242 | 129 | 78 | 50 | 250 | 24% | 129 | 78 | 50 | 250 | 24% | 129 | 78 | 50 | 250 | 24% | |
| Annual 30-day maximum | 7693 | 3075 | 1768 | 17104 | 4618 | 10769 | 2365 | 2423 | 242 | 10801 | 82% | 2365 | 2423 | 242 | 10801 | 82% | 2248 | 2384 | 242 | 10801 | 83% | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 8 | 1 | 8 | 10 | 7 | 2 | 2 | 11 | 85% | 7 | 2 | 2 | 11 | 86% | 7 | 2 | 2 | 11 | 88% | |
| Month of annual maximum | 5 | 1 | 11 | 6 | 4 | 6 | 3 | 2 | 10 | 6 | 47% | 3 | 2 | 10 | 6 | 47% | 4 | 2 | 1 | 12 | 43% | |
| IHA Group 1 | Alternative 4 | | | | | | Alternative 5 | | | | | Alternative 6 | | | | | Alternative 8 | | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | | |
| | | | Low | High | | | | Low | High | | | | Low | High | | | | Low | High | | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | | | | | | | |
| October | 388 | 414 | 125 | 3065 | 17% | 514 | 353 | 258 | 3056 | 14% | 388 | 414 | 125 | 3065 | 17% | 386 | 413 | 125 | 3065 | 15% | | |
| November | 324 | 572 | 150 | 4500 | 3% | 311 | 568 | 0 | 4503 | 4% | 324 | 572 | 150 | 4500 | 3% | 324 | 572 | 150 | 4500 | 3% | | |
| December | 434 | 913 | 150 | 6265 | 3% | 410 | 881 | 150 | 6269 | 3% | 447 | 916 | 150 | 6265 | 3% | 434 | 909 | 150 | 6265 | 3% | | |
| January | 905 | 1508 | 150 | 6041 | 8% | 715 | 1243 | 150 | 5699 | 4% | 1034 | 1687 | 150 | 7405 | 11% | 1018 | 1653 | 150 | 7405 | 11% | | |
| February | 1301 | 1951 | 149 | 7430 | 76% | 1265 | 1755 | 149 | 7421 | 67% | 1436 | 2036 | 149 | 7430 | 74% | 1400 | 2027 | 149 | 7430 | 76% | | |
| March | 1632 | 1980 | 150 | 8555 | 68% | 1491 | 1793 | 150 | 8555 | 76% | 1697 | 1983 | 150 | 8555 | 67% | 1663 | 1996 | 150 | 8555 | 67% | | |
| April | 1192 | 1216 | 242 | 7048 | 92% | 1404 | 1106 | 525 | 7051 | 93% | 1215 | 1213 | 242 | 7048 | 92% | 1188 | 1216 | 242 | 7048 | 92% | | |
| May | 941 | 985 | 242 | 6407 | 97% | 1213 | 946 | 466 | 6412 | 97% | 941 | 985 | 242 | 6407 | 97% | 941 | 985 | 242 | 6407 | 97% | | |
| June | 906 | 1912 | 50 | 10801 | 86% | 1073 | 1747 | 129 | 10411 | 88% | 916 | 1910 | 50 | 10801 | 86% | 901 | 1906 | 50 | 10801 | 88% | | |
| July | 406 | 985 | 50 | 6785 | 56% | 797 | 892 | 384 | 6797 | 3% | 407 | 985 | 50 | 6785 | 56% | 407 | 985 | 50 | 6785 | 56% | | |
| August | 152 | 94 | 50 | 250 | 0% | 158 | 88 | 0 | 250 | 0% | 152 | 94 | 50 | 250 | 0% | 152 | 94 | 50 | 250 | 0% | | |
| September | 251 | 441 | 50 | 3223 | 11% | 248 | 440 | 50 | 3232 | 10% | 251 | 441 | 50 | 3223 | 11% | 251 | 441 | 50 | 3223 | 11% | | |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 129 | 78 | 50 | 250 | 24% | 128 | 80 | 0 | 250 | 24% | 129 | 78 | 50 | 250 | 24% | 129 | 78 | 50 | 250 | 24% | | |
| Annual 30-day maximum | 2260 | 2384 | 242 | 10801 | 83% | 2189 | 2173 | 525 | 10411 | 88% | 2365 | 2423 | 242 | 10801 | 82% | 2331 | 2422 | 242 | 10801 | 85% | | |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 7 | 2 | 2 | 11 | 86% | 9 | 1 | 8 | 11 | 74% | 7 | 2 | 2 | 11 | 85% | 7 | 2 | 2 | 11 | 86% | | |
| Month of annual maximum | 4 | 2 | 1 | 12 | 43% | 4 | 2 | 1 | 12 | 29% | 3 | 2 | 10 | 6 | 47% | 3 | 2 | 10 | 6 | 43% | | |

A5-197

Results of the Range of Variability Analysis - Cumulative Impacts

San Joaquin River at Vernalis

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>No Project</u> | | | | | <u>Bav/Delta Plan</u> | | | | | <u>Cumulative Impacts</u> | | | | |
|-------------------------------------|--|--------|--------------|--------|------------------|--------|-------------------|-------|--------------|--------|------------------------|-----------------------|-------|--------------|--------|------------------------|---------------------------|-------|--------------|--------|------------------------|
| | Mean | SD | Range Limits | | RVA Target Range | | Mean | SD | Range Limits | | Rate of Non-Attainment | Mean | SD | Range Limits | | Rate of Non-Attainment | Mean | SD | Range Limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude (cfs) | | | | | | | | | | | | | | | | | | | | | |
| October | 903 | 990 | 147 | 6,940 | 147 | 1,893 | 3,153 | 2,566 | 1,457 | 12,688 | 44% | 3,091 | 2,270 | 1,254 | 12,441 | 78% | 3,108 | 2,292 | 1,252 | 12,445 | 76% |
| November | 2,389 | 3,816 | 219 | 25,842 | 219 | 6,206 | 2,081 | 1,718 | 1,387 | 13,552 | 3% | 1,993 | 1,697 | 1,183 | 13,552 | 3% | 2,003 | 1,691 | 1,186 | 13,555 | 3% |
| December | 4,570 | 6,526 | 277 | 35,973 | 277 | 11,095 | 2,947 | 3,631 | 1,331 | 21,495 | 6% | 2,768 | 3,475 | 1,124 | 21,495 | 4% | 2,785 | 3,471 | 1,125 | 21,502 | 4% |
| January | 6,124 | 6,659 | 375 | 33,464 | 375 | 12,783 | 4,452 | 5,067 | 1,288 | 24,859 | 8% | 4,183 | 4,877 | 1,088 | 24,860 | 8% | 4,206 | 4,898 | 1,088 | 24,863 | 8% |
| February | 9,234 | 8,104 | 433 | 41,685 | 1,130 | 17,338 | 6,930 | 7,373 | 1,404 | 36,536 | 8% | 6,486 | 6,946 | 1,159 | 36,536 | 7% | 6,492 | 6,958 | 1,163 | 36,538 | 7% |
| March | 10,519 | 7,465 | 1,059 | 42,098 | 3,054 | 17,984 | 6,240 | 7,231 | 1,406 | 41,110 | 51% | 6,140 | 7,015 | 1,202 | 41,110 | 49% | 6,124 | 7,029 | 1,208 | 41,111 | 49% |
| April | 15,561 | 6,986 | 3,434 | 43,300 | 8,575 | 22,547 | 5,496 | 5,043 | 1,529 | 27,032 | 88% | 5,852 | 4,864 | 1,990 | 27,030 | 88% | 5,844 | 4,871 | 1,990 | 27,031 | 88% |
| May | 23,634 | 11,360 | 4,334 | 58,048 | 12,274 | 34,993 | 4,695 | 5,194 | 1,217 | 26,213 | 90% | 5,441 | 4,900 | 1,871 | 26,139 | 90% | 5,432 | 4,910 | 1,871 | 26,214 | 90% |
| June | 18,505 | 12,626 | 1,279 | 63,838 | 5,879 | 31,131 | 3,756 | 5,465 | 1,030 | 36,445 | 82% | 3,930 | 5,157 | 1,253 | 36,445 | 82% | 3,920 | 5,204 | 1,246 | 36,448 | 82% |
| July | 6,393 | 6,344 | 587 | 35,044 | 587 | 12,737 | 1,805 | 1,811 | 945 | 13,585 | 1% | 2,029 | 1,707 | 1,133 | 13,585 | 1% | 2,032 | 1,708 | 1,122 | 13,588 | 1% |
| August | 1,636 | 1,750 | 179 | 11,909 | 179 | 3,387 | 1,363 | 198 | 992 | 1,730 | 0% | 1,638 | 197 | 1,163 | 1,921 | 0% | 1,643 | 195 | 1,188 | 1,923 | 0% |
| September | 813 | 1,004 | 118 | 5,825 | 118 | 1,817 | 1,879 | 738 | 1,356 | 6,851 | 44% | 1,842 | 710 | 1,160 | 6,498 | 43% | 1,843 | 710 | 1,184 | 6,501 | 43% |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes (cfs) | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 484 | 518 | 118 | 4,394 | 118 | 1,003 | 1,315 | 205 | 945 | 1,730 | 97% | 1,449 | 232 | 1,088 | 1,921 | 100% | 1,453 | 236 | 1,088 | 1,923 | 100% |
| Annual 30-day maximum | 25,044 | 12,103 | 5,034 | 63,838 | 12,941 | 37,148 | 9,131 | 8,463 | 1,698 | 41,110 | 78% | 8,798 | 8,185 | 1,990 | 41,110 | 81% | 8,816 | 8,190 | 1,990 | 41,111 | 81% |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 8 | 1 | 8 | 10 | 8 | 2 | 1 | 12 | 67% | 8 | 4 | 1 | 12 | 85% | 7 | 4 | 1 | 12 | 82% |
| Month of annual maximum | 5 | 1 | 12 | 6 | 4 | 6 | 2 | 2 | 10 | 6 | 68% | 5 | 3 | 1 | 12 | 54% | 5 | 3 | 1 | 12 | 54% |

Sacramento River near Red Bluff

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>No Project</u> | | | | | <u>Bav/Delta Plan</u> | | | | | <u>Cumulative Impacts</u> | | | | |
|-------------------------------------|--|--------|--------------|--------|------------------|--------|-------------------|--------|--------------|--------|------------------------|-----------------------|--------|--------------|--------|------------------------|---------------------------|--------|--------------|--------|------------------------|
| | Mean | SD | Range Limits | | RVA Target Range | | Mean | SD | Range Limits | | Rate of Non-Attainment | Mean | SD | Range Limits | | Rate of Non-Attainment | Mean | SD | Range Limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude (cfs) | | | | | | | | | | | | | | | | | | | | | |
| October | 4,966 | 1,777 | 2,933 | 14,630 | 3,189 | 6,742 | 7,285 | 2,822 | 3,682 | 14,636 | 36% | 7,353 | 2,902 | 3,682 | 14,221 | 36% | 7,367 | 2,789 | 3,682 | 14,221 | 43% |
| November | 7,711 | 5,372 | 3,300 | 35,471 | 3,300 | 13,083 | 8,916 | 5,602 | 3,721 | 41,079 | 13% | 9,105 | 5,511 | 4,352 | 41,303 | 13% | 8,963 | 5,429 | 3,754 | 40,429 | 13% |
| December | 13,396 | 10,489 | 3,649 | 47,214 | 3,649 | 23,885 | 12,443 | 9,546 | 4,261 | 45,352 | 17% | 12,473 | 9,717 | 4,224 | 45,352 | 18% | 12,394 | 9,676 | 3,990 | 45,352 | 18% |
| January | 17,837 | 13,990 | 3,861 | 73,900 | 3,861 | 31,826 | 15,381 | 13,827 | 4,733 | 78,039 | 11% | 15,251 | 13,833 | 3,903 | 78,039 | 11% | 15,215 | 13,802 | 3,905 | 78,039 | 11% |
| February | 22,291 | 15,087 | 4,852 | 79,618 | 7,204 | 37,378 | 18,428 | 15,133 | 4,528 | 67,087 | 29% | 18,501 | 14,804 | 4,582 | 66,086 | 25% | 18,336 | 14,791 | 4,582 | 65,733 | 28% |
| March | 19,883 | 11,768 | 4,659 | 76,197 | 8,114 | 31,651 | 15,455 | 13,149 | 4,037 | 68,665 | 44% | 15,581 | 12,966 | 4,555 | 68,665 | 39% | 15,355 | 13,036 | 4,775 | 68,665 | 43% |
| April | 16,423 | 8,718 | 4,293 | 40,438 | 7,705 | 25,141 | 11,542 | 7,317 | 5,292 | 42,993 | 38% | 11,554 | 7,320 | 4,880 | 42,993 | 35% | 11,559 | 7,316 | 5,048 | 42,993 | 36% |
| May | 10,988 | 4,487 | 3,959 | 24,927 | 6,500 | 15,475 | 10,719 | 3,256 | 6,178 | 20,157 | 15% | 10,533 | 3,202 | 6,031 | 20,157 | 10% | 10,474 | 3,214 | 6,031 | 20,157 | 10% |
| June | 7,267 | 2,479 | 3,603 | 14,360 | 3,603 | 9,745 | 10,949 | 1,822 | 6,788 | 16,681 | 82% | 12,057 | 2,246 | 7,157 | 17,593 | 86% | 11,059 | 1,771 | 7,281 | 16,681 | 81% |
| July | 4,873 | 1,029 | 3,030 | 7,739 | 3,843 | 5,902 | 12,794 | 2,082 | 6,837 | 16,145 | 100% | 12,213 | 1,738 | 7,544 | 15,329 | 100% | 12,710 | 1,931 | 7,544 | 16,524 | 100% |
| August | 4,162 | 746 | 2,867 | 5,898 | 3,416 | 4,908 | 10,551 | 1,384 | 6,812 | 13,406 | 100% | 9,823 | 1,495 | 6,227 | 13,406 | 100% | 10,044 | 1,659 | 6,301 | 13,406 | 100% |
| September | 4,342 | 816 | 2,811 | 5,993 | 3,526 | 5,158 | 6,269 | 2,157 | 4,099 | 13,905 | 65% | 6,306 | 2,393 | 4,057 | 13,905 | 57% | 7,265 | 1,849 | 5,630 | 13,905 | 100% |
| IHA Group 2 | | | | | | | | | | | | | | | | | | | | | |
| Mean Annual Extremes (cfs) | | | | | | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 4,029 | 703 | 2,811 | 5,898 | 3,326 | 4,732 | 5,420 | 1,427 | 3,682 | 12,290 | 75% | 5,438 | 1,589 | 3,682 | 12,290 | 68% | 6,061 | 1,534 | 3,682 | 12,290 | 82% |
| Annual 30-day maximum | 30,007 | 16,299 | 5,507 | 79,618 | 13,709 | 46,306 | 26,230 | 16,781 | 9,424 | 78,039 | 43% | 26,097 | 16,701 | 8,859 | 78,039 | 33% | 25,932 | 16,703 | 8,377 | 78,039 | 38% |
| IHA Group 3 | | | | | | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 11 | 8 | 10 | 10 | 1 | 8 | 3 | 19% | 9 | 2 | 1 | 12 | 13% | 9 | 3 | 1 | 12 | 31% |
| Month of annual maximum | 2 | 1 | 11 | 5 | 1 | 3 | 3 | 3 | 10 | 8 | 42% | 4 | 3 | 1 | 12 | 40% | 5 | 3 | 1 | 12 | 46% |

Results of the Range of Variability Analysis
 Sacramento River near Red Bluff
 Joint POD Alternatives

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>Alternative 1</u> | | | | | <u>Alternative 2</u> | | | | |
|----------------------------------|--|-------|--------------|-------|------------------|-------|----------------------|-------|--------------|-------|------------------------|----------------------|-------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 4966 | 1777 | 2933 | 14630 | 3189 | 6742 | 7285 | 2822 | 3682 | 14636 | 36% | 7353 | 2902 | 3682 | 14221 | 36% |
| November | 7711 | 5372 | 3300 | 35471 | 3300 | 13083 | 8916 | 5602 | 3721 | 41079 | 13% | 9105 | 5511 | 4352 | 41303 | 13% |
| December | 13396 | 10489 | 3649 | 47214 | 3649 | 23885 | 12443 | 9546 | 4261 | 45352 | 17% | 12473 | 9717 | 4224 | 45352 | 18% |
| January | 17837 | 13990 | 3861 | 73900 | 3861 | 31826 | 15381 | 13827 | 4733 | 78039 | 11% | 15251 | 13833 | 3903 | 78039 | 11% |
| February | 22291 | 15087 | 4852 | 79618 | 7204 | 37378 | 18428 | 15133 | 4528 | 67087 | 29% | 18501 | 14804 | 4582 | 66086 | 25% |
| March | 19883 | 11768 | 4659 | 76197 | 8114 | 31651 | 15455 | 13149 | 4037 | 68665 | 44% | 15581 | 12966 | 4555 | 68665 | 39% |
| April | 16423 | 8718 | 4293 | 40438 | 7705 | 25141 | 11542 | 7317 | 5292 | 42993 | 38% | 11554 | 7320 | 4880 | 42993 | 35% |
| May | 10988 | 4487 | 3959 | 24927 | 6500 | 15475 | 10719 | 3256 | 6178 | 20157 | 15% | 10533 | 3202 | 6031 | 20157 | 10% |
| June | 7267 | 2479 | 3603 | 14360 | 3603 | 9745 | 10949 | 1822 | 6788 | 16681 | 82% | 12057 | 2246 | 7157 | 17593 | 86% |
| July | 4873 | 1029 | 3030 | 7739 | 3843 | 5902 | 12294 | 2082 | 6837 | 16145 | 100% | 12213 | 1738 | 7544 | 15329 | 100% |
| August | 4162 | 746 | 2867 | 5898 | 3416 | 4908 | 10551 | 1384 | 6812 | 13406 | 100% | 9823 | 1495 | 6227 | 13406 | 100% |
| September | 4342 | 816 | 2811 | 5993 | 3526 | 5158 | 6269 | 2157 | 4099 | 13905 | 65% | 6306 | 2393 | 4057 | 13905 | 57% |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 4029 | 703 | 2811 | 5898 | 3326 | 4732 | 5420 | 1427 | 3682 | 12290 | 75% | 5438 | 1589 | 3682 | 12290 | 68% |
| Annual 30-day maximum | 30007 | 16299 | 5507 | 79618 | 13709 | 46306 | 26230 | 16781 | 9424 | 78039 | 43% | 26097 | 16701 | 8859 | 78039 | 33% |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 11 | 8 | 10 | 10 | 1 | 8 | 3 | 19% | 9 | 2 | 1 | 12 | 13% |
| Month of annual maximum | 2 | 1 | 11 | 5 | 1 | 3 | 3 | 3 | 10 | 8 | 42% | 4 | 3 | 1 | 12 | 40% |

| IHA Group 1 | <u>Alternative 3</u> | | | | | <u>Alternative 4</u> | | | | | <u>Alternative 5</u> | | | | |
|----------------------------------|----------------------|-------|--------------|-------|------------------------|----------------------|-------|--------------|-------|------------------------|----------------------|-------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | |
| October | 7424 | 2811 | 3682 | 14221 | 46% | 7325 | 2769 | 3682 | 14221 | 43% | 7287 | 2745 | 3682 | 14221 | 39% |
| November | 8952 | 5448 | 3949 | 41303 | 11% | 8829 | 5422 | 3949 | 41286 | 11% | 8831 | 5438 | 3949 | 41089 | 11% |
| December | 12405 | 9650 | 4259 | 45352 | 18% | 12375 | 9662 | 4254 | 45352 | 18% | 12310 | 9548 | 4261 | 45352 | 18% |
| January | 15219 | 13795 | 3903 | 78039 | 11% | 15161 | 13766 | 3903 | 78039 | 11% | 15200 | 13767 | 3903 | 78039 | 11% |
| February | 18362 | 14784 | 4582 | 65912 | 25% | 18328 | 14799 | 4582 | 65667 | 25% | 18342 | 14796 | 4582 | 65787 | 26% |
| March | 15548 | 12967 | 4627 | 68665 | 39% | 15504 | 12993 | 4785 | 68665 | 39% | 15450 | 12959 | 4714 | 68665 | 38% |
| April | 11573 | 7289 | 4880 | 42993 | 33% | 11474 | 7322 | 4880 | 42993 | 35% | 11582 | 7327 | 4880 | 42993 | 35% |
| May | 10497 | 3197 | 6031 | 20157 | 10% | 10442 | 3221 | 6031 | 20157 | 11% | 10474 | 3194 | 6031 | 20157 | 10% |
| June | 12080 | 2219 | 7216 | 17587 | 86% | 12267 | 2311 | 7317 | 17585 | 86% | 12087 | 2217 | 7216 | 17555 | 86% |
| July | 12359 | 1737 | 7544 | 15218 | 100% | 12467 | 1691 | 7544 | 15215 | 100% | 12524 | 1702 | 7544 | 15681 | 100% |
| August | 10064 | 1650 | 6227 | 13842 | 100% | 10233 | 1737 | 6227 | 13640 | 100% | 10399 | 1852 | 6227 | 14530 | 100% |
| September | 6252 | 2313 | 4057 | 13905 | 60% | 6361 | 2228 | 4057 | 13905 | 64% | 6248 | 2302 | 4057 | 13905 | 61% |
| IHA Group 2 | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 5499 | 1606 | 3682 | 12290 | 65% | 5577 | 1603 | 3682 | 12290 | 63% | 5461 | 1586 | 3682 | 12290 | 57% |
| Annual 30-day maximum | 26004 | 16645 | 8917 | 78039 | 36% | 26052 | 16577 | 9026 | 78039 | 35% | 25957 | 16628 | 9026 | 78039 | 36% |
| IHA Group 3 | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 2 | 1 | 12 | 13% | 9 | 2 | 1 | 12 | 14% | 9 | 2 | 1 | 12 | 15% |
| Month of annual maximum | 4 | 3 | 1 | 12 | 42% | 4 | 3 | 1 | 12 | 44% | 5 | 3 | 1 | 12 | 46% |

Results of the Range of Variability Analysis

Sacramento River near Red Bluff

Joint POD Alternatives

| | Alternative 6 | | | | | Alternative 7 | | | | |
|----------------------------------|----------------------|-------|--------------|-------|------------------------|----------------------|-------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 7188 | 2720 | 3682 | 14221 | 39% | 7238 | 2721 | 3682 | 14221 | 39% |
| November | 8675 | 5348 | 3721 | 41119 | 10% | 8791 | 5292 | 3721 | 39668 | 11% |
| December | 12250 | 9559 | 4130 | 45352 | 18% | 12294 | 9546 | 4249 | 45352 | 18% |
| January | 15169 | 13727 | 3903 | 78039 | 11% | 15216 | 13760 | 3903 | 78039 | 11% |
| February | 18241 | 14690 | 4582 | 64631 | 26% | 18295 | 14790 | 4582 | 65177 | 25% |
| March | 15517 | 13045 | 4667 | 68665 | 39% | 15369 | 13007 | 4751 | 68665 | 42% |
| April | 11966 | 7219 | 5048 | 42993 | 29% | 11575 | 7321 | 4880 | 42993 | 35% |
| May | 10220 | 3191 | 6031 | 20157 | 10% | 10442 | 3191 | 6031 | 20157 | 10% |
| June | 12489 | 2467 | 6951 | 17616 | 85% | 12094 | 2215 | 7278 | 17530 | 85% |
| July | 12361 | 1897 | 7544 | 15631 | 100% | 12705 | 1908 | 7544 | 16392 | 100% |
| August | 10521 | 1873 | 6243 | 14638 | 100% | 10663 | 2015 | 6227 | 14788 | 100% |
| September | 6172 | 2280 | 3994 | 13905 | 57% | 6031 | 2255 | 4057 | 13905 | 51% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 5357 | 1472 | 3682 | 12290 | 58% | 5310 | 1527 | 3682 | 12290 | 56% |
| Annual 30-day maximum | 25941 | 16578 | 8418 | 78039 | 35% | 26001 | 16572 | 9026 | 78039 | 33% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 9 | 2 | 1 | 12 | 11% | 9 | 2 | 1 | 12 | 14% |
| Month of annual maximum | 4 | 3 | 1 | 12 | 46% | 5 | 3 | 1 | 12 | 46% |
| | | | | | | | | | | |
| | Alternative 8 | | | | | Alternative 9 | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 7315 | 2725 | 3682 | 14221 | 44% | 7371 | 2823 | 3682 | 14221 | 42% |
| November | 8634 | 5196 | 3950 | 39041 | 11% | 8903 | 5497 | 3954 | 41309 | 11% |
| December | 12226 | 9502 | 4145 | 45352 | 18% | 12439 | 9741 | 4199 | 45352 | 18% |
| January | 15183 | 13758 | 3912 | 78039 | 11% | 15245 | 13794 | 3903 | 78039 | 11% |
| February | 18203 | 14721 | 4582 | 63691 | 25% | 18372 | 14830 | 4582 | 66755 | 25% |
| March | 15365 | 13051 | 4687 | 68665 | 42% | 15499 | 13013 | 4793 | 68665 | 40% |
| April | 11558 | 7339 | 4880 | 42993 | 35% | 11474 | 7347 | 4880 | 42993 | 36% |
| May | 10420 | 3198 | 6031 | 20157 | 10% | 10479 | 3238 | 6031 | 20157 | 11% |
| June | 12053 | 2192 | 7216 | 17765 | 86% | 12121 | 2382 | 7219 | 17563 | 83% |
| July | 12778 | 2012 | 7544 | 17048 | 100% | 12434 | 1740 | 7544 | 15634 | 100% |
| August | 11026 | 2268 | 6227 | 16215 | 100% | 10162 | 1730 | 6393 | 13489 | 100% |
| September | 5958 | 2098 | 4057 | 13905 | 54% | 6267 | 2281 | 4057 | 13905 | 56% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 5356 | 1549 | 3682 | 12323 | 58% | 5477 | 1630 | 3682 | 12290 | 60% |
| Annual 30-day maximum | 25922 | 16552 | 9026 | 78039 | 36% | 26061 | 16668 | 9026 | 78039 | 33% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 9 | 2 | 1 | 12 | 14% | 9 | 2 | 1 | 12 | 13% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 46% | 4 | 3 | 1 | 12 | 44% |

Results of the Range of Variability Analysis
 Feather River near Oroville
 Joint POD Alternatives

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>Alternative 1</u> | | | | | <u>Alternative 2</u> | | | | |
|----------------------------------|--|------|--------------|-------|------------------------|------------------------|----------------------|------|--------------|-------|------------------------|----------------------|------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 1778 | 1545 | 929 | 13930 | 929 | 3323 | 2965 | 1349 | 906 | 7004 | 38% | 2358 | 1365 | 894 | 7004 | 24% |
| November | 3298 | 3478 | 960 | 20875 | 960 | 6775 | 2644 | 2242 | 908 | 14457 | 10% | 2402 | 1943 | 908 | 14457 | 10% |
| December | 5942 | 6691 | 1010 | 32535 | 1010 | 12634 | 4541 | 4851 | 894 | 24365 | 14% | 4070 | 4772 | 894 | 24365 | 18% |
| January | 7501 | 7271 | 1124 | 40257 | 1124 | 14772 | 5674 | 6782 | 894 | 35828 | 21% | 5243 | 6623 | 894 | 35828 | 33% |
| February | 9822 | 7567 | 1605 | 48304 | 2256 | 17389 | 6534 | 6600 | 900 | 28884 | 56% | 6565 | 6315 | 900 | 25552 | 50% |
| March | 10402 | 6363 | 1499 | 33056 | 4039 | 16766 | 6349 | 6575 | 748 | 31825 | 53% | 6375 | 6469 | 748 | 31825 | 50% |
| April | 11536 | 5937 | 1684 | 30808 | 5599 | 17473 | 3193 | 3826 | 756 | 18737 | 85% | 3414 | 3754 | 756 | 18737 | 86% |
| May | 10177 | 6214 | 1645 | 27696 | 3963 | 16390 | 3981 | 4080 | 748 | 19801 | 65% | 3801 | 4134 | 748 | 19801 | 72% |
| June | 5452 | 3680 | 1077 | 18889 | 1772 | 9132 | 3369 | 1853 | 1008 | 10769 | 21% | 4224 | 1867 | 1008 | 10769 | 10% |
| July | 2459 | 1065 | 1026 | 5995 | 1395 | 3524 | 4380 | 1327 | 748 | 6298 | 82% | 5977 | 2892 | 824 | 9719 | 81% |
| August | 1629 | 470 | 945 | 3210 | 1158 | 2099 | 3708 | 2018 | 868 | 6425 | 92% | 3101 | 2418 | 748 | 7749 | 93% |
| September | 1466 | 393 | 774 | 2593 | 1074 | 1859 | 1825 | 1254 | 756 | 6511 | 86% | 1630 | 1270 | 756 | 6511 | 85% |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 1304 | 316 | 774 | 2458 | 987 | 1620 | 979 | 124 | 748 | 1489 | 18% | 946 | 125 | 748 | 1342 | 32% |
| Annual 30-day maximum | 16361 | 9178 | 2053 | 48304 | 7182 | 25539 | 11485 | 7790 | 2452 | 35828 | 56% | 11846 | 7203 | 2025 | 35828 | 31% |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 8 | 11 | 8 | 10 | 5 | 2 | 1 | 9 | 72% | 6 | 3 | 1 | 12 | 64% |
| Month of annual maximum | 3 | 2 | 12 | 5 | 1 | 5 | 4 | 3 | 10 | 8 | 47% | 5 | 3 | 1 | 12 | 53% |
| IHA Group 1 | <u>Alternative 3</u> | | | | | | <u>Alternative 4</u> | | | | | <u>Alternative 5</u> | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 2384 | 1361 | 894 | 7004 | 24% | 2356 | 1326 | 894 | 7004 | 19% | 2458 | 1376 | 894 | 7004 | 25% | |
| November | 2416 | 1927 | 908 | 14457 | 8% | 2409 | 1989 | 908 | 14457 | 10% | 2494 | 2072 | 908 | 14457 | 10% | |
| December | 4075 | 4767 | 894 | 24365 | 17% | 4010 | 4727 | 894 | 24365 | 17% | 4068 | 4742 | 894 | 24365 | 17% | |
| January | 5243 | 6638 | 894 | 35828 | 33% | 5158 | 6616 | 894 | 35828 | 33% | 5217 | 6609 | 894 | 35828 | 33% | |
| February | 6550 | 6264 | 900 | 25653 | 50% | 6507 | 6352 | 900 | 26486 | 53% | 6524 | 6291 | 900 | 26066 | 50% | |
| March | 6345 | 6490 | 748 | 31825 | 50% | 6390 | 6477 | 748 | 31825 | 50% | 6451 | 6451 | 748 | 31825 | 49% | |
| April | 3372 | 3768 | 756 | 18737 | 86% | 3261 | 3770 | 756 | 18737 | 86% | 3384 | 3765 | 756 | 18737 | 86% | |
| May | 3787 | 4143 | 748 | 19801 | 72% | 3718 | 4133 | 748 | 19801 | 72% | 3803 | 4130 | 748 | 19801 | 72% | |
| June | 4214 | 1874 | 1008 | 10769 | 10% | 4131 | 1866 | 1008 | 10769 | 10% | 4190 | 1896 | 1008 | 10769 | 11% | |
| July | 6016 | 2873 | 823 | 9716 | 81% | 6139 | 2896 | 822 | 9714 | 82% | 5889 | 2861 | 822 | 9715 | 81% | |
| August | 3113 | 2436 | 748 | 7746 | 90% | 3405 | 2598 | 748 | 7889 | 93% | 3011 | 2396 | 748 | 7743 | 89% | |
| September | 1645 | 1278 | 756 | 6511 | 82% | 1689 | 1287 | 756 | 6511 | 81% | 1680 | 1278 | 756 | 6511 | 83% | |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 949 | 123 | 748 | 1342 | 32% | 952 | 128 | 748 | 1342 | 32% | 949 | 123 | 748 | 1342 | 32% | |
| Annual 30-day maximum | 11816 | 7196 | 2026 | 35828 | 32% | 11846 | 7217 | 1959 | 35828 | 29% | 11756 | 7242 | 1924 | 35828 | 35% | |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 6 | 3 | 1 | 12 | 64% | 6 | 3 | 1 | 12 | 67% | 6 | 3 | 1 | 12 | 63% | |
| Month of annual maximum | 5 | 3 | 1 | 12 | 53% | 5 | 3 | 1 | 12 | 51% | 5 | 3 | 1 | 12 | 53% | |

Results of the Range of Variability Analysis
Feather River near Oroville
Joint POD Alternatives

| | Alternative 6 | | | | | Alternative 7 | | | | |
|----------------------------------|----------------------|------|--------------|-------|------------------------|----------------------|------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 2396 | 1316 | 894 | 7004 | 19% | 2414 | 1423 | 1018 | 7004 | 21% |
| November | 2376 | 1931 | 908 | 14457 | 8% | 2384 | 1913 | 908 | 14457 | 8% |
| December | 3991 | 4699 | 894 | 24365 | 17% | 4068 | 4761 | 894 | 24365 | 17% |
| January | 5190 | 6594 | 894 | 35828 | 33% | 5256 | 6678 | 894 | 35828 | 33% |
| February | 6444 | 6326 | 900 | 26592 | 51% | 6497 | 6187 | 900 | 21715 | 50% |
| March | 6345 | 6468 | 748 | 31825 | 50% | 6346 | 6580 | 748 | 31825 | 50% |
| April | 3733 | 3705 | 756 | 18737 | 83% | 3368 | 3766 | 756 | 18737 | 86% |
| May | 3588 | 4103 | 748 | 19801 | 76% | 3834 | 4133 | 748 | 19801 | 72% |
| June | 4200 | 1830 | 1008 | 10769 | 8% | 4221 | 1861 | 1008 | 10769 | 11% |
| July | 6073 | 2970 | 831 | 9714 | 81% | 7066 | 4135 | 822 | 13125 | 79% |
| August | 3164 | 2464 | 748 | 7953 | 92% | 2124 | 1567 | 748 | 7434 | 81% |
| September | 1688 | 1302 | 756 | 6511 | 78% | 1572 | 1221 | 756 | 6511 | 85% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 967 | 155 | 748 | 1708 | 31% | 947 | 124 | 748 | 1342 | 32% |
| Annual 30-day maximum | 11747 | 7226 | 2152 | 35828 | 33% | 12605 | 6987 | 2023 | 35828 | 29% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 6 | 3 | 1 | 12 | 65% | 6 | 3 | 1 | 12 | 63% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 47% | 5 | 3 | 1 | 12 | 57% |
| | | | | | | | | | | |
| | Alternative 8 | | | | | Alternative 9 | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 2426 | 1411 | 1025 | 7004 | 19% | 2294 | 1329 | 894 | 7004 | 21% |
| November | 2388 | 1911 | 908 | 14457 | 8% | 2362 | 1901 | 908 | 14457 | 8% |
| December | 4072 | 4763 | 894 | 24365 | 17% | 3962 | 4717 | 894 | 24365 | 17% |
| January | 5260 | 6674 | 894 | 35828 | 33% | 5185 | 6608 | 894 | 35828 | 33% |
| February | 6553 | 6276 | 900 | 24054 | 50% | 6517 | 6341 | 900 | 26154 | 53% |
| March | 6333 | 6518 | 748 | 31825 | 50% | 6418 | 6458 | 748 | 31825 | 50% |
| April | 3366 | 3762 | 756 | 18737 | 86% | 3220 | 3774 | 756 | 18737 | 86% |
| May | 3826 | 4135 | 748 | 19801 | 72% | 3672 | 4140 | 748 | 19801 | 74% |
| June | 4238 | 1875 | 1008 | 10769 | 11% | 4190 | 1843 | 1008 | 10769 | 8% |
| July | 7015 | 4149 | 801 | 13124 | 79% | 6203 | 2913 | 840 | 9665 | 81% |
| August | 2118 | 1522 | 748 | 7407 | 78% | 3483 | 2543 | 748 | 7847 | 90% |
| September | 1568 | 1225 | 756 | 6511 | 88% | 1679 | 1300 | 756 | 6511 | 79% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 947 | 122 | 748 | 1342 | 32% | 959 | 143 | 748 | 1508 | 32% |
| Annual 30-day maximum | 12604 | 6990 | 2024 | 35828 | 29% | 11889 | 7163 | 2057 | 35828 | 28% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 6 | 3 | 1 | 12 | 65% | 6 | 3 | 1 | 12 | 68% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 57% | 5 | 3 | 1 | 12 | 50% |

Results of the Range of Variability Analysis
American River at Fair Oaks
Joint POD Alternatives

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>Alternative 1</u> | | | | | <u>Alternative 2</u> | | | | |
|----------------------------------|--|------|--------------|-------|------------------------|-------|----------------------|--------------|--------------|------------------------|------------------------|----------------------|--------------|--------------|------------------------|------------------------|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 435 | 694 | 0 | 5458 | 0 | 1129 | 2153 | 696 | 500 | 3600 | 88% | 1963 | 664 | 500 | 2798 | 86% |
| November | 1557 | 2655 | 101 | 16582 | 101 | 4212 | 2699 | 2592 | 576 | 16422 | 11% | 2661 | 2689 | 576 | 17412 | 10% |
| December | 3200 | 4720 | 49 | 24585 | 49 | 7921 | 3667 | 3748 | 542 | 18593 | 10% | 3437 | 3726 | 542 | 17635 | 10% |
| January | 4463 | 4778 | 179 | 21424 | 179 | 9241 | 4399 | 4581 | 500 | 21897 | 15% | 4258 | 4593 | 500 | 21897 | 15% |
| February | 5718 | 5040 | 433 | 33658 | 678 | 10758 | 5226 | 5006 | 500 | 33077 | 14% | 5228 | 5020 | 500 | 33077 | 17% |
| March | 6099 | 3788 | 684 | 19013 | 2311 | 9887 | 4031 | 3119 | 400 | 16319 | 39% | 4118 | 3081 | 400 | 16319 | 35% |
| April | 7388 | 3310 | 1263 | 19024 | 4078 | 10698 | 3737 | 2531 | 750 | 14290 | 64% | 3765 | 2529 | 268 | 14290 | 64% |
| May | 8011 | 4184 | 1499 | 18508 | 3827 | 12195 | 3391 | 2403 | 289 | 10321 | 71% | 3497 | 2364 | 289 | 10321 | 69% |
| June | 4471 | 3264 | 286 | 15859 | 1208 | 7735 | 3932 | 2242 | 655 | 14409 | 8% | 4746 | 1930 | 649 | 14409 | 8% |
| July | 1048 | 1074 | 0 | 6224 | 0 | 2123 | 3521 | 1162 | 500 | 6488 | 92% | 3170 | 1173 | 500 | 7608 | 88% |
| August | 258 | 249 | 0 | 1466 | 8 | 507 | 2766 | 1059 | 500 | 5932 | 96% | 2408 | 1190 | 500 | 4933 | 93% |
| September | 198 | 168 | 0 | 1027 | 30 | 366 | 1914 | 1459 | 500 | 4974 | 100% | 2240 | 1358 | 500 | 4974 | 100% |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 156 | 144 | 0 | 842 | 12 | 301 | 1198 | 737 | 289 | 2500 | 99% | 1221 | 715 | 268 | 2500 | 99% |
| Annual 30-day maximum | 10765 | 5905 | 1629 | 33658 | 4861 | 16670 | 7868 | 5739 | 946 | 33077 | 50% | 8105 | 5518 | 1165 | 33077 | 50% |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 10 | 8 | 10 | 8 | 2 | 1 | 11 | 19% | 8 | 3 | 1 | 12 | 25% |
| Month of annual maximum | 4 | 2 | 12 | 6 | 2 | 6 | 5 | 3 | 1 | 12 | 51% | 5 | 3 | 1 | 12 | 26% |
| | | | | | | | | | | | | | | | | |
| IHA Group 1 | <u>Alternative 3</u> | | | | | | <u>Alternative 4</u> | | | | | <u>Alternative 5</u> | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 2052 | 674 | 500 | 3373 | 89% | 1975 | 662 | 500 | 3511 | 88% | 2015 | 701 | 500 | 3689 | 86% | |
| November | 2629 | 2695 | 576 | 17424 | 8% | 2562 | 2633 | 576 | 16637 | 7% | 2569 | 2671 | 576 | 17251 | 7% | |
| December | 3378 | 3710 | 542 | 17635 | 10% | 3411 | 3752 | 542 | 17635 | 10% | 3368 | 3716 | 542 | 17635 | 10% | |
| January | 4229 | 4610 | 500 | 21897 | 15% | 4197 | 4607 | 500 | 21897 | 14% | 4235 | 4568 | 500 | 21897 | 14% | |
| February | 5176 | 5020 | 500 | 33077 | 18% | 5083 | 5059 | 500 | 33077 | 18% | 5108 | 5053 | 500 | 33077 | 18% | |
| March | 4049 | 3093 | 400 | 16319 | 38% | 4067 | 3124 | 400 | 16319 | 38% | 4063 | 3131 | 400 | 16319 | 36% | |
| April | 3767 | 2521 | 268 | 14290 | 65% | 3698 | 2558 | 268 | 14290 | 67% | 3729 | 2539 | 268 | 14290 | 65% | |
| May | 3514 | 2354 | 289 | 10321 | 69% | 3480 | 2366 | 289 | 10321 | 69% | 3484 | 2365 | 289 | 10321 | 69% | |
| June | 4717 | 1945 | 648 | 14409 | 8% | 4865 | 1917 | 650 | 14409 | 10% | 4730 | 1934 | 650 | 14409 | 8% | |
| July | 3255 | 1239 | 500 | 7607 | 90% | 3297 | 1276 | 500 | 7607 | 90% | 3332 | 1279 | 500 | 7606 | 90% | |
| August | 2590 | 1276 | 500 | 4933 | 93% | 2703 | 1391 | 500 | 5231 | 93% | 2839 | 1429 | 500 | 5197 | 93% | |
| September | 2126 | 1285 | 500 | 4974 | 100% | 2136 | 1253 | 500 | 4974 | 100% | 1998 | 1278 | 500 | 4974 | 100% | |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 1215 | 688 | 268 | 2500 | 99% | 1239 | 735 | 268 | 2500 | 99% | 1164 | 692 | 268 | 2500 | 99% | |
| Annual 30-day maximum | 8055 | 5550 | 1217 | 33077 | 51% | 8129 | 5451 | 1216 | 33077 | 42% | 8075 | 5498 | 1184 | 33077 | 51% | |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 8 | 3 | 1 | 12 | 31% | 8 | 3 | 1 | 12 | 32% | 8 | 3 | 1 | 12 | 29% | |
| Month of annual maximum | 5 | 3 | 1 | 12 | 28% | 5 | 3 | 1 | 12 | 25% | 5 | 3 | 1 | 12 | 31% | |

Results of the Range of Variability Analysis

American River at Fair Oaks

Joint POD Alternatives

| | Alternative 6 | | | | | Alternative 7 | | | | |
|----------------------------------|----------------------|------|--------------|-------|------------------------|----------------------|------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 2022 | 716 | 500 | 4460 | 85% | 2024 | 705 | 500 | 3915 | 85% |
| November | 2575 | 2684 | 576 | 17285 | 7% | 2545 | 2640 | 576 | 16890 | 7% |
| December | 3371 | 3761 | 542 | 17638 | 10% | 3331 | 3703 | 542 | 17634 | 10% |
| January | 4188 | 4581 | 500 | 21897 | 14% | 4230 | 4578 | 500 | 21897 | 15% |
| February | 5092 | 5058 | 500 | 33077 | 18% | 5124 | 5040 | 500 | 33077 | 18% |
| March | 4049 | 3127 | 400 | 16319 | 36% | 4033 | 3132 | 400 | 16319 | 39% |
| April | 3896 | 2436 | 318 | 14290 | 63% | 3753 | 2540 | 268 | 14290 | 64% |
| May | 3377 | 2423 | 300 | 10321 | 71% | 3516 | 2355 | 289 | 10321 | 69% |
| June | 4891 | 1899 | 661 | 14409 | 8% | 4717 | 1963 | 649 | 14409 | 8% |
| July | 3294 | 1202 | 500 | 7324 | 90% | 3422 | 1329 | 500 | 7604 | 89% |
| August | 2777 | 1403 | 500 | 5292 | 93% | 2922 | 1390 | 500 | 5269 | 93% |
| September | 1952 | 1290 | 500 | 4974 | 100% | 1849 | 1338 | 500 | 4974 | 100% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 1131 | 710 | 300 | 2500 | 99% | 1031 | 669 | 268 | 2500 | 99% |
| Annual 30-day maximum | 8129 | 5453 | 1083 | 33077 | 44% | 8118 | 5465 | 1236 | 33077 | 47% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 8 | 3 | 1 | 12 | 28% | 8 | 3 | 1 | 12 | 28% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 26% | 5 | 3 | 1 | 12 | 39% |
| | | | | | | | | | | |
| | Alternative 8 | | | | | Alternative 9 | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 1937 | 744 | 500 | 3280 | 83% | 2027 | 649 | 500 | 3535 | 88% |
| November | 2378 | 2599 | 580 | 16511 | 6% | 2615 | 2627 | 576 | 16673 | 7% |
| December | 3227 | 3695 | 542 | 17481 | 10% | 3425 | 3711 | 542 | 17635 | 10% |
| January | 4132 | 4597 | 500 | 21835 | 15% | 4243 | 4555 | 500 | 21897 | 15% |
| February | 4982 | 5064 | 500 | 33010 | 21% | 5112 | 5045 | 500 | 33077 | 18% |
| March | 3921 | 3112 | 400 | 16241 | 40% | 4052 | 3114 | 403 | 16319 | 39% |
| April | 3655 | 2508 | 259 | 14179 | 65% | 3703 | 2551 | 401 | 14290 | 65% |
| May | 3439 | 2311 | 298 | 10176 | 74% | 3462 | 2379 | 289 | 10321 | 69% |
| June | 4587 | 1955 | 391 | 14212 | 8% | 4783 | 1944 | 671 | 14409 | 8% |
| July | 3320 | 1348 | 500 | 7581 | 88% | 3276 | 1240 | 500 | 7571 | 89% |
| August | 2874 | 1337 | 500 | 4910 | 90% | 2679 | 1320 | 500 | 4933 | 94% |
| September | 1559 | 1178 | 500 | 4794 | 100% | 2096 | 1302 | 500 | 4974 | 100% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 948 | 649 | 259 | 2500 | 99% | 1230 | 746 | 289 | 2500 | 99% |
| Annual 30-day maximum | 7943 | 5511 | 1137 | 33010 | 51% | 8067 | 5470 | 1021 | 33077 | 46% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 8 | 3 | 1 | 12 | 26% | 8 | 3 | 1 | 12 | 33% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 38% | 5 | 3 | 1 | 12 | 22% |

Results of the Range of Variability Analysis
San Joaquin River at Vernalis
Joint POD Alternatives

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>Alternative 1</u> | | | | | <u>Alternative 2</u> | | | | |
|----------------------------------|--|-------|--------------|-------|------------------|-------|----------------------|------|--------------|-------|------------------------|----------------------|------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 903 | 990 | 147 | 6940 | 147 | 1893 | 3153 | 2566 | 1457 | 12688 | 44% | 3091 | 2270 | 1254 | 12441 | 78% |
| November | 2389 | 3816 | 219 | 25842 | 219 | 6206 | 2081 | 1718 | 1387 | 13552 | 3% | 1993 | 1697 | 1183 | 13552 | 3% |
| December | 4570 | 6526 | 277 | 35973 | 277 | 11095 | 2947 | 3631 | 1331 | 21495 | 6% | 2768 | 3475 | 1124 | 21495 | 4% |
| January | 6124 | 6659 | 375 | 33464 | 375 | 12783 | 4452 | 5067 | 1288 | 24859 | 8% | 4183 | 4877 | 1088 | 24860 | 8% |
| February | 9234 | 8104 | 433 | 41685 | 1130 | 17338 | 6930 | 7373 | 1404 | 36536 | 8% | 6486 | 6946 | 1159 | 36536 | 7% |
| March | 10519 | 7465 | 1059 | 42098 | 3054 | 17984 | 6240 | 7231 | 1406 | 41110 | 51% | 6140 | 7015 | 1202 | 41110 | 49% |
| April | 15561 | 6986 | 3434 | 43300 | 8575 | 22547 | 5496 | 5043 | 1529 | 27032 | 88% | 5852 | 4864 | 1990 | 27030 | 88% |
| May | 23634 | 11360 | 4334 | 58048 | 12274 | 34993 | 4695 | 5194 | 1217 | 26213 | 90% | 5441 | 4900 | 1871 | 26139 | 90% |
| June | 18505 | 12626 | 1279 | 63838 | 5879 | 31131 | 3756 | 5465 | 1030 | 36445 | 82% | 3930 | 5157 | 1253 | 36445 | 82% |
| July | 6393 | 6344 | 587 | 35044 | 587 | 12737 | 1805 | 1811 | 945 | 13585 | 1% | 2029 | 1707 | 1133 | 13585 | 1% |
| August | 1636 | 1750 | 179 | 11909 | 179 | 3387 | 1363 | 198 | 992 | 1730 | 0% | 1638 | 197 | 1163 | 1921 | 0% |
| September | 813 | 1004 | 118 | 5825 | 118 | 1817 | 1879 | 738 | 1356 | 6851 | 44% | 1842 | 710 | 1160 | 6498 | 43% |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 484 | 518 | 118 | 4394 | 118 | 1003 | 1315 | 205 | 945 | 1730 | 97% | 1449 | 232 | 1088 | 1921 | 100% |
| Annual 30-day maximum | 25044 | 12103 | 5034 | 63838 | 12941 | 37148 | 9131 | 8463 | 1698 | 41110 | 78% | 8798 | 8185 | 1990 | 41110 | 81% |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 8 | 1 | 8 | 10 | 8 | 2 | 1 | 12 | 67% | 8 | 4 | 1 | 12 | 85% |
| Month of annual maximum | 5 | 1 | 12 | 6 | 4 | 6 | 2 | 2 | 10 | 6 | 68% | 5 | 3 | 1 | 12 | 54% |

| IHA Group 1 | <u>Alternative 3</u> | | | | | | <u>Alternative 4</u> | | | | | <u>Alternative 5</u> | | | | |
|----------------------------------|----------------------|------|--------------|-------|------------------------|------|----------------------|--------------|-------|------------------------|------|----------------------|--------------|-------|------------------------|--|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 3097 | 2272 | 1270 | 12441 | 76% | 3092 | 2274 | 1276 | 12441 | 76% | 3099 | 2271 | 1277 | 12441 | 76% | |
| November | 2000 | 1697 | 1185 | 13552 | 3% | 1999 | 1694 | 1185 | 13552 | 3% | 2003 | 1697 | 1184 | 13552 | 3% | |
| December | 2776 | 3482 | 1125 | 21495 | 4% | 2775 | 3482 | 1125 | 21495 | 4% | 2778 | 3481 | 1125 | 21495 | 4% | |
| January | 4194 | 4889 | 1089 | 24860 | 8% | 4192 | 4889 | 1089 | 24860 | 8% | 4198 | 4893 | 1089 | 24860 | 8% | |
| February | 6482 | 6951 | 1160 | 36536 | 7% | 6464 | 6952 | 1160 | 36536 | 7% | 6486 | 6950 | 1160 | 36536 | 7% | |
| March | 6127 | 7026 | 1204 | 41110 | 49% | 6111 | 6993 | 1206 | 41110 | 49% | 6128 | 7026 | 1207 | 41110 | 49% | |
| April | 5852 | 4864 | 1990 | 27030 | 88% | 5872 | 4854 | 1990 | 27030 | 88% | 5853 | 4863 | 1990 | 27030 | 88% | |
| May | 5443 | 4900 | 1871 | 26143 | 90% | 5460 | 4897 | 1871 | 26143 | 90% | 5442 | 4900 | 1871 | 26143 | 90% | |
| June | 3934 | 5159 | 1258 | 36445 | 82% | 3945 | 5140 | 1257 | 36445 | 82% | 3936 | 5159 | 1264 | 36445 | 82% | |
| July | 2033 | 1706 | 1136 | 13585 | 1% | 2035 | 1705 | 1136 | 13585 | 1% | 2037 | 1705 | 1144 | 13585 | 1% | |
| August | 1642 | 197 | 1163 | 1921 | 0% | 1643 | 197 | 1162 | 1921 | 0% | 1645 | 197 | 1166 | 1921 | 0% | |
| September | 1847 | 709 | 1170 | 6498 | 43% | 1848 | 709 | 1176 | 6498 | 43% | 1851 | 708 | 1178 | 6498 | 43% | |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 1453 | 234 | 1089 | 1921 | 100% | 1455 | 234 | 1089 | 1921 | 100% | 1456 | 235 | 1089 | 1921 | 100% | |
| Annual 30-day maximum | 8808 | 8188 | 1990 | 41110 | 81% | 8811 | 8154 | 1990 | 41110 | 81% | 8810 | 8188 | 1990 | 41110 | 81% | |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 8 | 4 | 1 | 12 | 86% | 8 | 4 | 1 | 12 | 86% | 8 | 4 | 1 | 12 | 86% | |
| Month of annual maximum | 5 | 3 | 1 | 12 | 54% | 5 | 3 | 1 | 12 | 54% | 5 | 3 | 1 | 12 | 54% | |

Results of the Range of Variability Analysis
San Joaquin River at Vernalis
Joint POD Alternatives

| | Alternative 6 | | | | | Alternative 7 | | | | |
|----------------------------------|----------------------|------|--------------|-------|------------------------|----------------------|------|--------------|-------|------------------------|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 3538 | 2916 | 1425 | 13367 | 51% | 3097 | 2269 | 1278 | 12441 | 76% |
| November | 2121 | 1732 | 1208 | 13555 | 4% | 2002 | 1698 | 1184 | 13552 | 3% |
| December | 3114 | 3770 | 1163 | 21498 | 6% | 2779 | 3479 | 1126 | 21495 | 4% |
| January | 4611 | 5235 | 1076 | 24866 | 8% | 4203 | 4896 | 1089 | 24860 | 8% |
| February | 7096 | 7457 | 1066 | 36543 | 10% | 6502 | 6943 | 1160 | 36536 | 7% |
| March | 6312 | 7123 | 1288 | 41179 | 50% | 6128 | 7025 | 1207 | 41110 | 49% |
| April | 5449 | 4830 | 1653 | 27142 | 88% | 5853 | 4863 | 1990 | 27030 | 88% |
| May | 4957 | 5164 | 1507 | 27384 | 90% | 5430 | 4905 | 1871 | 26143 | 90% |
| June | 4021 | 5659 | 1237 | 38237 | 81% | 3937 | 5159 | 1267 | 36445 | 82% |
| July | 2032 | 1795 | 1116 | 13944 | 1% | 2038 | 1705 | 1135 | 13585 | 1% |
| August | 1355 | 446 | 643 | 1921 | 0% | 1646 | 197 | 1170 | 1921 | 0% |
| September | 1689 | 797 | 928 | 6971 | 19% | 1852 | 708 | 1178 | 6498 | 43% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 1283 | 385 | 643 | 1921 | 68% | 1456 | 235 | 1089 | 1921 | 100% |
| Annual 30-day maximum | 9554 | 8504 | 1808 | 41179 | 76% | 8812 | 8188 | 1990 | 41110 | 81% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 9 | 2 | 1 | 12 | 29% | 8 | 4 | 1 | 12 | 86% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 71% | 5 | 3 | 1 | 12 | 54% |
| | | | | | | | | | | |
| | Alternative 8 | | | | | Alternative 9 | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| IHA Group 1 | | | | | | | | | | |
| Monthly Flow Magnitude | | | | | | | | | | |
| October | 3101 | 2273 | 1270 | 12444 | 78% | 3014 | 1718 | 1379 | 9005 | 65% |
| November | 2004 | 1697 | 1182 | 13555 | 3% | 2103 | 1469 | 1202 | 11693 | 3% |
| December | 2783 | 3479 | 1124 | 21502 | 4% | 2869 | 3159 | 1148 | 19937 | 3% |
| January | 4205 | 4896 | 1088 | 24863 | 8% | 4191 | 4655 | 998 | 24134 | 7% |
| February | 6499 | 6945 | 1162 | 36538 | 7% | 6337 | 6833 | 992 | 36539 | 8% |
| March | 6117 | 6994 | 1208 | 41111 | 49% | 6169 | 7022 | 1236 | 42323 | 50% |
| April | 5863 | 4859 | 1990 | 27031 | 88% | 6108 | 4831 | 1672 | 27053 | 88% |
| May | 5431 | 4906 | 1871 | 26154 | 90% | 5723 | 5195 | 1515 | 26564 | 90% |
| June | 3931 | 5161 | 1231 | 36448 | 82% | 4066 | 5653 | 1250 | 40304 | 81% |
| July | 2038 | 1705 | 1127 | 13588 | 1% | 2008 | 1753 | 912 | 13894 | 1% |
| August | 1646 | 197 | 1157 | 1923 | 0% | 1535 | 339 | 823 | 1920 | 0% |
| September | 1851 | 709 | 1182 | 6501 | 43% | 1845 | 747 | 1083 | 6797 | 39% |
| IHA Group 2 | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 1457 | 235 | 1088 | 1923 | 100% | 1440 | 305 | 823 | 1920 | 86% |
| Annual 30-day maximum | 8813 | 8157 | 1990 | 41111 | 81% | 8756 | 8000 | 1725 | 42323 | 79% |
| IHA Group 3 | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 8 | 4 | 1 | 12 | 85% | 8 | 3 | 1 | 12 | 68% |
| Month of annual maximum | 5 | 3 | 1 | 12 | 54% | 4 | 3 | 1 | 12 | 54% |

Results of the Range of Variability Analysis
Stanislaus River at Melones Reservoir
Joint POD Alternatives

| IHA Group 1 | <u>Unimpaired Conditions (1922 - 93)</u> | | | | | | <u>Alternative 1</u> | | | | | <u>Alternative 2</u> | | | | |
|----------------------------------|--|------|--------------|-------|------------------|------|----------------------|------|--------------|------|------------------------|----------------------|------|--------------|------|------------------------|
| | Mean | SD | Range limits | | RVA Target Range | | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | Low | High | | | Low | High | | | | Low | High | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 160 | 179 | 0 | 1434 | 0 | 339 | 601 | 1292 | 63 | 5362 | 15% | 491 | 1083 | 63 | 5362 | 19% |
| November | 475 | 878 | 34 | 6162 | 34 | 1353 | 381 | 466 | 198 | 3360 | 3% | 319 | 471 | 198 | 3360 | 3% |
| December | 858 | 1309 | 49 | 6712 | 49 | 2166 | 463 | 754 | 130 | 4744 | 4% | 325 | 653 | 130 | 4744 | 3% |
| January | 1178 | 1354 | 49 | 6240 | 49 | 2533 | 651 | 949 | 130 | 4918 | 7% | 446 | 861 | 130 | 4918 | 6% |
| February | 1651 | 1507 | 18 | 9596 | 144 | 3158 | 965 | 1204 | 124 | 4986 | 22% | 622 | 937 | 124 | 4969 | 28% |
| March | 2003 | 1229 | 212 | 6696 | 775 | 3232 | 544 | 988 | 130 | 5292 | 85% | 470 | 924 | 130 | 5292 | 92% |
| April | 3222 | 1263 | 589 | 7290 | 1958 | 4485 | 750 | 433 | 471 | 1467 | 100% | 1093 | 645 | 471 | 3243 | 92% |
| May | 4558 | 2247 | 717 | 9694 | 2311 | 6805 | 449 | 328 | 255 | 2067 | 100% | 1026 | 615 | 255 | 2707 | 94% |
| June | 2914 | 2033 | 185 | 10640 | 881 | 4947 | 585 | 909 | 255 | 4595 | 90% | 758 | 659 | 255 | 4595 | 83% |
| July | 836 | 807 | 0 | 4659 | 30 | 1643 | 352 | 244 | 265 | 2231 | 1% | 591 | 237 | 265 | 2231 | 1% |
| August | 200 | 193 | 0 | 1254 | 6 | 393 | 317 | 44 | 283 | 407 | 10% | 604 | 73 | 283 | 702 | 99% |
| September | 108 | 113 | 0 | 640 | 0 | 221 | 264 | 102 | 249 | 1110 | 100% | 253 | 67 | 0 | 758 | 99% |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 69 | 67 | 0 | 488 | 2 | 135 | 115 | 60 | 63 | 289 | 19% | 119 | 81 | 0 | 631 | 15% |
| Annual 30-day maximum | 4922 | 2280 | 717 | 10640 | 2642 | 7202 | 1547 | 1543 | 471 | 5362 | 78% | 1681 | 1232 | 517 | 5362 | 83% |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 2 | 8 | 10 | 11 | 2 | 8 | 3 | 31% | 8 | 4 | 1 | 12 | 47% |
| Month of annual maximum | 4 | 1 | 12 | 6 | 3 | 5 | 3 | 2 | 10 | 6 | 44% | 5 | 2 | 1 | 10 | 50% |

| IHA Group 1 | <u>Alternative 3</u> | | | | | | <u>Alternative 4</u> | | | | | <u>Alternative 5</u> | | | | |
|----------------------------------|----------------------|------|--------------|------|------------------------|------|----------------------|--------------|------|------------------------|------|----------------------|--------------|------|------------------------|--|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment | |
| | | | Low | High | | | | Low | High | | | | Low | High | | |
| Monthly Flow Magnitude | | | | | | | | | | | | | | | | |
| October | 495 | 1082 | 63 | 5362 | 21% | 493 | 1083 | 63 | 5362 | 21% | 495 | 1082 | 63 | 5362 | 21% | |
| November | 324 | 472 | 198 | 3360 | 3% | 323 | 472 | 198 | 3360 | 3% | 324 | 472 | 198 | 3360 | 3% | |
| December | 327 | 653 | 130 | 4744 | 3% | 325 | 653 | 130 | 4744 | 3% | 327 | 653 | 130 | 4744 | 3% | |
| January | 452 | 864 | 130 | 4918 | 6% | 451 | 864 | 130 | 4918 | 6% | 453 | 865 | 130 | 4918 | 6% | |
| February | 617 | 940 | 124 | 4969 | 29% | 600 | 938 | 124 | 4969 | 31% | 619 | 941 | 124 | 4969 | 29% | |
| March | 460 | 929 | 130 | 5292 | 92% | 448 | 884 | 130 | 5292 | 92% | 460 | 929 | 130 | 5292 | 92% | |
| April | 1093 | 644 | 471 | 3243 | 92% | 1111 | 642 | 471 | 3243 | 92% | 1092 | 643 | 471 | 3243 | 92% | |
| May | 1026 | 613 | 255 | 2702 | 94% | 1043 | 613 | 255 | 2702 | 94% | 1025 | 612 | 255 | 2705 | 94% | |
| June | 758 | 662 | 255 | 4595 | 83% | 757 | 645 | 255 | 4595 | 82% | 756 | 663 | 255 | 4595 | 83% | |
| July | 590 | 237 | 265 | 2231 | 1% | 590 | 237 | 265 | 2231 | 1% | 589 | 237 | 265 | 2231 | 1% | |
| August | 603 | 72 | 283 | 702 | 99% | 605 | 73 | 283 | 703 | 99% | 604 | 74 | 283 | 710 | 99% | |
| September | 253 | 67 | 0 | 758 | 99% | 253 | 67 | 0 | 758 | 99% | 253 | 67 | 0 | 758 | 99% | |
| IHA Group 2 | | | | | | | | | | | | | | | | |
| Mean Annual Extremes | | | | | | | | | | | | | | | | |
| Annual 30-day minimum | 119 | 81 | 0 | 631 | 15% | 118 | 80 | 0 | 631 | 15% | 119 | 81 | 0 | 631 | 15% | |
| Annual 30-day maximum | 1682 | 1234 | 518 | 5362 | 83% | 1695 | 1193 | 518 | 5362 | 83% | 1682 | 1235 | 518 | 5362 | 83% | |
| IHA Group 3 | | | | | | | | | | | | | | | | |
| Timing of Annual Extremes | | | | | | | | | | | | | | | | |
| Month of annual minimum | 8 | 4 | 1 | 12 | 47% | 8 | 4 | 1 | 12 | 47% | 8 | 4 | 1 | 12 | 47% | |
| Month of annual maximum | 5 | 2 | 1 | 10 | 50% | 5 | 2 | 1 | 10 | 49% | 5 | 2 | 1 | 10 | 50% | |

Results of the Range of Variability Analysis
Stanislaus River at Melones Reservoir
Joint POD Alternatives

| IHA Group 1 Monthly Flow Magnitude | <u>Alternative 6</u> | | | | | <u>Alternative 7</u> | | | | |
|--|----------------------|------|--------------|------|------------------------|----------------------|------|--------------|------|------------------------|
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| October | 998 | 1607 | 224 | 5866 | 24% | 492 | 1083 | 63 | 5362 | 19% |
| November | 428 | 472 | 225 | 3363 | 3% | 323 | 471 | 198 | 3360 | 3% |
| December | 628 | 906 | 224 | 5731 | 4% | 328 | 654 | 130 | 4744 | 3% |
| January | 811 | 1004 | 224 | 4924 | 8% | 453 | 865 | 130 | 4918 | 6% |
| February | 1134 | 1280 | 225 | 5973 | 7% | 627 | 940 | 124 | 4969 | 28% |
| March | 616 | 955 | 224 | 5361 | 83% | 460 | 929 | 130 | 5292 | 92% |
| April | 619 | 142 | 452 | 1579 | 100% | 1092 | 643 | 471 | 3243 | 92% |
| May | 673 | 381 | 444 | 3238 | 99% | 1024 | 613 | 255 | 2704 | 94% |
| June | 849 | 1122 | 200 | 6351 | 90% | 756 | 663 | 255 | 4595 | 83% |
| July | 586 | 306 | 75 | 2590 | 1% | 589 | 237 | 265 | 2231 | 1% |
| August | 314 | 213 | 50 | 631 | 44% | 600 | 74 | 283 | 703 | 99% |
| September | 84 | 144 | 49 | 1230 | 3% | 253 | 67 | 0 | 758 | 99% |
| IHA Group 2 Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 71 | 69 | 49 | 631 | 3% | 119 | 81 | 0 | 631 | 15% |
| Annual 30-day maximum | 1994 | 1808 | 624 | 6351 | 69% | 1682 | 1235 | 518 | 5362 | 83% |
| IHA Group 3 Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 9 | 1 | 7 | 9 | 8% | 8 | 4 | 1 | 12 | 47% |
| Month of annual maximum | 6 | 3 | 1 | 12 | 82% | 5 | 2 | 1 | 10 | 50% |
| IHA Group 1 Monthly Flow Magnitude | <u>Alternative 8</u> | | | | | <u>Alternative 9</u> | | | | |
| | Mean | SD | Range limits | | Rate of Non-Attainment | Mean | SD | Range limits | | Rate of Non-Attainment |
| | | | Low | High | | | | Low | High | |
| October | 496 | 1083 | 63 | 5362 | 21% | 418 | 456 | 125 | 1501 | 29% |
| November | 324 | 472 | 198 | 3360 | 3% | 451 | 416 | 208 | 1501 | 13% |
| December | 328 | 654 | 130 | 4744 | 3% | 463 | 484 | 208 | 3187 | 1% |
| January | 453 | 865 | 130 | 4918 | 6% | 473 | 571 | 146 | 3487 | 3% |
| February | 627 | 939 | 124 | 4969 | 28% | 621 | 724 | 146 | 4825 | 1% |
| March | 449 | 882 | 130 | 5292 | 92% | 534 | 852 | 146 | 6502 | 85% |
| April | 1101 | 648 | 471 | 3241 | 92% | 1124 | 396 | 475 | 1591 | 100% |
| May | 1026 | 613 | 255 | 2709 | 94% | 1196 | 572 | 455 | 3837 | 96% |
| June | 750 | 661 | 255 | 4595 | 85% | 970 | 1073 | 241 | 8460 | 78% |
| July | 591 | 238 | 265 | 2231 | 1% | 573 | 271 | 254 | 2545 | 1% |
| August | 601 | 75 | 283 | 727 | 99% | 504 | 150 | 268 | 685 | 72% |
| September | 253 | 67 | 0 | 758 | 99% | 270 | 100 | 224 | 1067 | 100% |
| IHA Group 2 Mean Annual Extremes | | | | | | | | | | |
| Annual 30-day minimum | 119 | 81 | 0 | 631 | 15% | 218 | 83 | 125 | 635 | 82% |
| Annual 30-day maximum | 1678 | 1208 | 520 | 5362 | 83% | 1368 | 1050 | 584 | 8460 | 94% |
| IHA Group 3 Timing of Annual Extremes | | | | | | | | | | |
| Month of annual minimum | 8 | 4 | 1 | 12 | 47% | 9 | 2 | 3 | 10 | 17% |
| Month of annual maximum | 5 | 2 | 1 | 10 | 51% | 6 | 2 | 3 | 12 | 43% |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: recirc818-f, 17 Jun 97
CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
Project: /1995C6F-SWRCB-467/A/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 1067'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
If [DFMRE] <= 0, then 6, else
If [DFMRE] <= 5, then 5, else
If [DFMRE] <= 10, then 4, else
If [DFMRE] <= 15, then 3, else
If [DFMRE] <= 20, then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
If [fluctuation] >= 0, then 6, else
If [fluctuation] >= -5, then 5, else
If [fluctuation] >= -10, then 4, else
If [fluctuation] >= -15, then 3, else
If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index =

Table with columns for Year, months (OCT-SEP), and various metrics (MAR-SEP, SUM). It contains 100 rows of data representing monthly reservoir elevations and habitat indices from 1922 to 1994.

73 - year Average: 15

73 - year Average: 30

1929 - 34 Average: 201.8

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: reirc818-f, 17 Jun 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-467/E/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 900

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index =

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|---|---|---|---|---|---|---|----|------|-----|
| 1922 | 834 | 837 | 839 | 848 | 850 | 858 | 893 | 900 | 900 | 882 | 866 | 866 | 42 | 7 | 0 | 0 | 18 | 34 | 34 | 1 | 4 | 6 | 6 | 2 | 1 | 1 | 21 | 8 | 35 | 7 | 0 | -18 | -16 | 0 | 6 | 6 | 6 | 6 | 2 | 2 | 6 | 34 | 714 | |
| 1923 | 870 | 873 | 858 | 862 | 869 | 874 | 895 | 900 | 888 | 864 | 837 | 836 | 26 | 5 | 0 | 12 | 36 | 63 | 64 | 1 | 4 | 6 | 3 | 1 | 1 | 1 | 17 | 5 | 21 | 5 | -12 | -24 | -27 | -1 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 476 | |
| 1924 | 827 | 819 | 786 | 768 | 787 | 792 | 783 | 767 | 745 | 710 | 701 | 696 | 108 | 117 | 133 | 155 | 190 | 199 | 204 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -9 | -16 | -22 | -35 | -9 | -5 | 6 | 4 | 2 | 1 | 1 | 4 | 5 | 23 | 161 | |
| 1925 | 689 | 693 | 700 | 716 | 784 | 812 | 832 | 838 | 821 | 786 | 773 | 771 | 88 | 68 | 62 | 79 | 114 | 127 | 129 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 28 | 20 | 6 | -17 | -35 | -13 | -2 | 6 | 6 | 6 | 2 | 1 | 3 | 5 | 29 | 203 | |
| 1926 | 762 | 761 | 761 | 773 | 821 | 840 | 882 | 883 | 863 | 832 | 823 | 804 | 60 | 18 | 17 | 37 | 68 | 77 | 96 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 9 | 19 | 42 | 1 | -20 | -31 | -9 | -19 | 6 | 6 | 6 | 2 | 1 | 4 | 2 | 27 | 243 | |
| 1927 | 785 | 815 | 813 | 834 | 849 | 863 | 890 | 900 | 890 | 865 | 843 | 840 | 37 | 10 | 0 | 10 | 35 | 57 | 60 | 1 | 3 | 6 | 3 | 1 | 1 | 1 | 16 | 14 | 27 | 10 | -10 | -25 | -22 | -3 | 6 | 6 | 6 | 4 | 1 | 1 | 5 | 29 | 464 | |
| 1928 | 838 | 848 | 849 | 861 | 871 | 849 | 878 | 884 | 866 | 839 | 805 | 795 | 51 | 22 | 16 | 34 | 61 | 95 | 105 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | -22 | 29 | 6 | -18 | -27 | -34 | -10 | 1 | 6 | 6 | 2 | 1 | 1 | 4 | 21 | 168 | |
| 1929 | 775 | 770 | 769 | 773 | 785 | 799 | 805 | 802 | 788 | 756 | 738 | 731 | 101 | 95 | 98 | 112 | 144 | 162 | 169 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 6 | -3 | -14 | -32 | -18 | -7 | 6 | 6 | 5 | 3 | 1 | 2 | 4 | 27 | 189 | |
| 1930 | 715 | 704 | 763 | 790 | 816 | 847 | 868 | 872 | 857 | 829 | 808 | 804 | 53 | 32 | 28 | 43 | 71 | 92 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 31 | 21 | 4 | -15 | -28 | -21 | -4 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 196 | |
| 1931 | 789 | 779 | 768 | 779 | 790 | 809 | 792 | 790 | 761 | 717 | 702 | 687 | 91 | 106 | 120 | 139 | 183 | 196 | 213 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 19 | -17 | -12 | -19 | -44 | -15 | -15 | 6 | 2 | 3 | 2 | 1 | 3 | 3 | 20 | 140 | |
| 1932 | 689 | 657 | 665 | 690 | 712 | 753 | 767 | 799 | 796 | 769 | 758 | 752 | 147 | 133 | 101 | 104 | 131 | 142 | 148 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 41 | 14 | 32 | -3 | -27 | -11 | -6 | 6 | 6 | 6 | 5 | 1 | 3 | 4 | 31 | 217 | |
| 1933 | 740 | 735 | 731 | 741 | 749 | 752 | 763 | 775 | 765 | 738 | 725 | 716 | 148 | 137 | 125 | 135 | 162 | 175 | 184 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 11 | 12 | -10 | -27 | -13 | -9 | 6 | 6 | 6 | 4 | 1 | 3 | 4 | 30 | 210 | |
| 1934 | 700 | 695 | 698 | 725 | 748 | 776 | 782 | 770 | 749 | 715 | 702 | 684 | 124 | 118 | 130 | 151 | 185 | 198 | 216 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 28 | 6 | -12 | -21 | -34 | -13 | -18 | 6 | 6 | 3 | 1 | 1 | 3 | 2 | 22 | 154 | |
| 1935 | 661 | 668 | 674 | 702 | 726 | 758 | 848 | 878 | 877 | 852 | 843 | 829 | 142 | 52 | 22 | 23 | 48 | 57 | 71 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 32 | 90 | 30 | -1 | -25 | -9 | -14 | 6 | 6 | 6 | 5 | 1 | 4 | 3 | 31 | 217 | |
| 1936 | 822 | 814 | 795 | 837 | 849 | 860 | 886 | 897 | 894 | 868 | 840 | 836 | 40 | 14 | 3 | 6 | 32 | 60 | 64 | 1 | 3 | 5 | 4 | 1 | 1 | 1 | 16 | 11 | 26 | 11 | -3 | -26 | -28 | -4 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 30 | 480 | |
| 1937 | 830 | 822 | 805 | 808 | 823 | 847 | 872 | 894 | 888 | 862 | 844 | 840 | 53 | 28 | 6 | 12 | 38 | 56 | 60 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 12 | 24 | 25 | 22 | 6 | -26 | -18 | -4 | 6 | 6 | 6 | 4 | 1 | 2 | 5 | 30 | 360 | |
| 1938 | 837 | 848 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 893 | 891 | 887 | 51 | 18 | 0 | 7 | 9 | 13 | 1 | 1 | 2 | 6 | 6 | 4 | 4 | 3 | 26 | 0 | 33 | 18 | 0 | -7 | -2 | -4 | 6 | 6 | 6 | 6 | 4 | 5 | 5 | 38 | 988 | |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 823 | 821 | 799 | 756 | 706 | 704 | 67 | 77 | 79 | 101 | 144 | 194 | 196 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | -10 | -2 | -22 | -43 | -50 | -2 | 5 | 4 | 5 | 1 | 1 | 1 | 5 | 22 | 154 | |
| 1940 | 687 | 678 | 677 | 738 | 834 | 849 | 879 | 890 | 873 | 847 | 820 | 817 | 51 | 21 | 10 | 27 | 53 | 80 | 83 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 | 15 | 30 | 11 | -17 | -26 | -27 | -3 | 6 | 6 | 6 | 2 | 1 | 1 | 5 | 27 | 243 | |
| 1941 | 810 | 811 | 849 | 849 | 849 | 858 | 886 | 900 | 900 | 886 | 882 | 883 | 42 | 14 | 0 | 0 | 14 | 18 | 17 | 1 | 3 | 6 | 6 | 3 | 2 | 2 | 23 | 9 | 28 | 14 | 0 | -14 | -4 | 1 | 6 | 6 | 6 | 6 | 3 | 5 | 6 | 38 | 874 | |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 883 | 870 | 870 | 33 | 18 | 0 | 0 | 17 | 30 | 30 | 1 | 2 | 6 | 6 | 2 | 1 | 1 | 19 | 17 | 15 | 18 | 0 | -17 | -13 | 0 | 6 | 6 | 6 | 6 | 2 | 3 | 6 | 35 | 665 | |
| 1943 | 872 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 885 | 861 | 841 | 840 | 41 | 13 | 3 | 15 | 39 | 59 | 60 | 1 | 3 | 5 | 2 | 1 | 1 | 1 | 14 | 3 | 28 | 10 | -12 | -24 | -20 | -1 | 6 | 6 | 6 | 3 | 1 | 2 | 5 | 29 | 406 | |
| 1944 | 841 | 844 | 843 | 849 | 857 | 868 | 879 | 870 | 865 | 835 | 802 | 797 | 32 | 21 | 30 | 35 | 65 | 74 | 103 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 11 | -9 | -5 | -30 | -33 | -5 | 6 | 6 | 4 | 5 | 1 | 1 | 5 | 28 | 196 | |
| 1945 | 786 | 793 | 809 | 823 | 862 | 865 | 880 | 889 | 878 | 853 | 826 | 823 | 35 | 20 | 11 | 22 | 47 | 98 | 107 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 | 3 | 15 | 9 | -11 | -25 | -27 | -3 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 252 | |
| 1946 | 823 | 828 | 849 | 864 | 868 | 868 | 887 | 887 | 869 | 844 | 816 | 808 | 32 | 13 | 13 | 31 | 56 | 84 | 92 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 11 | 0 | 19 | 0 | -18 | -25 | -28 | -8 | 6 | 6 | 6 | 2 | 1 | 1 | 4 | 26 | 286 | |
| 1947 | 791 | 797 | 805 | 811 | 833 | 855 | 864 | 843 | 833 | 794 | 752 | 727 | 45 | 36 | 57 | 69 | 106 | 148 | 173 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 22 | 9 | -21 | -12 | -37 | -42 | -25 | 6 | 6 | 1 | 3 | 1 | 1 | 1 | 19 | 133 | |
| 1948 | 723 | 724 | 715 | 752 | 762 | 782 | 842 | 871 | 877 | 854 | 827 | 811 | 118 | 58 | 29 | 23 | 46 | 73 | 89 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 20 | 60 | 29 | 6 | -23 | -27 | -16 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 2 | 28 | 196 |
| 1949 | 789 | 784 | 784 | 783 | 791 | 820 | 839 | 844 | 832 | 803 | 766 | 760 | 80 | 61 | 56 | 68 | 97 | 134 | 140 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 29 | 19 | 5 | -12 | -29 | -37 | -6 | 6 | 6 | 6 | 3 | 1 | 1 | 4 | 27 | 189 | |
| 1950 | 738 | 732 | 727 | 754 | 797 | 830 | 863 | 878 | 875 | 852 | 832 | 831 | 70 | 37 | 22 | 25 | 48 | 68 | 69 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 33 | 33 | 15 | -3 | -23 | -20 | -1 | 6 | 6 | 6 | 5 | 1 | 2 | 5 | 31 | 217 | |
| 1951 | 835 | 849 | 854 | 853 | 858 | 870 | 884 | 898 | 895 | 871 | 845 | 843 | 30 | 16 | 2 | 5 | 29 | 55 | 57 | 1 | 2 | 5 | 4 | 1 | 1 | 1 | 15 | 12 | 14 | 14 | -3 | -24 | -26 | -2 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 30 | 400 | |
| 1952 | 843 | 846 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 900 | 899 | 887 | 38 | 6 | 0 | 0 | 0 | 1 | 13 | 1 | 4 | 6 | 6 | 6 | 5 | 3 | 31 | 10 | 32 | 6 | 0 | 0 | 0 | -1 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 38 | 1178 | |
| 1953 | 874 | 874 | 858 | 850 | 867 | 883 | 883 | 900 | 900 | 883 | 869 | 870 | 33 | 17 | 0 | 0 | 17 | 31 | 30 | 1 | 2 | 6 | 6 | 2 | 1 | 1 | 19 | 0 | 16 | 17 | 0 | -17 | -14 | -1 | 6 | 6 | 6 | 6 | 2 | 3 | 6 | 35 | 665 | |
| 1954 | 873 | 871 | 874 | 858 | 857 | 859 | 883 | 892 | 875 | 848 | 824 | 812 | 41 | 17 | 8 | 25 | 52 | 76 | 88 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 11 | 2 | 24 | 9 | -17 | -27 | -24 | -12 | 6 | 6 | 6 | 2 | 1 | 1 | 3 | 25 | 275 | |
| 1955 | 908 | 909 | 896 | 892 | 892 | 841 | 847 | 845 | 836 | 801 | 759 | 756 | 59 | 53 | 55 | 64 | 99 | 141 | 144 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 6 | -2 | -9 | -35 | -42 | -3 | 6 | 6 | 5 | 4 | 1 | 1 | 5 | 28 | 186 | |
| 1956 | 737 | 733 | 849 | 849 | 849 | 864 | 892 | 900 | 900 | 884 | 875 | 879 | 36 | 8 | 0 | 0 | 16 | 25 | 21 | 1 | 4 | 6 | 6 | 2 | 1 | 1 | 21 | 15 | 28 | 8 | 0 | -36 | -9 | -4 | 6 | 6 | 6 | 6 | 2 | 4 | 6 | 36 | 756 | |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 873 | 891 | 883 | 864 | 842 | 842 | 37 | 27 | 9 | 17 | 36 | 58 | 58 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 11 | 10 | 10 | 18 | -9 | -19 | -22 | 0 | 6 | 6 | 6 | 4 | 2 | 1 | 6 | 31 | 341 | |
| 1958 | 843 | 846 | 860 | 854 | 849 | 849 | 879 | 900 | 900 | 896 | 892 | 887 | 51 | 21 | 0 | 0 | 4 | 8 | 13 | 1 | 1 | 6 | 6 | 5 | 4 | 3 | 26 | | | | | | | | | | | | | | | | | |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: recirc818-f, 17 Jun 97
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-467/8/ELEVATION-EOP/1MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

73 - year maximum March - September Reservoir Elevation = 466'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 462 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 424 | 428 | 449 | 466 | 458 | 435 | 422 | 422 |
| 1924 | 407 | 398 | 376 | 358 | 354 | 334 | 335 | 350 | 335 | 333 | 336 | 343 |
| 1925 | 355 | 369 | 384 | 393 | 424 | 437 | 449 | 461 | 442 | 413 | 394 | 390 |
| 1926 | 392 | 393 | 392 | 393 | 417 | 424 | 449 | 449 | 432 | 406 | 386 | 394 |
| 1927 | 393 | 414 | 424 | 424 | 424 | 437 | 449 | 466 | 465 | 451 | 446 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 457 | 447 | 422 | 408 | 411 |
| 1929 | 404 | 398 | 394 | 383 | 381 | 388 | 400 | 409 | 409 | 369 | 343 | 360 |
| 1930 | 363 | 372 | 404 | 421 | 424 | 437 | 443 | 442 | 432 | 411 | 396 | 401 |
| 1931 | 383 | 390 | 382 | 370 | 378 | 386 | 334 | 359 | 349 | 334 | 339 | 341 |
| 1932 | 351 | 362 | 394 | 412 | 424 | 436 | 445 | 461 | 459 | 433 | 398 | 406 |
| 1933 | 398 | 393 | 388 | 378 | 367 | 376 | 368 | 390 | 389 | 334 | 334 | 354 |
| 1934 | 334 | 354 | 385 | 409 | 424 | 437 | 439 | 434 | 411 | 335 | 325 | 336 |
| 1935 | 334 | 361 | 378 | 402 | 411 | 414 | 449 | 466 | 461 | 438 | 420 | 418 |
| 1936 | 414 | 408 | 403 | 424 | 424 | 437 | 449 | 461 | 461 | 441 | 429 | 429 |
| 1937 | 421 | 413 | 406 | 399 | 423 | 437 | 449 | 466 | 455 | 442 | 436 | 434 |
| 1938 | 426 | 423 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 417 | 417 | 410 | 385 | 334 | 351 |
| 1940 | 334 | 352 | 334 | 420 | 424 | 437 | 449 | 464 | 453 | 436 | 428 | 427 |
| 1941 | 422 | 418 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 449 | 444 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 458 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 455 | 440 | 436 | 433 |
| 1944 | 425 | 418 | 412 | 405 | 406 | 418 | 419 | 433 | 426 | 412 | 396 | 404 |
| 1945 | 399 | 407 | 414 | 416 | 424 | 437 | 449 | 465 | 456 | 442 | 437 | 434 |
| 1946 | 427 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 451 | 433 | 424 | 427 |
| 1947 | 421 | 422 | 421 | 414 | 420 | 437 | 445 | 442 | 431 | 408 | 384 | 393 |
| 1948 | 387 | 389 | 368 | 386 | 389 | 390 | 429 | 454 | 456 | 445 | 439 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 444 | 461 | 451 | 435 | 423 | 426 |
| 1950 | 416 | 410 | 402 | 424 | 424 | 437 | 449 | 466 | 459 | 445 | 440 | 434 |
| 1951 | 421 | 393 | 388 | 388 | 388 | 426 | 448 | 466 | 456 | 439 | 431 | 431 |
| 1952 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 457 | 463 | 457 | 449 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 455 | 440 | 418 | 411 | 415 |
| 1955 | 409 | 406 | 414 | 422 | 422 | 418 | 418 | 436 | 430 | 415 | 401 | 408 |
| 1956 | 389 | 386 | 420 | 402 | 406 | 425 | 441 | 466 | 468 | 461 | 449 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 441 | 468 | 458 | 444 | 439 | 434 |
| 1958 | 426 | 421 | 422 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 428 | 436 | 436 | 424 | 406 | 389 | 398 |
| 1960 | 389 | 382 | 374 | 375 | 414 | 437 | 449 | 448 | 438 | 417 | 406 | 408 |
| 1961 | 401 | 399 | 398 | 389 | 390 | 395 | 405 | 417 | 410 | 395 | 387 | 393 |
| 1962 | 391 | 388 | 390 | 389 | 424 | 434 | 449 | 457 | 449 | 428 | 419 | 421 |
| 1963 | 441 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 461 | 445 | 440 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 421 | 419 | 430 | 436 | 430 | 409 | 382 | 390 |
| 1965 | 370 | 380 | 393 | 392 | 395 | 414 | 449 | 465 | 460 | 447 | 444 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 448 | 450 | 436 | 415 | 403 | 405 |
| 1967 | 396 | 399 | 422 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 444 | 445 | 433 | 414 | 407 | 409 |
| 1969 | 404 | 407 | 416 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 431 | 441 | 434 | 418 | 411 | 414 |
| 1971 | 408 | 421 | 424 | 424 | 424 | 437 | 449 | 463 | 463 | 457 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 443 | 450 | 440 | 423 | 411 | 414 |
| 1973 | 409 | 414 | 424 | 424 | 424 | 437 | 449 | 466 | 449 | 425 | 420 | 425 |
| 1974 | 422 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 396 | 401 | 405 | 396 | 370 | 352 | 357 |
| 1977 | 357 | 360 | 353 | 340 | 337 | 338 | 334 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 286 | 304 | 358 | 424 | 424 | 437 | 449 | 466 | 461 | 451 | 441 | 434 |
| 1979 | 423 | 417 | 411 | 418 | 424 | 437 | 447 | 466 | 455 | 443 | 434 | 433 |
| 1980 | 426 | 423 | 424 | 405 | 399 | 430 | 449 | 464 | 456 | 455 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 418 | 399 | 387 | 394 |
| 1982 | 400 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 443 | 463 | 456 | 441 | 433 | 433 |
| 1985 | 427 | 424 | 424 | 420 | 422 | 428 | 443 | 447 | 432 | 407 | 378 | 388 |
| 1986 | 357 | 375 | 398 | 424 | 396 | 424 | 449 | 464 | 458 | 453 | 449 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 419 | 420 | 407 | 382 | 334 | 340 |
| 1988 | 334 | 334 | 369 | 396 | 403 | 406 | 407 | 404 | 384 | 356 | 334 | 390 |
| 1989 | 385 | 389 | 394 | 397 | 403 | 437 | 449 | 457 | 447 | 431 | 424 | 427 |
| 1990 | 421 | 416 | 409 | 405 | 399 | 408 | 421 | 416 | 407 | 379 | 334 | 354 |
| 1991 | 334 | 340 | 334 | 332 | 332 | 383 | 407 | 425 | 426 | 420 | 411 | 409 |
| 1992 | 403 | 396 | 388 | 374 | 393 | 407 | 417 | 416 | 403 | 364 | 334 | 328 |
| 1993 | 327 | 326 | 363 | 424 | 427 | 434 | 449 | 466 | 466 | 454 | 449 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 390 | 398 | 403 | 399 | 372 | 335 | 332 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index =

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 4 | 1 | 1 | 1 | 1 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 2 | 4 | 1 | 1 | 1 | 1 | 11 |
| 2 | 2 | 2 | 1 | 1 | 1 | 1 | 9 |
| 2 | 6 | 5 | 2 | 1 | 1 | 1 | 18 |
| 1 | 2 | 4 | 2 | 1 | 1 | 1 | 12 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 4 | 4 | 1 | 1 | 1 | 1 | 13 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 4 | 1 | 1 | 1 | 1 | 16 |
| 1 | 2 | 4 | 4 | 1 | 1 | 1 | 14 |
| 2 | 6 | 3 | 1 | 1 | 1 | 1 | 15 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 5 | 3 | 1 | 1 | 1 | 1 | 14 |
| 2 | 6 | 4 | 2 | 1 | 1 | 1 | 17 |
| 2 | 6 | 6 | 4 | 2 | 1 | 1 | 22 |
| 1 | 2 | 4 | 3 | 1 | 1 | 1 | 13 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 5 | 3 | 1 | 1 | 1 | 1 | 14 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 2 | 1 | 1 | 1 | 1 | 11 |
| 1 | 4 | 2 | 1 | 1 | 1 | 1 | 11 |
| 2 | 6 | 4 | 1 | 1 | 1 | 1 | 16 |
| 2 | 6 | 3 | 1 | 1 | 1 | 1 | 15 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 4 | 5 | 4 | 2 | 1 | 1 | 18 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 6 | 4 | 2 | 1 | 1 | 1 | 15 |
| 1 | 6 | 4 | 1 | 1 | 1 | 1 | 15 |
| 1 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 4 | 2 | 1 | 1 | 1 | 1 | 12 |
| 2 | 6 | 4 | 1 | 1 | 1 | 1 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 5 | 4 | 2 | 1 | 1 | 1 | 16 |
| 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 5 | 2 | 1 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 5 | 3 | 1 | 1 | 1 | 1 | 15 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 5 | 3 | 1 | 1 | 1 | 1 | 13 |
| 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 |
| 2 | 5 | 4 | 3 | 2 | 1 | 1 | 18 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 6 | 3 | 2 | 1 | 1 | 21 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |

73 - year Average: 13

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | | |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: 8.18, 27 Nov 96
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION
 Project: 1995C6F-SWRCB-467/10/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 943 | 949 | 954 | 968 | 978 | 977 | 1005 | 1026 | 1019 | 1009 | 1001 |
| 1923 | 1000 | 1003 | 1011 | 1019 | 1025 | 1029 | 1032 | 1047 | 1047 | 1039 | 1028 | 1021 |
| 1924 | 1020 | 1022 | 1025 | 1027 | 1030 | 1030 | 1024 | 1017 | 1008 | 1000 | 992 | 987 |
| 1925 | 985 | 987 | 989 | 991 | 1005 | 1014 | 1015 | 1028 | 1029 | 1022 | 1010 | 1003 |
| 1926 | 1002 | 1003 | 1004 | 1006 | 1013 | 1018 | 1020 | 1016 | 1007 | 995 | 983 | 974 |
| 1927 | 975 | 978 | 986 | 993 | 1007 | 1015 | 1022 | 1035 | 1040 | 1031 | 1020 | 1013 |
| 1928 | 1013 | 1018 | 1022 | 1025 | 1031 | 1049 | 1049 | 1056 | 1049 | 1036 | 1024 | 1018 |
| 1929 | 1015 | 1017 | 1018 | 1019 | 1021 | 1022 | 1018 | 1015 | 1008 | 998 | 988 | 980 |
| 1930 | 980 | 981 | 981 | 984 | 989 | 996 | 996 | 992 | 990 | 978 | 965 | 957 |
| 1931 | 957 | 959 | 959 | 960 | 961 | 963 | 958 | 950 | 940 | 931 | 921 | 912 |
| 1932 | 909 | 911 | 921 | 927 | 942 | 948 | 948 | 971 | 986 | 980 | 970 | 962 |
| 1933 | 962 | 964 | 967 | 969 | 972 | 974 | 969 | 967 | 966 | 955 | 943 | 935 |
| 1934 | 935 | 937 | 939 | 943 | 948 | 955 | 949 | 941 | 930 | 920 | 903 | 892 |
| 1935 | 889 | 890 | 893 | 901 | 908 | 918 | 930 | 957 | 969 | 960 | 950 | 941 |
| 1936 | 941 | 944 | 947 | 958 | 981 | 992 | 1001 | 1019 | 1024 | 1016 | 1007 | 1001 |
| 1937 | 1001 | 1002 | 1005 | 1009 | 1019 | 1029 | 1029 | 1047 | 1048 | 1037 | 1026 | 1019 |
| 1938 | 1018 | 1020 | 1030 | 1040 | 1050 | 1055 | 1063 | 1088 | 1088 | 1084 | 1076 | 1070 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1042 | 1032 | 1021 | 1010 | 1002 |
| 1940 | 1002 | 1002 | 1004 | 1016 | 1030 | 1047 | 1051 | 1064 | 1063 | 1054 | 1044 | 1036 |
| 1941 | 1035 | 1037 | 1041 | 1048 | 1050 | 1055 | 1052 | 1066 | 1072 | 1066 | 1057 | 1050 |
| 1942 | 1049 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1068 | 1082 | 1078 | 1069 | 1064 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1071 | 1064 | 1055 | 1048 |
| 1944 | 1046 | 1048 | 1049 | 1050 | 1050 | 1053 | 1048 | 1048 | 1043 | 1032 | 1020 | 1012 |
| 1945 | 1012 | 1017 | 1021 | 1026 | 1040 | 1048 | 1044 | 1054 | 1060 | 1053 | 1043 | 1036 |
| 1946 | 1035 | 1039 | 1048 | 1050 | 1050 | 1054 | 1055 | 1064 | 1062 | 1053 | 1043 | 1036 |
| 1947 | 1035 | 1037 | 1040 | 1042 | 1046 | 1050 | 1046 | 1041 | 1030 | 1018 | 1007 | 1000 |
| 1948 | 1000 | 1000 | 1001 | 1001 | 1001 | 1004 | 1004 | 1010 | 1019 | 1011 | 1003 | 997 |
| 1949 | 997 | 998 | 1000 | 1001 | 1003 | 1008 | 1006 | 1012 | 1008 | 999 | 989 | 981 |
| 1950 | 980 | 980 | 982 | 989 | 998 | 1004 | 1007 | 1021 | 1026 | 1018 | 1009 | 1003 |
| 1951 | 1002 | 1031 | 1050 | 1050 | 1050 | 1055 | 1058 | 1064 | 1059 | 1050 | 1039 | 1032 |
| 1952 | 1031 | 1034 | 1041 | 1050 | 1050 | 1055 | 1058 | 1087 | 1088 | 1086 | 1078 | 1072 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1053 | 1052 | 1057 | 1051 | 1041 | 1034 |
| 1954 | 1033 | 1035 | 1038 | 1040 | 1044 | 1051 | 1054 | 1063 | 1056 | 1046 | 1035 | 1027 |
| 1955 | 1027 | 1031 | 1036 | 1040 | 1044 | 1042 | 1038 | 1034 | 1029 | 1018 | 1007 | 999 |
| 1956 | 998 | 1000 | 1026 | 1050 | 1050 | 1055 | 1055 | 1069 | 1079 | 1074 | 1065 | 1060 |
| 1957 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1052 | 1056 | 1059 | 1049 | 1039 | 1031 |
| 1958 | 1028 | 1030 | 1032 | 1039 | 1047 | 1055 | 1062 | 1088 | 1088 | 1083 | 1074 | 1067 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1049 | 1040 | 1030 | 1019 | 1008 | 1001 |
| 1960 | 1000 | 1000 | 1001 | 1002 | 1008 | 1013 | 1011 | 1007 | 1000 | 990 | 979 | 969 |
| 1961 | 964 | 967 | 969 | 970 | 971 | 973 | 969 | 964 | 954 | 944 | 935 | 928 |
| 1962 | 927 | 928 | 929 | 929 | 940 | 946 | 949 | 957 | 963 | 955 | 944 | 935 |
| 1963 | 935 | 938 | 941 | 949 | 968 | 975 | 975 | 1002 | 1010 | 1004 | 995 | 988 |
| 1964 | 988 | 993 | 996 | 1001 | 1004 | 1008 | 1004 | 1001 | 996 | 985 | 974 | 964 |
| 1965 | 964 | 967 | 997 | 1018 | 1030 | 1037 | 1040 | 1051 | 1058 | 1053 | 1044 | 1037 |
| 1966 | 1035 | 1039 | 1043 | 1048 | 1050 | 1053 | 1051 | 1053 | 1042 | 1030 | 1019 | 1010 |
| 1967 | 1010 | 1012 | 1021 | 1033 | 1041 | 1052 | 1053 | 1073 | 1088 | 1088 | 1080 | 1074 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1050 | 1047 | 1037 | 1026 | 1014 | 1006 |
| 1969 | 1006 | 1009 | 1012 | 1041 | 1050 | 1055 | 1066 | 1088 | 1088 | 1084 | 1075 | 1068 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1054 | 1060 | 1061 | 1051 | 1040 | 1033 |
| 1971 | 1032 | 1036 | 1044 | 1050 | 1050 | 1055 | 1052 | 1056 | 1060 | 1053 | 1043 | 1035 |
| 1972 | 1034 | 1037 | 1043 | 1048 | 1050 | 1055 | 1050 | 1053 | 1044 | 1032 | 1020 | 1013 |
| 1973 | 1013 | 1015 | 1019 | 1031 | 1046 | 1055 | 1051 | 1063 | 1063 | 1054 | 1043 | 1036 |
| 1974 | 1035 | 1041 | 1049 | 1050 | 1050 | 1055 | 1059 | 1073 | 1077 | 1069 | 1060 | 1053 |
| 1975 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1050 | 1056 | 1068 | 1061 | 1052 | 1045 |
| 1976 | 1044 | 1047 | 1050 | 1050 | 1050 | 1051 | 1046 | 1040 | 1029 | 1020 | 1011 | 1004 |
| 1977 | 1004 | 1005 | 1007 | 1006 | 1005 | 1003 | 998 | 992 | 984 | 973 | 963 | 957 |
| 1978 | 954 | 953 | 957 | 967 | 980 | 997 | 1004 | 1019 | 1027 | 1021 | 1011 | 1006 |
| 1979 | 1006 | 1008 | 1012 | 1020 | 1033 | 1046 | 1047 | 1062 | 1059 | 1048 | 1037 | 1030 |
| 1980 | 1030 | 1033 | 1036 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1059 | 1053 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1050 | 1044 | 1032 | 1019 | 1008 | 1002 |
| 1982 | 1002 | 1009 | 1024 | 1044 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1076 | 1072 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1089 | 1083 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1053 | 1059 | 1058 | 1051 | 1042 | 1036 |
| 1985 | 1036 | 1041 | 1046 | 1049 | 1050 | 1054 | 1052 | 1050 | 1039 | 1027 | 1016 | 1010 |
| 1986 | 1011 | 1013 | 1017 | 1026 | 1050 | 1055 | 1056 | 1061 | 1065 | 1057 | 1048 | 1043 |
| 1987 | 1043 | 1045 | 1047 | 1048 | 1049 | 1052 | 1047 | 1038 | 1028 | 1020 | 1013 | 1008 |
| 1988 | 1006 | 1005 | 1004 | 1004 | 1005 | 1006 | 1001 | 995 | 987 | 980 | 973 | 966 |
| 1989 | 964 | 962 | 961 | 961 | 961 | 973 | 971 | 968 | 961 | 951 | 942 | 936 |
| 1990 | 938 | 940 | 942 | 943 | 945 | 949 | 942 | 932 | 922 | 907 | 894 | 885 |
| 1991 | 882 | 881 | 884 | 881 | 879 | 887 | 882 | 879 | 866 | 851 | 836 | 829 |
| 1992 | 829 | 830 | 833 | 834 | 845 | 854 | 846 | 831 | 816 | 798 | 774 | 759 |
| 1993 | 764 | 772 | 783 | 812 | 909 | 960 | 969 | 985 | 994 | 986 | 977 | 972 |
| 1994 | 971 | 972 | 975 | 975 | 976 | 982 | 978 | 976 | 968 | 959 | 950 | 945 |

(FT)

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 111 | 83 | 62 | 69 | 79 |
| 63 | 59 | 56 | 41 | 41 | 49 | 60 |
| 58 | 58 | 64 | 71 | 80 | 88 | 96 |
| 83 | 74 | 73 | 62 | 59 | 66 | 78 |
| 75 | 70 | 68 | 70 | 81 | 93 | 105 |
| 81 | 73 | 66 | 53 | 48 | 57 | 68 |
| 57 | 39 | 39 | 32 | 39 | 52 | 64 |
| 67 | 66 | 70 | 73 | 80 | 90 | 100 |
| 99 | 92 | 92 | 96 | 98 | 110 | 123 |
| 127 | 125 | 130 | 136 | 148 | 157 | 167 |
| 146 | 140 | 140 | 117 | 102 | 108 | 118 |
| 116 | 114 | 119 | 121 | 122 | 133 | 145 |
| 140 | 133 | 139 | 147 | 158 | 168 | 185 |
| 180 | 170 | 158 | 131 | 119 | 128 | 138 |
| 107 | 96 | 87 | 69 | 64 | 72 | 81 |
| 69 | 59 | 59 | 41 | 40 | 51 | 62 |
| 38 | 33 | 25 | 0 | 0 | 4 | 12 |
| 38 | 36 | 38 | 46 | 56 | 67 | 78 |
| 58 | 41 | 37 | 24 | 25 | 34 | 44 |
| 38 | 33 | 36 | 22 | 16 | 22 | 31 |
| 38 | 33 | 33 | 20 | 6 | 10 | 19 |
| 38 | 33 | 27 | 20 | 17 | 24 | 33 |
| 38 | 35 | 40 | 40 | 45 | 56 | 68 |
| 48 | 40 | 44 | 34 | 28 | 35 | 45 |
| 48 | 34 | 33 | 24 | 26 | 35 | 45 |
| 42 | 38 | 42 | 47 | 58 | 70 | 81 |
| 87 | 84 | 84 | 78 | 69 | 77 | 85 |
| 85 | 80 | 82 | 76 | 80 | 89 | 99 |
| 90 | 84 | 81 | 67 | 62 | 70 | 79 |
| 38 | 33 | 30 | 24 | 29 | 38 | 49 |
| 38 | 33 | 30 | 1 | 0 | 2 | 10 |
| 38 | 34 | 35 | 36 | 31 | 37 | 47 |
| 44 | 37 | 34 | 25 | 32 | 42 | 53 |
| 48 | 46 | 50 | 54 | 59 | 70 | 81 |
| 38 | 33 | 33 | 19 | 9 | 14 | 23 |
| 38 | 33 | 36 | 32 | 29 | 39 | 49 |
| 41 | 33 | 26 | 0 | 0 | 5 | 14 |
| 38 | 35 | 39 | 48 | 58 | 69 | 80 |
| 80 | 75 | 77 | 81 | 88 | 98 | 109 |
| 117 | 115 | 119 | 124 | 134 | 144 | 153 |
| 148 | 142 | 139 | 131 | 125 | 133 | 143 |
| 120 | 113 | 113 | 86 | 78 | 84 | 93 |
| 84 | 80 | 84 | 87 | 92 | 103 | 114 |
| 58 | 51 | 48 | 37 | 30 | 35 | 44 |
| 38 | 35 | 37 | 35 | 46 | 58 | 69 |
| 47 | 36 | 35 | 15 | 0 | 0 | 8 |
| 38 | 34 | 38 | 41 | 51 | 62 | 74 |
| 38 | 33 | 22 | 0 | 0 | 4 | 13 |
| 38 | 33 | 34 | 28 | 27 | 37 | 48 |
| 38 | 33 | 36 | 32 | 28 | 35 | 45 |
| 38 | 33 | 38 | 35 | 44 | 56 | 68 |
| 42 | 33 | 37 | 25 | 25 | 34 | 45 |
| 38 | 33 | 29 | 15 | 11 | 19 | 28 |
| 38 | 33 | 38 | 32 | 20 | 27 | 36 |
| 38 | 37 | 42 | 48 | 59 | 68 | 77 |
| 83 | 85 | 90 | 96 | 104 | 115 | 125 |
| 108 | 91 | 84 | 69 | 61 | 67 | 77 |
| 55 | 42 | 41 | | | | |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: 8.18, 27 Nov 96
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: 1995C6F-SWRCB-467/81/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 599 | 582 | 579 | 601 | 656 | 690 | 699 | 724 | 782 | 779 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 761 | 776 | 784 | 789 | 792 | 801 | 795 | 780 | 770 |
| 1924 | 764 | 762 | 757 | 755 | 756 | 754 | 749 | 744 | 735 | 723 | 709 | 701 |
| 1925 | 698 | 698 | 699 | 703 | 725 | 741 | 754 | 767 | 785 | 776 | 760 | 749 |
| 1926 | 743 | 741 | 736 | 735 | 744 | 749 | 763 | 776 | 774 | 759 | 744 | 735 |
| 1927 | 730 | 729 | 733 | 740 | 768 | 783 | 794 | 795 | 814 | 806 | 792 | 782 |
| 1928 | 776 | 776 | 776 | 779 | 787 | 800 | 802 | 819 | 819 | 805 | 790 | 780 |
| 1929 | 774 | 769 | 765 | 764 | 768 | 769 | 769 | 773 | 780 | 771 | 762 | 754 |
| 1930 | 752 | 749 | 746 | 746 | 752 | 759 | 761 | 764 | 777 | 769 | 760 | 753 |
| 1931 | 751 | 750 | 749 | 751 | 754 | 753 | 746 | 737 | 726 | 712 | 699 | 692 |
| 1932 | 689 | 685 | 685 | 710 | 745 | 760 | 761 | 768 | 786 | 781 | 766 | 756 |
| 1933 | 749 | 742 | 737 | 736 | 742 | 745 | 743 | 740 | 757 | 746 | 732 | 722 |
| 1934 | 715 | 713 | 711 | 714 | 725 | 732 | 731 | 727 | 724 | 708 | 693 | 685 |
| 1935 | 681 | 680 | 681 | 693 | 713 | 728 | 749 | 759 | 786 | 774 | 759 | 747 |
| 1936 | 740 | 738 | 733 | 738 | 776 | 792 | 801 | 819 | 832 | 823 | 808 | 798 |
| 1937 | 792 | 786 | 782 | 785 | 800 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 774 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 739 | 740 | 740 | 736 | 745 | 770 | 760 | 742 | 732 |
| 1949 | 726 | 720 | 714 | 713 | 720 | 731 | 738 | 748 | 756 | 738 | 719 | 706 |
| 1950 | 700 | 693 | 687 | 693 | 712 | 725 | 733 | 746 | 762 | 747 | 729 | 717 |
| 1951 | 711 | 759 | 800 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 770 | 769 | 774 | 781 | 784 | 781 | 785 | 791 | 779 | 767 | 760 |
| 1956 | 755 | 751 | 800 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 784 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 761 | 758 | 755 | 763 | 769 | 770 | 776 | 779 | 768 | 759 | 753 | 743 |
| 1961 | 750 | 748 | 748 | 749 | 752 | 751 | 745 | 737 | 730 | 717 | 705 | 698 |
| 1962 | 695 | 692 | 691 | 692 | 716 | 736 | 746 | 751 | 776 | 768 | 755 | 744 |
| 1963 | 739 | 734 | 731 | 735 | 761 | 773 | 781 | 794 | 819 | 815 | 801 | 792 |
| 1964 | 787 | 788 | 789 | 793 | 800 | 800 | 797 | 795 | 797 | 786 | 775 | 768 |
| 1965 | 766 | 767 | 798 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 745 | 755 | 771 | 789 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 799 | 796 | 784 | 773 | 767 |
| 1973 | 764 | 762 | 765 | 776 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 787 | 777 | 767 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 702 | 687 | 672 | 663 |
| 1978 | 659 | 655 | 658 | 684 | 717 | 749 | 762 | 777 | 814 | 822 | 808 | 803 |
| 1979 | 798 | 794 | 791 | 800 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 789 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 705 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 709 | 722 | 734 | 748 | 756 | 744 | 734 | 728 |
| 1990 | 727 | 726 | 728 | 732 | 732 | 734 | 732 | 730 | 728 | 714 | 700 | 692 |
| 1991 | 689 | 686 | 682 | 681 | 681 | 688 | 687 | 703 | 714 | 704 | 694 | 688 |
| 1992 | 687 | 687 | 687 | 689 | 698 | 703 | 706 | 714 | 713 | 699 | 685 | 675 |
| 1993 | 669 | 663 | 663 | 666 | 697 | 756 | 763 | 777 | 808 | 806 | 792 | 783 |
| 1994 | 777 | 771 | 767 | 766 | 769 | 772 | 770 | 773 | 772 | 762 | 752 | 746 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 142 | 133 | 108 | 50 | 53 | 69 | 80 |
| 48 | 43 | 40 | 31 | 37 | 52 | 62 |
| 78 | 83 | 88 | 97 | 109 | 123 | 131 |
| 91 | 78 | 65 | 47 | 56 | 72 | 83 |
| 83 | 69 | 56 | 58 | 73 | 88 | 97 |
| 49 | 38 | 37 | 18 | 26 | 40 | 50 |
| 32 | 30 | 13 | 13 | 27 | 42 | 52 |
| 63 | 63 | 59 | 52 | 61 | 70 | 78 |
| 73 | 71 | 68 | 55 | 63 | 72 | 79 |
| 79 | 96 | 95 | 106 | 120 | 133 | 140 |
| 72 | 71 | 64 | 48 | 51 | 66 | 76 |
| 87 | 89 | 92 | 75 | 86 | 100 | 110 |
| 100 | 101 | 105 | 108 | 124 | 139 | 147 |
| 104 | 103 | 73 | 46 | 58 | 73 | 85 |
| 40 | 31 | 13 | 0 | 9 | 24 | 34 |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 |
| 32 | 32 | 28 | 1 | 0 | 13 | 24 |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 |
| 32 | 32 | 20 | 0 | 1 | 15 | 24 |
| 32 | 30 | 25 | 1 | 0 | 14 | 24 |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 |
| 51 | 54 | 50 | 56 | 68 | 82 | 90 |
| 92 | 96 | 87 | 62 | 72 | 90 | 100 |
| 101 | 94 | 84 | 76 | 94 | 113 | 126 |
| 107 | 99 | 86 | 70 | 85 | 103 | 115 |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 18 | 22 | 36 | 45 |
| 35 | 30 | 13 | 12 | 27 | 43 | 52 |
| 48 | 51 | 47 | 41 | 53 | 65 | 72 |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 |
| 32 | 32 | 26 | 5 | 19 | 32 | 41 |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 |
| 32 | 30 | 32 | 38 | 50 | 62 | 69 |
| 63 | 62 | 56 | 53 | 64 | 73 | 79 |
| 81 | 87 | 95 | 102 | 115 | 127 | 134 |
| 96 | 86 | 81 | 56 | 64 | 77 | 88 |
| 59 | 51 | 38 | 13 | 17 | 31 | 40 |
| 32 | 35 | 37 | 35 | 46 | 57 | 64 |
| 32 | 30 | 25 | 5 | 5 | 16 | 25 |
| 32 | 31 | 34 | 41 | 56 | 71 | 80 |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 |
| 32 | 33 | 33 | 25 | 37 | 52 | 61 |
| 32 | 31 | 31 | 25 | 34 | 46 | 54 |
| 32 | 32 | 33 | 36 | 48 | 59 | 65 |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 |
| 33 | 38 | 45 | 55 | 65 | 75 | 81 |
| 95 | 104 | 117 | 130 | 145 | 160 | 169 |
| 83 | 70 | 55 | 18 | 10 | 24 | 29 |
| 32 | 30 | 10 | 0 | 14 | 29 | 38 |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 27 | 39 | 50 | 58 |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 |
| 32 | 35 | 29 | 18 | 31 | 46 | 56 |
| 32 | 31 | 33 | 37 | 48 | 60 | 66 |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 |
| 44 | 46 | 49 | 53 | 63 | 73 | 80 |
| 71 | 76 | 85 | 92 | 104 | 116 | 123 |
| 110 | 98 | 84 | 76 | 88 | 98 | 104 |
| 98 | 100 | 102 | 104 | 118 | 132 | 140 |
| 144 | 145 | 129 | 118 | 128 | 138 | 144 |
| 129 | 126 | | | | | |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: 8.18, 27 Nov 96
 CP # 20, LAKE McClURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-467/20/ELEVATION-EOP/1MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 867

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 680 | 680 | 696 | 712 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 811 | 799 | 781 | 768 | 758 |
| 1925 | 758 | 763 | 768 | 772 | 796 | 805 | 824 | 847 | 851 | 839 | 824 | 812 |
| 1926 | 808 | 808 | 808 | 808 | 808 | 814 | 834 | 832 | 831 | 827 | 820 | 812 |
| 1927 | 808 | 808 | 808 | 808 | 808 | 815 | 818 | 849 | 860 | 856 | 852 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 822 | 815 | 811 | 807 |
| 1929 | 807 | 806 | 806 | 805 | 807 | 809 | 810 | 814 | 814 | 816 | 819 | 813 |
| 1930 | 808 | 807 | 807 | 807 | 806 | 802 | 806 | 806 | 812 | 815 | 819 | 816 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 810 | 813 | 801 | 784 | 770 | 761 |
| 1932 | 760 | 760 | 778 | 789 | 808 | 817 | 826 | 852 | 867 | 857 | 843 | 832 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 816 | 825 | 839 | 827 | 813 | 805 |
| 1934 | 803 | 802 | 805 | 808 | 808 | 816 | 823 | 818 | 809 | 793 | 780 | 770 |
| 1935 | 769 | 773 | 778 | 796 | 806 | 816 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 778 | 779 | 780 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 |
| 1948 | 790 | 791 | 792 | 794 | 795 | 795 | 799 | 823 | 839 | 825 | 807 | 794 |
| 1949 | 791 | 791 | 792 | 793 | 796 | 804 | 815 | 836 | 835 | 816 | 797 | 782 |
| 1950 | 779 | 779 | 779 | 786 | 798 | 801 | 818 | 838 | 839 | 822 | 803 | 789 |
| 1951 | 786 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 |
| 1955 | 767 | 766 | 768 | 775 | 780 | 782 | 782 | 804 | 814 | 798 | 782 | 772 |
| 1956 | 769 | 769 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 |
| 1958 | 787 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 |
| 1960 | 772 | 771 | 771 | 772 | 784 | 792 | 806 | 819 | 816 | 801 | 787 | 777 |
| 1961 | 776 | 776 | 779 | 779 | 782 | 783 | 789 | 793 | 784 | 766 | 752 | 740 |
| 1962 | 739 | 739 | 741 | 744 | 784 | 793 | 816 | 831 | 845 | 832 | 815 | 802 |
| 1963 | 800 | 800 | 801 | 808 | 808 | 814 | 823 | 848 | 861 | 852 | 837 | 826 |
| 1964 | 808 | 808 | 808 | 808 | 808 | 808 | 811 | 821 | 819 | 803 | 787 | 777 |
| 1965 | 775 | 778 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 828 | 838 | 826 | 804 | 784 | 771 |
| 1967 | 768 | 770 | 795 | 807 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 812 | 793 | 777 | 766 |
| 1969 | 763 | 767 | 775 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 821 | 802 | 789 |
| 1971 | 786 | 788 | 798 | 807 | 808 | 812 | 814 | 826 | 836 | 822 | 804 | 790 |
| 1972 | 787 | 787 | 795 | 799 | 806 | 816 | 819 | 832 | 833 | 818 | 804 | 797 |
| 1973 | 797 | 798 | 804 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 768 | 759 |
| 1977 | 758 | 756 | 754 | 754 | 754 | 749 | 740 | 728 | 717 | 688 | 659 | 635 |
| 1978 | 629 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 793 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 814 | 801 |
| 1985 | 800 | 803 | 807 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 |
| 1986 | 798 | 800 | 806 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 782 | 773 |
| 1988 | 772 | 773 | 775 | 781 | 785 | 791 | 797 | 801 | 794 | 777 | 763 | 753 |
| 1989 | 751 | 750 | 753 | 754 | 759 | 775 | 797 | 808 | 804 | 789 | 775 | 766 |
| 1990 | 768 | 768 | 769 | 771 | 775 | 782 | 793 | 794 | 785 | 769 | 754 | 742 |
| 1991 | 740 | 739 | 738 | 738 | 737 | 758 | 763 | 784 | 797 | 784 | 770 | 761 |
| 1992 | 760 | 761 | 762 | 764 | 777 | 782 | 798 | 803 | 793 | 779 | 766 | 756 |
| 1993 | 755 | 755 | 760 | 802 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 815 | 821 | 813 | 798 | 784 | 775 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 |
| 60 | 58 | 56 | 68 | 86 | 99 | 109 | 1 |
| 62 | 43 | 20 | 16 | 28 | 43 | 55 | 1 |
| 53 | 33 | 35 | 36 | 40 | 47 | 55 | 1 |
| 52 | 49 | 18 | 7 | 11 | 15 | 27 | 1 |
| 58 | 59 | 43 | 45 | 52 | 56 | 60 | 1 |
| 58 | 57 | 53 | 53 | 51 | 48 | 54 | 1 |
| 65 | 61 | 59 | 55 | 52 | 48 | 51 | 1 |
| 59 | 57 | 54 | 66 | 83 | 97 | 106 | 1 |
| 50 | 41 | 15 | 0 | 10 | 24 | 35 | 1 |
| 56 | 51 | 42 | 28 | 40 | 54 | 62 | 1 |
| 51 | 44 | 49 | 58 | 74 | 87 | 97 | 1 |
| 51 | 27 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 8 | 2 | 14 | 29 | 40 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 |
| 72 | 68 | 44 | 28 | 42 | 60 | 73 | 1 |
| 63 | 52 | 31 | 32 | 51 | 70 | 85 | 1 |
| 66 | 49 | 29 | 28 | 45 | 64 | 78 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 |
| 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 |
| 65 | 65 | 63 | 53 | 69 | 85 | 95 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | 1 |
| 75 | 61 | 48 | 51 | 66 | 80 | 90 | 1 |
| 84 | 78 | 74 | 83 | 101 | 115 | 127 | 1 |
| 74 | 51 | 36 | 22 | 35 | 62 | 75 | 1 |
| 53 | 44 | 19 | 6 | 15 | 30 | 41 | 1 |
| 59 | 56 | 46 | 48 | 64 | 80 | 90 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 53 | 39 | 29 | 41 | 63 | 83 | 96 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 50 | 46 | 55 | 74 | 90 | 101 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 46 | 30 | 30 | 46 | 65 | 78 | 1 |
| 55 | 53 | 41 | 31 | 45 | 63 | 77 | 1 |
| 51 | 48 | 35 | 34 | 49 | 63 | 70 | 1 |
| 47 | 39 | 8 | 0 | 15 | 29 | 38 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 99 | 108 | 1 |
| 118 | 127 | 139 | 150 | 179 | 208 | 232 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 0 | 18 | 33 | 44 | 1 |
| 47 | 32 | 8 | 0 | 0 | 12 | 27 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | 1 |
| 47 | 40 | 17 | 19 | 35 | 53 | 66 | 1 |
| 53 | 39 | 26 | 32 | 46 | 60 | 74 | 1 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 | |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: 8.18, 27 Nov 96
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-467/18/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 | |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 | |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 | |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 | |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 | |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 | |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 | |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 | |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 516 | 489 | 466 | 482 | |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 | |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 | |
| 1933 | 477 | 488 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 | |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 488 | 477 | 486 | |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 | |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 | |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 | |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 | |
| 1939 | 514 | 503 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 | |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 | |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 | |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 | |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 | |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 | |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 | |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 | |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 | |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 | |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 | |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 | |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 | |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 | |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 | |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 | |
| 1955 | 489 | 512 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 | |
| 1956 | 481 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 | |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 | |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 | |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 | |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 | |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 | |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 | |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 | |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 | |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 | |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 | |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 | |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 | |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 | |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 | |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 | |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 | |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 559 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 | |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 | |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 | |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 | |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 | |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 | |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 | |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 | |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 | |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 | |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 | |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 | |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 | |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 | |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 | |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 | |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 | |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 | |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 | |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 | |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 | |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 |
| 73 | 60 | 49 | 53 | 78 | 99 | 107 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 |
| 43 | 28 | 23 | 33 | 66 | 99 | 88 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 |
| 92 | 109 | 99 | 93 | 12 | 4 | 0 |
| 8 | 6 | 19 | 46 | 89 | 93 | |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 |
| 24 | 2 | 11 | 0 | 18 | 73 | 97 |
| 65 | 46 | 25 | 37 | 73 | 103 | 96 |
| 49 | 37 | 29 | 49 | 78 | 93 | 90 |
| 60 | 39 | 24 | 36 | 74 | 98 | 92 |
| 59 | 44 | 32 | 51 | 68 | 97 | 93 |
| 87 | 75 | 68 | 64 | 70 | 96 | 90 |
| 86 | 83 | 82 | 96 | 106 | 11 | |

Flow and Joint Point Alternative 1

STUDY: 1995C6F-SWRCB-467 DWRSIM: recirc818-f, 17 Jun 97
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-467/12/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 421 | 436 | 471 | 516 | 539 | 544 | 544 | 527 | 484 | 431 | 404 | 420 |
| 1923 | 454 | 483 | 499 | 514 | 524 | 528 | 526 | 499 | 439 | 391 | 368 | 355 |
| 1924 | 380 | 404 | 438 | 481 | 521 | 534 | 511 | 499 | 474 | 434 | 392 | 378 |
| 1925 | 370 | 384 | 424 | 433 | 484 | 509 | 524 | 504 | 458 | 429 | 383 | 374 |
| 1926 | 374 | 386 | 398 | 453 | 497 | 526 | 535 | 517 | 473 | 449 | 393 | 393 |
| 1927 | 401 | 439 | 476 | 521 | 544 | 544 | 541 | 516 | 462 | 419 | 392 | 410 |
| 1928 | 446 | 476 | 493 | 507 | 519 | 525 | 526 | 503 | 451 | 414 | 394 | 386 |
| 1929 | 404 | 439 | 472 | 503 | 539 | 544 | 538 | 519 | 487 | 465 | 426 | 401 |
| 1930 | 401 | 406 | 451 | 501 | 535 | 543 | 544 | 526 | 486 | 464 | 432 | 418 |
| 1931 | 418 | 444 | 451 | 476 | 514 | 532 | 522 | 506 | 472 | 447 | 396 | 383 |
| 1932 | 364 | 365 | 425 | 485 | 527 | 537 | 505 | 493 | 458 | 433 | 400 | 380 |
| 1933 | 380 | 390 | 398 | 438 | 485 | 524 | 502 | 487 | 458 | 438 | 396 | 379 |
| 1934 | 379 | 379 | 421 | 467 | 511 | 538 | 508 | 489 | 454 | 427 | 385 | 369 |
| 1935 | 369 | 393 | 396 | 461 | 468 | 505 | 520 | 494 | 436 | 392 | 326 | 335 |
| 1936 | 378 | 410 | 445 | 494 | 523 | 527 | 528 | 507 | 452 | 410 | 384 | 380 |
| 1937 | 395 | 414 | 449 | 488 | 523 | 532 | 539 | 531 | 487 | 442 | 409 | 408 |
| 1938 | 421 | 456 | 493 | 522 | 536 | 544 | 544 | 534 | 505 | 463 | 435 | 452 |
| 1939 | 483 | 509 | 514 | 527 | 540 | 544 | 544 | 520 | 476 | 450 | 429 | 403 |
| 1940 | 409 | 415 | 415 | 478 | 521 | 528 | 526 | 497 | 434 | 380 | 355 | 354 |
| 1941 | 377 | 414 | 449 | 500 | 520 | 525 | 523 | 510 | 476 | 436 | 399 | 421 |
| 1942 | 457 | 489 | 497 | 513 | 525 | 529 | 527 | 505 | 469 | 428 | 403 | 423 |
| 1943 | 457 | 488 | 498 | 513 | 524 | 535 | 536 | 526 | 465 | 427 | 403 | 408 |
| 1944 | 434 | 465 | 492 | 512 | 525 | 532 | 534 | 510 | 466 | 439 | 424 | 413 |
| 1945 | 414 | 452 | 488 | 528 | 544 | 544 | 541 | 515 | 461 | 419 | 392 | 391 |
| 1946 | 421 | 455 | 487 | 507 | 518 | 523 | 522 | 493 | 434 | 386 | 363 | 356 |
| 1947 | 381 | 419 | 453 | 488 | 520 | 529 | 530 | 501 | 448 | 411 | 389 | 388 |
| 1948 | 388 | 414 | 425 | 461 | 498 | 514 | 531 | 500 | 443 | 391 | 350 | 358 |
| 1949 | 384 | 417 | 445 | 492 | 527 | 538 | 537 | 515 | 465 | 431 | 407 | 400 |
| 1950 | 407 | 437 | 447 | 497 | 532 | 539 | 538 | 514 | 465 | 427 | 405 | 409 |
| 1951 | 423 | 454 | 489 | 522 | 532 | 536 | 533 | 503 | 446 | 389 | 353 | 354 |
| 1952 | 387 | 421 | 451 | 502 | 517 | 523 | 529 | 522 | 496 | 458 | 444 | 462 |
| 1953 | 493 | 508 | 514 | 528 | 538 | 543 | 541 | 518 | 472 | 431 | 408 | 427 |
| 1954 | 480 | 490 | 506 | 520 | 531 | 536 | 536 | 508 | 451 | 407 | 378 | 384 |
| 1955 | 405 | 437 | 467 | 510 | 535 | 541 | 541 | 514 | 464 | 431 | 414 | 402 |
| 1956 | 411 | 443 | 481 | 523 | 536 | 544 | 543 | 520 | 470 | 411 | 375 | 389 |
| 1957 | 422 | 451 | 477 | 514 | 526 | 532 | 532 | 507 | 453 | 410 | 383 | 385 |
| 1958 | 422 | 453 | 483 | 525 | 537 | 541 | 542 | 526 | 494 | 442 | 419 | 436 |
| 1959 | 468 | 497 | 505 | 518 | 530 | 536 | 537 | 511 | 462 | 430 | 413 | 409 |
| 1960 | 420 | 439 | 449 | 483 | 523 | 544 | 537 | 511 | 463 | 434 | 386 | 391 |
| 1961 | 399 | 435 | 468 | 515 | 540 | 544 | 543 | 518 | 472 | 445 | 424 | 408 |
| 1962 | 408 | 429 | 464 | 513 | 539 | 543 | 542 | 508 | 447 | 398 | 354 | 358 |
| 1963 | 399 | 430 | 458 | 501 | 526 | 531 | 530 | 504 | 450 | 404 | 372 | 387 |
| 1964 | 423 | 454 | 482 | 506 | 518 | 526 | 528 | 500 | 448 | 413 | 394 | 387 |
| 1965 | 394 | 431 | 468 | 518 | 541 | 544 | 544 | 518 | 457 | 405 | 370 | 381 |
| 1966 | 418 | 449 | 479 | 510 | 520 | 526 | 527 | 498 | 445 | 407 | 386 | 383 |
| 1967 | 404 | 439 | 477 | 523 | 539 | 543 | 544 | 534 | 505 | 484 | 465 | 480 |
| 1968 | 503 | 514 | 519 | 532 | 542 | 544 | 543 | 516 | 464 | 429 | 409 | 404 |
| 1969 | 415 | 450 | 482 | 524 | 537 | 544 | 544 | 536 | 511 | 476 | 453 | 469 |
| 1970 | 499 | 513 | 518 | 532 | 544 | 544 | 542 | 518 | 464 | 425 | 402 | 403 |
| 1971 | 418 | 453 | 483 | 515 | 525 | 531 | 531 | 505 | 455 | 410 | 383 | 399 |
| 1972 | 431 | 461 | 490 | 526 | 538 | 543 | 543 | 513 | 459 | 411 | 383 | 379 |
| 1973 | 414 | 446 | 476 | 520 | 532 | 536 | 533 | 505 | 444 | 394 | 367 | 364 |
| 1974 | 404 | 437 | 467 | 504 | 516 | 521 | 521 | 497 | 450 | 403 | 374 | 393 |
| 1975 | 428 | 459 | 489 | 509 | 521 | 526 | 524 | 495 | 438 | 381 | 353 | 372 |
| 1976 | 408 | 440 | 467 | 505 | 519 | 530 | 528 | 505 | 465 | 444 | 421 | 395 |
| 1977 | 408 | 414 | 416 | 416 | 437 | 441 | 472 | 469 | 439 | 413 | 387 | 373 |
| 1978 | 344 | 351 | 417 | 482 | 513 | 525 | 533 | 529 | 493 | 444 | 410 | 432 |
| 1979 | 465 | 496 | 506 | 522 | 534 | 538 | 536 | 512 | 463 | 420 | 394 | 390 |
| 1980 | 418 | 453 | 483 | 506 | 522 | 534 | 540 | 533 | 495 | 446 | 410 | 432 |
| 1981 | 465 | 497 | 503 | 517 | 530 | 538 | 536 | 513 | 464 | 431 | 413 | 400 |
| 1982 | 407 | 445 | 479 | 525 | 538 | 543 | 544 | 527 | 485 | 430 | 400 | 412 |
| 1983 | 442 | 473 | 504 | 531 | 544 | 544 | 544 | 539 | 523 | 514 | 501 | 509 |
| 1984 | 524 | 536 | 542 | 544 | 544 | 544 | 541 | 517 | 465 | 425 | 399 | 404 |
| 1985 | 440 | 472 | 493 | 507 | 520 | 527 | 528 | 499 | 445 | 407 | 385 | 385 |
| 1986 | 396 | 419 | 453 | 503 | 541 | 544 | 544 | 534 | 509 | 481 | 445 | 460 |
| 1987 | 489 | 504 | 524 | 544 | 544 | 544 | 529 | 503 | 456 | 427 | 414 | 387 |
| 1988 | 391 | 402 | 441 | 491 | 520 | 521 | 496 | 478 | 443 | 426 | 421 | 406 |
| 1989 | 406 | 429 | 439 | 453 | 480 | 518 | 532 | 512 | 465 | 439 | 387 | 397 |
| 1990 | 428 | 458 | 491 | 528 | 544 | 544 | 541 | 522 | 486 | 471 | 431 | 406 |
| 1991 | 405 | 406 | 412 | 412 | 442 | 494 | 523 | 519 | 498 | 474 | 431 | 424 |
| 1992 | 429 | 435 | 442 | 454 | 502 | 535 | 544 | 525 | 495 | 471 | 431 | 413 |
| 1993 | 413 | 419 | 463 | 519 | 534 | 538 | 535 | 515 | 471 | 428 | 401 | 417 |
| 1994 | 443 | 475 | 495 | 509 | 522 | 530 | 533 | 512 | 472 | 453 | 434 | 405 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 0 | 17 | 60 | 113 | 140 | 124 |
| 16 | 18 | 45 | 105 | 153 | 176 | 189 |
| 10 | 33 | 45 | 70 | 110 | 152 | 166 |
| 35 | 20 | 40 | 86 | 115 | 161 | 170 |
| 18 | 9 | 27 | 71 | 95 | 151 | 151 |
| 0 | 3 | 28 | 82 | 125 | 152 | 134 |
| 19 | 18 | 41 | 93 | 130 | 150 | 158 |
| 0 | 6 | 25 | 57 | 79 | 118 | 143 |
| 1 | 0 | 18 | 58 | 80 | 112 | 126 |
| 12 | 22 | 38 | 72 | 97 | 148 | 161 |
| 7 | 39 | 51 | 86 | 111 | 144 | 164 |
| 20 | 42 | 57 | 86 | 106 | 148 | 165 |
| 6 | 36 | 55 | 90 | 117 | 159 | 175 |
| 39 | 24 | 50 | 108 | 152 | 218 | 209 |
| 17 | 16 | 37 | 92 | 134 | 160 | 164 |
| 12 | 5 | 13 | 57 | 102 | 135 | 136 |
| 0 | 0 | 10 | 39 | 81 | 109 | 92 |
| 0 | 0 | 24 | 68 | 94 | 115 | 141 |
| 16 | 18 | 47 | 110 | 164 | 189 | 190 |
| 19 | 21 | 34 | 68 | 108 | 145 | 123 |
| 15 | 17 | 39 | 75 | 116 | 141 | 121 |
| 9 | 8 | 18 | 79 | 117 | 141 | 136 |
| 12 | 10 | 34 | 78 | 105 | 120 | 131 |
| 0 | 3 | 29 | 83 | 125 | 152 | 153 |
| 21 | 22 | 51 | 110 | 158 | 181 | 188 |
| 15 | 14 | 43 | 96 | 133 | 155 | 156 |
| 30 | 13 | 44 | 101 | 153 | 194 | 186 |
| 6 | 7 | 29 | 79 | 113 | 137 | 144 |
| 5 | 6 | 30 | 79 | 117 | 139 | 135 |
| 8 | 11 | 41 | 98 | 155 | 191 | 190 |
| 21 | 15 | 22 | 48 | 86 | 100 | 82 |
| 5 | 3 | 26 | 72 | 113 | 136 | 117 |
| 8 | 8 | 36 | 93 | 137 | 166 | 160 |
| 3 | 3 | 30 | 80 | 113 | 130 | 142 |
| 0 | 1 | 24 | 74 | 133 | 169 | 155 |
| 12 | 12 | 37 | 91 | 134 | 161 | 159 |
| 3 | 2 | 18 | 50 | 102 | 125 | 108 |
| 8 | 7 | 33 | 82 | 114 | 131 | 135 |
| 0 | 7 | 33 | 81 | 110 | 158 | 153 |
| 0 | 1 | 26 | 72 | 99 | 120 | 136 |
| 1 | 2 | 36 | 97 | 146 | 190 | 186 |
| 13 | 14 | 40 | 94 | 140 | 172 | 157 |
| 18 | 16 | 44 | 96 | 131 | 150 | 157 |
| 0 | 0 | 26 | 87 | 139 | 174 | 163 |
| 18 | 17 | 46 | 99 | 137 | 158 | 161 |
| 1 | 0 | 10 | 39 | 60 | 79 | 64 |
| 0 | 1 | 28 | 80 | 115 | 135 | 140 |
| 0 | 0 | 8 | 33 | 68 | 91 | 75 |
| 0 | 2 | 26 | 80 | 119 | 142 | 141 |
| 13 | 13 | 39 | 89 | 134 | 161 | 145 |
| 1 | 1 | 31 | 85 | 133 | 161 | 165 |
| 8 | 11 | 39 | 100 | 150 | 177 | 180 |
| 23 | 23 | 47 | 94 | 141 | 170 | 151 |
| 18 | 20 | 49 | 106 | 163 | 191 | 172 |
| 14 | 16 | 39 | 79 | 100 | 123 | 149 |
| 103 | 72 | 75 | 105 | 131 | 157 | 171 |
| 19 | 11 | 15 | 51 | 100 | 134 | 112 |
| 6 | 8 | 32 | 81 | 124 | 150 | 154 |
| 10 | 4 | 11 | 49 | 98 | 134 | 112 |
| 8 | 8 | 31 | 80 | 113 | 131 | 144 |
| 0 | 0 | 17 | 59 | 114 | 144 | 132 |
| 0 | 0 | 5 | 21 | 30 | 43 | 35 |
| 0 | 3 | 27 | 79 | 119 | 145 | 140 |
| 17 | 16 | 45 | 99 | 137 | 159 | 159 |
| 0 | 0 | 10 | 35 | 63 | 99 | 84 |

STUDY: 1995C06F-SWRCB-468 DWRSIM: recirc818-f, 17 Jun 97
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-468/4/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 1067

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|-----|-----|-----|
| 1922 | 989 | 993 | 999 | 1,003 | 1,019 | 1,038 | 1,060 | 1,067 | 1,062 | 1,048 | 1,031 | 1,025 | 29 | 7 | 0 | 5 | 19 | 36 | 42 | 1 | 4 | 6 | 4 | 2 | 1 | 1 | 1 | 19 | 19 | 22 | 7 | -5 | -14 | -17 | -6 | 6 | 6 | 6 | 5 | 3 | 2 | 4 | 32 | 608 |
| 1923 | 1,023 | 1,017 | 1,019 | 1,023 | 1,020 | 1,021 | 1,033 | 1,029 | 1,015 | 996 | 978 | 976 | 46 | 34 | 38 | 52 | 71 | 89 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 12 | -4 | -14 | -19 | -18 | -2 | 6 | 6 | 5 | 3 | 2 | 2 | 5 | 29 | 203 | |
| 1924 | 978 | 978 | 978 | 978 | 986 | 986 | 975 | 961 | 944 | 922 | 904 | 889 | 81 | 92 | 106 | 123 | 145 | 163 | 178 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -11 | -14 | -17 | -22 | -18 | -15 | 6 | 3 | 3 | 2 | 1 | 2 | 3 | 20 | 140 | | |
| 1925 | 893 | 906 | 915 | 925 | 997 | 1,012 | 1,043 | 1,054 | 1,045 | 1,027 | 1,012 | 1,008 | 55 | 24 | 13 | 22 | 40 | 55 | 59 | 1 | 1 | 3 | 1 | 1 | 1 | 9 | 15 | 31 | 11 | -9 | -18 | -15 | -4 | 6 | 6 | 6 | 4 | 2 | 3 | 5 | 32 | 288 | | |
| 1926 | 1,006 | 1,003 | 1,000 | 997 | 1,023 | 1,025 | 1,038 | 1,032 | 1,011 | 988 | 969 | 962 | 42 | 29 | 35 | 56 | 79 | 98 | 105 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 13 | -6 | -21 | -23 | -19 | -7 | 6 | 6 | 4 | 1 | 1 | 2 | 4 | 24 | 168 | | |
| 1927 | 960 | 988 | 1,011 | 1,035 | 1,026 | 1,052 | 1,067 | 1,067 | 1,058 | 1,044 | 1,027 | 1,022 | 15 | 0 | 0 | 9 | 23 | 40 | 45 | 2 | 6 | 6 | 4 | 1 | 1 | 21 | 26 | 15 | 0 | -9 | -14 | -17 | -5 | 6 | 6 | 6 | 4 | 3 | 2 | 5 | 32 | 672 | | |
| 1928 | 1,020 | 1,017 | 1,020 | 1,028 | 1,044 | 1,046 | 1,066 | 1,062 | 1,048 | 1,021 | 999 | 993 | 21 | 1 | 5 | 19 | 46 | 68 | 74 | 1 | 5 | 4 | 2 | 1 | 1 | 15 | 2 | 20 | -4 | -14 | -27 | -22 | -6 | 6 | 6 | 5 | 3 | 1 | 1 | 4 | 26 | 390 | | |
| 1929 | 991 | 992 | 992 | 992 | 998 | 999 | 1,002 | 996 | 988 | 970 | 952 | 944 | 68 | 65 | 71 | 79 | 97 | 115 | 123 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 3 | -6 | -8 | -18 | -18 | -8 | 6 | 6 | 4 | 4 | 2 | 2 | 4 | 28 | 196 | | |
| 1930 | 942 | 941 | 972 | 984 | 1,001 | 1,024 | 1,034 | 1,035 | 1,015 | 996 | 982 | 980 | 43 | 33 | 32 | 52 | 71 | 85 | 87 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 23 | 10 | 1 | -20 | -19 | -14 | -2 | 6 | 6 | 6 | 2 | 2 | 3 | 5 | 30 | 210 | | |
| 1931 | 976 | 975 | 973 | 975 | 978 | 986 | 977 | 967 | 959 | 939 | 923 | 909 | 81 | 90 | 100 | 108 | 128 | 144 | 158 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | -9 | -10 | -8 | -20 | -16 | -14 | 6 | 4 | 4 | 4 | 2 | 2 | 3 | 25 | 175 | | |
| 1932 | 904 | 903 | 919 | 930 | 940 | 965 | 968 | 976 | 969 | 955 | 941 | 933 | 102 | 99 | 91 | 98 | 112 | 126 | 134 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 25 | 3 | 8 | -7 | -14 | -14 | -8 | 6 | 6 | 6 | 4 | 3 | 3 | 4 | 32 | 224 | | |
| 1933 | 931 | 928 | 929 | 932 | 935 | 969 | 980 | 985 | 981 | 961 | 946 | 940 | 98 | 87 | 82 | 86 | 106 | 121 | 127 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 11 | 5 | -4 | -20 | -15 | -6 | 6 | 6 | 6 | 5 | 2 | 3 | 4 | 32 | 224 | | |
| 1934 | 938 | 937 | 946 | 963 | 983 | 995 | 995 | 990 | 980 | 947 | 919 | 904 | 72 | 72 | 77 | 87 | 120 | 148 | 163 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 0 | -5 | -10 | -33 | -28 | -15 | 6 | 6 | 5 | 4 | 1 | 1 | 3 | 26 | 182 | | |
| 1935 | 898 | 910 | 914 | 937 | 957 | 981 | 1,026 | 1,034 | 1,026 | 1,008 | 994 | 989 | 86 | 41 | 33 | 41 | 59 | 73 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 24 | 45 | 8 | -8 | -18 | -14 | -5 | 6 | 6 | 6 | 4 | 2 | 3 | 5 | 32 | 224 | | |
| 1936 | 987 | 984 | 981 | 1,006 | 1,032 | 1,044 | 1,053 | 1,051 | 1,043 | 1,023 | 1,003 | 998 | 23 | 14 | 16 | 24 | 44 | 64 | 69 | 1 | 3 | 2 | 1 | 1 | 1 | 10 | 12 | 9 | -2 | -8 | -20 | -20 | -5 | 6 | 6 | 5 | 4 | 2 | 2 | 5 | 30 | 210 | | |
| 1937 | 993 | 989 | 983 | 977 | 977 | 1,004 | 1,033 | 1,041 | 1,037 | 1,016 | 997 | 990 | 63 | 34 | 26 | 30 | 51 | 70 | 77 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 27 | 29 | 8 | -4 | -21 | -19 | -7 | 6 | 6 | 6 | 5 | 1 | 2 | 4 | 30 | 300 | | |
| 1938 | 988 | 1,010 | 1,020 | 1,035 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 | 43 | 18 | 0 | 0 | 9 | 22 | 31 | 1 | 2 | 6 | 6 | 4 | 1 | 21 | -6 | -25 | 18 | 0 | -9 | -13 | -9 | 4 | 6 | 6 | 6 | 4 | 3 | 4 | 33 | 693 | | |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,024 | 1,039 | 1,031 | 1,024 | 999 | 977 | 949 | 945 | 29 | 36 | 43 | 68 | 90 | 118 | 122 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | -8 | -7 | -25 | -22 | -28 | -4 | 6 | 4 | 4 | 1 | 1 | 1 | 5 | 22 | 154 | | |
| 1940 | 942 | 937 | 945 | 993 | 1,017 | 1,025 | 1,059 | 1,064 | 1,054 | 1,034 | 1,017 | 1,015 | 42 | 8 | 3 | 13 | 33 | 50 | 52 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 8 | 34 | 5 | -10 | -20 | -17 | -2 | 6 | 6 | 6 | 4 | 2 | 2 | 5 | 31 | 496 | | |
| 1941 | 1,014 | 1,013 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 | 22 | 3 | 0 | 0 | 9 | 20 | 31 | 1 | 5 | 6 | 6 | 4 | 1 | 24 | 21 | 19 | 3 | 0 | -9 | -11 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 816 | | |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 | 25 | 0 | 0 | 0 | 9 | 21 | 31 | 1 | 6 | 6 | 6 | 4 | 1 | 25 | 14 | 25 | 0 | 0 | -9 | -12 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 875 | | |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,059 | 1,045 | 1,030 | 1,024 | 16 | 0 | 0 | 8 | 22 | 37 | 43 | 2 | 6 | 6 | 4 | 1 | 1 | 21 | 9 | 16 | 0 | -8 | -14 | -15 | -6 | 6 | 6 | 6 | 4 | 3 | 3 | 4 | 32 | 672 | | |
| 1944 | 1,023 | 1,017 | 1,015 | 1,014 | 1,023 | 1,033 | 1,038 | 1,038 | 1,019 | 995 | 974 | 967 | 34 | 29 | 28 | 48 | 72 | 93 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 10 | 5 | 0 | -19 | -24 | -21 | -7 | 6 | 6 | 6 | 2 | 1 | 1 | 4 | 26 | 152 | | |
| 1945 | 969 | 981 | 996 | 1,005 | 1,039 | 1,053 | 1,065 | 1,067 | 1,062 | 1,040 | 1,023 | 1,018 | 14 | 2 | 0 | 5 | 27 | 44 | 49 | 3 | 5 | 6 | 4 | 1 | 1 | 21 | 14 | 12 | 2 | -5 | -22 | -17 | -5 | 6 | 6 | 6 | 5 | 1 | 2 | 5 | 31 | 651 | | |
| 1946 | 1,017 | 1,017 | 1,018 | 1,033 | 1,039 | 1,050 | 1,062 | 1,064 | 1,054 | 1,036 | 1,020 | 1,017 | 17 | 5 | 3 | 13 | 31 | 47 | 50 | 2 | 4 | 5 | 3 | 1 | 1 | 17 | 11 | 12 | 2 | -10 | -18 | -16 | -3 | 6 | 6 | 6 | 4 | 2 | 2 | 5 | 31 | 527 | | |
| 1947 | 1,014 | 1,014 | 1,015 | 1,011 | 1,018 | 1,038 | 1,044 | 1,034 | 1,019 | 995 | 977 | 971 | 29 | 23 | 33 | 48 | 72 | 90 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 20 | 6 | -10 | -15 | -24 | -18 | -6 | 6 | 6 | 4 | 3 | 1 | 2 | 4 | 26 | 182 | | |
| 1948 | 977 | 980 | 982 | 1,007 | 1,006 | 1,018 | 1,056 | 1,067 | 1,052 | 1,037 | 1,036 | 1,036 | 49 | 11 | 0 | 0 | 15 | 30 | 31 | 1 | 3 | 6 | 6 | 2 | 1 | 20 | 12 | 38 | 11 | 0 | -15 | -15 | -1 | 6 | 6 | 6 | 6 | 3 | 3 | 5 | 35 | 700 | | |
| 1949 | 1,023 | 1,017 | 1,016 | 1,012 | 1,016 | 1,050 | 1,063 | 1,064 | 1,048 | 1,026 | 1,008 | 1,004 | 17 | 4 | 3 | 19 | 41 | 59 | 63 | 2 | 5 | 5 | 2 | 1 | 1 | 17 | 34 | 13 | 1 | -16 | -22 | -18 | -4 | 6 | 6 | 6 | 2 | 1 | 2 | 5 | 28 | 476 | | |
| 1950 | 1,000 | 997 | 994 | 1,002 | 1,016 | 1,033 | 1,047 | 1,046 | 1,034 | 1,012 | 995 | 993 | 34 | 20 | 21 | 33 | 55 | 72 | 74 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 14 | -1 | -12 | -22 | -17 | -2 | 6 | 6 | 5 | 3 | 1 | 2 | 5 | 28 | 196 | | |
| 1951 | 1,006 | 1,017 | 1,020 | 1,033 | 1,040 | 1,057 | 1,064 | 1,067 | 1,051 | 1,030 | 1,012 | 1,010 | 10 | 3 | 0 | 16 | 37 | 55 | 57 | 3 | 5 | 6 | 2 | 1 | 1 | 19 | 17 | 7 | 3 | -16 | -21 | -18 | -2 | 6 | 6 | 6 | 2 | 1 | 2 | 5 | 28 | 532 | | |
| 1952 | 1,008 | 1,013 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 | 19 | 9 | 0 | 0 | 9 | 21 | 31 | 2 | 4 | 6 | 6 | 4 | 1 | 24 | 10 | 10 | 9 | 0 | -9 | -12 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 840 | | |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,051 | 1,065 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 | 16 | 2 | 0 | 0 | 9 | 21 | 31 | 2 | 5 | 6 | 6 | 4 | 1 | 25 | 18 | 14 | 2 | 0 | -9 | -12 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 875 | | |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,064 | 1,059 | 1,042 | 1,029 | 1,029 | 16 | 0 | 3 | 8 | 25 | 38 | 38 | 2 | 6 | 5 | 4 | 1 | 1 | 20 | 16 | 16 | 3 | -5 | -17 | -13 | 0 | 6 | 6 | 5 | 5 | 2 | 3 | 6 | 33 | 660 | | |
| 1955 | 1,023 | 1,017 | 1,022 | 1,024 | 1,027 | 1,025 | 1,039 | 1,047 | 1,028 | 1,004 | 987 | 986 | 42 | 28 | 20 | 39 | 63 | 80 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -2 | 14 | 8 | -19 | -24 | -17 | -1 | 5 | 6 | 6 | 2 | 1 | 2 | 5 | 27 | 189 | | |
| 1956 | 984 | 987 | 1,017 | 1,017 | 1,019 | 1,048 | 1,067 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 | 19 | 0 | 0 | 0 | 9 | 20 | 31 | 2 | 6 | 6 | 6 | 4 | 1 | 26 | 29 | 19 | 0 | 0 | -9 | -11 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 884 | | |
| 1957 | 1,023 | 1,017 | 1,016 | 1,017 | 1,035 | 1,052 | 1,058 | 1,067 | 1,060 | 1,043 | 1,029 | 1,031 | 15 | 9 | 0 | 7 | 24 | 38 | 36 | 2 | 4 | 6 | 4 | 1 | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-468 DWRSIM: recirc18-f, 17 Jun 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-468/6/ELEVATION-EOP/1/MON/OUTPUT/
 73-year maximum March - September Reservoir Elevation = 900'

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 876 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 868 | 891 | 897 | 878 | 839 | 805 | 808 |
| 1924 | 800 | 788 | 761 | 766 | 784 | 774 | 761 | 750 | 728 | 709 | 700 | 694 |
| 1925 | 695 | 699 | 705 | 722 | 789 | 817 | 836 | 843 | 825 | 793 | 782 | 780 |
| 1926 | 777 | 779 | 781 | 794 | 837 | 856 | 887 | 874 | 853 | 812 | 799 | 781 |
| 1927 | 778 | 809 | 810 | 833 | 849 | 863 | 890 | 900 | 900 | 865 | 854 | 852 |
| 1928 | 849 | 859 | 860 | 868 | 871 | 849 | 878 | 863 | 842 | 788 | 737 | 730 |
| 1929 | 717 | 712 | 710 | 715 | 729 | 746 | 749 | 752 | 744 | 726 | 715 | 709 |
| 1930 | 701 | 698 | 760 | 788 | 816 | 848 | 871 | 874 | 855 | 814 | 776 | 772 |
| 1931 | 763 | 755 | 746 | 760 | 772 | 789 | 776 | 763 | 740 | 720 | 709 | 702 |
| 1932 | 696 | 688 | 693 | 718 | 740 | 774 | 780 | 805 | 777 | 753 | 742 | 736 |
| 1933 | 727 | 715 | 713 | 725 | 735 | 740 | 743 | 758 | 752 | 736 | 725 | 717 |
| 1934 | 713 | 705 | 708 | 734 | 756 | 778 | 770 | 760 | 736 | 710 | 700 | 686 |
| 1935 | 671 | 675 | 682 | 710 | 733 | 764 | 852 | 862 | 848 | 824 | 814 | 794 |
| 1936 | 785 | 775 | 773 | 823 | 849 | 860 | 886 | 897 | 887 | 847 | 828 | 824 |
| 1937 | 817 | 806 | 801 | 804 | 821 | 845 | 870 | 883 | 860 | 834 | 821 | 816 |
| 1938 | 811 | 825 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 713 | 656 | 650 |
| 1940 | 639 | 629 | 631 | 704 | 813 | 849 | 879 | 883 | 867 | 829 | 820 | 809 |
| 1941 | 801 | 801 | 842 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 885 | 882 | 882 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 897 | 893 | 892 | 860 | 849 | 850 |
| 1944 | 851 | 853 | 853 | 859 | 857 | 868 | 879 | 895 | 875 | 835 | 797 | 791 |
| 1945 | 786 | 793 | 809 | 823 | 862 | 865 | 880 | 896 | 877 | 837 | 813 | 808 |
| 1946 | 808 | 816 | 849 | 864 | 868 | 868 | 887 | 892 | 870 | 831 | 788 | 785 |
| 1947 | 777 | 783 | 791 | 797 | 823 | 845 | 855 | 850 | 832 | 777 | 731 | 724 |
| 1948 | 728 | 729 | 725 | 761 | 763 | 783 | 843 | 872 | 878 | 844 | 827 | 821 |
| 1949 | 814 | 812 | 812 | 817 | 823 | 843 | 862 | 866 | 844 | 796 | 759 | 755 |
| 1950 | 741 | 740 | 741 | 771 | 818 | 849 | 881 | 900 | 886 | 848 | 820 | 819 |
| 1951 | 823 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 848 | 819 | 820 |
| 1952 | 824 | 827 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 887 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 869 | 870 |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 863 | 847 | 800 | 753 | 753 |
| 1955 | 754 | 756 | 764 | 777 | 786 | 799 | 808 | 822 | 794 | 730 | 706 | 703 |
| 1956 | 694 | 690 | 845 | 849 | 849 | 864 | 892 | 900 | 900 | 873 | 870 | 874 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 881 | 866 | 827 | 795 | 800 |
| 1958 | 802 | 806 | 825 | 845 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 807 | 757 | 761 |
| 1960 | 754 | 742 | 737 | 752 | 813 | 853 | 853 | 859 | 840 | 800 | 788 | 782 |
| 1961 | 772 | 774 | 783 | 795 | 823 | 841 | 840 | 846 | 826 | 768 | 727 | 723 |
| 1962 | 706 | 703 | 712 | 727 | 789 | 823 | 844 | 843 | 828 | 772 | 745 | 724 |
| 1963 | 798 | 810 | 838 | 859 | 867 | 858 | 876 | 900 | 893 | 857 | 845 | 846 |
| 1964 | 847 | 859 | 861 | 866 | 874 | 874 | 880 | 884 | 867 | 826 | 779 | 752 |
| 1965 | 739 | 740 | 849 | 849 | 863 | 870 | 887 | 881 | 884 | 854 | 848 | 849 |
| 1966 | 853 | 859 | 860 | 864 | 870 | 874 | 894 | 882 | 862 | 821 | 772 | 767 |
| 1967 | 753 | 764 | 802 | 849 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 801 | 764 | 761 |
| 1969 | 762 | 767 | 790 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 818 | 787 | 789 |
| 1971 | 792 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 871 | 853 | 855 |
| 1972 | 860 | 866 | 865 | 869 | 867 | 874 | 884 | 886 | 867 | 826 | 781 | 782 |
| 1973 | 778 | 793 | 820 | 849 | 849 | 860 | 882 | 900 | 869 | 829 | 810 | 806 |
| 1974 | 810 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 888 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 877 | 876 | 877 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 794 | 759 | 759 |
| 1977 | 749 | 739 | 723 | 719 | 704 | 698 | 674 | 666 | 638 | 614 | 606 | 603 |
| 1978 | 592 | 592 | 628 | 751 | 804 | 859 | 878 | 897 | 891 | 871 | 861 | 869 |
| 1979 | 871 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 862 | 828 | 819 | 816 |
| 1980 | 822 | 825 | 833 | 850 | 849 | 865 | 881 | 893 | 888 | 873 | 866 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 806 | 762 | 762 |
| 1982 | 770 | 849 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 886 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 890 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 878 | 840 | 830 | 832 |
| 1985 | 836 | 850 | 860 | 866 | 874 | 871 | 886 | 872 | 849 | 804 | 754 | 736 |
| 1986 | 727 | 723 | 730 | 766 | 849 | 849 | 871 | 875 | 871 | 842 | 831 | 842 |
| 1987 | 844 | 850 | 846 | 847 | 858 | 867 | 855 | 845 | 817 | 756 | 717 | 712 |
| 1988 | 700 | 703 | 742 | 769 | 771 | 771 | 770 | 759 | 734 | 714 | 701 | 699 |
| 1989 | 692 | 711 | 721 | 728 | 732 | 844 | 870 | 860 | 843 | 796 | 779 | 777 |
| 1990 | 788 | 789 | 774 | 787 | 795 | 820 | 808 | 808 | 783 | 727 | 714 | 705 |
| 1991 | 687 | 678 | 660 | 657 | 645 | 700 | 722 | 737 | 721 | 699 | 693 | 692 |
| 1992 | 688 | 684 | 685 | 689 | 720 | 750 | 765 | 754 | 727 | 702 | 690 | 684 |
| 1993 | 676 | 670 | 689 | 757 | 809 | 861 | 894 | 900 | 881 | 876 | 875 | 875 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 872 | 866 | 844 | 802 | 754 | 749 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 20 | 24 | 24 | 20 |
| 32 | 9 | 3 | 22 | 61 | 95 | 92 | 114 |
| 126 | 139 | 150 | 172 | 191 | 200 | 206 | 17 |
| 83 | 64 | 57 | 75 | 107 | 118 | 120 | 1 |
| 44 | 13 | 26 | 47 | 88 | 101 | 119 | 1 |
| 37 | 10 | 0 | 0 | 35 | 46 | 48 | 1 |
| 51 | 22 | 37 | 58 | 112 | 163 | 170 | 1 |
| 154 | 151 | 148 | 156 | 174 | 185 | 191 | 1 |
| 52 | 29 | 26 | 45 | 86 | 124 | 128 | 1 |
| 111 | 124 | 137 | 160 | 180 | 191 | 198 | 1 |
| 126 | 120 | 95 | 123 | 147 | 158 | 164 | 1 |
| 160 | 157 | 142 | 148 | 164 | 175 | 183 | 1 |
| 122 | 130 | 140 | 164 | 190 | 200 | 214 | 1 |
| 136 | 48 | 38 | 52 | 76 | 86 | 106 | 1 |
| 40 | 14 | 3 | 13 | 53 | 72 | 76 | 1 |
| 55 | 30 | 17 | 40 | 66 | 79 | 84 | 1 |
| 51 | 18 | 0 | 1 | 4 | 13 | 1 | 2 |
| 67 | 78 | 87 | 122 | 187 | 244 | 250 | 1 |
| 52 | 21 | 17 | 33 | 71 | 80 | 91 | 1 |
| 45 | 14 | 0 | 10 | 14 | 13 | 1 | 3 |
| 33 | 18 | 0 | 15 | 18 | 18 | 1 | 2 |
| 41 | 13 | 7 | 8 | 40 | 51 | 50 | 1 |
| 32 | 21 | 5 | 25 | 65 | 103 | 109 | 1 |
| 35 | 20 | 4 | 23 | 63 | 87 | 92 | 1 |
| 32 | 13 | 8 | 30 | 69 | 112 | 115 | 1 |
| 55 | 45 | 50 | 68 | 123 | 169 | 176 | 1 |
| 117 | 57 | 28 | 22 | 56 | 73 | 79 | 1 |
| 57 | 38 | 34 | 56 | 104 | 141 | 145 | 1 |
| 51 | 19 | 0 | 14 | 52 | 80 | 81 | 1 |
| 30 | 14 | 0 | 11 | 52 | 81 | 80 | 1 |
| 38 | 6 | 0 | 0 | 1 | 13 | 1 | 4 |
| 33 | 17 | 0 | 0 | 30 | 31 | 30 | 1 |
| 47 | 17 | 37 | 53 | 100 | 147 | 147 | 1 |
| 101 | 92 | 78 | 106 | 170 | 194 | 197 | 1 |
| 36 | 8 | 0 | 0 | 27 | 30 | 26 | 1 |
| 37 | 37 | 19 | 34 | 73 | 105 | 100 | 1 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 | 1 |
| 33 | 29 | 26 | 47 | 93 | 143 | 139 | 1 |
| 47 | 47 | 41 | 60 | 100 | 112 | 118 | 1 |
| 59 | 60 | 54 | 74 | 128 | 173 | 177 | 1 |
| 77 | 56 | 57 | 72 | 132 | 155 | 176 | 1 |
| 42 | 24 | 0 | 7 | 43 | 55 | 54 | 1 |
| 26 | 20 | 16 | 33 | 74 | 121 | 148 | 1 |
| 30 | 13 | 19 | 16 | 46 | 52 | 51 | 1 |
| 26 | 6 | 18 | 38 | 79 | 128 | 133 | 1 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 | 1 |
| 34 | 37 | 33 | 52 | 99 | 136 | 139 | 1 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 | 1 |
| 26 | 31 | 29 | 43 | 82 | 113 | 111 | 1 |
| 26 | 7 | 0 | 0 | 29 | 47 | 45 | 1 |
| 26 | 16 | 14 | 33 | 74 | 119 | 118 | 1 |
| 40 | 18 | 0 | 31 | 71 | 90 | 94 | 1 |
| 51 | 17 | 0 | 0 | 11 | 12 | 14 | 1 |
| 48 | 19 | 0 | 0 | 23 | 24 | 23 | 1 |
| 26 | 29 | 38 | 60 | 106 | 141 | 141 | 1 |
| 202 | 226 | 234 | 262 | 286 | 294 | 297 | 1 |

STUDY: 1995C06F-SWRCB-468 DWRSIM: recirc818-f, 17 Jun 97
CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
Project: /1995C06F-SWRCB-468/ELEVATION/EOP//1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 466'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
If [DFMRE] <= 0', then 6, else
If [DFMRE] <= 5', then 5, else
If [DFMRE] <= 10', then 4, else
If [DFMRE] <= 15', then 3, else
If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
If [fluctuation] >= 0', then 6, else
If [fluctuation] >= -5', then 5, else
If [fluctuation] >= -10', then 4, else
If [fluctuation] >= -15', then 3, else
If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | Product | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|---|---|---|---|---|---|----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 | 38 | 23 | 0 | 0 | 3 | 17 | 32 | 1 | 1 | 6 | 6 | 5 | 2 | 1 | 12 | 4 | 15 | 23 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 770 | |
| 1923 | 425 | 423 | 424 | 424 | 419 | 420 | 449 | 466 | 466 | 451 | 431 | 424 | 422 | 46 | 17 | 0 | 15 | 35 | 42 | 44 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 22 | 1 | 29 | 17 | -15 | -20 | -7 | -2 | 6 | 6 | 6 | 3 | 2 | 4 | 5 | 32 | 448 |
| 1924 | 416 | 408 | 398 | 386 | 384 | 365 | 367 | 367 | 334 | 334 | 337 | 334 | 101 | 99 | 99 | 132 | 132 | 129 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -19 | 2 | 0 | -33 | 0 | 3 | -3 | 2 | 6 | 6 | 1 | 6 | 6 | 5 | 3 | 30 | 224 |
| 1925 | 347 | 361 | 379 | 389 | 424 | 437 | 449 | 466 | 449 | 433 | 421 | 418 | 29 | 17 | 0 | 17 | 33 | 45 | 48 | 1 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 13 | 12 | 17 | -16 | -12 | -3 | -3 | 6 | 6 | 6 | 2 | 2 | 3 | 5 | 30 | 420 |
| 1926 | 413 | 406 | 401 | 392 | 412 | 413 | 444 | 442 | 416 | 374 | 335 | 348 | 53 | 22 | 24 | 50 | 92 | 131 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 31 | -2 | -26 | -42 | -39 | 13 | 6 | 6 | 5 | 1 | 1 | 1 | 6 | 26 | 182 | |
| 1927 | 356 | 398 | 419 | 424 | 424 | 437 | 449 | 466 | 461 | 456 | 449 | 434 | 29 | 17 | 0 | 5 | 10 | 17 | 32 | 1 | 1 | 2 | 6 | 4 | 3 | 2 | 1 | 19 | 13 | 12 | 17 | -5 | -5 | -7 | -15 | 6 | 6 | 6 | 5 | 5 | 4 | 3 | 35 | 665 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 441 | 416 | 406 | 407 | 29 | 17 | 13 | 25 | 50 | 60 | 59 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 10 | 13 | 12 | 4 | -12 | -25 | -10 | 1 | 6 | 6 | 6 | 3 | 1 | 4 | 6 | 32 | 320 |
| 1929 | 400 | 393 | 389 | 377 | 375 | 374 | 388 | 394 | 374 | 335 | 347 | 351 | 92 | 78 | 72 | 92 | 131 | 119 | 115 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 14 | 6 | -20 | -39 | 12 | 4 | 5 | 6 | 6 | 2 | 1 | 6 | 6 | 32 | 224 | |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 415 | 380 | 334 | 335 | 29 | 23 | 24 | 51 | 86 | 132 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 6 | -1 | -27 | -35 | -46 | 1 | 6 | 6 | 5 | 1 | 1 | 1 | 6 | 26 | 182 | |
| 1931 | 334 | 349 | 362 | 376 | 385 | 399 | 393 | 390 | 335 | 334 | 334 | 334 | 67 | 73 | 76 | 131 | 132 | 132 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | -6 | -3 | -55 | -1 | 0 | 0 | 6 | 4 | 5 | 1 | 5 | 6 | 6 | 33 | 231 | |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 441 | 457 | 443 | 402 | 372 | 376 | 30 | 25 | 9 | 23 | 64 | 94 | 90 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 10 | 12 | 5 | 16 | -14 | -41 | -30 | 4 | 6 | 6 | 6 | 3 | 1 | 1 | 6 | 29 | 210 | |
| 1933 | 352 | 334 | 355 | 366 | 369 | 382 | 344 | 370 | 336 | 334 | 345 | 340 | 84 | 122 | 96 | 130 | 132 | 121 | 126 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | -38 | 26 | -34 | -2 | 11 | -5 | 6 | 1 | 6 | 1 | 5 | 6 | 5 | 30 | 290 | |
| 1934 | 334 | 335 | 375 | 402 | 420 | 425 | 417 | 412 | 334 | 324 | 313 | 326 | 41 | 49 | 54 | 132 | 142 | 153 | 140 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -8 | -5 | -78 | -10 | -11 | 13 | 6 | 4 | 5 | 1 | 4 | 3 | 6 | 29 | 203 | |
| 1935 | 334 | 361 | 378 | 402 | 418 | 421 | 449 | 452 | 452 | 432 | 417 | 411 | 45 | 17 | 14 | 14 | 34 | 49 | 55 | 1 | 2 | 3 | 3 | 1 | 1 | 1 | 12 | 3 | 28 | 3 | 0 | -20 | -15 | -6 | 6 | 6 | 6 | 5 | 2 | 3 | 4 | 33 | 396 | |
| 1936 | 407 | 403 | 401 | 424 | 424 | 437 | 449 | 461 | 456 | 448 | 441 | 434 | 29 | 17 | 5 | 10 | 18 | 25 | 32 | 1 | 2 | 4 | 3 | 2 | 1 | 1 | 14 | 13 | 12 | 12 | -5 | -8 | -7 | -7 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 35 | 490 | |
| 1937 | 425 | 417 | 411 | 404 | 424 | 437 | 449 | 466 | 454 | 441 | 433 | 430 | 29 | 17 | 0 | 12 | 25 | 33 | 36 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 13 | 12 | 17 | -12 | -13 | -8 | -3 | 6 | 6 | 6 | 3 | 3 | 4 | 5 | 33 | 495 | |
| 1938 | 422 | 419 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 | 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 13 | 12 | 17 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 805 | |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 390 | 334 | 334 | 335 | 57 | 51 | 48 | 76 | 132 | 132 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 6 | 3 | -28 | -56 | 0 | 1 | 6 | 6 | 6 | 1 | 1 | 6 | 6 | 32 | 224 | |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 448 | 431 | 424 | 425 | 29 | 17 | 5 | 18 | 35 | 42 | 41 | 1 | 2 | 4 | 2 | 1 | 1 | 1 | 12 | 13 | 12 | 12 | -13 | -17 | -7 | 1 | 6 | 6 | 6 | 3 | 2 | 4 | 6 | 33 | 396 | |
| 1941 | 420 | 416 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 | 29 | 17 | 0 | 8 | 11 | 17 | 32 | 1 | 2 | 6 | 4 | 3 | 2 | 1 | 19 | 13 | 12 | 17 | -8 | -3 | -6 | -15 | 6 | 6 | 6 | 4 | 5 | 4 | 3 | 34 | 646 | |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 449 | 434 | 36 | 17 | 0 | 0 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 6 | 19 | 17 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 805 | |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 446 | 442 | 434 | 32 | 17 | 7 | 15 | 20 | 24 | 32 | 1 | 2 | 4 | 2 | 1 | 1 | 1 | 12 | 12 | 15 | 10 | -8 | -5 | -4 | -8 | 6 | 6 | 6 | 4 | 5 | 5 | 4 | 36 | 432 | |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 413 | 392 | 377 | 372 | 47 | 46 | 33 | 53 | 74 | 89 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 1 | 13 | -20 | -21 | -15 | -5 | 6 | 6 | 6 | 2 | 1 | 3 | 5 | 29 | 203 | |
| 1945 | 365 | 394 | 413 | 424 | 424 | 437 | 449 | 466 | 455 | 444 | 438 | 434 | 29 | 17 | 0 | 11 | 22 | 28 | 32 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 13 | 12 | 17 | -11 | -11 | -6 | -4 | 6 | 6 | 6 | 3 | 3 | 4 | 5 | 33 | 495 | |
| 1946 | 427 | 424 | 424 | 424 | 423 | 437 | 449 | 466 | 451 | 438 | 431 | 430 | 29 | 17 | 0 | 15 | 28 | 35 | 36 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 14 | 12 | 17 | -15 | -13 | -7 | -1 | 6 | 6 | 6 | 3 | 3 | 4 | 5 | 33 | 462 | |
| 1947 | 421 | 422 | 421 | 412 | 414 | 431 | 440 | 443 | 416 | 385 | 357 | 360 | 35 | 26 | 23 | 50 | 81 | 109 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 9 | 3 | -27 | -31 | -28 | 3 | 6 | 6 | 6 | 1 | 1 | 1 | 6 | 27 | 189 | |
| 1948 | 377 | 389 | 395 | 415 | 411 | 407 | 442 | 462 | 459 | 453 | 448 | 434 | 59 | 24 | 4 | 7 | 13 | 18 | 32 | 1 | 1 | 5 | 4 | 3 | 2 | 1 | 17 | -4 | -35 | 20 | -3 | -6 | -5 | -14 | 5 | 6 | 6 | 5 | 4 | 5 | 3 | 34 | 578 | |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 443 | 459 | 442 | 426 | 417 | 416 | 44 | 23 | 7 | 24 | 40 | 49 | 50 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 10 | 22 | 21 | 16 | -17 | -16 | -9 | -1 | 6 | 6 | 6 | 2 | 2 | 4 | 5 | 31 | 310 | |
| 1950 | 410 | 404 | 395 | 421 | 424 | 437 | 449 | 466 | 455 | 443 | 439 | 434 | 29 | 17 | 0 | 11 | 23 | 27 | 32 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 13 | 12 | 17 | -11 | -12 | -4 | -5 | 6 | 6 | 6 | 3 | 3 | 5 | 5 | 34 | 510 | |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 436 | 430 | 431 | 40 | 17 | 0 | 16 | 30 | 36 | 35 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 38 | 23 | 17 | -16 | -14 | -6 | 1 | 6 | 6 | 6 | 2 | 3 | 4 | 6 | 33 | 462 | |
| 1952 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 | 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 13 | 12 | 17 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 805 | |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 449 | 434 | 36 | 20 | 8 | 2 | 3 | 17 | 32 | 1 | 1 | 4 | 5 | 5 | 2 | 1 | 19 | 6 | 16 | 12 | 6 | -1 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 665 | |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 441 | 422 | 417 | 420 | 29 | 17 | 14 | 25 | 44 | 49 | 46 | 1 | 2 | 3 | 3 | 1 | 1 | 1 | 10 | 13 | 12 | 3 | -11 | -19 | -5 | 3 | 6 | 6 | 6 | 3 | 2 | 5 | 6 | 34 | 340 | |
| 1955 | 414 | 408 | 411 | 417 | 418 | 413 | 424 | 434 | 417 | 394 | 378 | 376 | 53 | 42 | 32 | 49 | 72 | 88 | 90 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 7 | -5 | 11 | 10 | -17 | -23 | -16 | -2 | 5 | 6 | 6 | 2 | 1 | 2 | 5 | 27 | 189 | |
| 1956 | 361 | 363 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 | 41 | 25 | 0 | 0 | 3 | 17 | 32 | 1 | 1 | 6 | 6 | 5 | 2 | 1 | 22 | 19 | 16 | 25 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 770 | |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 443 | 459 | 448 | 436 | 429 | 428 | 29 | 33 | 7 | 18 | 30 | 37 | 38 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 11 | 13 | -4 | -26 | -11 | -12 | -7 | -1 | 6 | 5 | 6 | 3 | 3 | 4 | 5 | 32 | 352 | |
| 1958 | 421 | 416 | 417 | 422 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 | 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 13 | 12 | 17 | 0 | -3 | -14 | -15 | 6 | | | | | | | | | |

Flow Alternative 2

STUDY: 1995C06F-SWRCB-468 DWRSIM: 8.18, 27 Nov 96
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-468/10/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 1088'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|---|-----|-----|-----|
| 1922 | 939 | 942 | 948 | 953 | 968 | 977 | 973 | 989 | 1012 | 1003 | 991 | 981 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -4 | 16 | 23 | -9 | -12 | -10 | 6 | 5 | 6 | 6 | 4 | 3 | 4 | 34 | 238 | |
| 1923 | 980 | 983 | 993 | 1001 | 1008 | 1007 | 1004 | 1008 | 1008 | 999 | 984 | 975 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -3 | 4 | 0 | -9 | -15 | -9 | 5 | 5 | 6 | 6 | 4 | 3 | 4 | 33 | 231 | |
| 1924 | 974 | 976 | 980 | 984 | 987 | 988 | 978 | 964 | 951 | 939 | 927 | 923 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -10 | -14 | -13 | -12 | -12 | -4 | 6 | 4 | 3 | 3 | 3 | 3 | 5 | 27 | 189 | |
| 1925 | 919 | 921 | 925 | 928 | 947 | 958 | 958 | 970 | 973 | 965 | 951 | 944 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 0 | 12 | 3 | -8 | -14 | -7 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 | |
| 1926 | 942 | 943 | 946 | 948 | 958 | 960 | 959 | 944 | 930 | 913 | 891 | 879 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -1 | -15 | -14 | -17 | -22 | -12 | 6 | 5 | 3 | 3 | 2 | 1 | 3 | 23 | 161 | |
| 1927 | 876 | 881 | 894 | 905 | 929 | 940 | 947 | 952 | 952 | 941 | 928 | 922 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 7 | 5 | 0 | -11 | -13 | -6 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | |
| 1928 | 923 | 929 | 934 | 938 | 946 | 969 | 972 | 974 | 966 | 955 | 943 | 936 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 23 | 3 | 2 | -8 | -11 | -12 | -7 | 6 | 6 | 6 | 4 | 3 | 3 | 4 | 32 | 224 | |
| 1929 | 933 | 935 | 938 | 941 | 944 | 946 | 941 | 936 | 929 | 919 | 904 | 894 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -5 | -5 | -7 | -10 | -15 | -10 | 6 | 5 | 5 | 4 | 4 | 3 | 4 | 31 | 217 | |
| 1930 | 890 | 892 | 897 | 902 | 912 | 923 | 921 | 911 | 909 | 894 | 877 | 864 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | -2 | -10 | -2 | -15 | -17 | -13 | 6 | 5 | 4 | 5 | 3 | 2 | 3 | 28 | 196 | |
| 1931 | 865 | 870 | 874 | 878 | 882 | 886 | 873 | 852 | 839 | 827 | 813 | 801 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | -13 | -21 | -13 | -12 | -14 | -12 | 6 | 3 | 1 | 3 | 3 | 3 | 3 | 22 | 154 | |
| 1932 | 800 | 805 | 817 | 826 | 849 | 859 | 860 | 882 | 907 | 900 | 885 | 873 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 10 | 1 | 22 | 25 | -7 | -15 | -12 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 238 | |
| 1933 | 874 | 876 | 882 | 887 | 891 | 894 | 880 | 864 | 860 | 844 | 828 | 815 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -14 | -16 | -4 | -16 | -16 | -13 | 6 | 3 | 2 | 5 | 2 | 2 | 3 | 23 | 163 | |
| 1934 | 811 | 815 | 821 | 827 | 836 | 846 | 835 | 814 | 793 | 770 | 735 | 715 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 10 | -11 | -21 | -21 | -23 | -35 | -20 | 6 | 3 | 1 | 1 | 1 | 1 | 2 | 15 | 105 | |
| 1935 | 715 | 719 | 730 | 752 | 767 | 783 | 811 | 854 | 875 | 860 | 841 | 828 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 28 | 43 | 21 | -15 | -19 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | |
| 1936 | 828 | 832 | 838 | 855 | 891 | 909 | 925 | 943 | 951 | 941 | 928 | 921 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 18 | 16 | 18 | 8 | -10 | -13 | -7 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 | |
| 1937 | 921 | 924 | 927 | 932 | 945 | 959 | 960 | 987 | 992 | 981 | 968 | 961 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 1 | 27 | 5 | -11 | -13 | -7 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | |
| 1938 | 961 | 964 | 977 | 989 | 1008 | 1029 | 1038 | 1066 | 1087 | 1083 | 1073 | 1068 | 1 | 1 | 1 | 1 | 1 | 5 | 4 | 2 | 15 | 21 | 9 | 28 | 21 | -4 | -10 | -5 | 6 | 6 | 6 | 6 | 5 | 4 | 5 | 38 | 570 | |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -2 | -12 | -13 | -13 | -13 | -7 | 6 | 5 | 3 | 3 | 3 | 3 | 4 | 27 | 189 | |
| 1940 | 988 | 989 | 991 | 1003 | 1018 | 1035 | 1044 | 1055 | 1046 | 1033 | 1021 | 1013 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 9 | 11 | -9 | -13 | -12 | -8 | 6 | 6 | 6 | 4 | 3 | 3 | 4 | 32 | 224 | |
| 1941 | 1013 | 1015 | 1020 | 1027 | 1037 | 1047 | 1043 | 1058 | 1064 | 1058 | 1047 | 1040 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 51 | 41 | 45 | 30 | 24 | 30 | 41 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 238 | |
| 1942 | 1038 | 1039 | 1045 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 | 1 | 1 | 1 | 1 | 1 | 4 | 3 | 1 | 12 | 38 | 33 | 33 | 21 | 7 | 10 | 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 444 | |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1059 | 1048 | 1041 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 38 | 33 | 27 | 20 | 21 | 29 | 40 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 434 | |
| 1944 | 1039 | 1040 | 1042 | 1043 | 1046 | 1050 | 1045 | 1041 | 1034 | 1021 | 1008 | 1000 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 42 | 38 | 43 | 47 | 54 | 67 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 30 | 210 |
| 1945 | 998 | 1003 | 1007 | 1012 | 1026 | 1035 | 1035 | 1048 | 1054 | 1045 | 1033 | 1026 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 62 | 53 | 53 | 40 | 34 | 43 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 245 | |
| 1946 | 1025 | 1030 | 1040 | 1048 | 1050 | 1054 | 1052 | 1060 | 1057 | 1046 | 1034 | 1027 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 38 | 34 | 36 | 28 | 31 | 42 | 54 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 214 | |
| 1947 | 1026 | 1029 | 1031 | 1033 | 1037 | 1040 | 1028 | 1019 | 1010 | 999 | 988 | 981 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 51 | 48 | 60 | 69 | 78 | 89 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 189 | |
| 1948 | 978 | 980 | 982 | 984 | 985 | 989 | 987 | 988 | 996 | 986 | 974 | 967 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 103 | 99 | 101 | 100 | 102 | 114 | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 238 | | |
| 1949 | 964 | 966 | 970 | 972 | 976 | 982 | 974 | 976 | 970 | 957 | 944 | 937 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 112 | 106 | 114 | 112 | 118 | 131 | 144 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 210 | |
| 1950 | 933 | 933 | 936 | 944 | 954 | 963 | 959 | 966 | 971 | 960 | 947 | 940 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 134 | 125 | 129 | 122 | 117 | 128 | 141 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 231 | |
| 1951 | 936 | 973 | 1017 | 1029 | 1040 | 1051 | 1043 | 1035 | 1027 | 1014 | 1001 | 994 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 48 | 37 | 45 | 53 | 61 | 74 | 87 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 196 | |
| 1952 | 992 | 995 | 1002 | 1016 | 1027 | 1040 | 1043 | 1073 | 1088 | 1086 | 1076 | 1070 | 1 | 1 | 1 | 1 | 2 | 6 | 5 | 3 | 19 | 13 | 3 | 30 | 15 | -2 | -10 | -6 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 37 | 703 | |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1037 | 1028 | 1016 | 1008 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 38 | 34 | 42 | 52 | 51 | 60 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 217 | |
| 1954 | 1005 | 1007 | 1010 | 1013 | 1015 | 1023 | 1025 | 1028 | 1018 | 1005 | 992 | 982 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 73 | 65 | 63 | 60 | 70 | 83 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 224 | |
| 1955 | 978 | 981 | 985 | 991 | 991 | 991 | 982 | 975 | 971 | 957 | 944 | 936 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 97 | 97 | 106 | 113 | 117 | 131 | 144 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 203 | |
| 1956 | 933 | 936 | 968 | 1000 | 1014 | 1024 | 1014 | 1033 | 1045 | 1038 | 1026 | 1019 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 74 | 64 | 74 | 55 | 43 | 50 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 231 | |
| 1957 | 1018 | 1020 | 1023 | 1026 | 1032 | 1039 | 1027 | 1023 | 1022 | 1009 | 997 | 987 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 56 | 49 | 61 | 65 | 66 | 79 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 293 | |
| 1958 | 981 | 984 | 987 | 995 | 1003 | 1018 | 1025 | 1055 | 1069 | 1064 | 1054 | 1047 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 8 | 85 | 70 | 63 | 33 | 19 | 24 | 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 206 | |
| 1959 | 1045 | 1047 | 1049 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 38 | 35 | 42 | 58 | 70 | 83 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 175 | |
| 1960 | 978 | 980 | 983 | 986 | 993 | 999 | 996 | 990 | 979 | 965 | 952 | 942 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 95 | 89 | 92 | 98 | 109 | 123 | 136 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 196 | |
| 1961 | 935 | 938 | 942 | 945 | 947 | 950 | 944 | 934 | 922 | 904 | 886 | 875 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 141 | 138 | 144 | 154 | 166 | 184 | 202 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 163 | |
| 1962 | 875 | 878 | 882 | 885 | 902 | 912 | 915 | 912 | 916 | 900 | 879 | 865 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 186 | 176 | 173 | 176 | 172 | 188 | 209 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 208 | |
| 1963 | 860 | 865 | 871 | 885 | 914 | 916 | 918 | 942 | 947 | 939 | 927 | 920 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 174 | 172 | 170 | 146 | 141 | 149 | 161 | | | | | | | | | | |

STUDY: 1995C06F-SWRBC-468 DWRSIM: 8.18, 27 Nov 96
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRBC-468/81/ELEVATION-EOP/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 599 | 582 | 579 | 601 | 656 | 690 | 699 | 724 | 782 | 779 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 761 | 776 | 784 | 789 | 792 | 801 | 795 | 780 | 770 |
| 1924 | 764 | 762 | 757 | 755 | 756 | 754 | 749 | 744 | 735 | 723 | 709 | 701 |
| 1925 | 698 | 698 | 699 | 703 | 725 | 741 | 754 | 767 | 785 | 776 | 760 | 749 |
| 1926 | 743 | 741 | 736 | 735 | 744 | 749 | 763 | 776 | 774 | 759 | 744 | 735 |
| 1927 | 730 | 729 | 733 | 740 | 768 | 783 | 794 | 795 | 814 | 806 | 792 | 782 |
| 1928 | 776 | 776 | 776 | 779 | 787 | 800 | 802 | 819 | 819 | 805 | 790 | 780 |
| 1929 | 774 | 769 | 765 | 764 | 768 | 769 | 769 | 773 | 780 | 771 | 762 | 754 |
| 1930 | 752 | 749 | 746 | 746 | 752 | 759 | 761 | 764 | 777 | 769 | 760 | 753 |
| 1931 | 751 | 750 | 749 | 751 | 754 | 753 | 746 | 737 | 726 | 712 | 699 | 692 |
| 1932 | 689 | 685 | 695 | 710 | 745 | 760 | 761 | 768 | 786 | 781 | 766 | 756 |
| 1933 | 749 | 742 | 737 | 736 | 742 | 745 | 743 | 740 | 757 | 746 | 732 | 722 |
| 1934 | 715 | 713 | 711 | 714 | 725 | 732 | 731 | 727 | 724 | 708 | 693 | 685 |
| 1935 | 681 | 680 | 681 | 693 | 713 | 728 | 749 | 759 | 786 | 774 | 759 | 747 |
| 1936 | 740 | 738 | 733 | 738 | 776 | 792 | 801 | 819 | 832 | 823 | 808 | 798 |
| 1937 | 792 | 786 | 782 | 785 | 800 | 800 | 802 | 815 | 832 | 815 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 774 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 739 | 740 | 740 | 736 | 745 | 770 | 760 | 742 | 732 |
| 1949 | 726 | 720 | 714 | 713 | 720 | 731 | 738 | 748 | 756 | 738 | 719 | 706 |
| 1950 | 700 | 693 | 687 | 693 | 712 | 725 | 733 | 746 | 762 | 747 | 729 | 717 |
| 1951 | 711 | 759 | 800 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 770 | 768 | 774 | 781 | 784 | 781 | 785 | 791 | 779 | 767 | 760 |
| 1956 | 755 | 751 | 800 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 784 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 761 | 758 | 755 | 763 | 769 | 770 | 776 | 779 | 768 | 759 | 753 | 743 |
| 1961 | 750 | 748 | 748 | 749 | 752 | 751 | 745 | 737 | 730 | 717 | 705 | 698 |
| 1962 | 695 | 692 | 691 | 692 | 716 | 736 | 746 | 751 | 776 | 768 | 755 | 744 |
| 1963 | 739 | 734 | 731 | 735 | 761 | 773 | 781 | 794 | 819 | 815 | 801 | 792 |
| 1964 | 787 | 788 | 789 | 793 | 800 | 800 | 797 | 795 | 797 | 786 | 775 | 768 |
| 1965 | 766 | 767 | 798 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 745 | 755 | 771 | 789 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 799 | 796 | 784 | 773 | 767 |
| 1973 | 764 | 762 | 765 | 776 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 787 | 777 | 767 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 702 | 687 | 672 | 663 |
| 1978 | 659 | 655 | 658 | 684 | 717 | 749 | 762 | 777 | 814 | 822 | 808 | 803 |
| 1979 | 798 | 794 | 791 | 800 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 789 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 750 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 709 | 722 | 734 | 748 | 756 | 744 | 734 | 728 |
| 1990 | 727 | 726 | 726 | 728 | 732 | 734 | 732 | 730 | 728 | 714 | 700 | 692 |
| 1991 | 689 | 686 | 682 | 681 | 681 | 688 | 687 | 703 | 714 | 704 | 694 | 688 |
| 1992 | 687 | 687 | 687 | 689 | 698 | 703 | 706 | 714 | 713 | 699 | 685 | 675 |
| 1993 | 669 | 663 | 663 | 696 | 692 | 756 | 763 | 777 | 808 | 806 | 792 | 783 |
| 1994 | 777 | 771 | 767 | 766 | 769 | 772 | 770 | 773 | 772 | 762 | 752 | 746 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from
 Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | Product |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 142 | 133 | 108 | 50 | 53 | 69 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 9 | 25 | 58 | -3 | -16 | -11 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 | | | | | | | | | | | | | |
| 48 | 43 | 40 | 31 | 27 | 42 | 52 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 5 | 3 | 9 | -6 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 | | | | | | | | | | | | | |
| 78 | 83 | 88 | 97 | 109 | 123 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -5 | -5 | -9 | -12 | -14 | -8 | 5 | 5 | 5 | 4 | 3 | 3 | 4 | 29 | 203 | | | | | | | | | | | | | |
| 91 | 78 | 65 | 47 | 56 | 72 | 83 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 13 | 13 | 18 | -9 | -16 | -11 | 6 | 6 | 6 | 6 | 4 | 2 | 3 | 33 | 231 | | | | | | | | | | | | | |
| 83 | 69 | 56 | 58 | 73 | 88 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 14 | 13 | -2 | -15 | -15 | -9 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 | | | | | | | | | | | | | |
| 49 | 38 | 37 | 18 | 26 | 40 | 50 | 1 | 1 | 1 | 2 | 1 | 1 | 8 | 15 | 11 | 1 | 19 | -8 | -14 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 280 | | | | | | | | | | | | | |
| 32 | 30 | 13 | 13 | 27 | 42 | 52 | 1 | 1 | 3 | 3 | 1 | 1 | 11 | 13 | 2 | 17 | 0 | -14 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 | | | | | | | | | | | | | |
| 63 | 63 | 59 | 52 | 61 | 70 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 0 | 4 | 7 | -9 | -9 | -8 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 | | | | | | | | | | | | | |
| 73 | 71 | 68 | 55 | 63 | 72 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 2 | 3 | 13 | -8 | -9 | -7 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 282 | | | | | | | | | | | | | |
| 79 | 86 | 95 | 106 | 120 | 133 | 140 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | -7 | -9 | -11 | -14 | -13 | -7 | 5 | 4 | 4 | 3 | 3 | 3 | 4 | 26 | 152 | | | | | | | | | | | | | |
| 72 | 71 | 64 | 46 | 51 | 66 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 1 | 7 | 18 | -5 | -15 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 252 | | | | | | | | | | | | | |
| 87 | 89 | 92 | 75 | 86 | 100 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -2 | -3 | 17 | -11 | -14 | -10 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 | | | | | | | | | | | | | |
| 100 | 101 | 105 | 108 | 124 | 139 | 147 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | -1 | -4 | -3 | -16 | -15 | -8 | 6 | 5 | 5 | 5 | 2 | 3 | 4 | 30 | 210 | | | | | | | | | | | | | |
| 104 | 83 | 73 | 46 | 58 | 73 | 85 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 21 | 10 | 27 | -12 | -15 | -12 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 231 | | | | | | | | | | | | | |
| 40 | 31 | 13 | 0 | 9 | 24 | 34 | 1 | 1 | 3 | 6 | 4 | 1 | 17 | 16 | 9 | 18 | 13 | -9 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 595 | | | | | | | | | | | | | |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 15 | 0 | 2 | 13 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 5 | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-468 DWRSIM: 8.18, 27 Nov 96
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION (FT)
 Project : /1995C06F-SWRCB-468/20/ELEVATION/EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 867'

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from
 Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else 1
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|------|-----|
| 1922 | 680 | 680 | 696 | 712 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 | 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 | 1 | 1 | 6 | 4 | 1 | 1 | 15 | 20 | 10 | 56 | 22 | -7 | -14 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 525 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 | 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 13 | 5 | 14 | 27 | 5 | -9 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 455 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 811 | 799 | 781 | 768 | 758 | 60 | 58 | 56 | 68 | 86 | 99 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 2 | -2 | -12 | -18 | -13 | -10 | 5 | 6 | 6 | 3 | 2 | 3 | 4 | 29 | 203 |
| 1925 | 758 | 763 | 768 | 772 | 796 | 805 | 824 | 847 | 851 | 839 | 824 | 812 | 62 | 43 | 20 | 16 | 28 | 43 | 55 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 | 9 | 19 | 23 | 4 | -12 | -15 | -12 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 264 |
| 1926 | 808 | 808 | 808 | 808 | 808 | 814 | 834 | 832 | 831 | 827 | 820 | 812 | 53 | 33 | 35 | 36 | 40 | 47 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 6 | 20 | -2 | -1 | -4 | -7 | -8 | 6 | 6 | 5 | 5 | 5 | 4 | 3 | 35 | 245 |
| 1927 | 808 | 808 | 808 | 808 | 808 | 815 | 818 | 849 | 860 | 856 | 852 | 840 | 52 | 49 | 18 | 7 | 11 | 15 | 27 | 1 | 1 | 2 | 4 | 3 | 2 | 1 | 14 | 7 | 3 | 31 | 11 | -4 | -4 | -12 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | 37 | 518 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 822 | 815 | 811 | 807 | 58 | 59 | 43 | 45 | 52 | 56 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -1 | 16 | -2 | -7 | -4 | -4 | 6 | 5 | 6 | 5 | 4 | 5 | 5 | 36 | 252 |
| 1929 | 807 | 806 | 806 | 805 | 807 | 809 | 810 | 814 | 814 | 816 | 819 | 813 | 58 | 57 | 53 | 53 | 51 | 48 | 54 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 1 | 4 | 0 | 2 | 3 | -6 | 6 | 6 | 6 | 6 | 6 | 4 | 40 | 280 | |
| 1930 | 808 | 807 | 807 | 807 | 806 | 802 | 806 | 808 | 812 | 815 | 819 | 816 | 65 | 61 | 59 | 55 | 52 | 48 | 51 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 4 | 2 | 4 | 3 | 4 | -3 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 40 | 280 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 810 | 813 | 801 | 784 | 770 | 761 | 59 | 57 | 54 | 66 | 83 | 97 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 3 | -12 | -17 | -14 | -9 | 6 | 6 | 6 | 3 | 2 | 3 | 4 | 30 | 210 |
| 1932 | 760 | 760 | 778 | 789 | 808 | 817 | 826 | 852 | 867 | 857 | 843 | 832 | 50 | 41 | 15 | 0 | 10 | 24 | 35 | 1 | 1 | 2 | 6 | 3 | 1 | 1 | 15 | 9 | 9 | 26 | 15 | -10 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 510 |
| 1933 | 808 | 807 | 806 | 806 | 808 | 811 | 816 | 825 | 839 | 827 | 813 | 805 | 56 | 51 | 42 | 28 | 40 | 54 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 5 | 9 | 14 | -12 | -14 | -8 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 |
| 1934 | 803 | 802 | 805 | 808 | 808 | 816 | 823 | 818 | 809 | 793 | 780 | 770 | 51 | 44 | 49 | 58 | 74 | 87 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 7 | -5 | -9 | -16 | -13 | -10 | 6 | 6 | 5 | 4 | 2 | 3 | 4 | 30 | 210 |
| 1935 | 769 | 773 | 778 | 796 | 806 | 816 | 840 | 859 | 867 | 854 | 839 | 828 | 51 | 27 | 8 | 0 | 13 | 28 | 39 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 10 | 24 | 19 | 8 | -13 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 | 47 | 27 | 8 | 2 | 14 | 29 | 40 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 6 | -12 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 | 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 12 | 14 | 25 | 8 | -14 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 | 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 22 | 12 | 20 | 19 | 8 | 0 | -12 | -15 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 36 | 792 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 | 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 15 | 1 | -11 | -18 | -16 | -11 | 6 | 6 | 6 | 3 | 2 | 2 | 3 | 28 | 196 |
| 1940 | 778 | 779 | 780 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 | 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 13 | 12 | 17 | 22 | 2 | -16 | -16 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 403 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 | 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 14 | 25 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 | 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 12 | 18 | 21 | 8 | -7 | -9 | -11 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | 35 | 665 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 | 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 5 | -11 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 544 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 | 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -2 | 23 | 2 | -13 | -17 | -14 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 31 | 217 |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 | 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 | 1 | 3 | 6 | 3 | 1 | 1 | 16 | 12 | 13 | 23 | 11 | -11 | -14 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 | 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 12 | 10 | 19 | 22 | -2 | -15 | -16 | -13 | 6 | 6 | 6 | 5 | 3 | 2 | 3 | 31 | 372 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 | 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 8 | 13 | -6 | -16 | -15 | -8 | 6 | 6 | 6 | 4 | 2 | 3 | 4 | 31 | 217 |
| 1948 | 790 | 791 | 792 | 794 | 795 | 795 | 799 | 823 | 839 | 825 | 807 | 794 | 72 | 68 | 44 | 28 | 42 | 60 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 4 | 24 | 16 | -14 | -18 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 |
| 1949 | 791 | 791 | 792 | 793 | 796 | 804 | 815 | 836 | 835 | 816 | 797 | 782 | 63 | 52 | 31 | 32 | 51 | 60 | 85 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 11 | 21 | -1 | -19 | -19 | -15 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 |
| 1950 | 779 | 779 | 779 | 786 | 798 | 801 | 818 | 838 | 839 | 822 | 803 | 789 | 66 | 49 | 29 | 28 | 45 | 64 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 17 | 20 | 1 | -17 | -19 | -14 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 |
| 1951 | 786 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 | 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 8 | 10 | -3 | -18 | -20 | -15 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 | 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 20 | 19 | 8 | -3 | -12 | -12 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 700 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 | 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 6 | 1 | 7 | -14 | -19 | -15 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32</ | |

STUDY: 1995C06F-SWRCB-468 DWRSIM: 8.18, 27 Nov 96
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-468/18/ELEVATION-EOP/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|---|----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 | 10 | 17 | 0 | 0 | 14 | 58 | 85 | 3 | 2 | 6 | 6 | 3 | 1 | 1 | 22 | 17 | -7 | 17 | 0 | -14 | -44 | -27 | 6 | 4 | 6 | 6 | 3 | 1 | 1 | 27 | 594 | |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 | 59 | 35 | 27 | 36 | 50 | 113 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -14 | 24 | 8 | -9 | -14 | -63 | 7 | 3 | 6 | 6 | 4 | 3 | 1 | 6 | 29 | 203 | |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 | 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -13 | 3 | 5 | -6 | -27 | -14 | 4 | 3 | 6 | 6 | 4 | 1 | 3 | 6 | 29 | 203 | |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 | 83 | 62 | 44 | 54 | 77 | 93 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -15 | 21 | 18 | -10 | -23 | -16 | -8 | 3 | 6 | 6 | 4 | 1 | 2 | 4 | 26 | 182 | |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 | 68 | 27 | 13 | 41 | 82 | 103 | 91 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 | -14 | 41 | 14 | -28 | -41 | -21 | 12 | 3 | 6 | 6 | 1 | 1 | 1 | 6 | 24 | 216 | |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 | 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 | 2 | 4 | 6 | 1 | 1 | 1 | 17 | 1 | -1 | 9 | 7 | -33 | -51 | -10 | 6 | 5 | 6 | 6 | 1 | 1 | 4 | 29 | 493 | |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 | 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 8 | 3 | -32 | -45 | -12 | 12 | 6 | 6 | 6 | 1 | 1 | 3 | 6 | 29 | 203 | |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 | 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 18 | 0 | -4 | -21 | -40 | 11 | 5 | 6 | 6 | 5 | 1 | 1 | 6 | 30 | 210 | |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 | 66 | 51 | 42 | 58 | 87 | 110 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 15 | 9 | -16 | -29 | -23 | 16 | 5 | 6 | 6 | 2 | 1 | 1 | 6 | 27 | 189 | |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 | 68 | 66 | 60 | 68 | 94 | 110 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -9 | 2 | 6 | 8 | -26 | -16 | 0 | 4 | 6 | 6 | 4 | 1 | 2 | 6 | 29 | 203 | |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 | 45 | 52 | 44 | 24 | 58 | 84 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -12 | -7 | 8 | 20 | -34 | -26 | -15 | 3 | 4 | 6 | 6 | 1 | 1 | 3 | 24 | 168 | |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 | 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -11 | 19 | 17 | -11 | -17 | -43 | 1 | 3 | 6 | 6 | 3 | 2 | 1 | 6 | 27 | 189 | |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 | 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -8 | 13 | 11 | -4 | -25 | -21 | 9 | 4 | 6 | 6 | 5 | 1 | 1 | 6 | 29 | 203 | |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 | 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 | 1 | 3 | 5 | 1 | 1 | 1 | 13 | -23 | 33 | 21 | 11 | -36 | -69 | 10 | 1 | 6 | 6 | 6 | 1 | 1 | 6 | 27 | 351 | |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 | 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 | 3 | 6 | 3 | 1 | 1 | 1 | 17 | -2 | 6 | 12 | -13 | -42 | -49 | 6 | 5 | 6 | 6 | 3 | 1 | 1 | 6 | 28 | 476 | |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 | 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 | 6 | 6 | 6 | 1 | 1 | 1 | 25 | 10 | 6 | 0 | 0 | -38 | -54 | -15 | 6 | 6 | 6 | 6 | 1 | 1 | 3 | 29 | 725 | |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 | 34 | 47 | 109 | 4 | 0 | 44 | 56 | 1 | 1 | 1 | 5 | 6 | 1 | 1 | 16 | -18 | -13 | -62 | 105 | 4 | -44 | -12 | 2 | 3 | 3 | 1 | 6 | 6 | 1 | 3 | 22 | 352 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 | 52 | 34 | 16 | 37 | 72 | 103 | 81 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | -8 | 18 | 18 | -21 | -35 | -31 | 22 | 4 | 6 | 6 | 1 | 1 | 1 | 6 | 25 | 200 | |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 | 24 | 28 | 15 | 23 | 64 | 110 | 105 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | 2 | -4 | 13 | -8 | -41 | -46 | 5 | 6 | 5 | 6 | 4 | 1 | 1 | 6 | 29 | 232 | |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 | 3 | 3 | 7 | 0 | 7 | 49 | 70 | 5 | 5 | 4 | 6 | 4 | 1 | 1 | 26 | 13 | 0 | -4 | 7 | -7 | -42 | -21 | 6 | 6 | 5 | 6 | 4 | 1 | 1 | 29 | 754 | |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 | 23 | 22 | 14 | 0 | 21 | 67 | 99 | 1 | 1 | 3 | 6 | 1 | 1 | 1 | 14 | 4 | 1 | 8 | 14 | -21 | -46 | -32 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 27 | 378 | |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 | 0 | 2 | 0 | 14 | 50 | 85 | 100 | 6 | 5 | 6 | 3 | 1 | 1 | 1 | 23 | 20 | -2 | 2 | -14 | -36 | -35 | -15 | 6 | 5 | 6 | 3 | 1 | 1 | 3 | 25 | 575 | |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 | 69 | 60 | 59 | 75 | 82 | 86 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -17 | 9 | 1 | -16 | -7 | -4 | -10 | 2 | 6 | 6 | 2 | 4 | 5 | 4 | 29 | 203 | |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 | 8 | 11 | 5 | 0 | 22 | 65 | 85 | 4 | 3 | 4 | 6 | 1 | 1 | 1 | 20 | 8 | -3 | 6 | 5 | -22 | -43 | -20 | 6 | 5 | 6 | 6 | 1 | 1 | 2 | 27 | 540 | |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 | 52 | 40 | 17 | 30 | 66 | 98 | 96 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | -4 | 12 | 23 | -13 | -36 | -32 | 2 | 5 | 6 | 6 | 3 | 1 | 1 | 6 | 28 | 224 | |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 | 46 | 31 | 20 | 41 | 79 | 103 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -11 | 15 | 11 | -21 | -38 | -24 | 8 | 3 | 6 | 6 | 1 | 1 | 1 | 6 | 24 | 168 | |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 | 46 | 20 | 25 | 35 | 93 | 96 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 26 | -5 | -10 | -58 | -3 | 4 | 6 | 6 | 5 | 4 | 1 | 5 | 6 | 33 | 231 | |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 | 65 | 54 | 38 | 55 | 94 | 99 | 87 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -13 | 11 | 16 | -17 | -39 | -5 | 12 | 3 | 6 | 6 | 2 | 1 | 5 | 6 | 29 | 203 | |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 | 52 | 42 | 25 | 37 | 70 | 100 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -17 | 10 | 17 | -12 | -33 | -30 | 6 | 2 | 6 | 6 | 3 | 1 | 1 | 6 | 25 | 175 | |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 | 30 | 24 | 30 | 62 | 113 | 113 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -8 | 6 | -6 | -32 | -51 | 0 | 18 | 4 | 6 | 4 | 1 | 1 | 6 | 6 | 28 | 196 | |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 | 9 | 17 | 50 | 0 | 5 | 51 | 68 | 4 | 2 | 1 | 6 | 4 | 1 | 1 | 19 | 7 | -8 | -33 | 50 | -5 | -46 | -17 | 6 | 4 | 1 | 6 | 5 | 1 | 6 | 25 | 475 | |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 | 44 | 35 | 40 | 58 | 79 | 98 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -6 | 9 | -5 | -18 | -21 | -19 | 3 | 4 | 6 | 5 | 2 | 1 | 2 | 6 | 26 | 182 | |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 | 49 | 39 | 16 | 32 | 69 | 111 | 93 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | -5 | 10 | 23 | -16 | -37 | -42 | 18 | 5 | 6 | 6 | 2 | 1 | 1 | 6 | 27 | 216 | |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 507 | 56 | 42 | 31 | 39 | 72 | 95 | 89 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -17 | 14 | 11 | -8 | -33 | -23 | 6 | 2 | 6 | 6 | 4 | 1 | 1 | 6 | 26 | 182 | |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 | 0 | 0 | 15 | 0 | 10 | 52 | 71 | 6 | 6 | 2 | 6 | 3 | 1 | 1 | 25 | 16 | 0 | -15 | -15 | -10 | -42 | -19 | 6 | 6 | 6 | 3 | 6 | 4 | 1 | 2 | 28 | 700 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 | 47 | 30 | 15 | 14 | 50 | 105 | 95 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 10 | 4 | 17 | 15 | 1 | -36 | -55 | 10 | 6 | 6 | 6 | 6 | 1 | 1 | 6 | 32 | 320 | |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 | 11 | 0 | 0 | 19 | 60 | 78 | 3 | 6 | 6 | 6 | 2 | 1 | | | | | | | | | | | | | | | | | | | | |

Flow Alternative 2

STUDY: 1995C06F-SWRCB-468 DWRSIM: recirc818-1, 17 Jun 97
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-468/12/ELEVATION/EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 441 | 475 | 520 | 539 | 544 | 543 | 539 | 524 | 475 | 430 | 439 |
| 1923 | 471 | 496 | 500 | 515 | 526 | 532 | 528 | 506 | 470 | 448 | 418 | 405 |
| 1924 | 424 | 436 | 465 | 511 | 532 | 532 | 523 | 499 | 466 | 428 | 392 | 389 |
| 1925 | 389 | 400 | 444 | 475 | 522 | 533 | 525 | 499 | 459 | 416 | 362 | 343 |
| 1926 | 365 | 382 | 401 | 459 | 502 | 514 | 510 | 489 | 455 | 447 | 394 | 384 |
| 1927 | 393 | 434 | 474 | 520 | 544 | 544 | 540 | 529 | 498 | 464 | 413 | 427 |
| 1928 | 460 | 490 | 499 | 514 | 526 | 532 | 528 | 506 | 459 | 438 | 416 | 402 |
| 1929 | 414 | 441 | 469 | 517 | 533 | 543 | 533 | 520 | 499 | 468 | 436 | 433 |
| 1930 | 433 | 439 | 484 | 533 | 542 | 544 | 527 | 497 | 468 | 461 | 447 | 425 |
| 1931 | 431 | 436 | 447 | 478 | 492 | 492 | 485 | 472 | 451 | 419 | 372 | 372 |
| 1932 | 385 | 384 | 448 | 506 | 536 | 529 | 521 | 503 | 482 | 453 | 414 | 398 |
| 1933 | 416 | 424 | 426 | 473 | 495 | 503 | 501 | 488 | 459 | 422 | 373 | 373 |
| 1934 | 390 | 386 | 437 | 493 | 509 | 509 | 497 | 474 | 451 | 428 | 395 | 388 |
| 1935 | 382 | 404 | 424 | 485 | 492 | 527 | 533 | 507 | 471 | 426 | 353 | 357 |
| 1936 | 395 | 411 | 425 | 481 | 525 | 542 | 542 | 526 | 492 | 457 | 416 | 410 |
| 1937 | 430 | 445 | 470 | 518 | 535 | 544 | 544 | 539 | 510 | 463 | 412 | 401 |
| 1938 | 431 | 465 | 499 | 515 | 530 | 540 | 544 | 544 | 537 | 504 | 470 | 486 |
| 1939 | 513 | 522 | 526 | 539 | 544 | 544 | 526 | 495 | 464 | 453 | 438 | 419 |
| 1940 | 424 | 421 | 416 | 480 | 520 | 527 | 524 | 502 | 461 | 434 | 352 | 350 |
| 1941 | 389 | 422 | 480 | 511 | 535 | 539 | 536 | 533 | 518 | 468 | 427 | 446 |
| 1942 | 478 | 492 | 497 | 512 | 525 | 529 | 525 | 517 | 508 | 461 | 420 | 438 |
| 1943 | 470 | 485 | 490 | 506 | 517 | 529 | 532 | 535 | 507 | 464 | 415 | 421 |
| 1944 | 454 | 485 | 501 | 516 | 530 | 537 | 519 | 488 | 455 | 441 | 425 | 413 |
| 1945 | 419 | 456 | 492 | 519 | 535 | 541 | 530 | 503 | 466 | 445 | 408 | 400 |
| 1946 | 437 | 469 | 495 | 510 | 521 | 528 | 516 | 489 | 448 | 428 | 411 | 399 |
| 1947 | 421 | 454 | 487 | 516 | 529 | 538 | 523 | 491 | 458 | 446 | 429 | 409 |
| 1948 | 413 | 422 | 422 | 474 | 491 | 513 | 511 | 491 | 457 | 419 | 349 | 359 |
| 1949 | 388 | 414 | 446 | 492 | 513 | 541 | 523 | 494 | 452 | 431 | 407 | 395 |
| 1950 | 407 | 420 | 431 | 484 | 522 | 530 | 518 | 490 | 455 | 433 | 414 | 404 |
| 1951 | 427 | 459 | 495 | 524 | 535 | 540 | 527 | 507 | 465 | 434 | 410 | 405 |
| 1952 | 431 | 460 | 490 | 519 | 532 | 537 | 541 | 544 | 536 | 510 | 492 | 499 |
| 1953 | 506 | 515 | 519 | 532 | 542 | 544 | 529 | 515 | 493 | 468 | 430 | 446 |
| 1954 | 478 | 494 | 500 | 515 | 527 | 533 | 526 | 508 | 460 | 436 | 415 | 403 |
| 1955 | 435 | 464 | 494 | 518 | 530 | 538 | 520 | 493 | 465 | 459 | 425 | 418 |
| 1956 | 431 | 453 | 494 | 528 | 542 | 544 | 538 | 527 | 507 | 475 | 434 | 444 |
| 1957 | 470 | 495 | 500 | 514 | 527 | 533 | 524 | 501 | 468 | 450 | 429 | 420 |
| 1958 | 452 | 482 | 506 | 522 | 534 | 537 | 538 | 538 | 530 | 494 | 474 | 488 |
| 1959 | 496 | 504 | 509 | 522 | 534 | 541 | 521 | 488 | 453 | 437 | 426 | 421 |
| 1960 | 432 | 446 | 457 | 504 | 539 | 544 | 526 | 493 | 460 | 439 | 385 | 361 |
| 1961 | 378 | 416 | 455 | 503 | 536 | 544 | 524 | 490 | 461 | 452 | 430 | 409 |
| 1962 | 414 | 419 | 457 | 491 | 528 | 534 | 516 | 484 | 433 | 402 | 326 | 336 |
| 1963 | 377 | 412 | 443 | 489 | 523 | 529 | 529 | 520 | 496 | 464 | 429 | 444 |
| 1964 | 473 | 502 | 514 | 529 | 540 | 544 | 519 | 482 | 439 | 415 | 395 | 397 |
| 1965 | 402 | 433 | 469 | 519 | 532 | 539 | 540 | 526 | 495 | 465 | 420 | 427 |
| 1966 | 458 | 487 | 498 | 512 | 523 | 529 | 512 | 482 | 435 | 413 | 397 | 387 |
| 1967 | 401 | 437 | 476 | 515 | 528 | 533 | 538 | 541 | 534 | 522 | 502 | 505 |
| 1968 | 512 | 523 | 527 | 540 | 544 | 544 | 529 | 496 | 458 | 440 | 423 | 417 |
| 1969 | 437 | 468 | 501 | 523 | 536 | 544 | 544 | 544 | 537 | 517 | 489 | 503 |
| 1970 | 517 | 526 | 530 | 544 | 544 | 544 | 534 | 511 | 470 | 449 | 414 | 409 |
| 1971 | 431 | 464 | 496 | 514 | 524 | 530 | 519 | 503 | 476 | 454 | 435 | 447 |
| 1972 | 475 | 502 | 513 | 528 | 540 | 544 | 526 | 494 | 455 | 437 | 424 | 410 |
| 1973 | 434 | 466 | 497 | 523 | 534 | 540 | 533 | 512 | 481 | 459 | 420 | 418 |
| 1974 | 451 | 480 | 502 | 518 | 530 | 535 | 533 | 521 | 492 | 462 | 438 | 450 |
| 1975 | 474 | 483 | 488 | 502 | 516 | 520 | 517 | 502 | 477 | 444 | 429 | 440 |
| 1976 | 467 | 485 | 491 | 506 | 520 | 532 | 516 | 490 | 473 | 470 | 447 | 431 |
| 1977 | 431 | 439 | 441 | 458 | 458 | 458 | 461 | 449 | 429 | 406 | 398 | 412 |
| 1978 | 417 | 434 | 484 | 532 | 544 | 544 | 544 | 526 | 469 | 413 | 433 | 403 |
| 1979 | 466 | 488 | 492 | 507 | 521 | 528 | 522 | 504 | 474 | 455 | 409 | 405 |
| 1980 | 441 | 475 | 502 | 519 | 534 | 544 | 544 | 544 | 527 | 491 | 451 | 468 |
| 1981 | 499 | 519 | 525 | 539 | 544 | 544 | 530 | 496 | 459 | 441 | 423 | 411 |
| 1982 | 423 | 458 | 492 | 523 | 536 | 543 | 544 | 544 | 531 | 494 | 462 | 472 |
| 1983 | 496 | 515 | 521 | 535 | 544 | 544 | 544 | 537 | 527 | 514 | 521 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 536 | 514 | 478 | 458 | 412 | 413 |
| 1985 | 450 | 482 | 497 | 512 | 525 | 532 | 512 | 478 | 434 | 414 | 398 | 397 |
| 1986 | 402 | 408 | 446 | 499 | 529 | 543 | 544 | 544 | 532 | 490 | 459 | 468 |
| 1987 | 497 | 509 | 535 | 544 | 544 | 544 | 523 | 488 | 460 | 450 | 425 | 411 |
| 1988 | 420 | 416 | 455 | 505 | 519 | 519 | 508 | 493 | 483 | 463 | 425 | 421 |
| 1989 | 421 | 437 | 454 | 492 | 492 | 527 | 517 | 486 | 450 | 439 | 386 | 395 |
| 1990 | 410 | 427 | 456 | 499 | 519 | 524 | 509 | 480 | 463 | 456 | 400 | 384 |
| 1991 | 384 | 391 | 391 | 406 | 406 | 470 | 471 | 461 | 443 | 420 | 403 | 405 |
| 1992 | 408 | 422 | 437 | 483 | 517 | 541 | 532 | 514 | 495 | 462 | 419 | 412 |
| 1993 | 412 | 419 | 466 | 520 | 530 | 534 | 529 | 523 | 507 | 460 | 404 | 409 |
| 1994 | 445 | 476 | 488 | 502 | 516 | 526 | 505 | 473 | 449 | 446 | 445 | 432 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| Difference from Maximum Reservoir Elevation [DFMRE] | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| Reservoir Change from Previous Month [fluctuation] | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|--|-----|-----|-----|-----|-----|-----|-----|-----|
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| Product | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| 513 | 6 | 5 | 5 | 3 | 1 | 1 | 1 | 6 |
| 180 | 6 | 5 | 1 | 1 | 1 | 1 | 1 | 3 |
| 171 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 5 |
| 160 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 2 |
| 154 | 6 | 5 | 1 | 1 | 4 | 1 | 1 | 4 |
| 222 | 6 | 5 | 3 | 1 | 1 | 1 | 1 | 6 |

STUDY: 1995C06F-SWRCB-506 DWRSIM: recirc818-f, 17 Jun 97
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-506/4/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 1067

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1922 | 989 | 993 | 999 | 1,003 | 1,019 | 1,038 | 1,060 | 1,067 | 1,062 | 1,048 | 1,031 | 1,025 |
| 1923 | 1,023 | 1,017 | 1,019 | 1,023 | 1,020 | 1,021 | 1,033 | 1,029 | 1,015 | 997 | 979 | 977 |
| 1924 | 979 | 979 | 979 | 979 | 987 | 987 | 976 | 962 | 947 | 925 | 907 | 893 |
| 1925 | 898 | 909 | 918 | 928 | 999 | 1,014 | 1,045 | 1,055 | 1,050 | 1,033 | 1,019 | 1,016 |
| 1926 | 1,013 | 1,011 | 1,008 | 1,004 | 1,031 | 1,032 | 1,044 | 1,039 | 1,019 | 995 | 978 | 971 |
| 1927 | 970 | 994 | 1,017 | 1,035 | 1,026 | 1,052 | 1,067 | 1,067 | 1,058 | 1,045 | 1,029 | 1,023 |
| 1928 | 1,021 | 1,017 | 1,020 | 1,028 | 1,044 | 1,046 | 1,066 | 1,062 | 1,048 | 1,023 | 1,002 | 996 |
| 1929 | 994 | 994 | 994 | 994 | 1,000 | 1,002 | 1,004 | 998 | 991 | 975 | 957 | 950 |
| 1930 | 949 | 947 | 978 | 989 | 1,006 | 1,028 | 1,039 | 1,039 | 1,023 | 1,004 | 990 | 988 |
| 1931 | 985 | 983 | 980 | 982 | 984 | 990 | 982 | 972 | 964 | 946 | 934 | 921 |
| 1932 | 916 | 915 | 931 | 941 | 950 | 974 | 977 | 985 | 978 | 964 | 950 | 944 |
| 1933 | 942 | 938 | 939 | 941 | 943 | 977 | 985 | 988 | 984 | 967 | 952 | 946 |
| 1934 | 945 | 943 | 951 | 969 | 987 | 998 | 998 | 993 | 985 | 955 | 932 | 917 |
| 1935 | 912 | 923 | 928 | 948 | 967 | 990 | 1,034 | 1,040 | 1,033 | 1,014 | 1,001 | 996 |
| 1936 | 992 | 989 | 986 | 1,010 | 1,032 | 1,043 | 1,052 | 1,050 | 1,042 | 1,022 | 1,002 | 997 |
| 1937 | 993 | 989 | 985 | 979 | 990 | 1,007 | 1,036 | 1,044 | 1,040 | 1,022 | 1,003 | 996 |
| 1938 | 993 | 1,015 | 1,020 | 1,035 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,024 | 1,039 | 1,031 | 1,024 | 1,000 | 980 | 952 | 949 |
| 1940 | 945 | 940 | 949 | 996 | 1,017 | 1,025 | 1,059 | 1,064 | 1,053 | 1,033 | 1,017 | 1,015 |
| 1941 | 1,013 | 1,013 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,059 | 1,046 | 1,031 | 1,025 |
| 1944 | 1,023 | 1,017 | 1,015 | 1,014 | 1,023 | 1,033 | 1,038 | 1,038 | 1,021 | 997 | 977 | 970 |
| 1945 | 972 | 983 | 997 | 1,005 | 1,039 | 1,052 | 1,064 | 1,067 | 1,062 | 1,041 | 1,023 | 1,018 |
| 1946 | 1,017 | 1,017 | 1,018 | 1,033 | 1,039 | 1,050 | 1,062 | 1,064 | 1,056 | 1,039 | 1,023 | 1,020 |
| 1947 | 1,017 | 1,017 | 1,018 | 1,014 | 1,021 | 1,040 | 1,046 | 1,037 | 1,023 | 1,000 | 983 | 977 |
| 1948 | 982 | 984 | 985 | 1,009 | 1,008 | 1,019 | 1,057 | 1,067 | 1,067 | 1,053 | 1,038 | 1,036 |
| 1949 | 1,023 | 1,017 | 1,016 | 1,012 | 1,016 | 1,050 | 1,063 | 1,064 | 1,050 | 1,029 | 1,011 | 1,007 |
| 1950 | 1,003 | 999 | 995 | 1,003 | 1,016 | 1,033 | 1,046 | 1,045 | 1,033 | 1,011 | 994 | 992 |
| 1951 | 1,005 | 1,017 | 1,020 | 1,033 | 1,040 | 1,057 | 1,064 | 1,067 | 1,051 | 1,030 | 1,012 | 1,010 |
| 1952 | 1,008 | 1,013 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,051 | 1,065 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,064 | 1,059 | 1,042 | 1,030 | 1,030 |
| 1955 | 1,023 | 1,017 | 1,022 | 1,024 | 1,027 | 1,025 | 1,039 | 1,047 | 1,031 | 1,007 | 989 | 988 |
| 1956 | 986 | 989 | 1,017 | 1,017 | 1,019 | 1,048 | 1,067 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1957 | 1,023 | 1,017 | 1,016 | 1,017 | 1,035 | 1,052 | 1,058 | 1,067 | 1,060 | 1,043 | 1,029 | 1,032 |
| 1958 | 1,023 | 1,017 | 1,021 | 1,029 | 1,067 | 1,024 | 1,053 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1959 | 1,023 | 1,017 | 1,017 | 1,034 | 1,039 | 1,050 | 1,054 | 1,054 | 1,036 | 1,012 | 995 | 999 |
| 1960 | 996 | 994 | 991 | 997 | 1,029 | 1,052 | 1,059 | 1,067 | 1,050 | 1,030 | 1,012 | 1,010 |
| 1961 | 1,007 | 1,009 | 1,021 | 1,026 | 1,044 | 1,057 | 1,064 | 1,067 | 1,049 | 1,025 | 1,005 | 1,004 |
| 1962 | 1,000 | 1,003 | 1,014 | 1,016 | 1,035 | 1,050 | 1,062 | 1,063 | 1,051 | 1,031 | 1,014 | 1,011 |
| 1963 | 1,023 | 1,017 | 1,021 | 1,025 | 1,045 | 1,055 | 1,052 | 1,067 | 1,063 | 1,052 | 1,040 | 1,036 |
| 1964 | 1,023 | 1,017 | 1,018 | 1,033 | 1,034 | 1,038 | 1,032 | 1,027 | 1,012 | 991 | 971 | 969 |
| 1965 | 968 | 978 | 1,017 | 1,022 | 1,040 | 1,052 | 1,065 | 1,066 | 1,057 | 1,042 | 1,032 | 1,030 |
| 1966 | 1,023 | 1,017 | 1,021 | 1,037 | 1,049 | 1,055 | 1,067 | 1,064 | 1,049 | 1,030 | 1,015 | 1,012 |
| 1967 | 1,008 | 1,017 | 1,021 | 1,030 | 1,044 | 1,048 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1968 | 1,023 | 1,017 | 1,019 | 1,025 | 1,034 | 1,054 | 1,056 | 1,058 | 1,042 | 1,022 | 1,015 | 1,012 |
| 1969 | 1,012 | 1,013 | 1,021 | 1,022 | 1,027 | 1,048 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1970 | 1,023 | 1,017 | 1,020 | 1,017 | 1,025 | 1,052 | 1,055 | 1,055 | 1,044 | 1,025 | 1,012 | 1,010 |
| 1971 | 1,010 | 1,017 | 1,020 | 1,028 | 1,040 | 1,043 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1972 | 1,023 | 1,017 | 1,022 | 1,033 | 1,045 | 1,056 | 1,067 | 1,067 | 1,051 | 1,032 | 1,018 | 1,018 |
| 1973 | 1,020 | 1,017 | 1,021 | 1,030 | 1,034 | 1,035 | 1,065 | 1,067 | 1,058 | 1,044 | 1,033 | 1,032 |
| 1974 | 1,023 | 1,017 | 1,018 | 1,017 | 1,036 | 1,024 | 1,058 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1975 | 1,023 | 1,017 | 1,021 | 1,024 | 1,045 | 1,039 | 1,061 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1976 | 1,023 | 1,017 | 1,018 | 1,017 | 1,012 | 1,017 | 1,024 | 1,020 | 996 | 974 | 970 | 972 |
| 1977 | 975 | 976 | 976 | 977 | 968 | 967 | 949 | 944 | 923 | 905 | 888 | 884 |
| 1978 | 873 | 872 | 916 | 1,019 | 1,031 | 1,047 | 1,067 | 1,067 | 1,064 | 1,057 | 1,047 | 1,036 |
| 1979 | 1,023 | 1,017 | 1,015 | 1,018 | 1,029 | 1,046 | 1,053 | 1,062 | 1,051 | 1,034 | 1,022 | 1,020 |
| 1980 | 1,020 | 1,017 | 1,020 | 1,029 | 1,019 | 1,046 | 1,059 | 1,064 | 1,056 | 1,045 | 1,035 | 1,035 |
| 1981 | 1,023 | 1,017 | 1,020 | 1,029 | 1,042 | 1,056 | 1,064 | 1,062 | 1,042 | 1,019 | 1,003 | 1,000 |
| 1982 | 999 | 1,017 | 1,018 | 1,033 | 1,029 | 1,046 | 1,051 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1983 | 1,023 | 1,017 | 1,020 | 1,022 | 1,011 | 1,045 | 1,050 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1984 | 1,023 | 1,017 | 1,018 | 1,034 | 1,047 | 1,056 | 1,064 | 1,067 | 1,060 | 1,044 | 1,038 | 1,036 |
| 1985 | 1,023 | 1,017 | 1,022 | 1,023 | 1,027 | 1,034 | 1,042 | 1,034 | 1,012 | 993 | 977 | 979 |
| 1986 | 982 | 985 | 993 | 1,017 | 1,017 | 1,029 | 1,047 | 1,049 | 1,037 | 1,020 | 1,005 | 1,008 |
| 1987 | 1,008 | 1,007 | 1,007 | 1,008 | 1,018 | 1,045 | 1,045 | 1,039 | 1,008 | 985 | 957 | 951 |
| 1988 | 947 | 948 | 980 | 1,001 | 1,003 | 1,005 | 1,010 | 1,010 | 992 | 961 | 946 | 942 |
| 1989 | 942 | 955 | 962 | 969 | 976 | 1,039 | 1,058 | 1,054 | 1,040 | 1,020 | 1,009 | 1,009 |
| 1990 | 1,011 | 1,009 | 1,005 | 1,011 | 1,011 | 1,017 | 1,012 | 1,018 | 1,003 | 982 | 962 | 959 |
| 1991 | 953 | 951 | 950 | 951 | 947 | 973 | 984 | 984 | 974 | 961 | 946 | 940 |
| 1992 | 939 | 937 | 938 | 942 | 980 | 1,002 | 1,014 | 1,007 | 993 | 975 | 962 | 955 |
| 1993 | 951 | 949 | 963 | 996 | 1,029 | 1,031 | 1,059 | 1,067 | 1,067 | 1,056 | 1,048 | 1,048 |
| 1994 | 1,043 | 1,017 | 1,019 | 1,020 | 1,026 | 1,027 | 1,027 | 1,026 | 999 | 979 | 957 | 954 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|------|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 19 | 36 | 42 | 1 |
| 46 | 34 | 38 | 52 | 70 | 88 | 90 | 1 |
| 80 | 91 | 105 | 120 | 142 | 160 | 174 | 1 |
| 53 | 22 | 12 | 17 | 34 | 48 | 51 | 1 |
| 35 | 23 | 28 | 48 | 72 | 89 | 96 | 1 |
| 15 | 0 | 0 | 9 | 22 | 38 | 44 | 2 |
| 21 | 1 | 5 | 19 | 44 | 65 | 71 | 1 |
| 65 | 63 | 69 | 76 | 92 | 110 | 117 | 1 |
| 39 | 28 | 28 | 44 | 63 | 77 | 79 | 1 |
| 77 | 85 | 95 | 103 | 121 | 133 | 146 | 1 |
| 93 | 90 | 82 | 89 | 103 | 117 | 123 | 1 |
| 90 | 82 | 79 | 83 | 100 | 115 | 121 | 1 |
| 69 | 69 | 74 | 82 | 112 | 135 | 150 | 1 |
| 77 | 33 | 27 | 34 | 53 | 66 | 71 | 1 |
| 24 | 15 | 17 | 25 | 45 | 65 | 70 | 1 |
| 60 | 31 | 23 | 27 | 45 | 64 | 71 | 1 |
| 43 | 18 | 0 | 9 | 22 | 31 | 31 | 1 |
| 29 | 36 | 43 | 67 | 87 | 115 | 118 | 1 |
| 42 | 8 | 3 | 14 | 34 | 50 | 52 | 1 |
| 22 | 3 | 0 | 0 | 9 | 20 | 31 | 1 |
| 25 | 0 | 0 | 0 | 9 | 21 | 31 | 1 |
| 16 | 0 | 0 | 8 | 21 | 36 | 42 | 1 |
| 34 | 29 | 29 | 46 | 70 | 90 | 97 | 1 |
| 15 | 3 | 0 | 5 | 26 | 44 | 49 | 2 |
| 17 | 5 | 3 | 11 | 28 | 44 | 47 | 2 |
| 27 | 21 | 30 | 44 | 67 | 84 | 90 | 1 |
| 48 | 10 | 0 | 0 | 14 | 29 | 31 | 1 |
| 17 | 4 | 3 | 17 | 38 | 56 | 60 | 2 |
| 34 | 21 | 22 | 34 | 56 | 73 | 75 | 1 |
| 19 | 3 | 0 | 16 | 37 | 55 | 57 | 3 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 | 2 |
| 16 | 2 | 0 | 0 | 9 | 21 | 31 | 2 |
| 16 | 0 | 3 | 8 | 25 | 37 | 37 | 2 |
| 42 | 28 | 20 | 36 | 60 | 78 | 79 | 1 |
| 19 | 0 | 0 | 0 | 9 | 20 | 31 | 2 |
| 15 | 9 | 0 | 7 | 24 | 38 | 35 | 2 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 | 1 |
| 1959 | 17 | 13 | 13 | 31 | 55 | 72 | 2 |
| 1960 | 15 | 8 | 0 | 17 | 37 | 55 | 2 |
| 1961 | 10 | 3 | 0 | | | | |

STUDY: 1995C06F-SWRCB-506 DWRSIM: recirc818-f, 17 Jun 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-506/ELEVATION-EOP/1MON/OUTPUT

73-year maximum March - September Reservoir Elevation = 900'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|----|------|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 877 | 42 | 7 | 0 | 0 | 20 | 24 | 23 | 1 | 4 | 6 | 6 | 2 | 1 | 1 | 1 | 20 | 8 | 35 | 7 | 0 | -20 | -4 | 1 | 6 | 6 | 6 | 6 | 2 | 5 | 6 | 37 | 740 |
| 1923 | 874 | 874 | 874 | 888 | 882 | 859 | 868 | 891 | 897 | 881 | 843 | 811 | 814 | 32 | 9 | 3 | 19 | 57 | 89 | 86 | 1 | 4 | 5 | 2 | 1 | 1 | 1 | 15 | 9 | 23 | 6 | -16 | -38 | -32 | 3 | 6 | 6 | 6 | 2 | 1 | 4 | 6 | 28 | 420 |
| 1924 | 802 | 791 | 763 | 768 | 787 | 776 | 763 | 752 | 731 | 712 | 704 | 697 | 124 | 137 | 148 | 169 | 188 | 196 | 203 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -11 | -13 | -11 | -21 | -19 | -8 | -7 | 3 | 3 | 3 | 1 | 2 | 4 | 4 | 20 | 140 |
| 1925 | 698 | 702 | 709 | 726 | 792 | 820 | 838 | 846 | 831 | 804 | 793 | 791 | 80 | 62 | 54 | 69 | 98 | 107 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 28 | 18 | 8 | -15 | -27 | -11 | -2 | 6 | 6 | 6 | 3 | 1 | 3 | 5 | 30 | 210 |
| 1926 | 777 | 779 | 781 | 795 | 837 | 857 | 887 | 874 | 854 | 814 | 801 | 786 | 43 | 13 | 26 | 46 | 86 | 99 | 114 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 20 | 30 | -13 | -20 | -40 | -13 | -15 | 6 | 6 | 3 | 2 | 1 | 3 | 3 | 24 | 216 |
| 1927 | 767 | 798 | 798 | 826 | 849 | 863 | 890 | 900 | 900 | 865 | 856 | 853 | 37 | 10 | 0 | 0 | 35 | 44 | 47 | 1 | 3 | 6 | 6 | 1 | 1 | 1 | 1 | 19 | 14 | 27 | 10 | 0 | -35 | -9 | -3 | 6 | 6 | 6 | 6 | 1 | 4 | 5 | 34 | 646 |
| 1928 | 851 | 861 | 862 | 868 | 871 | 849 | 878 | 863 | 843 | 791 | 739 | 732 | 51 | 22 | 37 | 57 | 109 | 161 | 168 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -22 | 29 | -15 | -20 | -52 | -52 | -7 | 1 | 6 | 3 | 2 | 1 | 1 | 4 | 18 | 126 |
| 1929 | 719 | 714 | 712 | 717 | 731 | 748 | 751 | 753 | 748 | 732 | 723 | 716 | 152 | 149 | 147 | 152 | 168 | 177 | 184 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 3 | 2 | -5 | -16 | -9 | -7 | 6 | 6 | 6 | 5 | 2 | 4 | 4 | 33 | 231 |
| 1930 | 708 | 705 | 766 | 794 | 821 | 852 | 874 | 877 | 861 | 823 | 790 | 787 | 48 | 26 | 23 | 39 | 77 | 110 | 113 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 31 | 22 | 3 | -16 | -38 | -33 | -3 | 6 | 6 | 6 | 2 | 1 | 1 | 5 | 27 | 189 |
| 1931 | 776 | 768 | 760 | 773 | 786 | 801 | 788 | 773 | 749 | 727 | 717 | 710 | 99 | 112 | 127 | 151 | 173 | 183 | 190 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | -13 | -15 | -24 | -22 | -10 | -7 | 6 | 3 | 3 | 1 | 1 | 4 | 4 | 22 | 154 |
| 1932 | 704 | 695 | 700 | 724 | 747 | 780 | 785 | 809 | 779 | 727 | 710 | 704 | 120 | 115 | 91 | 121 | 173 | 190 | 196 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 33 | 5 | 24 | -30 | -52 | -17 | -6 | 6 | 6 | 6 | 1 | 1 | 2 | 4 | 26 | 182 |
| 1933 | 695 | 683 | 682 | 693 | 703 | 708 | 711 | 728 | 721 | 707 | 697 | 690 | 192 | 189 | 172 | 179 | 193 | 203 | 210 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 3 | 17 | -7 | -14 | -10 | -7 | 6 | 6 | 6 | 4 | 3 | 4 | 4 | 33 | 231 |
| 1934 | 686 | 677 | 680 | 707 | 730 | 758 | 751 | 741 | 719 | 697 | 688 | 681 | 142 | 149 | 159 | 181 | 203 | 212 | 219 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 28 | -7 | -10 | -22 | -22 | -9 | -7 | 6 | 4 | 4 | 1 | 1 | 4 | 4 | 24 | 168 |
| 1935 | 669 | 673 | 680 | 708 | 731 | 762 | 851 | 861 | 846 | 823 | 813 | 798 | 138 | 49 | 39 | 54 | 77 | 87 | 102 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 31 | 89 | 10 | -15 | -23 | -10 | -15 | 6 | 6 | 6 | 3 | 1 | 4 | 3 | 29 | 203 |
| 1936 | 790 | 780 | 778 | 826 | 849 | 860 | 886 | 897 | 886 | 847 | 827 | 824 | 40 | 14 | 3 | 14 | 53 | 73 | 76 | 1 | 3 | 5 | 3 | 1 | 1 | 1 | 1 | 15 | 11 | 26 | 11 | -11 | -39 | -20 | -3 | 6 | 6 | 6 | 3 | 1 | 2 | 5 | 29 | 435 |
| 1937 | 817 | 805 | 801 | 804 | 821 | 845 | 870 | 883 | 862 | 836 | 823 | 819 | 55 | 30 | 17 | 38 | 64 | 77 | 81 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 24 | 25 | 13 | -21 | -26 | -13 | -4 | 6 | 6 | 6 | 1 | 1 | 3 | 5 | 28 | 224 |
| 1938 | 814 | 828 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 | 51 | 18 | 0 | 0 | 1 | 4 | 13 | 1 | 2 | 6 | 6 | 5 | 5 | 3 | 28 | 0 | 33 | 18 | 0 | -1 | -3 | -9 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 38 | 1064 | |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 814 | 779 | 715 | 695 | 653 | 67 | 78 | 86 | 121 | 185 | 241 | 247 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | -11 | -8 | -35 | -64 | -56 | -6 | 5 | 3 | 4 | 1 | 1 | 1 | 4 | 19 | 133 |
| 1940 | 643 | 632 | 635 | 706 | 815 | 849 | 879 | 884 | 871 | 834 | 826 | 817 | 51 | 21 | 16 | 29 | 66 | 74 | 83 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 34 | 30 | 5 | -13 | -37 | -8 | -9 | 6 | 6 | 6 | 3 | 1 | 4 | 4 | 30 | 240 |
| 1941 | 806 | 807 | 846 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 | 42 | 14 | 0 | 0 | 10 | 14 | 13 | 1 | 3 | 6 | 6 | 3 | 3 | 3 | 25 | 9 | 28 | 14 | 0 | -10 | -4 | 1 | 6 | 6 | 6 | 6 | 4 | 5 | 6 | 39 | 975 | |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 886 | 882 | 883 | 33 | 18 | 0 | 0 | 14 | 18 | 17 | 1 | 2 | 6 | 6 | 3 | 2 | 2 | 22 | 17 | 15 | 18 | 0 | -14 | -4 | 1 | 6 | 6 | 6 | 6 | 3 | 5 | 6 | 38 | 836 | |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 893 | 892 | 860 | 850 | 851 | 41 | 13 | 7 | 8 | 40 | 50 | 49 | 1 | 3 | 4 | 4 | 1 | 1 | 1 | 15 | 3 | 28 | 6 | -1 | -32 | -10 | 1 | 6 | 6 | 6 | 5 | 1 | 4 | 6 | 34 | 510 | |
| 1944 | 852 | 854 | 853 | 860 | 857 | 868 | 879 | 895 | 876 | 836 | 800 | 794 | 32 | 21 | 5 | 24 | 64 | 100 | 106 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 10 | 11 | 11 | 16 | -19 | -40 | -36 | -6 | 6 | 6 | 6 | 2 | 1 | 1 | 4 | 26 | 260 |
| 1945 | 789 | 796 | 812 | 825 | 882 | 865 | 880 | 896 | 877 | 837 | 816 | 811 | 35 | 20 | 4 | 23 | 63 | 84 | 89 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 10 | 3 | 15 | 16 | -19 | -40 | -21 | -5 | 6 | 6 | 6 | 2 | 1 | 1 | 5 | 27 | 287 |
| 1946 | 811 | 819 | 849 | 864 | 888 | 868 | 887 | 892 | 871 | 833 | 791 | 788 | 32 | 13 | 8 | 29 | 67 | 109 | 112 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 12 | 0 | 19 | 5 | -21 | -38 | -42 | -3 | 6 | 6 | 6 | 1 | 1 | 1 | 5 | 26 | 312 |
| 1947 | 780 | 786 | 794 | 800 | 825 | 847 | 857 | 852 | 835 | 783 | 729 | 722 | 53 | 43 | 48 | 65 | 117 | 171 | 178 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -22 | 10 | -5 | -17 | -52 | -54 | -7 | 6 | 6 | 6 | 2 | 1 | 1 | 4 | 25 | 175 |
| 1948 | 725 | 727 | 722 | 758 | 811 | 781 | 841 | 870 | 876 | 843 | 827 | 821 | 119 | 59 | 30 | 24 | 57 | 73 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 20 | 60 | 29 | 6 | -33 | -16 | -6 | 6 | 6 | 6 | 6 | 1 | 2 | 4 | 31 | 217 |
| 1949 | 814 | 812 | 812 | 817 | 823 | 843 | 862 | 866 | 845 | 799 | 754 | 749 | 57 | 38 | 34 | 55 | 101 | 146 | 151 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 20 | 19 | 4 | -21 | -46 | -45 | -5 | 6 | 6 | 6 | 1 | 1 | 1 | 5 | 26 | 182 |
| 1950 | 736 | 736 | 737 | 767 | 815 | 846 | 879 | 898 | 893 | 855 | 827 | 827 | 54 | 21 | 2 | 7 | 45 | 73 | 73 | 1 | 1 | 5 | 4 | 1 | 1 | 1 | 1 | 14 | 31 | 33 | 19 | -5 | -38 | -28 | 0 | 6 | 6 | 6 | 5 | 1 | 1 | 6 | 31 | 434 |
| 1951 | 830 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 891 | 850 | 822 | 823 | 30 | 14 | 0 | 9 | 50 | 78 | 77 | 1 | 3 | 6 | 4 | 1 | 1 | 1 | 1 | 17 | 12 | 16 | 14 | -9 | -41 | -28 | 1 | 6 | 6 | 6 | 4 | 1 | 1 | 6 | 30 | 510 |
| 1952 | 827 | 830 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 890 | 899 | 887 | 38 | 6 | 0 | 0 | 0 | 1 | 13 | 1 | 4 | 6 | 6 | 6 | 5 | 3 | 31 | 10 | 32 | 6 | 0 | 0 | -1 | -12 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 38 | 1178 | |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 869 | 870 | 33 | 17 | 0 | 0 | 30 | 31 | 30 | 1 | 2 | 6 | 6 | 1 | 1 | 1 | 1 | 18 | 0 | 16 | 17 | 0 | -30 | -1 | 1 | 6 | 6 | 6 | 6 | 1 | 5 | 6 | 36 | 648 |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 863 | 848 | 800 | 754 | 754 | 41 | 17 | 37 | 52 | 100 | 146 | 146 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 2 | 24 | -20 | -15 | -48 | -46 | 0 | 6 | 6 | 2 | 3 | 1 | 1 | 6 | 25 | 200 |
| 1955 | 755 | 757 | 765 | 778 | 817 | 799 | 809 | 823 | 797 | 735 | 715 | 712 | 101 | 91 | 77 | 103 | 165 | 185 | 188 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 10 | 14 | -26 | -62 | -20 | -3 | 6 | 6 | 6 | 1 | 1 | 2 | 5 | 27 | 189 |
| 1956 | 703 | 699 | 849 | 849 | 849 | 864 | 892 | 900 | 872 | 870 | 873 | 36 | 8 | 0 | 0 | 28 | 30 | 27 | 1 | 1 | 4 | 6 | 6 | 1 | 1 | 1 | 1 | 20 | 15 | 28 | 8 | 0 | -28 | -2 | 3 | 6 | 6 | 6 | 6 | 1 | 5 | 6 | 36 | 720 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 881 | 866 | 828 | 790 | 796 | 37 | 37 | 19 | 34 | 72 | 110 | 104 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 10 | 0 | 18 | -15 | -38 | -38 | 6 | 6 | 6 | 6 | 3 | 1 | 1 | 6 | 29 | 232 |
| 1958 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Flow Alternative 3

STUDY: 1995C06F-SWRCB-506 DWRSIM: reciro818-d, 21 May 97
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-506/10/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 942 | 948 | 954 | 968 | 978 | 977 | 993 | 1015 | 1008 | 996 | 987 |
| 1923 | 986 | 990 | 998 | 1006 | 1013 | 1013 | 1015 | 1020 | 1010 | 1013 | 1001 | 994 |
| 1924 | 993 | 994 | 997 | 1000 | 1003 | 1003 | 997 | 991 | 979 | 969 | 957 | 953 |
| 1925 | 948 | 950 | 954 | 957 | 976 | 987 | 987 | 997 | 1001 | 997 | 985 | 978 |
| 1926 | 975 | 976 | 979 | 981 | 992 | 993 | 995 | 992 | 981 | 967 | 954 | 946 |
| 1927 | 943 | 946 | 954 | 962 | 980 | 991 | 997 | 1000 | 1007 | 1000 | 991 | 984 |
| 1928 | 985 | 991 | 995 | 998 | 1005 | 1023 | 1023 | 1026 | 1020 | 1010 | 1000 | 994 |
| 1929 | 990 | 992 | 995 | 997 | 1000 | 1001 | 997 | 995 | 989 | 979 | 969 | 962 |
| 1930 | 958 | 959 | 962 | 966 | 972 | 980 | 980 | 975 | 974 | 964 | 953 | 944 |
| 1931 | 945 | 948 | 950 | 953 | 955 | 957 | 952 | 945 | 934 | 924 | 909 | 900 |
| 1932 | 899 | 902 | 913 | 921 | 936 | 942 | 943 | 957 | 970 | 965 | 955 | 947 |
| 1933 | 947 | 949 | 953 | 955 | 958 | 960 | 954 | 951 | 950 | 938 | 925 | 916 |
| 1934 | 911 | 915 | 921 | 925 | 931 | 937 | 931 | 921 | 903 | 886 | 867 | 856 |
| 1935 | 847 | 849 | 853 | 861 | 868 | 878 | 896 | 932 | 945 | 937 | 926 | 918 |
| 1936 | 917 | 921 | 924 | 935 | 959 | 970 | 982 | 998 | 1003 | 997 | 987 | 979 |
| 1937 | 979 | 982 | 986 | 990 | 1001 | 1011 | 1011 | 1029 | 1030 | 1019 | 1008 | 1001 |
| 1938 | 1001 | 1003 | 1013 | 1022 | 1041 | 1055 | 1063 | 1088 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1042 | 1031 | 1020 | 1008 | 1001 |
| 1940 | 999 | 999 | 1002 | 1013 | 1028 | 1044 | 1050 | 1060 | 1060 | 1050 | 1039 | 1032 |
| 1941 | 1031 | 1033 | 1037 | 1044 | 1050 | 1055 | 1052 | 1066 | 1072 | 1066 | 1056 | 1049 |
| 1942 | 1048 | 1049 | 1050 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1068 | 1061 | 1052 | 1045 |
| 1944 | 1043 | 1044 | 1046 | 1047 | 1050 | 1053 | 1048 | 1047 | 1043 | 1031 | 1019 | 1011 |
| 1945 | 1010 | 1014 | 1018 | 1024 | 1038 | 1045 | 1043 | 1054 | 1060 | 1053 | 1043 | 1035 |
| 1946 | 1035 | 1039 | 1048 | 1050 | 1050 | 1054 | 1054 | 1061 | 1060 | 1051 | 1040 | 1033 |
| 1947 | 1032 | 1035 | 1037 | 1040 | 1043 | 1045 | 1037 | 1032 | 1021 | 1009 | 996 | 988 |
| 1948 | 985 | 986 | 988 | 990 | 991 | 994 | 994 | 996 | 1003 | 997 | 988 | 981 |
| 1949 | 978 | 981 | 984 | 987 | 990 | 996 | 995 | 999 | 997 | 987 | 976 | 968 |
| 1950 | 965 | 965 | 968 | 976 | 985 | 994 | 994 | 999 | 1005 | 998 | 987 | 979 |
| 1951 | 976 | 1009 | 1048 | 1050 | 1050 | 1055 | 1054 | 1054 | 1050 | 1038 | 1026 | 1018 |
| 1952 | 1017 | 1020 | 1027 | 1041 | 1050 | 1055 | 1058 | 1087 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1051 | 1045 | 1051 | 1043 | 1030 | 1023 |
| 1954 | 1020 | 1022 | 1025 | 1028 | 1030 | 1037 | 1036 | 1038 | 1030 | 1018 | 1005 | 997 |
| 1955 | 995 | 997 | 1000 | 1005 | 1005 | 1008 | 1003 | 1001 | 1000 | 991 | 979 | 970 |
| 1956 | 968 | 971 | 1001 | 1027 | 1041 | 1050 | 1049 | 1062 | 1072 | 1067 | 1056 | 1050 |
| 1957 | 1048 | 1050 | 1050 | 1050 | 1050 | 1055 | 1046 | 1050 | 1053 | 1042 | 1030 | 1021 |
| 1958 | 1017 | 1019 | 1021 | 1028 | 1037 | 1051 | 1057 | 1084 | 1088 | 1082 | 1072 | 1065 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1049 | 1037 | 1026 | 1014 | 1002 | 995 |
| 1960 | 991 | 993 | 995 | 997 | 1002 | 1008 | 1006 | 1002 | 996 | 985 | 973 | 963 |
| 1961 | 955 | 959 | 963 | 965 | 968 | 971 | 967 | 962 | 951 | 940 | 929 | 923 |
| 1962 | 922 | 924 | 927 | 929 | 940 | 946 | 948 | 948 | 950 | 942 | 929 | 921 |
| 1963 | 916 | 921 | 925 | 933 | 952 | 954 | 955 | 978 | 983 | 977 | 964 | 957 |
| 1964 | 958 | 963 | 967 | 973 | 975 | 978 | 973 | 968 | 963 | 951 | 939 | 930 |
| 1965 | 926 | 930 | 961 | 988 | 1001 | 1009 | 1017 | 1018 | 1023 | 1017 | 1005 | 999 |
| 1966 | 998 | 1002 | 1007 | 1013 | 1018 | 1023 | 1021 | 1025 | 1017 | 1007 | 998 | 990 |
| 1967 | 988 | 991 | 1001 | 1012 | 1020 | 1031 | 1033 | 1055 | 1081 | 1084 | 1074 | 1069 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1048 | 1044 | 1034 | 1022 | 1008 | 1000 |
| 1969 | 998 | 1001 | 1004 | 1034 | 1050 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1048 | 1053 | 1054 | 1043 | 1029 | 1022 |
| 1971 | 1021 | 1025 | 1033 | 1041 | 1045 | 1051 | 1044 | 1048 | 1052 | 1042 | 1029 | 1022 |
| 1972 | 1018 | 1021 | 1027 | 1033 | 1033 | 1037 | 1024 | 1027 | 1018 | 1005 | 992 | 982 |
| 1973 | 979 | 982 | 988 | 1001 | 1016 | 1027 | 1027 | 1036 | 1037 | 1025 | 1012 | 1005 |
| 1974 | 1005 | 1011 | 1021 | 1034 | 1043 | 1055 | 1059 | 1070 | 1071 | 1061 | 1050 | 1043 |
| 1975 | 1042 | 1044 | 1047 | 1050 | 1050 | 1055 | 1050 | 1050 | 1063 | 1055 | 1043 | 1036 |
| 1976 | 1034 | 1037 | 1040 | 1042 | 1044 | 1047 | 1042 | 1036 | 1026 | 1017 | 1007 | 1002 |
| 1977 | 1001 | 1003 | 1004 | 1004 | 1005 | 1005 | 998 | 990 | 982 | 971 | 959 | 953 |
| 1978 | 952 | 951 | 955 | 966 | 978 | 996 | 1003 | 1018 | 1026 | 1021 | 1009 | 1004 |
| 1979 | 1004 | 1006 | 1010 | 1018 | 1031 | 1044 | 1045 | 1054 | 1051 | 1039 | 1025 | 1018 |
| 1980 | 1019 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1050 | 1044 | 1031 | 1018 | 1005 | 999 |
| 1982 | 997 | 1004 | 1019 | 1039 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1074 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1081 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1049 | 1055 | 1054 | 1046 | 1035 | 1029 |
| 1985 | 1029 | 1034 | 1039 | 1042 | 1045 | 1049 | 1041 | 1039 | 1027 | 1015 | 1003 | 997 |
| 1986 | 996 | 999 | 1002 | 1011 | 1050 | 1055 | 1056 | 1061 | 1065 | 1057 | 1047 | 1042 |
| 1987 | 1041 | 1043 | 1046 | 1046 | 1048 | 1051 | 1046 | 1038 | 1029 | 1021 | 1014 | 1010 |
| 1988 | 1005 | 1005 | 1005 | 1007 | 1008 | 1010 | 1006 | 1000 | 993 | 985 | 977 | 971 |
| 1989 | 970 | 970 | 971 | 972 | 974 | 986 | 984 | 981 | 976 | 965 | 954 | 949 |
| 1990 | 952 | 955 | 959 | 962 | 965 | 970 | 963 | 953 | 942 | 930 | 921 | 912 |
| 1991 | 911 | 912 | 917 | 917 | 917 | 923 | 920 | 916 | 905 | 888 | 871 | 863 |
| 1992 | 865 | 867 | 872 | 876 | 887 | 895 | 887 | 873 | 856 | 842 | 825 | 816 |
| 1993 | 819 | 824 | 831 | 850 | 930 | 964 | 968 | 967 | 978 | 970 | 959 | 954 |
| 1994 | 954 | 955 | 958 | 959 | 960 | 966 | 962 | 960 | 952 | 942 | 931 | 926 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 111 | 95 | 73 | 80 | 92 |
| 75 | 70 | 73 | 68 | 68 | 75 | 87 |
| 85 | 85 | 91 | 97 | 109 | 119 | 131 |
| 112 | 101 | 101 | 91 | 87 | 91 | 103 |
| 96 | 95 | 93 | 96 | 107 | 121 | 134 |
| 108 | 97 | 91 | 88 | 81 | 88 | 97 |
| 83 | 65 | 65 | 62 | 68 | 78 | 88 |
| 88 | 87 | 91 | 93 | 99 | 109 | 119 |
| 116 | 108 | 108 | 113 | 114 | 124 | 135 |
| 133 | 131 | 136 | 143 | 154 | 164 | 179 |
| 152 | 146 | 145 | 131 | 118 | 123 | 133 |
| 130 | 128 | 134 | 137 | 138 | 150 | 163 |
| 157 | 151 | 157 | 167 | 185 | 202 | 221 |
| 220 | 210 | 192 | 156 | 143 | 151 | 162 |
| 129 | 118 | 106 | 90 | 85 | 91 | 101 |
| 87 | 77 | 77 | 59 | 58 | 69 | 80 |
| 47 | 33 | 25 | 0 | 0 | 4 | 13 |
| 38 | 36 | 38 | 46 | 57 | 68 | 80 |
| 60 | 44 | 38 | 28 | 28 | 38 | 49 |
| 38 | 33 | 36 | 22 | 16 | 22 | 32 |
| 38 | 33 | 33 | 21 | 7 | 10 | 21 |
| 38 | 33 | 27 | 20 | 20 | 27 | 36 |
| 38 | 35 | 40 | 41 | 45 | 57 | 69 |
| 38 | 43 | 45 | 34 | 28 | 35 | 45 |
| 50 | 34 | 34 | 27 | 28 | 37 | 48 |
| 45 | 43 | 51 | 56 | 67 | 79 | 92 |
| 97 | 94 | 94 | 92 | 85 | 91 | 100 |
| 98 | 92 | 93 | 89 | 91 | 101 | 112 |
| 103 | 94 | 94 | 89 | 83 | 90 | 101 |
| 38 | 33 | 34 | 34 | 38 | 50 | 62 |
| 38 | 33 | 30 | 1 | 0 | 2 | 12 |
| 38 | 34 | 37 | 43 | 37 | 45 | 58 |
| 58 | 51 | 52 | 50 | 58 | 70 | 83 |
| 83 | 80 | 85 | 87 | 88 | 97 | 109 |
| 47 | 38 | 39 | 26 | 16 | 21 | 32 |
| 38 | 33 | 42 | 38 | 35 | 46 | 58 |
| 51 | 37 | 31 | 4 | 0 | 6 | 16 |
| 38 | 35 | 39 | 51 | 62 | 74 | 86 |
| 86 | 80 | 82 | 86 | 92 | 103 | 115 |
| 120 | 117 | 121 | 126 | 137 | 148 | 159 |
| 148 | 142 | 140 | 140 | 138 | 146 | 159 |
| 136 | 134 | 133 | 110 | 105 | 111 | 124 |
| 113 | 110 | 115 | 120 | 125 | 137 | 149 |
| 87 | 79 | 71 | 70 | 65 | 71 | 83 |
| 70 | 65 | 67 | 63 | 71 | 81 | 90 |
| 68 | 57 | 55 | 33 | 7 | 4 | 14 |
| 38 | 34 | 40 | 44 | 54 | 66 | 80 |
| 38 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 40 | 35 | 34 | 45 | 59 |
| 43 | 37 | 44 | 40 | 36 | 46 | 59 |
| 55 | 51 | 64 | 61 | 70 | 83 | 96 |
| 72 | 61 | 61 | 52 | 51 | 63 | 76 |
| 45 | 33 | 29 | 18 | 17 | 27 | 38 |
| 38 | 33 | 38 | 38 | 25 | 33 | 45 |
| 44 | 41 | 46 | 52 | 62 | 71 | 81 |
| 83 | 83 | 90 | 98 | 106 | 117 | 129 |
| 110 | 92 | 85 | 70 | 62 | 67 | 79 |
| 57 | 44 | 43 | 34 | 37 | 49 | 63 |
| 38 | 33 | 32 | 25 | 18 | 20 | 31 |
| 38 | 35 | 38 | 44 | 57 | | |

STUDY: 1995C06F-SWRCB-506 DWRSIM: recirc818-d, 21 May 97
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project :/1995C06F-SWRCB-506/81/ELEVATION/EOP/1/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|-----|-----|
| 1922 | 599 | 582 | 579 | 601 | 656 | 690 | 699 | 724 | 782 | 779 | 763 | 752 | 142 | 133 | 108 | 50 | 53 | 69 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 9 | 25 | 58 | -3 | -16 | -11 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 |
| 1923 | 746 | 745 | 748 | 761 | 776 | 784 | 789 | 792 | 792 | 785 | 770 | 760 | 48 | 43 | 40 | 40 | 47 | 62 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 5 | 3 | 0 | -7 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 |
| 1924 | 754 | 751 | 746 | 744 | 745 | 743 | 738 | 733 | 725 | 711 | 697 | 689 | 89 | 94 | 99 | 107 | 121 | 135 | 143 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -2 | -5 | -5 | -8 | -14 | -14 | -8 | 5 | 5 | 5 | 4 | 3 | 3 | 4 | 29 | 203 |
| 1925 | 685 | 686 | 687 | 691 | 712 | 731 | 744 | 757 | 758 | 747 | 730 | 718 | 101 | 88 | 75 | 74 | 85 | 102 | 114 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 19 | 13 | 13 | 1 | -11 | -17 | -12 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 |
| 1926 | 711 | 708 | 703 | 702 | 712 | 719 | 734 | 740 | 737 | 720 | 702 | 691 | 113 | 98 | 92 | 95 | 112 | 130 | 141 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 15 | 6 | -3 | -17 | -18 | -11 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 |
| 1927 | 686 | 685 | 690 | 698 | 732 | 748 | 761 | 762 | 782 | 775 | 759 | 748 | 748 | 761 | 762 | 782 | 775 | 759 | 748 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 13 | 1 | 20 | -7 | -16 | -11 | 6 | 6 | 6 | 6 | 4 | 2 | 3 | 33 | 231 |
| 1928 | 741 | 741 | 742 | 745 | 755 | 774 | 781 | 800 | 799 | 785 | 769 | 759 | 58 | 51 | 32 | 33 | 47 | 63 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 19 | 7 | 19 | -1 | -14 | -16 | -10 | 6 | 6 | 6 | 5 | 3 | 2 | 4 | 32 | 224 |
| 1929 | 752 | 747 | 742 | 742 | 745 | 747 | 747 | 751 | 751 | 741 | 731 | 723 | 85 | 85 | 81 | 81 | 91 | 101 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 4 | 0 | -10 | -10 | -8 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1930 | 720 | 716 | 713 | 713 | 720 | 728 | 730 | 733 | 733 | 723 | 712 | 704 | 104 | 102 | 99 | 99 | 109 | 120 | 128 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 2 | 3 | 0 | -10 | -11 | -8 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 |
| 1931 | 702 | 700 | 700 | 702 | 705 | 704 | 696 | 686 | 669 | 651 | 635 | 624 | 128 | 136 | 146 | 163 | 181 | 197 | 208 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | -8 | -10 | -17 | -18 | -16 | -11 | 5 | 4 | 4 | 2 | 2 | 2 | 3 | 22 | 154 |
| 1932 | 617 | 609 | 630 | 650 | 697 | 715 | 717 | 726 | 746 | 741 | 725 | 712 | 117 | 115 | 106 | 96 | 91 | 107 | 120 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 18 | 2 | 9 | 20 | -5 | -16 | -13 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 |
| 1933 | 703 | 695 | 689 | 688 | 695 | 699 | 696 | 693 | 714 | 701 | 684 | 670 | 133 | 136 | 139 | 118 | 131 | 148 | 162 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | -3 | -3 | 21 | -13 | -17 | -14 | 6 | 5 | 5 | 6 | 3 | 2 | 3 | 30 | 210 |
| 1934 | 661 | 659 | 656 | 660 | 674 | 685 | 685 | 679 | 674 | 653 | 635 | 622 | 147 | 147 | 153 | 158 | 179 | 197 | 210 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 0 | -6 | -5 | -21 | -18 | -13 | 6 | 6 | 4 | 5 | 1 | 2 | 3 | 27 | 189 |
| 1935 | 612 | 611 | 614 | 635 | 662 | 682 | 707 | 720 | 752 | 738 | 720 | 706 | 150 | 125 | 112 | 80 | 94 | 112 | 126 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 20 | 25 | 13 | 32 | -14 | -18 | -14 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 |
| 1936 | 698 | 696 | 690 | 696 | 741 | 759 | 768 | 788 | 806 | 796 | 781 | 770 | 73 | 64 | 44 | 26 | 36 | 51 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 18 | 9 | 20 | 18 | -10 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 238 |
| 1937 | 764 | 758 | 754 | 757 | 785 | 800 | 802 | 815 | 832 | 819 | 805 | 795 | 32 | 30 | 17 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 15 | 35 | 2 | 13 | 17 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 510 | |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 | 32 | 32 | 28 | 1 | 0 | 13 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 18 | 0 | 0 | 4 | 27 | 1 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 648 | |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 800 | 796 | 783 | 770 | 762 | 32 | 30 | 0 | 32 | 36 | 49 | 62 | 70 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | -2 | -4 | -13 | -13 | -8 | 6 | 6 | 5 | 5 | 3 | 3 | 4 | 32 | 224 |
| 1940 | 760 | 759 | 757 | 770 | 799 | 800 | 802 | 816 | 816 | 801 | 785 | 775 | 32 | 30 | 16 | 16 | 31 | 47 | 57 | 1 | 1 | 2 | 2 | 1 | 1 | 9 | 1 | 2 | 14 | 0 | -15 | -16 | -10 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 297 | |
| 1941 | 769 | 767 | 769 | 784 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 | 32 | 32 | 20 | 0 | 1 | 15 | 24 | 1 | 1 | 1 | 6 | 5 | 2 | 17 | 0 | 0 | 12 | 20 | -1 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 612 | |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 | 32 | 30 | 25 | 1 | 0 | 14 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 18 | 0 | 2 | 5 | 24 | 1 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 666 | |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 | 32 | 30 | 11 | 0 | 8 | 22 | 33 | 1 | 1 | 3 | 6 | 4 | 1 | 17 | 0 | 2 | 19 | 11 | -8 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 578 | |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 808 | 795 | 780 | 770 | 32 | 31 | 24 | 24 | 37 | 52 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 1 | 7 | 0 | -13 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | |
| 1945 | 765 | 766 | 769 | 775 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 | 32 | 30 | 25 | 1 | 7 | 22 | 33 | 1 | 1 | 5 | 4 | 1 | 1 | 14 | 0 | 2 | 5 | 24 | -6 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 476 | |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 806 | 790 | 774 | 763 | 32 | 30 | 26 | 26 | 42 | 58 | 69 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 4 | 0 | -16 | -16 | -11 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1947 | 757 | 756 | 759 | 762 | 770 | 775 | 772 | 776 | 770 | 757 | 743 | 736 | 57 | 60 | 56 | 62 | 75 | 89 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -3 | 4 | -6 | -13 | -14 | -7 | 6 | 5 | 6 | 4 | 3 | 3 | 4 | 31 | 217 | |
| 1948 | 733 | 732 | 731 | 732 | 733 | 734 | 730 | 738 | 765 | 753 | 736 | 725 | 98 | 102 | 94 | 67 | 79 | 96 | 107 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -4 | -8 | 27 | -12 | -17 | -11 | 6 | 5 | 6 | 6 | 3 | 2 | 3 | 31 | 217 | |
| 1949 | 719 | 712 | 707 | 706 | 713 | 725 | 732 | 742 | 742 | 724 | 703 | 690 | 107 | 100 | 90 | 90 | 108 | 129 | 142 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 7 | 10 | 0 | -18 | -21 | -13 | 6 | 6 | 6 | 6 | 2 | 1 | 3 | 30 | 210 | |
| 1950 | 683 | 675 | 668 | 674 | 696 | 709 | 719 | 733 | 733 | 715 | 695 | 682 | 123 | 113 | 99 | 99 | 117 | 137 | 150 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 10 | 14 | 0 | -18 | -20 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1951 | 675 | 729 | 780 | 800 | 800 | 800 | 798 | 794 | 794 | 779 | 765 | 754 | 32 | 34 | 38 | 38 | 53 | 67 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -2 | -4 | 0 | -15 | -14 | -11 | 6 | 5 | 5 | 6 | 3 | 3 | 3 | 31 | 217 | |
| 1952 | 748 | 746 | 752 | 778 | 799 | 800 | 800 | 820 | 832 | 832 | 819 | 808 | 32 | 32 | 12 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 21 | 1 | 0 | 20 | 12 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 | |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 800 | 800 | 809 | 806 | 792 | 782 | 32 | 32 | 32 | 23 | 26 | 40 | 50 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | 0 | 9 | -3 | -14 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 252 | |
| 1954 | 778 | 773 | 770 | 772 | 781 | 793 | 802 | 819 | 819 | 804 | 789 | 779 | 39 | 30 | 13 | 13 | 28 | 43 | 53 | 1 | 1 | 3 | 3 | 1 | 1 | 11 | 12 | 9 | 17 | 0 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 | |
| 1955 | 773 | 769 | 768 | 774 | 780 | 782 | 779 | 782 | 783 | 770 | 758 | 750 | 50 | 53 | 50 | 49 | 62 | 74 | 82 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -3 | 3 | 1 | -13 | -12 | -8 | 6 | 5 | 6 | 6 | 3 | 3 | 4 | 33 | 231 | |
| 1956 | 745 | 741 | 791 | 800 | 800 | 800 | 801 | 817 | 832 | 832 | 818 | 808 | 32 | 31 | 15 | 0 | 0 | 14 | 24 | 1 | 1 | 2 | 6 | 6 | 3 | 20 | 0 | 1 | 16 | 15 | 0 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 740 | |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 805 | 827 | 814 | 800 | 791 | 32 | 32 | 27 | 5 | 18 | 32 | 41 | 1 | 1 | 1 | 4 | 2 | 1 | 11 | 1 | 0 | 5 | 22 | -13 | -14 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 | |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 | 32 | 32 | 11 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 21 | 0 | 0 | 21 | 11 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | | | | |

STUDY: 1995C06F-SWRCB-506 DWRSIM: recirc818-d, 21 May 97
 CP # 20, LAKE McCULLURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-506/20/ELEVATION-EOP/1/MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 867

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|---|---|---|----|------|-----|-----|
| 1922 | 680 | 680 | 696 | 712 | 759 | 779 | 789 | 845 | 867 | 860 | 847 | 837 | 88 | 78 | 22 | 0 | 7 | 20 | 30 | 1 | 1 | 1 | 6 | 4 | 1 | 1 | 15 | 20 | 10 | 26 | 22 | -7 | -13 | -10 | 4 | 35 | 525 | | | | | | | |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 818 | 847 | 847 | 837 | 822 | 810 | 54 | 49 | 20 | 20 | 30 | 45 | 57 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 5 | 29 | 0 | -10 | -15 | -12 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 238 | | |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 806 | 804 | 792 | 773 | 760 | 749 | 60 | 61 | 63 | 75 | 94 | 107 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | -1 | -2 | -12 | -19 | -13 | -11 | 5 | 5 | 3 | 2 | 3 | 3 | 26 | 182 | | |
| 1925 | 749 | 754 | 760 | 765 | 789 | 798 | 818 | 842 | 842 | 829 | 813 | 801 | 69 | 49 | 25 | 25 | 38 | 54 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 20 | 24 | 0 | -13 | -16 | -12 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | | |
| 1926 | 800 | 799 | 800 | 802 | 808 | 814 | 830 | 829 | 828 | 824 | 817 | 809 | 53 | 37 | 38 | 39 | 43 | 50 | 58 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 6 | 16 | -1 | -1 | -4 | -7 | -8 | 6 | 6 | 5 | 5 | 4 | 4 | 35 | 245 | | |
| 1927 | 807 | 808 | 808 | 808 | 808 | 815 | 818 | 849 | 850 | 845 | 842 | 840 | 52 | 49 | 18 | 17 | 22 | 25 | 27 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 9 | 7 | 3 | 31 | 1 | -5 | -3 | -2 | 6 | 6 | 6 | 6 | 5 | 5 | 39 | 351 | | |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 820 | 818 | 812 | 809 | 805 | 58 | 59 | 47 | 49 | 55 | 58 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -1 | 12 | -2 | -6 | -3 | -4 | 6 | 5 | 6 | 5 | 4 | 5 | 36 | 252 | | |
| 1929 | 805 | 804 | 804 | 803 | 806 | 807 | 809 | 810 | 810 | 810 | 811 | 804 | 60 | 58 | 57 | 57 | 57 | 56 | 63 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 2 | 1 | 0 | 0 | 1 | -7 | 6 | 6 | 6 | 6 | 6 | 4 | 40 | 280 | | |
| 1930 | 803 | 802 | 802 | 802 | 802 | 798 | 800 | 800 | 800 | 801 | 801 | 799 | 69 | 67 | 67 | 67 | 66 | 66 | 68 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | -2 | 0 | 0 | 1 | 0 | -2 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 40 | 280 | |
| 1931 | 798 | 798 | 798 | 798 | 800 | 800 | 797 | 796 | 783 | 764 | 748 | 737 | 67 | 70 | 71 | 64 | 103 | 119 | 130 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -3 | -1 | -13 | -19 | -16 | -11 | 6 | 5 | 5 | 3 | 2 | 2 | 3 | 26 | 182 | |
| 1932 | 735 | 736 | 759 | 770 | 805 | 814 | 823 | 850 | 867 | 857 | 843 | 832 | 53 | 44 | 17 | 0 | 10 | 24 | 35 | 1 | 1 | 2 | 6 | 3 | 1 | 1 | 15 | 9 | 9 | 27 | 17 | -10 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 510 | |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 812 | 812 | 826 | 812 | 797 | 788 | 56 | 55 | 55 | 41 | 55 | 70 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 1 | 0 | 14 | -14 | -15 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | |
| 1934 | 786 | 785 | 789 | 795 | 803 | 811 | 816 | 812 | 803 | 786 | 773 | 763 | 56 | 51 | 55 | 64 | 81 | 94 | 104 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 5 | -4 | -9 | -17 | -13 | -10 | 6 | 6 | 5 | 4 | 2 | 3 | 4 | 30 | 210 | |
| 1935 | 762 | 766 | 771 | 789 | 800 | 810 | 840 | 859 | 867 | 854 | 839 | 828 | 57 | 27 | 8 | 0 | 13 | 28 | 30 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 10 | 30 | 19 | 8 | -13 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 | |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 | 47 | 27 | 8 | 2 | 14 | 29 | 40 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 6 | -12 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 | |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 | 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 12 | 14 | 25 | 8 | -14 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 | |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 | 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 | 1 | 4 | 6 | 6 | 3 | 1 | 22 | 12 | 20 | 19 | 8 | 0 | -12 | -15 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 36 | 792 | |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 830 | 819 | 801 | 784 | 773 | 51 | 36 | 37 | 48 | 66 | 83 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 15 | -1 | -11 | -18 | -17 | -11 | 6 | 6 | 5 | 3 | 2 | 2 | 3 | 27 | 189 | |
| 1940 | 773 | 774 | 775 | 802 | 808 | 820 | 837 | 859 | 856 | 840 | 823 | 810 | 47 | 30 | 8 | 11 | 27 | 44 | 57 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 12 | 12 | 17 | 22 | -3 | -16 | -17 | -13 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 360 | |
| 1941 | 807 | 807 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 864 | 851 | 840 | 47 | 33 | 8 | 0 | 3 | 16 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 14 | 25 | 8 | -3 | -13 | -11 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 700 | |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 861 | 852 | 840 | 47 | 29 | 8 | 0 | 6 | 15 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 12 | 18 | 21 | 8 | -6 | -9 | -12 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | 35 | 665 | |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 862 | 851 | 836 | 825 | 47 | 27 | 8 | 5 | 16 | 31 | 42 | 1 | 1 | 4 | 4 | 2 | 1 | 1 | 14 | 12 | 20 | 19 | 3 | -11 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 462 | |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 834 | 835 | 821 | 803 | 789 | 50 | 52 | 33 | 32 | 46 | 64 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -2 | 19 | 1 | -14 | -18 | -14 | 6 | 5 | 6 | 6 | 3 | 2 | 3 | 31 | 217 | | |
| 1945 | 787 | 794 | 800 | 804 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 832 | 47 | 34 | 11 | 0 | 11 | 25 | 35 | 1 | 1 | 3 | 6 | 3 | 1 | 1 | 16 | 12 | 13 | 23 | 11 | -11 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 544 | |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 834 | 857 | 856 | 841 | 825 | 811 | 49 | 33 | 10 | 11 | 26 | 42 | 56 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 11 | 10 | 16 | 23 | 1 | -15 | -16 | -14 | 6 | 6 | 6 | 5 | 3 | 2 | 3 | 31 | 341 | |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 815 | 820 | 812 | 795 | 778 | 769 | 52 | 52 | 47 | 55 | 72 | 89 | 98 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 0 | 5 | -8 | -17 | -17 | -9 | 6 | 6 | 6 | 4 | 2 | 2 | 4 | 30 | 210 | |
| 1948 | 768 | 769 | 770 | 772 | 774 | 774 | 776 | 800 | 820 | 803 | 784 | 768 | 93 | 91 | 67 | 47 | 64 | 83 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 24 | 20 | -17 | -19 | -16 | 6 | 6 | 6 | 6 | 2 | 2 | 2 | 30 | 210 | |
| 1949 | 766 | 765 | 766 | 767 | 771 | 780 | 781 | 801 | 800 | 777 | 754 | 735 | 87 | 86 | 66 | 67 | 90 | 113 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 1 | 20 | -1 | -23 | -23 | -19 | 6 | 6 | 6 | 5 | 1 | 1 | 2 | 27 | 189 | |
| 1950 | 731 | 730 | 731 | 740 | 757 | 761 | 775 | 800 | 801 | 779 | 756 | 737 | 106 | 92 | 67 | 66 | 88 | 111 | 130 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | 14 | 25 | 1 | -22 | -23 | -19 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | 2 | 28 | 196 |
| 1951 | 734 | 737 | 740 | 750 | 766 | 776 | 781 | 819 | 817 | 796 | 774 | 759 | 48 | 48 | 48 | 50 | 71 | 93 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 0 | 0 | -2 | -21 | -22 | -15 | 6 | 6 | 6 | 5 | 1 | 1 | 3 | 28 | 196 | |
| 1952 | 755 | 756 | 769 | 780 | 804 | 820 | 840 | 859 | 867 | 864 | 852 | 840 | 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 20 | 19 | 8 | -3 | -12 | -12 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 700 | |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 809 | 810 | 810 | 796 | 775 | 760 | 58 | 58 | 57 | 57 | 71 | 92 | 107 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 0 | 1 | 0 | -14 | -21 | -15 | 6 | 6 | 6 | 6 | 3 | 1 | 3 | 31 | 217 | |
| 1954 | 756 | 756 | 757 | 760 | 770 | 784 | 802 | 823 | 814 | 793 | 771 | 755 | 83 | 65 | 44 | 53 | 74 | 96 | 112 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 18 | 21 | -9 | -21 | -22 | -16 | 6 | 6 | 6 | 4 | 1 | 1 | 2 | 26 | 182 | |
| 1955 | 752 | 750 | 754 | 761 | 766 | 766 | 767 | 783 | 785 | 767 | 748 | 735 | 101 | 100 | 84 | 82 | 100 | 119 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 1 | 16 | 2 | -18 | -19 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1956 | 732 | 732 | 808 | 808 | 808 | 819 | 819 | 853 | 867 | 863 | 850 | 840 | 48 | 48 | 14 | 0 | 4 | 17 | 27 | 1 | 1 | 3 | 6 | 5 | 2 | 1 | 19 | 11 | 0 | 34 | 14 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 684 | |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 814 | 817 | 798 | 778 | 763 | 54 | 54 | 53 | 50 | 69 | 89 | 104 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 0 | 1 | 3 | -19 | -20 | -15 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1958 | 759 | 760 | 765 | 772 | 791 | 817 | 840 | 859 | 867 | 862 | 850 | 840 | 50 | 27 | 8 | 0 | 5 | 17 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 26 | 23 | 19 | 8 | -5 | -12 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36</ | | |

STUDY: 1995C06F-SWRCB-506 DWRSIM: recirc18-1, 17 Jun 97
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-506/18/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else 1
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else 1
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 484 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 484 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 481 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 564 | 520 | 503 | |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 487 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|------|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 22 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 7 |
| 73 | 70 | 65 | 71 | 98 | 112 | 93 | 1 |
| 83 | 62 | 44 | 54 | 77 | 103 | 101 | 1 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 | 1 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 | 1 |
| 73 | 66 | 60 | 68 | 94 | 110 | 110 | 1 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | 1 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 1 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 1 |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 | 1 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | 5 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | 1 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 | 6 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 1 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 4 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 1 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 1 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 1 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 1 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 | 1 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 1 |
| 9 | 17 | 50 | 0 | 5 | 61 | 68 | 4 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 1 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | 1 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | 1 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 | 6 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | 1 |
| 11 | 0 | 0 | 19 | 60 | 78 | | 3 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | 1 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | 1 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | 1 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | 1 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | 2 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | 1 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | 1 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | 1 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | 4 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | 1 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | 1 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | 1 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | 1 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | 1 |
| 16 | 26 | 0 | 0 | 34 | 93 | 99 | 2 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 | 1 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 | 1 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 | 1 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 | 1 |
| 24 | 66 | 78 | 0 | 0 | 28</ | | |

Flow Alternative 3

STUDY: 1995C06F-SWRCB-506 DWRSIM: recirc18-1, 17 Jun 97
 CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project /1995C06F-SWRCB-506/12/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 441 | 475 | 520 | 539 | 544 | 543 | 539 | 524 | 477 | 432 | 442 |
| 1923 | 473 | 497 | 502 | 517 | 527 | 534 | 529 | 507 | 473 | 448 | 418 | 405 |
| 1924 | 420 | 433 | 461 | 508 | 528 | 528 | 520 | 497 | 464 | 426 | 389 | 384 |
| 1925 | 385 | 395 | 439 | 470 | 517 | 528 | 521 | 495 | 453 | 409 | 351 | 334 |
| 1926 | 374 | 390 | 407 | 463 | 505 | 516 | 511 | 487 | 451 | 438 | 385 | 371 |
| 1927 | 401 | 440 | 477 | 523 | 541 | 544 | 540 | 530 | 499 | 464 | 414 | 423 |
| 1928 | 457 | 488 | 500 | 515 | 527 | 533 | 527 | 506 | 458 | 437 | 415 | 402 |
| 1929 | 414 | 440 | 469 | 517 | 532 | 541 | 532 | 518 | 495 | 467 | 436 | 433 |
| 1930 | 433 | 438 | 482 | 531 | 542 | 544 | 526 | 495 | 465 | 456 | 437 | 414 |
| 1931 | 418 | 423 | 424 | 467 | 481 | 485 | 475 | 462 | 452 | 422 | 370 | 366 |
| 1932 | 377 | 376 | 439 | 498 | 526 | 526 | 518 | 499 | 479 | 472 | 441 | 426 |
| 1933 | 442 | 449 | 449 | 493 | 513 | 521 | 518 | 506 | 479 | 444 | 399 | 398 |
| 1934 | 412 | 412 | 457 | 509 | 519 | 519 | 507 | 484 | 458 | 433 | 403 | 391 |
| 1935 | 389 | 410 | 429 | 489 | 497 | 528 | 530 | 507 | 472 | 429 | 360 | 356 |
| 1936 | 395 | 416 | 435 | 489 | 532 | 543 | 543 | 526 | 493 | 458 | 416 | 410 |
| 1937 | 429 | 442 | 467 | 516 | 535 | 545 | 544 | 540 | 511 | 462 | 412 | 405 |
| 1938 | 437 | 470 | 499 | 515 | 530 | 540 | 544 | 544 | 537 | 504 | 471 | 486 |
| 1939 | 513 | 522 | 526 | 539 | 544 | 544 | 526 | 495 | 463 | 450 | 434 | 414 |
| 1940 | 419 | 416 | 409 | 475 | 516 | 523 | 523 | 500 | 463 | 435 | 354 | 353 |
| 1941 | 392 | 425 | 463 | 515 | 538 | 542 | 539 | 536 | 521 | 472 | 431 | 450 |
| 1942 | 482 | 495 | 500 | 516 | 528 | 532 | 528 | 520 | 511 | 464 | 423 | 440 |
| 1943 | 472 | 487 | 492 | 507 | 519 | 531 | 533 | 537 | 508 | 464 | 415 | 422 |
| 1944 | 455 | 486 | 501 | 516 | 530 | 537 | 518 | 487 | 453 | 439 | 421 | 411 |
| 1945 | 417 | 454 | 490 | 517 | 533 | 539 | 530 | 504 | 467 | 448 | 409 | 402 |
| 1946 | 439 | 472 | 497 | 512 | 523 | 530 | 517 | 490 | 449 | 428 | 411 | 399 |
| 1947 | 419 | 453 | 486 | 515 | 528 | 536 | 521 | 487 | 452 | 437 | 425 | 404 |
| 1948 | 410 | 422 | 435 | 488 | 503 | 524 | 523 | 501 | 464 | 417 | 342 | 351 |
| 1949 | 382 | 408 | 438 | 484 | 506 | 537 | 519 | 489 | 447 | 427 | 407 | 394 |
| 1950 | 406 | 420 | 434 | 487 | 524 | 532 | 520 | 491 | 455 | 432 | 413 | 403 |
| 1951 | 426 | 457 | 493 | 523 | 534 | 539 | 526 | 506 | 464 | 435 | 411 | 406 |
| 1952 | 432 | 461 | 491 | 520 | 533 | 538 | 542 | 544 | 536 | 510 | 492 | 499 |
| 1953 | 506 | 514 | 519 | 532 | 542 | 544 | 529 | 515 | 493 | 469 | 430 | 447 |
| 1954 | 478 | 494 | 501 | 516 | 527 | 533 | 526 | 508 | 460 | 436 | 415 | 403 |
| 1955 | 435 | 465 | 494 | 518 | 530 | 537 | 520 | 494 | 467 | 461 | 425 | 418 |
| 1956 | 431 | 453 | 495 | 528 | 542 | 544 | 538 | 528 | 506 | 475 | 434 | 444 |
| 1957 | 470 | 495 | 500 | 514 | 527 | 533 | 523 | 500 | 466 | 446 | 430 | 420 |
| 1958 | 452 | 481 | 506 | 522 | 534 | 537 | 538 | 538 | 504 | 494 | 474 | 488 |
| 1959 | 496 | 505 | 509 | 523 | 534 | 541 | 521 | 488 | 453 | 438 | 426 | 421 |
| 1960 | 432 | 446 | 457 | 504 | 539 | 544 | 525 | 491 | 458 | 437 | 380 | 358 |
| 1961 | 376 | 414 | 452 | 501 | 534 | 544 | 523 | 487 | 457 | 445 | 430 | 407 |
| 1962 | 412 | 419 | 456 | 492 | 530 | 535 | 517 | 485 | 433 | 402 | 326 | 336 |
| 1963 | 376 | 411 | 443 | 489 | 522 | 529 | 528 | 520 | 496 | 465 | 431 | 445 |
| 1964 | 475 | 503 | 515 | 531 | 541 | 544 | 518 | 482 | 437 | 413 | 391 | 395 |
| 1965 | 401 | 431 | 466 | 516 | 531 | 538 | 539 | 525 | 492 | 464 | 419 | 428 |
| 1966 | 458 | 487 | 497 | 512 | 523 | 529 | 512 | 481 | 435 | 413 | 397 | 387 |
| 1967 | 401 | 437 | 476 | 515 | 528 | 534 | 538 | 541 | 534 | 522 | 502 | 505 |
| 1968 | 512 | 523 | 527 | 540 | 544 | 544 | 529 | 496 | 458 | 440 | 423 | 417 |
| 1969 | 432 | 462 | 495 | 523 | 536 | 544 | 544 | 544 | 537 | 517 | 489 | 504 |
| 1970 | 517 | 526 | 530 | 544 | 544 | 544 | 534 | 511 | 470 | 449 | 414 | 409 |
| 1971 | 431 | 464 | 496 | 514 | 524 | 530 | 520 | 503 | 476 | 455 | 435 | 448 |
| 1972 | 475 | 502 | 513 | 528 | 540 | 544 | 526 | 493 | 453 | 434 | 419 | 404 |
| 1973 | 431 | 463 | 494 | 523 | 534 | 540 | 534 | 512 | 485 | 452 | 422 | 422 |
| 1974 | 454 | 483 | 504 | 520 | 531 | 536 | 534 | 522 | 493 | 464 | 438 | 450 |
| 1975 | 474 | 484 | 488 | 503 | 516 | 521 | 517 | 502 | 477 | 444 | 429 | 440 |
| 1976 | 467 | 485 | 491 | 506 | 520 | 532 | 514 | 487 | 467 | 465 | 448 | 429 |
| 1977 | 430 | 437 | 439 | 456 | 456 | 456 | 459 | 447 | 428 | 405 | 399 | 413 |
| 1978 | 418 | 435 | 485 | 535 | 544 | 544 | 544 | 544 | 526 | 469 | 414 | 433 |
| 1979 | 466 | 489 | 493 | 508 | 521 | 528 | 522 | 504 | 474 | 455 | 409 | 405 |
| 1980 | 439 | 474 | 502 | 519 | 534 | 544 | 544 | 544 | 527 | 493 | 453 | 469 |
| 1981 | 500 | 520 | 526 | 540 | 544 | 544 | 530 | 496 | 459 | 441 | 423 | 411 |
| 1982 | 423 | 458 | 491 | 523 | 536 | 543 | 544 | 544 | 531 | 494 | 462 | 472 |
| 1983 | 496 | 515 | 521 | 535 | 544 | 544 | 544 | 544 | 537 | 527 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 536 | 514 | 479 | 459 | 413 | 421 |
| 1985 | 456 | 487 | 498 | 513 | 525 | 533 | 515 | 484 | 439 | 420 | 403 | 397 |
| 1986 | 402 | 409 | 447 | 499 | 530 | 544 | 544 | 544 | 532 | 492 | 459 | 468 |
| 1987 | 497 | 508 | 533 | 544 | 544 | 544 | 523 | 488 | 459 | 447 | 425 | 410 |
| 1988 | 420 | 416 | 454 | 504 | 517 | 517 | 506 | 491 | 479 | 460 | 425 | 421 |
| 1989 | 421 | 439 | 462 | 501 | 501 | 532 | 521 | 490 | 453 | 440 | 386 | 395 |
| 1990 | 409 | 426 | 455 | 499 | 519 | 523 | 507 | 478 | 460 | 448 | 401 | 383 |
| 1991 | 383 | 389 | 389 | 404 | 404 | 468 | 468 | 457 | 444 | 424 | 408 | 410 |
| 1992 | 413 | 425 | 439 | 484 | 516 | 539 | 528 | 512 | 489 | 470 | 430 | 422 |
| 1993 | 422 | 428 | 472 | 528 | 540 | 543 | 539 | 532 | 518 | 464 | 411 | 416 |
| 1994 | 451 | 482 | 491 | 505 | 518 | 528 | 507 | 475 | 450 | 446 | 445 | 432 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|-----|
| 0 | 1 | 5 | 20 | 67 | 112 | 102 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 19 | 5 | -1 | -4 | -15 | -47 | -45 | 10 | 6 | 5 | 5 | 3 | 1 | 1 | 6 | 27 | 513 |
| 10 | 15 | 37 | 71 | 96 | 126 | 139 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 7 | -5 | -22 | -34 | -25 | -30 | -13 | 6 | 5 | 1 | 1 | 1 | 1 | 3 | 18 | 180 |
| 16 | 24 | 47 | 80 | 118 | 155 | 160 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 0 | -8 | -23 | -33 | -38 | -37 | -5 | 6 | 4 | 1 | 1 | 1 | 1 | 5 | 19 | 152 |
| 16 | 23 | 49 | 91 | 135 | 193 | 210 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 11 | -7 | -26 | -42 | -44 | -58 | -17 | 6 | 4 | 1 | 1 | 1 | 1 | 2 | 16 | 128 |
| 28 | 33 | 57 | 93 | 106 | 159 | 173 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | -5 | -24 | -36 | -13 | -53 | -14 | 6 | 5 | 1 | 1 | 3 | 1 | 3 | 20 | 140 |
| 0 | 4 | 14 | 45 | 80 | 130 | 121 | 6 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 18 | 3 | -4 | -10 | -31 | -35 | -50 | 9 | 6 | 5 | 4 | 1 | 1 | 1 | 6 | 24 | 432 |
| 11 | 17 | 38 | 86 | 107 | 129 | 142 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 6 | -6 | -21 | -48 | -21 | -22 | -13 | 6 | 4 | 1 | 1 | 1 | 1 | 3 | 17 | 170 |
| 3 | 12 | 26 | 49 | 77 | 108 | 111 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 9 | -9 | -14 | -23 | -28 | -31 | -3 | 6 | 4 | 3 | 1 | 1 | 1 | 5 | 21 | 273 |
| 0 | 18 | 49 | 79 | 88 | 107 | 130 | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 2 | -18 | -31 | -30 | -9 | -19 | -23 | 6 | 2 | 1 | 1 | 4 | 2 | 1 | 17 | 221 |
| 59 | 69 | 82 | 92 | 122 | 174 | 178 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | -10 | -13 | -10 | -30 | -52 | -4 | 6 | 4 | 3 | 4 | 1 | 1 | 5 | 24 | 168 |
| 18 | 26 | 45 | 65 | 72 | 103 | 118 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 0 | -8 | -19 | -20 | -7 | -31 | -15 | 6 | 4 | 2 | 2 | 4 | 1 | 3 | 22 | 176 |
| 23 | 26 | 38 | 65 | 100 | 145 | 146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | -3 | -12 | -27 | -35 | -45 | -1 | 6 | 5 | 3 | 1 | 1 | 1 | 5 | 22 | 154 |
| 25 | 37 | 60 | 86 | 111 | 141 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -12 | -23 | -26 | -25 | -30 | -12 | 6 | 3 | 1 | 1 | 1 | 1 | 3 | 16 | 112 |
| 16 | 14 | 37 | 72 | 115 | 184 | 188 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 31 | 2 | -23 | -35 | -43 | -69 | -4 | 6 | 6 | 1 | 1 | 1 | 1 | 5 | 21 | 210 |
| 1 | 1 | 18 | 51 | 86 | 128 | 134 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 16 | 11 | 0 | -17 | -33 | -35 | -42 | -6 | 6 | 6 | 2 | 1 | 1 | 1 | 4 | 21 | 336 |
| 1 | 0 | 4 | 33 | 82 | 132 | 139 | 5 | 6 | 5 | 1 | 1 | 1 | 1 | 1 | 20 | | | | | | | | | | | | | | | | |

Flow Alternative 4

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc818-f, 17 Jun 97
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-507/4/ELEVATION-EOP/1/MONOUTPUT/

73-year maximum March - September Reservoir Elevation = 1067

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1922 | 989 | 993 | 999 | 1,003 | 1,019 | 1,038 | 1,060 | 1,067 | 1,062 | 1,048 | 1,031 | 1,025 |
| 1923 | 1,023 | 1,017 | 1,019 | 1,023 | 1,020 | 1,021 | 1,033 | 1,029 | 1,015 | 997 | 979 | 977 |
| 1924 | 979 | 979 | 979 | 979 | 980 | 987 | 976 | 962 | 947 | 925 | 907 | 893 |
| 1925 | 898 | 909 | 918 | 928 | 999 | 1,014 | 1,045 | 1,056 | 1,050 | 1,033 | 1,019 | 1,016 |
| 1926 | 1,013 | 1,011 | 1,008 | 1,004 | 1,031 | 1,032 | 1,044 | 1,039 | 1,019 | 995 | 978 | 971 |
| 1927 | 970 | 994 | 1,017 | 1,035 | 1,026 | 1,052 | 1,067 | 1,067 | 1,058 | 1,045 | 1,029 | 1,023 |
| 1928 | 1,021 | 1,017 | 1,020 | 1,028 | 1,044 | 1,046 | 1,066 | 1,062 | 1,048 | 1,023 | 1,002 | 996 |
| 1929 | 994 | 994 | 994 | 994 | 1,000 | 1,002 | 1,004 | 998 | 991 | 975 | 957 | 950 |
| 1930 | 949 | 947 | 978 | 989 | 1,006 | 1,028 | 1,039 | 1,039 | 1,023 | 1,004 | 990 | 988 |
| 1931 | 985 | 983 | 980 | 982 | 984 | 990 | 982 | 972 | 964 | 946 | 933 | 921 |
| 1932 | 916 | 915 | 931 | 941 | 949 | 974 | 977 | 985 | 978 | 964 | 949 | 943 |
| 1933 | 942 | 939 | 939 | 941 | 943 | 977 | 985 | 988 | 984 | 967 | 953 | 946 |
| 1934 | 946 | 944 | 952 | 969 | 988 | 999 | 999 | 993 | 985 | 956 | 932 | 917 |
| 1935 | 912 | 924 | 928 | 948 | 968 | 990 | 1,034 | 1,041 | 1,033 | 1,015 | 1,002 | 996 |
| 1936 | 993 | 989 | 986 | 1,010 | 1,032 | 1,043 | 1,052 | 1,050 | 1,042 | 1,022 | 1,002 | 997 |
| 1937 | 993 | 989 | 985 | 979 | 980 | 1,007 | 1,036 | 1,044 | 1,040 | 1,020 | 1,001 | 994 |
| 1938 | 991 | 1,013 | 1,020 | 1,035 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,024 | 1,039 | 1,031 | 1,024 | 999 | 979 | 951 | 948 |
| 1940 | 944 | 939 | 947 | 995 | 1,017 | 1,025 | 1,059 | 1,064 | 1,053 | 1,033 | 1,016 | 1,014 |
| 1941 | 1,013 | 1,012 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,059 | 1,046 | 1,031 | 1,025 |
| 1944 | 1,023 | 1,017 | 1,015 | 1,014 | 1,023 | 1,033 | 1,038 | 1,038 | 1,021 | 997 | 977 | 970 |
| 1945 | 972 | 983 | 997 | 1,005 | 1,039 | 1,052 | 1,064 | 1,067 | 1,062 | 1,041 | 1,023 | 1,018 |
| 1946 | 1,017 | 1,017 | 1,018 | 1,033 | 1,039 | 1,050 | 1,062 | 1,064 | 1,056 | 1,039 | 1,023 | 1,020 |
| 1947 | 1,017 | 1,017 | 1,018 | 1,014 | 1,021 | 1,040 | 1,046 | 1,037 | 1,023 | 1,000 | 983 | 977 |
| 1948 | 982 | 984 | 985 | 1,009 | 1,007 | 1,019 | 1,057 | 1,067 | 1,067 | 1,053 | 1,038 | 1,036 |
| 1949 | 1,023 | 1,017 | 1,016 | 1,012 | 1,016 | 1,050 | 1,063 | 1,064 | 1,050 | 1,029 | 1,011 | 1,007 |
| 1950 | 1,003 | 999 | 995 | 1,003 | 1,016 | 1,033 | 1,046 | 1,045 | 1,033 | 1,011 | 994 | 992 |
| 1951 | 1,005 | 1,017 | 1,020 | 1,033 | 1,040 | 1,057 | 1,064 | 1,067 | 1,051 | 1,030 | 1,012 | 1,010 |
| 1952 | 1,008 | 1,013 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,051 | 1,065 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,064 | 1,060 | 1,043 | 1,031 | 1,030 |
| 1955 | 1,023 | 1,017 | 1,022 | 1,024 | 1,027 | 1,026 | 1,040 | 1,048 | 1,031 | 1,008 | 990 | 989 |
| 1956 | 987 | 990 | 1,017 | 1,017 | 1,019 | 1,048 | 1,067 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1957 | 1,023 | 1,017 | 1,016 | 1,017 | 1,035 | 1,052 | 1,058 | 1,067 | 1,060 | 1,043 | 1,029 | 1,032 |
| 1958 | 1,023 | 1,017 | 1,021 | 1,029 | 1,067 | 1,024 | 1,053 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1959 | 1,023 | 1,017 | 1,017 | 1,034 | 1,039 | 1,050 | 1,054 | 1,054 | 1,036 | 1,012 | 995 | 999 |
| 1960 | 996 | 994 | 991 | 997 | 1,025 | 1,052 | 1,059 | 1,067 | 1,050 | 1,030 | 1,012 | 1,010 |
| 1961 | 1,007 | 1,009 | 1,021 | 1,026 | 1,044 | 1,057 | 1,064 | 1,067 | 1,049 | 1,025 | 1,005 | 1,004 |
| 1962 | 1,000 | 1,003 | 1,014 | 1,016 | 1,035 | 1,050 | 1,062 | 1,063 | 1,051 | 1,031 | 1,014 | 1,011 |
| 1963 | 1,023 | 1,017 | 1,021 | 1,025 | 1,045 | 1,055 | 1,052 | 1,067 | 1,063 | 1,052 | 1,040 | 1,036 |
| 1964 | 1,023 | 1,017 | 1,018 | 1,033 | 1,034 | 1,038 | 1,032 | 1,027 | 1,012 | 991 | 971 | 969 |
| 1965 | 968 | 978 | 1,017 | 1,022 | 1,040 | 1,052 | 1,065 | 1,066 | 1,057 | 1,042 | 1,032 | 1,030 |
| 1966 | 1,023 | 1,017 | 1,021 | 1,037 | 1,049 | 1,055 | 1,067 | 1,064 | 1,049 | 1,030 | 1,015 | 1,012 |
| 1967 | 1,008 | 1,017 | 1,021 | 1,030 | 1,044 | 1,048 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1968 | 1,023 | 1,017 | 1,019 | 1,025 | 1,034 | 1,054 | 1,056 | 1,058 | 1,042 | 1,022 | 1,015 | 1,012 |
| 1969 | 1,012 | 1,013 | 1,021 | 1,022 | 1,027 | 1,048 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1970 | 1,023 | 1,017 | 1,020 | 1,017 | 1,025 | 1,052 | 1,055 | 1,055 | 1,043 | 1,025 | 1,012 | 1,010 |
| 1971 | 1,010 | 1,017 | 1,020 | 1,028 | 1,040 | 1,043 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1972 | 1,023 | 1,017 | 1,022 | 1,033 | 1,045 | 1,056 | 1,067 | 1,067 | 1,051 | 1,032 | 1,018 | 1,019 |
| 1973 | 1,020 | 1,017 | 1,021 | 1,030 | 1,034 | 1,053 | 1,065 | 1,067 | 1,058 | 1,044 | 1,033 | 1,032 |
| 1974 | 1,023 | 1,017 | 1,018 | 1,017 | 1,036 | 1,025 | 1,058 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1975 | 1,023 | 1,017 | 1,021 | 1,024 | 1,045 | 1,039 | 1,061 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1976 | 1,023 | 1,017 | 1,018 | 1,017 | 1,042 | 1,017 | 1,024 | 1,020 | 996 | 974 | 970 | 972 |
| 1977 | 975 | 976 | 976 | 977 | 968 | 968 | 950 | 944 | 923 | 906 | 889 | 885 |
| 1978 | 874 | 873 | 916 | 1,019 | 1,031 | 1,047 | 1,067 | 1,067 | 1,064 | 1,056 | 1,047 | 1,036 |
| 1979 | 1,023 | 1,017 | 1,015 | 1,018 | 1,029 | 1,046 | 1,053 | 1,062 | 1,051 | 1,034 | 1,022 | 1,020 |
| 1980 | 1,020 | 1,017 | 1,020 | 1,029 | 1,019 | 1,046 | 1,059 | 1,064 | 1,056 | 1,045 | 1,035 | 1,035 |
| 1981 | 1,023 | 1,017 | 1,020 | 1,020 | 1,042 | 1,056 | 1,064 | 1,062 | 1,042 | 1,019 | 1,003 | 1,000 |
| 1982 | 999 | 1,017 | 1,018 | 1,033 | 1,029 | 1,046 | 1,051 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1983 | 1,023 | 1,017 | 1,020 | 1,022 | 1,019 | 1,045 | 1,050 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1984 | 1,023 | 1,017 | 1,018 | 1,034 | 1,047 | 1,056 | 1,064 | 1,067 | 1,060 | 1,044 | 1,038 | 1,036 |
| 1985 | 1,023 | 1,017 | 1,022 | 1,023 | 1,027 | 1,034 | 1,042 | 1,034 | 1,013 | 993 | 979 | 980 |
| 1986 | 983 | 986 | 994 | 1,018 | 1,017 | 1,029 | 1,047 | 1,049 | 1,037 | 1,020 | 1,005 | 1,008 |
| 1987 | 1,008 | 1,007 | 1,007 | 1,008 | 1,018 | 1,045 | 1,045 | 1,039 | 1,007 | 985 | 957 | 950 |
| 1988 | 946 | 948 | 979 | 1,001 | 1,002 | 1,005 | 1,011 | 1,010 | 993 | 962 | 947 | 945 |
| 1989 | 945 | 958 | 964 | 971 | 978 | 1,040 | 1,060 | 1,056 | 1,042 | 1,022 | 1,011 | 1,011 |
| 1990 | 1,013 | 1,011 | 1,007 | 1,013 | 1,013 | 1,019 | 1,014 | 1,020 | 1,005 | 985 | 964 | 960 |
| 1991 | 955 | 953 | 952 | 953 | 948 | 974 | 985 | 985 | 976 | 948 | 948 | 941 |
| 1992 | 940 | 939 | 940 | 943 | 982 | 1,003 | 1,014 | 1,006 | 992 | 971 | 957 | 951 |
| 1993 | 947 | 944 | 959 | 993 | 1,025 | 1,031 | 1,059 | 1,067 | 1,067 | 1,056 | 1,048 | 1,048 |
| 1994 | 1,043 | 1,017 | 1,019 | 1,020 | 1,026 | 1,027 | 1,027 | 1,026 | 999 | 979 | 958 | 955 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 19 | 36 | 42 |
| 46 | 34 | 38 | 52 | 70 | 88 | 90 |
| 80 | 91 | 105 | 120 | 142 | 160 | 174 |
| 53 | 22 | 11 | 17 | 34 | 48 | 51 |
| 35 | 23 | 28 | 48 | 72 | 89 | 96 |
| 15 | 0 | 0 | 9 | 22 | 38 | 44 |
| 21 | 1 | 5 | 19 | 44 | 65 | 71 |
| 65 | 63 | 69 | 76 | 92 | 110 | 117 |
| 39 | 28 | 28 | 44 | 63 | 77 | 79 |
| 77 | 85 | 95 | 103 | 121 | 134 | 146 |
| 93 | 90 | 82 | 89 | 103 | 118 | 124 |
| 90 | 82 | 79 | 83 | 100 | 114 | 121 |
| 68 | 68 | 74 | 82 | 111 | 135 | 150 |
| 77 | 33 | 26 | 34 | 52 | 65 | 71 |
| 24 | 15 | 17 | 25 | 45 | 65 | 70 |
| 60 | 31 | 23 | 27 | 47 | 66 | 73 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 28 | 36 | 43 | 68 | 88 | 116 | 119 |
| 42 | 8 | 3 | 14 | 34 | 51 | 53 |
| 22 | 3 | 0 | 0 | 9 | 20 | 31 |
| 25 | 0 | 0 | 0 | 9 | 21 | 31 |
| 16 | 0 | 0 | 8 | 21 | 36 | 42 |
| 34 | 29 | 29 | 46 | 70 | 90 | 97 |
| 15 | 3 | 0 | 5 | 26 | 44 | 49 |
| 17 | 5 | 3 | 11 | 28 | 44 | 47 |
| 27 | 21 | 30 | 44 | 67 | 84 | 90 |
| 48 | 10 | 0 | 0 | 14 | 29 | 31 |
| 17 | 4 | 3 | 17 | 38 | 56 | 60 |
| 34 | 21 | 22 | 34 | 56 | 73 | 75 |
| 10 | 3 | 0 | 16 | 37 | 55 | 57 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 9 | 21 | 31 |
| 16 | 0 | 3 | 7 | 24 | 36 | 37 |
| 41 | 27 | 19 | 36 | 59 | 77 | 78 |
| 19 | 0 | 0 | 0 | 9 | 20 | 31 |
| 15 | 9 | 0 | 7 | 24 | 38 | 35 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 17 | 13 | 13 | 31 | 55 | 72 | 68 |
| 15 | 8 | 0 | 17 | 37 | 55 | 57 |
| 17 | 3 | 0 | 18 | 42 | 62 | 63 |
| 10 | 5 | 4 | 16 | 36 | 53 | 56 |
| 12 | 15 | 0 | 4 | 15 | 27 | 31 |
| 29 | 35 | 40 | 55 | 76 | 96 | 98 |
| 15 | 2 | 1 | 10 | 25 | 35 | 37 |
| 12 | 0 | 3 | 18 | 37 | 52 | 55 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 11 | 9 | 25 | 45 | 52 | 55 |
| 19 | 4 | 0 | | | | |

Flow Alternative 4

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc818-f, 17 Jun 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-507/6/ELEVATION-EOP/1/MONOUTPUT/

73-year maximum March - September Reservoir Elevation = 900

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 877 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 868 | 891 | 897 | 882 | 843 | 812 | 814 |
| 1924 | 805 | 793 | 765 | 770 | 789 | 778 | 765 | 752 | 731 | 711 | 703 | 697 |
| 1925 | 697 | 701 | 708 | 725 | 791 | 819 | 838 | 845 | 830 | 803 | 792 | 789 |
| 1926 | 776 | 777 | 780 | 793 | 836 | 856 | 887 | 874 | 854 | 814 | 802 | 786 |
| 1927 | 767 | 798 | 798 | 826 | 849 | 863 | 890 | 900 | 900 | 865 | 856 | 853 |
| 1928 | 851 | 861 | 862 | 868 | 871 | 849 | 878 | 863 | 843 | 791 | 739 | 732 |
| 1929 | 719 | 714 | 712 | 717 | 731 | 748 | 751 | 753 | 748 | 732 | 723 | 716 |
| 1930 | 708 | 705 | 766 | 794 | 821 | 852 | 874 | 877 | 861 | 823 | 790 | 787 |
| 1931 | 776 | 768 | 760 | 773 | 786 | 801 | 788 | 773 | 748 | 727 | 716 | 710 |
| 1932 | 704 | 694 | 700 | 724 | 746 | 780 | 785 | 809 | 779 | 727 | 711 | 704 |
| 1933 | 695 | 683 | 682 | 694 | 704 | 709 | 712 | 728 | 722 | 707 | 698 | 691 |
| 1934 | 687 | 678 | 681 | 708 | 730 | 759 | 751 | 742 | 720 | 697 | 689 | 681 |
| 1935 | 669 | 674 | 680 | 708 | 732 | 763 | 851 | 861 | 846 | 823 | 813 | 798 |
| 1936 | 790 | 780 | 778 | 826 | 849 | 860 | 886 | 897 | 886 | 847 | 827 | 824 |
| 1937 | 817 | 805 | 801 | 804 | 821 | 845 | 870 | 882 | 860 | 835 | 821 | 816 |
| 1938 | 811 | 825 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 714 | 656 | 651 |
| 1940 | 640 | 629 | 632 | 705 | 813 | 849 | 879 | 884 | 871 | 834 | 825 | 816 |
| 1941 | 805 | 806 | 845 | 849 | 849 | 858 | 886 | 900 | 890 | 886 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 886 | 882 | 883 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 893 | 892 | 860 | 850 | 851 |
| 1944 | 852 | 854 | 853 | 860 | 857 | 868 | 879 | 895 | 876 | 836 | 800 | 794 |
| 1945 | 789 | 796 | 812 | 825 | 862 | 865 | 880 | 896 | 877 | 837 | 815 | 810 |
| 1946 | 810 | 818 | 849 | 864 | 868 | 868 | 887 | 892 | 871 | 833 | 791 | 788 |
| 1947 | 780 | 786 | 794 | 800 | 825 | 847 | 857 | 852 | 835 | 783 | 729 | 722 |
| 1948 | 725 | 727 | 722 | 758 | 761 | 781 | 841 | 870 | 876 | 844 | 827 | 821 |
| 1949 | 815 | 812 | 812 | 817 | 823 | 843 | 862 | 866 | 845 | 799 | 754 | 749 |
| 1950 | 736 | 736 | 737 | 767 | 815 | 846 | 879 | 898 | 893 | 855 | 828 | 827 |
| 1951 | 831 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 891 | 850 | 822 | 823 |
| 1952 | 827 | 830 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 899 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 871 | 869 | 870 |
| 1954 | 873 | 871 | 874 | 858 | 857 | 858 | 883 | 863 | 848 | 801 | 754 | 754 |
| 1955 | 756 | 757 | 766 | 776 | 787 | 800 | 809 | 823 | 797 | 735 | 715 | 711 |
| 1956 | 702 | 699 | 849 | 849 | 849 | 864 | 892 | 900 | 900 | 873 | 870 | 874 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 881 | 866 | 828 | 791 | 796 |
| 1958 | 799 | 802 | 822 | 842 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 808 | 758 | 762 |
| 1960 | 755 | 744 | 739 | 753 | 815 | 854 | 854 | 860 | 841 | 801 | 789 | 780 |
| 1961 | 770 | 772 | 781 | 792 | 822 | 839 | 839 | 844 | 825 | 767 | 716 | 712 |
| 1962 | 695 | 690 | 700 | 714 | 778 | 814 | 837 | 836 | 821 | 762 | 734 | 713 |
| 1963 | 788 | 800 | 832 | 855 | 867 | 858 | 876 | 900 | 893 | 857 | 846 | 847 |
| 1964 | 848 | 859 | 862 | 866 | 874 | 874 | 880 | 885 | 869 | 829 | 783 | 758 |
| 1965 | 746 | 746 | 849 | 849 | 863 | 870 | 887 | 881 | 883 | 853 | 847 | 848 |
| 1966 | 852 | 859 | 860 | 864 | 870 | 874 | 894 | 882 | 862 | 822 | 774 | 768 |
| 1967 | 755 | 765 | 803 | 849 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 802 | 765 | 762 |
| 1969 | 764 | 769 | 792 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 858 | 820 | 790 | 792 |
| 1971 | 795 | 820 | 848 | 864 | 874 | 874 | 893 | 900 | 900 | 872 | 854 | 856 |
| 1972 | 861 | 867 | 865 | 869 | 867 | 874 | 884 | 887 | 868 | 829 | 786 | 787 |
| 1973 | 783 | 798 | 824 | 849 | 849 | 860 | 882 | 900 | 879 | 841 | 820 | 817 |
| 1974 | 820 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 889 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 878 | 876 | 878 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 796 | 752 | 752 |
| 1977 | 740 | 729 | 712 | 708 | 693 | 689 | 664 | 653 | 625 | 603 | 595 | 591 |
| 1978 | 581 | 581 | 617 | 744 | 798 | 859 | 878 | 897 | 893 | 875 | 866 | 874 |
| 1979 | 874 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 865 | 831 | 822 | 820 |
| 1980 | 824 | 828 | 836 | 850 | 849 | 855 | 881 | 893 | 888 | 873 | 866 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 807 | 763 | 764 |
| 1982 | 771 | 849 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 886 | 887 |
| 1983 | 773 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 900 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 879 | 842 | 833 | 834 |
| 1985 | 838 | 852 | 862 | 868 | 879 | 871 | 886 | 872 | 858 | 807 | 758 | 746 |
| 1986 | 737 | 733 | 741 | 775 | 849 | 849 | 871 | 875 | 871 | 841 | 831 | 842 |
| 1987 | 844 | 850 | 846 | 847 | 858 | 867 | 855 | 845 | 817 | 757 | 712 | 707 |
| 1988 | 695 | 698 | 738 | 765 | 767 | 768 | 766 | 756 | 733 | 713 | 701 | 698 |
| 1989 | 690 | 709 | 719 | 726 | 727 | 842 | 867 | 857 | 842 | 795 | 778 | 776 |
| 1990 | 787 | 788 | 772 | 785 | 793 | 819 | 797 | 798 | 773 | 726 | 713 | 706 |
| 1991 | 688 | 680 | 662 | 660 | 648 | 702 | 724 | 739 | 722 | 700 | 695 | 693 |
| 1992 | 689 | 684 | 686 | 689 | 720 | 750 | 765 | 756 | 731 | 708 | 696 | 690 |
| 1993 | 682 | 676 | 695 | 762 | 814 | 861 | 894 | 900 | 881 | 877 | 876 | 876 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 872 | 866 | 845 | 803 | 756 | 751 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 20 | 24 | 23 |
| 32 | 9 | 3 | 18 | 57 | 88 | 86 |
| 122 | 135 | 148 | 169 | 189 | 197 | 203 |
| 81 | 62 | 55 | 70 | 97 | 108 | 111 |
| 44 | 13 | 26 | 46 | 86 | 98 | 114 |
| 37 | 10 | 0 | 0 | 35 | 44 | 47 |
| 51 | 22 | 37 | 57 | 109 | 161 | 168 |
| 152 | 149 | 147 | 152 | 168 | 177 | 184 |
| 48 | 26 | 23 | 39 | 77 | 110 | 113 |
| 99 | 112 | 127 | 152 | 173 | 184 | 190 |
| 120 | 115 | 91 | 121 | 173 | 189 | 196 |
| 191 | 188 | 172 | 178 | 193 | 202 | 209 |
| 141 | 149 | 158 | 180 | 203 | 211 | 219 |
| 137 | 49 | 39 | 54 | 77 | 87 | 102 |
| 40 | 14 | 3 | 14 | 53 | 73 | 76 |
| 55 | 30 | 18 | 40 | 65 | 79 | 84 |
| 51 | 18 | 0 | 1 | 4 | 13 | 1 |
| 67 | 78 | 87 | 122 | 186 | 244 | 249 |
| 51 | 21 | 16 | 29 | 66 | 75 | 84 |
| 42 | 14 | 0 | 10 | 14 | 13 | 1 |
| 33 | 18 | 0 | 10 | 14 | 18 | 17 |
| 41 | 13 | 7 | 8 | 40 | 50 | 49 |
| 32 | 21 | 5 | 24 | 64 | 100 | 106 |
| 35 | 20 | 4 | 23 | 63 | 85 | 90 |
| 32 | 13 | 8 | 29 | 67 | 109 | 112 |
| 53 | 43 | 48 | 65 | 117 | 171 | 178 |
| 119 | 59 | 30 | 24 | 56 | 73 | 79 |
| 57 | 38 | 34 | 55 | 101 | 146 | 151 |
| 54 | 21 | 2 | 7 | 45 | 72 | 73 |
| 30 | 14 | 0 | 9 | 50 | 78 | 77 |
| 38 | 6 | 0 | 0 | 1 | 13 | 1 |
| 33 | 17 | 0 | 0 | 29 | 31 | 30 |
| 41 | 17 | 37 | 52 | 99 | 146 | 146 |
| 100 | 91 | 77 | 103 | 165 | 185 | 189 |
| 36 | 8 | 0 | 0 | 27 | 30 | 26 |
| 37 | 37 | 19 | 34 | 72 | 109 | 104 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 29 | 26 | 47 | 92 | 142 | 138 |
| 46 | 46 | 40 | 59 | 99 | 111 | 120 |
| 61 | 61 | 56 | 75 | 133 | 184 | 188 |
| 86 | 63 | 64 | 79 | 138 | 166 | 187 |
| 42 | 24 | 0 | 7 | 43 | 54 | 53 |
| 26 | 20 | 15 | 31 | 71 | 117 | 142 |
| 30 | 13 | 19 | 17 | 47 | 53 | 52 |
| 26 | 6 | 18 | 38 | 78 | 126 | 132 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 37 | 33 | 52 | 98 | 135 | 138 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 |
| 26 | 31 | 29 | 42 | 80 | 110 | 108 |
| 26 | 7 | 0 | 0 | 28 | 46 | 44 |
| 26 | 16 | 13 | 32 | 71 | 114 | 113 |
| 40 | 18 | 0 | 21 | 59 | 80 | 83 |
| 51 | 17 | 0 | 0 | 11 | 14 | 14 |
| 48 | 19 | 0 | 0 | 22 | 24 | 22 |
| 26 | 29 | 38 | 60 | 104 | 148 | 148 |
| 211 | 236 | 247 | 275 | 297 | 305 | 309 |
| 41 | 22 | 3 | 7 | 25 | 34 | 26 |
| 37 | 22 | 4 | 35 | 69 | 78 | 80 |
| 35 | 19 | 7 | 12 | 27 | 34 | 35 |
| 35 | 25 | 28 | 49 | 93 | 137 | 136 |
| 41 | 16 | 0 | 0 | 11 | 14 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 15 | 6 | 21 | 58 | 67 | 66 |
| 29 | 14 | 28 | 50 | 93 | 142 | 154 |
| 51 | 29 | 25 | 29 | 59 | 69 | 58 |
| 53 | 45 | 55 | 83 | 143 | 188 | 193 |
| 132 | 134 | 144 | 167 | 187 | 199 | 202 |
| 58 | 33 | 43 | 58 | 105 | 122 | 124 |
| 81 | 103 | 102 | 127 | 174 | 205 | 194 |
| 198 | 176 | 161 | 178 | | | |

Flow Alternative 4

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc818-f, 17 Jun 97
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-507/8/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 466

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 419 | 420 | 449 | 466 | 452 | 435 | 429 | 426 |
| 1924 | 421 | 412 | 404 | 392 | 390 | 373 | 375 | 371 | 334 | 334 | 337 | 334 |
| 1925 | 348 | 363 | 379 | 389 | 424 | 437 | 449 | 466 | 454 | 439 | 428 | 422 |
| 1926 | 418 | 411 | 406 | 399 | 417 | 418 | 448 | 446 | 423 | 391 | 353 | 363 |
| 1927 | 369 | 405 | 424 | 424 | 424 | 437 | 449 | 466 | 461 | 457 | 449 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 442 | 418 | 411 | 411 |
| 1929 | 405 | 399 | 395 | 384 | 382 | 381 | 393 | 398 | 388 | 346 | 356 | 359 |
| 1930 | 395 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 421 | 394 | 375 | 377 |
| 1931 | 374 | 384 | 392 | 402 | 407 | 414 | 410 | 407 | 351 | 334 | 339 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 424 | 432 | 450 | 436 | 396 | 368 | 372 |
| 1933 | 346 | 334 | 355 | 366 | 369 | 382 | 359 | 379 | 348 | 334 | 355 | 351 |
| 1934 | 337 | 334 | 375 | 402 | 420 | 426 | 419 | 413 | 354 | 333 | 323 | 334 |
| 1935 | 334 | 361 | 378 | 402 | 415 | 417 | 449 | 454 | 453 | 436 | 423 | 418 |
| 1936 | 415 | 409 | 403 | 424 | 424 | 437 | 449 | 461 | 455 | 448 | 442 | 434 |
| 1937 | 425 | 417 | 411 | 404 | 424 | 437 | 449 | 466 | 454 | 442 | 435 | 432 |
| 1938 | 424 | 422 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 391 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 447 | 430 | 423 | 424 |
| 1941 | 419 | 415 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 447 | 443 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 416 | 396 | 384 | 377 |
| 1945 | 370 | 397 | 416 | 424 | 424 | 437 | 449 | 466 | 455 | 444 | 439 | 434 |
| 1946 | 427 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 453 | 440 | 435 | 432 |
| 1947 | 424 | 424 | 423 | 414 | 417 | 433 | 442 | 445 | 420 | 394 | 378 | 382 |
| 1948 | 395 | 402 | 392 | 409 | 405 | 401 | 438 | 458 | 455 | 450 | 446 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 443 | 459 | 444 | 426 | 418 | 417 |
| 1950 | 411 | 405 | 396 | 422 | 424 | 437 | 449 | 466 | 455 | 444 | 439 | 434 |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 436 | 431 | 431 |
| 1952 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 449 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 441 | 423 | 418 | 421 |
| 1955 | 415 | 408 | 414 | 419 | 419 | 409 | 420 | 437 | 423 | 402 | 390 | 389 |
| 1956 | 381 | 379 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 433 | 459 | 448 | 436 | 430 | 429 |
| 1958 | 422 | 416 | 417 | 412 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 417 | 412 | 424 | 425 | 433 | 433 | 411 | 389 | 378 | 387 |
| 1960 | 387 | 383 | 382 | 390 | 424 | 437 | 448 | 446 | 427 | 406 | 395 | 401 |
| 1961 | 397 | 395 | 393 | 387 | 392 | 401 | 411 | 423 | 407 | 389 | 379 | 384 |
| 1962 | 385 | 387 | 394 | 395 | 424 | 431 | 448 | 454 | 448 | 428 | 420 | 418 |
| 1963 | 441 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 454 | 449 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 418 | 415 | 426 | 432 | 413 | 382 | 355 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 414 | 449 | 464 | 454 | 448 | 445 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 448 | 447 | 428 | 405 | 395 | 396 |
| 1967 | 391 | 395 | 419 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 439 | 441 | 419 | 396 | 391 | 394 |
| 1969 | 399 | 407 | 419 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 431 | 440 | 415 | 414 | 417 | 417 |
| 1971 | 411 | 420 | 424 | 424 | 423 | 437 | 447 | 461 | 461 | 459 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 433 | 413 | 407 | 407 |
| 1973 | 403 | 408 | 422 | 424 | 424 | 437 | 449 | 466 | 451 | 439 | 432 | 433 |
| 1974 | 427 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 392 | 397 | 401 | 368 | 334 | 340 | 341 |
| 1977 | 335 | 334 | 330 | 325 | 321 | 323 | 333 | 341 | 334 | 319 | 306 | 291 |
| 1978 | 287 | 304 | 359 | 424 | 424 | 437 | 449 | 466 | 459 | 455 | 449 | 434 |
| 1979 | 423 | 417 | 411 | 418 | 424 | 437 | 447 | 466 | 452 | 437 | 429 | 426 |
| 1980 | 423 | 420 | 421 | 405 | 399 | 430 | 449 | 464 | 453 | 453 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 411 | 392 | 386 | 387 |
| 1982 | 397 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 398 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 441 | 464 | 454 | 442 | 437 | 434 |
| 1985 | 427 | 424 | 424 | 424 | 422 | 428 | 443 | 444 | 420 | 388 | 365 | 372 |
| 1986 | 370 | 389 | 411 | 424 | 396 | 424 | 449 | 464 | 456 | 451 | 447 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 416 | 418 | 386 | 336 | 324 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 388 | 386 | 394 | 391 | 356 | 332 | 316 | 376 |
| 1989 | 356 | 377 | 393 | 402 | 397 | 437 | 449 | 452 | 435 | 414 | 409 | 413 |
| 1990 | 409 | 408 | 405 | 405 | 403 | 414 | 422 | 421 | 392 | 338 | 334 | 335 |
| 1991 | 334 | 334 | 334 | 332 | 332 | 383 | 407 | 425 | 414 | 409 | 405 | 404 |
| 1992 | 397 | 384 | 374 | 356 | 381 | 397 | 409 | 405 | 375 | 334 | 322 | 316 |
| 1993 | 315 | 314 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 458 | 449 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 388 | 396 | 401 | 376 | 334 | 334 | 332 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 17 | 32 |
| 46 | 17 | 0 | 14 | 31 | 37 | 42 |
| 93 | 91 | 95 | 132 | 132 | 129 | 130 |
| 29 | 17 | 0 | 12 | 27 | 38 | 44 |
| 48 | 18 | 20 | 43 | 75 | 113 | 103 |
| 29 | 17 | 0 | 5 | 9 | 17 | 32 |
| 29 | 17 | 13 | 24 | 48 | 55 | 55 |
| 85 | 73 | 68 | 78 | 120 | 110 | 107 |
| 29 | 23 | 24 | 45 | 72 | 91 | 89 |
| 52 | 56 | 59 | 115 | 132 | 127 | 132 |
| 42 | 34 | 16 | 30 | 70 | 98 | 94 |
| 84 | 107 | 87 | 118 | 132 | 111 | 115 |
| 40 | 47 | 53 | 112 | 133 | 143 | 132 |
| 49 | 17 | 0 | 12 | 33 | 43 | 48 |
| 29 | 17 | 5 | 11 | 18 | 24 | 32 |
| 29 | 17 | 0 | 12 | 24 | 31 | 34 |
| 29 | 17 | 0 | 3 | 17 | 32 | 32 |
| 57 | 51 | 48 | 75 | 132 | 132 | 131 |
| 29 | 17 | 5 | 19 | 36 | 43 | 42 |
| 29 | 17 | 0 | 8 | 11 | 17 | 32 |
| 36 | 17 | 0 | 0 | 3 | 17 | 32 |
| 32 | 17 | 7 | 15 | 19 | 23 | 32 |
| 47 | 46 | 33 | 50 | 70 | 82 | 89 |
| 29 | 17 | 0 | 11 | 22 | 27 | 32 |
| 29 | 17 | 0 | 13 | 26 | 31 | 34 |
| 33 | 24 | 21 | 46 | 72 | 88 | 84 |
| 65 | 28 | 8 | 11 | 16 | 20 | 32 |
| 44 | 23 | 7 | 22 | 40 | 48 | 49 |
| 29 | 17 | 0 | 11 | 22 | 27 | 32 |
| 40 | 17 | 0 | 16 | 30 | 35 | 35 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 36 | 20 | 8 | 2 | 3 | 17 | 32 |
| 29 | 17 | 14 | 25 | 43 | 48 | 45 |
| 57 | 46 | 29 | 43 | 64 | 76 | 77 |
| 41 | 25 | 0 | 0 | 3 | 17 | 32 |
| 29 | 33 | 7 | 18 | 30 | 36 | 37 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 41 | 33 | 33 | 55 | 77 | 88 | 79 |
| 29 | 18 | 20 | 39 | 60 | 71 | 65 |
| 65 | 55 | 43 | 59 | 77 | 87 | 82 |
| 35 | 18 | 12 | 18 | 38 | 46 | 48 |
| 36 | 17 | 0 | 7 | 12 | 17 | 32 |
| 51 | 40 | 34 | 53 | 84 | 111 | 132 |
| 52 | 17 | 2 | 12 | 18 | 21 | 32 |
| 36 | 18 | 19 | 38 | 61 | 71 | 70 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 29 | 27 | 25 | 47 | 70 | 75 | 72 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 40 | 35 | 26 | 36 | 51 | 52 | 49 |
| 29 | 19 | 5 | 5 | 7 | 17 | 32 |
| 29 | 22 | 15 | 33 | 53 | 59 | 59 |
| 29 | 17 | 0 | 15 | 27 | 34 | 33 |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 |
| 29 | 25 | 0 | 0 | 3 | 17 | 32 |
| 74 | 69 | 65 | 98 | 132 | 126 | 125 |
| 143 | 133 | 125 | 132 | 147 | 160 | 175 |
| 29 | 17 | 0 | 7 | 11 | 17 | 32 |
| 29 | 19 | 0 | 14 | 29 | 37 | 40 |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 |
| 44 | 33 | 31 | 55 | 74 | 80 | 79 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 |
| 42 | 25 | 2 | 12 | 24 | 29 | 32 |
| 38 | 23 | 22 | 46 | 78 | 101 | 94 |
| 42 | 17 | 2 | 10 | 15 | 19 | 32 |
| 56 | 50 | 48 | 80 | 130 | 142 | 132 |
| 80 | 72 | 75 | 110 | 134 | 150 | 90 |
| 29 | 17 | 14 | 31 | 52 | 57 | 53 |
| 52 | 44 | 45 | 74 | 128 | 132 | 131 |
| 83 | 59 | 41 | 52 | 57 | 61 | 62 |
| 69 | 57 | 61 | 91 | 132 | 144 | 150 |
| | | | | | | |

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc818-f, 17 Jun 97
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-507/10/ELEVATION-EOP/1/MONOUTPUT/

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 939 | 942 | 948 | 953 | 968 | 977 | 974 | 990 | 1013 | 1006 | 995 | 986 |
| 1923 | 984 | 988 | 997 | 1005 | 1011 | 1011 | 1008 | 1013 | 1013 | 1005 | 994 | 985 |
| 1924 | 985 | 986 | 990 | 994 | 996 | 997 | 991 | 982 | 971 | 961 | 950 | 945 |
| 1925 | 940 | 942 | 946 | 950 | 968 | 979 | 979 | 991 | 995 | 991 | 978 | 971 |
| 1926 | 968 | 969 | 972 | 974 | 985 | 987 | 985 | 972 | 961 | 948 | 935 | 927 |
| 1927 | 925 | 928 | 937 | 944 | 963 | 974 | 981 | 986 | 985 | 977 | 965 | 959 |
| 1928 | 960 | 966 | 971 | 975 | 983 | 1003 | 1001 | 1003 | 997 | 986 | 972 | 965 |
| 1929 | 962 | 964 | 967 | 970 | 973 | 975 | 970 | 967 | 960 | 950 | 940 | 933 |
| 1930 | 929 | 931 | 933 | 937 | 943 | 951 | 949 | 942 | 941 | 931 | 920 | 908 |
| 1931 | 909 | 913 | 917 | 921 | 923 | 925 | 920 | 907 | 890 | 875 | 858 | 848 |
| 1932 | 847 | 850 | 862 | 870 | 883 | 904 | 904 | 924 | 938 | 933 | 923 | 912 |
| 1933 | 913 | 916 | 921 | 924 | 926 | 928 | 919 | 904 | 904 | 885 | 865 | 853 |
| 1934 | 847 | 851 | 857 | 863 | 872 | 882 | 871 | 851 | 833 | 816 | 791 | 773 |
| 1935 | 757 | 761 | 768 | 782 | 793 | 809 | 827 | 870 | 891 | 879 | 862 | 850 |
| 1936 | 850 | 854 | 859 | 877 | 913 | 927 | 939 | 957 | 964 | 955 | 945 | 937 |
| 1937 | 937 | 940 | 944 | 948 | 961 | 975 | 977 | 1001 | 1005 | 997 | 988 | 981 |
| 1938 | 981 | 984 | 996 | 1005 | 1024 | 1045 | 1053 | 1080 | 1088 | 1084 | 1075 | 1070 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1027 | 1016 | 1004 | 996 |
| 1940 | 995 | 995 | 997 | 1009 | 1024 | 1040 | 1048 | 1059 | 1058 | 1049 | 1038 | 1030 |
| 1941 | 1029 | 1031 | 1036 | 1043 | 1050 | 1055 | 1052 | 1066 | 1072 | 1066 | 1056 | 1050 |
| 1942 | 1048 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1068 | 1062 |
| 1943 | 1043 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1060 | 1051 | 1044 |
| 1944 | 1042 | 1043 | 1044 | 1046 | 1048 | 1052 | 1047 | 1046 | 1041 | 1030 | 1018 | 1010 |
| 1945 | 1008 | 1013 | 1017 | 1022 | 1036 | 1044 | 1043 | 1054 | 1060 | 1053 | 1043 | 1036 |
| 1946 | 1035 | 1039 | 1049 | 1050 | 1050 | 1054 | 1052 | 1060 | 1059 | 1050 | 1039 | 1032 |
| 1947 | 1031 | 1034 | 1036 | 1039 | 1042 | 1044 | 1034 | 1023 | 1012 | 1000 | 986 | 977 |
| 1948 | 973 | 975 | 977 | 979 | 980 | 984 | 982 | 985 | 994 | 986 | 976 | 969 |
| 1949 | 966 | 969 | 972 | 975 | 978 | 985 | 979 | 981 | 978 | 968 | 956 | 949 |
| 1950 | 945 | 946 | 948 | 956 | 966 | 975 | 971 | 978 | 987 | 977 | 966 | 958 |
| 1951 | 955 | 952 | 952 | 953 | 956 | 955 | 953 | 957 | 955 | 953 | 951 | 949 |
| 1952 | 1016 | 1019 | 1026 | 1040 | 1050 | 1055 | 1058 | 1087 | 1088 | 1086 | 1077 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1049 | 1043 | 1049 | 1041 | 1029 | 1021 |
| 1954 | 1018 | 1020 | 1023 | 1026 | 1028 | 1036 | 1036 | 1038 | 1031 | 1019 | 1007 | 999 |
| 1955 | 996 | 998 | 1002 | 1006 | 1007 | 1010 | 1003 | 997 | 996 | 986 | 974 | 966 |
| 1956 | 963 | 965 | 967 | 1024 | 1037 | 1047 | 1039 | 1055 | 1065 | 1060 | 1050 | 1043 |
| 1957 | 1041 | 1043 | 1045 | 1047 | 1050 | 1055 | 1044 | 1043 | 1042 | 1031 | 1020 | 1012 |
| 1958 | 1007 | 1009 | 1012 | 1018 | 1027 | 1042 | 1049 | 1075 | 1088 | 1082 | 1072 | 1065 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1019 | 1008 | 996 | 988 |
| 1960 | 983 | 984 | 987 | 990 | 996 | 1002 | 999 | 994 | 987 | 975 | 962 | 953 |
| 1961 | 945 | 948 | 952 | 954 | 957 | 960 | 954 | 944 | 933 | 923 | 908 | 898 |
| 1962 | 897 | 900 | 904 | 907 | 923 | 929 | 931 | 929 | 932 | 923 | 906 | 893 |
| 1963 | 887 | 892 | 899 | 912 | 933 | 935 | 936 | 959 | 965 | 958 | 946 | 940 |
| 1964 | 940 | 945 | 949 | 955 | 957 | 961 | 952 | 943 | 938 | 926 | 911 | 897 |
| 1965 | 891 | 897 | 937 | 964 | 979 | 989 | 998 | 999 | 1004 | 998 | 985 | 977 |
| 1966 | 976 | 982 | 988 | 994 | 999 | 1004 | 996 | 993 | 983 | 971 | 959 | 950 |
| 1967 | 948 | 951 | 963 | 978 | 989 | 1001 | 1002 | 1025 | 1054 | 1058 | 1049 | 1042 |
| 1968 | 1040 | 1042 | 1044 | 1047 | 1050 | 1054 | 1045 | 1039 | 1029 | 1017 | 1003 | 995 |
| 1969 | 993 | 997 | 999 | 1029 | 1049 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1048 | 1053 | 1054 | 1043 | 1030 | 1023 |
| 1971 | 1021 | 1025 | 1033 | 1040 | 1045 | 1051 | 1045 | 1049 | 1053 | 1044 | 1031 | 1024 |
| 1972 | 1020 | 1023 | 1029 | 1034 | 1035 | 1037 | 1025 | 1025 | 1016 | 1003 | 990 | 981 |
| 1973 | 977 | 980 | 986 | 999 | 1014 | 1025 | 1025 | 1037 | 1038 | 1026 | 1014 | 1007 |
| 1974 | 1007 | 1013 | 1022 | 1035 | 1045 | 1055 | 1059 | 1070 | 1070 | 1061 | 1050 | 1043 |
| 1975 | 1042 | 1044 | 1047 | 1050 | 1050 | 1055 | 1050 | 1049 | 1061 | 1054 | 1042 | 1035 |
| 1976 | 1034 | 1037 | 1039 | 1041 | 1043 | 1046 | 1040 | 1034 | 1024 | 1016 | 1006 | 1000 |
| 1977 | 1000 | 1001 | 1003 | 1003 | 1003 | 1003 | 997 | 989 | 981 | 969 | 957 | 952 |
| 1978 | 950 | 950 | 954 | 964 | 977 | 995 | 1002 | 1017 | 1025 | 1019 | 1009 | 1004 |
| 1979 | 1003 | 1006 | 1009 | 1018 | 1030 | 1044 | 1044 | 1054 | 1051 | 1038 | 1025 | 1018 |
| 1980 | 1018 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1035 | 1022 | 1010 | 998 | 992 |
| 1982 | 989 | 997 | 1012 | 1032 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1049 | 1052 | 1051 | 1043 | 1032 | 1027 |
| 1985 | 1026 | 1031 | 1036 | 1039 | 1042 | 1046 | 1036 | 1030 | 1019 | 1007 | 996 | 989 |
| 1986 | 987 | 990 | 994 | 1003 | 1050 | 1055 | 1056 | 1061 | 1065 | 1057 | 1048 | 1043 |
| 1987 | 1042 | 1045 | 1047 | 1048 | 1049 | 1052 | 1048 | 1039 | 1030 | 1022 | 1015 | 1011 |
| 1988 | 1007 | 1006 | 1007 | 1008 | 1010 | 1012 | 1006 | 997 | 989 | 982 | 974 | 967 |
| 1989 | 967 | 966 | 967 | 968 | 971 | 982 | 978 | 972 | 967 | 956 | 946 | 941 |
| 1990 | 944 | 947 | 951 | 954 | 957 | 962 | 953 | 938 | 927 | 914 | 899 | 890 |
| 1991 | 889 | 890 | 895 | 895 | 895 | 904 | 898 | 892 | 876 | 859 | 842 | 835 |
| 1992 | 836 | 839 | 844 | 847 | 859 | 867 | 859 | 845 | 828 | 814 | 790 | 775 |
| 1993 | 780 | 789 | 800 | 822 | 915 | 959 | 953 | 955 | 966 | 957 | 947 | 943 |
| 1994 | 942 | 943 | 946 | 947 | 949 | 954 | 950 | 946 | 938 | 928 | 917 | 909 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 111 | 114 | 98 | 75 | 82 | 93 |
| 77 | 77 | 80 | 75 | 75 | 83 | 94 |
| 92 | 91 | 97 | 106 | 117 | 127 | 138 |
| 120 | 109 | 109 | 97 | 93 | 97 | 110 |
| 103 | 101 | 103 | 116 | 127 | 140 | 153 |
| 125 | 114 | 107 | 102 | 103 | 111 | 123 |
| 105 | 85 | 87 | 85 | 91 | 102 | 116 |
| 115 | 113 | 118 | 121 | 128 | 138 | 148 |
| 145 | 137 | 139 | 146 | 147 | 157 | 168 |
| 165 | 163 | 168 | 181 | 198 | 213 | 230 |
| 195 | 184 | 184 | 164 | 150 | 155 | 165 |
| 162 | 160 | 169 | 184 | 184 | 203 | 223 |
| 216 | 206 | 217 | 237 | 255 | 272 | 297 |
| 295 | 279 | 261 | 218 | 197 | 209 | 226 |
| 175 | 161 | 149 | 131 | 124 | 133 | 143 |
| 127 | 113 | 111 | 87 | 83 | 91 | 100 |
| 64 | 43 | 35 | 8 | 0 | 4 | 13 |
| 38 | 36 | 38 | 50 | 61 | 72 | 84 |
| 64 | 48 | 40 | 29 | 30 | 39 | 50 |
| 38 | 33 | 36 | 22 | 16 | 22 | 32 |
| 38 | 33 | 33 | 21 | 7 | 10 | 20 |
| 38 | 33 | 27 | 20 | 21 | 28 | 37 |
| 40 | 36 | 41 | 42 | 47 | 58 | 70 |
| 52 | 44 | 45 | 34 | 28 | 35 | 45 |
| 38 | 34 | 36 | 28 | 29 | 38 | 49 |
| 46 | 44 | 54 | 65 | 76 | 88 | 102 |
| 108 | 104 | 106 | 103 | 94 | 102 | 112 |
| 110 | 103 | 109 | 107 | 110 | 120 | 132 |
| 122 | 113 | 117 | 110 | 101 | 111 | 122 |
| 38 | 33 | 35 | 35 | 39 | 51 | 63 |
| 38 | 33 | 30 | 1 | 0 | 2 | 11 |
| 38 | 34 | 39 | 45 | 39 | 47 | 59 |
| 60 | 52 | 52 | 50 | 57 | 69 | 81 |
| 81 | 78 | 85 | 91 | 92 | 102 | 114 |
| 101 | 103 | 105 | 105 | 106 | 105 | 104 |
| 38 | 33 | 44 | 45 | 46 | 57 | 68 |
| 61 | 46 | 39 | 13 | 0 | 6 | 16 |
| 38 | 35 | 42 | 58 | 69 | 80 | 92 |
| 92 | 86 | 89 | 94 | 101 | 113 | 126 |
| 131 | 128 | 134 | 144 | 155 | 165 | 180 |
| 165 | 159 | 157 | 159 | 155 | 165 | 182 |
| 155 | 153 | 152 | 129 | 123 | 130 | 142 |
| 131 | 127 | 136 | 145 | 150 | 162 | 177 |
| 109 | 99 | 90 | 89 | 84 | 90 | 103 |
| 89 | 84 | 92 | 95 | 105 | 117 | 129 |
| 99 | 87 | 86 | 63 | 34 | 30 | 39 |
| 38 | 34 | 43 | 49 | 59 | 71 | 85 |
| 39 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 40 | 35 | 34 | 45 | 58 |
| 43 | 37 | 43 | 39 | 35 | 44 | 57 |
| 53 | 51 | 63 | 63 | 72 | 85 | 98 |
| 74 | 63 | 63 | 51 | 50 | 62 | 74 |
| 43 | 33 | 29 | 18 | 18 | 27 | 38 |
| 43 | 33 | 38 | 39 | 27 | 34 | 46 |
| 45 | 42 | 48 | 54 | 64 | 72 | 82 |
| 85 | 85 | 91 | 99 | 107 | 119 | 131 |
| 111 | 93 | 86 | 71 | 63 | 69 | 79 |
| 58 | 44 | 44 | 34 | 37 | 50 | 63 |
| 38 | 33 | 32 | 25 | 18 | 20 | 31 |
| 38 | 35 | 43 | 53 | 66 | 78 | |

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc818-f, 17 Jun 97
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-507/81/ELEVATION-EOP/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index =

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|----|----|----|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|----|-----|-----|
| 1922 | 599 | 582 | 579 | 601 | 656 | 690 | 699 | 724 | 782 | 779 | 763 | 752 | 142 | 133 | 108 | 50 | 53 | 69 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 9 | 25 | 58 | -3 | -16 | -11 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 | |
| 1923 | 746 | 745 | 748 | 761 | 776 | 784 | 789 | 792 | 792 | 785 | 770 | 760 | 48 | 43 | 40 | 40 | 47 | 62 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 5 | 3 | 0 | -7 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 | |
| 1924 | 754 | 751 | 746 | 744 | 745 | 743 | 738 | 733 | 725 | 711 | 697 | 689 | 89 | 94 | 99 | 107 | 121 | 135 | 143 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -2 | -5 | -5 | -8 | -14 | -14 | -8 | 6 | 5 | 5 | 4 | 3 | 3 | 4 | 29 | 203 | |
| 1925 | 685 | 686 | 687 | 691 | 712 | 731 | 744 | 757 | 758 | 747 | 730 | 718 | 101 | 88 | 75 | 74 | 85 | 102 | 114 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 19 | 13 | 13 | 1 | -11 | -17 | -12 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | |
| 1926 | 711 | 708 | 703 | 702 | 712 | 719 | 734 | 748 | 745 | 729 | 712 | 701 | 113 | 98 | 84 | 87 | 103 | 120 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 15 | 14 | -3 | -16 | -17 | -11 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 | |
| 1927 | 695 | 694 | 699 | 708 | 740 | 756 | 768 | 769 | 789 | 781 | 766 | 756 | 76 | 64 | 63 | 43 | 51 | 66 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 12 | 1 | 20 | -8 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 | |
| 1928 | 749 | 749 | 750 | 753 | 762 | 781 | 790 | 808 | 808 | 793 | 777 | 768 | 781 | 790 | 808 | 808 | 793 | 777 | 768 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 19 | 9 | 18 | 0 | -15 | -16 | -9 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 231 | |
| 1929 | 762 | 756 | 752 | 751 | 755 | 757 | 757 | 761 | 761 | 750 | 740 | 733 | 75 | 75 | 71 | 71 | 82 | 92 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 4 | 0 | -11 | -10 | -7 | 6 | 6 | 6 | 6 | 3 | 4 | 4 | 35 | 245 | |
| 1930 | 730 | 727 | 724 | 725 | 730 | 738 | 739 | 743 | 743 | 733 | 723 | 716 | 94 | 93 | 89 | 89 | 99 | 109 | 116 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 1 | 4 | 0 | -10 | -10 | -7 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 | |
| 1931 | 713 | 712 | 711 | 713 | 717 | 716 | 708 | 697 | 684 | 686 | 649 | 640 | 116 | 124 | 135 | 148 | 168 | 183 | 192 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | -8 | -11 | -13 | -18 | -17 | -9 | 5 | 4 | 3 | 3 | 2 | 2 | 4 | 23 | 161 | |
| 1932 | 637 | 632 | 644 | 665 | 708 | 726 | 727 | 735 | 755 | 750 | 734 | 722 | 106 | 105 | 97 | 77 | 82 | 98 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 18 | 1 | 8 | 20 | -5 | -16 | -12 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 | |
| 1933 | 714 | 706 | 699 | 698 | 705 | 709 | 707 | 704 | 724 | 711 | 694 | 684 | 123 | 125 | 128 | 108 | 121 | 138 | 148 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | -2 | -3 | 20 | -13 | -17 | -10 | 6 | 5 | 5 | 6 | 3 | 2 | 4 | 31 | 217 | |
| 1934 | 674 | 672 | 669 | 673 | 687 | 695 | 695 | 690 | 686 | 666 | 648 | 637 | 137 | 137 | 142 | 146 | 166 | 184 | 195 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 0 | -5 | -4 | -20 | -18 | -11 | 6 | 6 | 5 | 5 | 2 | 2 | 3 | 29 | 203 | |
| 1935 | 632 | 632 | 633 | 648 | 675 | 692 | 717 | 729 | 760 | 746 | 729 | 716 | 140 | 115 | 103 | 72 | 86 | 103 | 116 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 25 | 12 | 31 | -14 | -17 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | |
| 1936 | 708 | 705 | 700 | 705 | 748 | 766 | 775 | 794 | 812 | 803 | 788 | 777 | 66 | 57 | 38 | 20 | 29 | 44 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 18 | 9 | 19 | 18 | -9 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 34 | 238 | |
| 1937 | 771 | 765 | 761 | 764 | 792 | 800 | 802 | 815 | 832 | 819 | 805 | 795 | 32 | 30 | 17 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 15 | 8 | 2 | 13 | 17 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 510 | |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 | 32 | 32 | 28 | 1 | 0 | 13 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 1 | 18 | 0 | 0 | 4 | 27 | 1 | -13 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 648 | |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 32 | 30 | 28 | 33 | 45 | 58 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 2 | -5 | -12 | -13 | -8 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 | |
| 1940 | 764 | 763 | 761 | 774 | 800 | 800 | 802 | 816 | 816 | 801 | 785 | 775 | 32 | 30 | 16 | 16 | 31 | 47 | 57 | 1 | 1 | 2 | 2 | 1 | 1 | 9 | 0 | 2 | 14 | 0 | -15 | -16 | -10 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 297 | |
| 1941 | 769 | 767 | 769 | 784 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 | 32 | 32 | 20 | 0 | 1 | 15 | 24 | 1 | 1 | 1 | 6 | 5 | 2 | 17 | 0 | 0 | 12 | 20 | -1 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 612 | |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 | 32 | 30 | 25 | 1 | 0 | 14 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 1 | 18 | 0 | 2 | 5 | 24 | 1 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 666 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 | 32 | 30 | 11 | 0 | 8 | 22 | 33 | 1 | 1 | 3 | 6 | 4 | 1 | 17 | 0 | 2 | 19 | 11 | -8 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 578 | |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 808 | 795 | 780 | 770 | 32 | 31 | 24 | 24 | 37 | 52 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 1 | 7 | 0 | -13 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | |
| 1945 | 765 | 766 | 769 | 775 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 | 32 | 30 | 25 | 1 | 7 | 22 | 33 | 1 | 1 | 1 | 5 | 4 | 1 | 14 | 0 | 2 | 5 | 24 | -6 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 476 | |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 806 | 790 | 774 | 763 | 32 | 30 | 26 | 26 | 42 | 58 | 69 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 4 | 0 | -16 | -16 | -11 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1947 | 757 | 756 | 759 | 762 | 770 | 775 | 772 | 776 | 770 | 757 | 743 | 736 | 57 | 60 | 56 | 62 | 75 | 89 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -3 | 4 | -6 | -13 | -14 | -7 | 6 | 5 | 6 | 4 | 3 | 3 | 4 | 31 | 217 | |
| 1948 | 733 | 732 | 731 | 732 | 733 | 734 | 730 | 738 | 765 | 753 | 736 | 725 | 98 | 102 | 94 | 67 | 79 | 96 | 107 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -4 | 8 | 27 | -12 | -17 | -11 | 6 | 5 | 6 | 6 | 3 | 2 | 3 | 31 | 217 | |
| 1949 | 719 | 712 | 707 | 706 | 713 | 725 | 732 | 742 | 742 | 725 | 703 | 690 | 107 | 100 | 90 | 90 | 107 | 129 | 142 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 7 | 10 | 0 | -17 | -22 | -13 | 6 | 6 | 6 | 6 | 2 | 1 | 3 | 30 | 210 | |
| 1950 | 684 | 676 | 668 | 675 | 696 | 709 | 719 | 733 | 733 | 716 | 695 | 682 | 123 | 113 | 99 | 99 | 116 | 137 | 150 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 10 | 14 | 0 | -17 | -21 | -13 | 6 | 6 | 6 | 6 | 2 | 1 | 3 | 30 | 210 | |
| 1951 | 675 | 730 | 780 | 800 | 800 | 800 | 798 | 794 | 794 | 779 | 765 | 754 | 32 | 34 | 38 | 38 | 53 | 67 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -2 | -4 | 0 | -15 | -14 | -11 | 6 | 5 | 5 | 6 | 3 | 3 | 3 | 31 | 217 | |
| 1952 | 748 | 746 | 752 | 778 | 799 | 800 | 800 | 820 | 832 | 832 | 819 | 808 | 32 | 32 | 12 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 1 | 21 | 1 | 0 | 20 | 12 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 802 | 811 | 808 | 794 | 784 | 32 | 30 | 30 | 21 | 24 | 38 | 48 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 0 | 9 | -3 | -14 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 252 | |
| 1954 | 779 | 775 | 772 | 774 | 783 | 795 | 802 | 819 | 819 | 804 | 789 | 779 | 37 | 30 | 13 | 13 | 28 | 43 | 53 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 11 | 12 | 7 | 17 | 0 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 |
| 1955 | 774 | 769 | 768 | 774 | 780 | 782 | 779 | 783 | 783 | 770 | 758 | 750 | 50 | 53 | 49 | 49 | 62 | 74 | 82 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -3 | 4 | 0 | -13 | -12 | -8 | 6 | 5 | 6 | 6 | 3 | 3 | 4 | 33 | 231 | |
| 1956 | 745 | 741 | 731 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 | 32 | 30 | 14 | 0 | 0 | 14 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 1 | 21 | 0 | 2 | 16 | 14 | 0 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 777 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 | 32 | 32 | 26 | 5 | 18 | 32 | 41 | 1 | 1 | 1 | 4 | 2 | 1 | 11 | 1 | 0 | 6 | 21 | -13 | -14 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 | |
| 1958 | 786 | 781 | 779 | 784 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 | 32 | 32 | 11 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 1 | 21 | 0 | 0 | 21 | 11 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc18-f, 17 Jun 97
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-507/20/ELEVATION-EOP/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 867

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 680 | 680 | 680 | 680 | 680 | 779 | 789 | 845 | 867 | 860 | 847 | 837 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 854 | 845 | 830 | 820 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 808 | 806 | 794 | 776 | 762 | 751 |
| 1925 | 751 | 757 | 762 | 767 | 791 | 800 | 819 | 843 | 844 | 831 | 815 | 803 |
| 1926 | 801 | 801 | 802 | 804 | 808 | 814 | 834 | 832 | 832 | 828 | 821 | 813 |
| 1927 | 808 | 808 | 808 | 808 | 808 | 815 | 818 | 849 | 860 | 856 | 853 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 822 | 816 | 812 | 809 |
| 1929 | 808 | 807 | 807 | 806 | 808 | 810 | 811 | 813 | 813 | 813 | 814 | 807 |
| 1930 | 807 | 806 | 805 | 805 | 805 | 801 | 805 | 807 | 807 | 807 | 808 | 806 |
| 1931 | 804 | 804 | 804 | 805 | 806 | 806 | 804 | 802 | 790 | 771 | 757 | 746 |
| 1932 | 744 | 745 | 766 | 777 | 808 | 817 | 826 | 852 | 867 | 857 | 843 | 832 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 816 | 825 | 836 | 824 | 810 | 801 |
| 1934 | 800 | 799 | 802 | 808 | 808 | 816 | 823 | 819 | 810 | 794 | 780 | 771 |
| 1935 | 770 | 774 | 779 | 796 | 806 | 817 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 776 | 777 | 778 | 804 | 808 | 820 | 837 | 859 | 856 | 840 | 823 | 810 |
| 1941 | 807 | 807 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 864 | 851 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 861 | 852 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 835 | 835 | 822 | 804 | 790 |
| 1945 | 788 | 795 | 801 | 805 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 832 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 858 | 843 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 818 | 832 | 825 | 809 | 794 | 784 |
| 1948 | 784 | 785 | 786 | 788 | 790 | 789 | 794 | 815 | 833 | 818 | 800 | 786 |
| 1949 | 783 | 782 | 783 | 785 | 789 | 797 | 804 | 827 | 826 | 805 | 786 | 770 |
| 1950 | 767 | 767 | 767 | 774 | 787 | 791 | 808 | 830 | 830 | 811 | 792 | 777 |
| 1951 | 774 | 808 | 808 | 808 | 808 | 819 | 819 | 819 | 817 | 796 | 774 | 759 |
| 1952 | 754 | 756 | 769 | 804 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 809 | 810 | 810 | 796 | 775 | 760 |
| 1954 | 756 | 756 | 757 | 760 | 770 | 784 | 802 | 823 | 814 | 793 | 771 | 755 |
| 1955 | 752 | 751 | 761 | 766 | 766 | 767 | 791 | 791 | 774 | 756 | 744 | |
| 1956 | 740 | 740 | 808 | 808 | 808 | 819 | 831 | 859 | 867 | 867 | 851 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 826 | 834 | 817 | 799 | 784 |
| 1958 | 781 | 782 | 786 | 794 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 |
| 1960 | 772 | 771 | 771 | 772 | 784 | 792 | 806 | 819 | 816 | 801 | 787 | 777 |
| 1961 | 776 | 776 | 779 | 779 | 782 | 783 | 789 | 793 | 784 | 766 | 752 | 740 |
| 1962 | 739 | 739 | 741 | 744 | 784 | 793 | 816 | 831 | 845 | 832 | 815 | 802 |
| 1963 | 801 | 800 | 801 | 808 | 808 | 814 | 823 | 848 | 861 | 852 | 837 | 826 |
| 1964 | 808 | 808 | 808 | 808 | 808 | 808 | 811 | 817 | 815 | 799 | 783 | 774 |
| 1965 | 771 | 775 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 825 | 835 | 823 | 801 | 780 | 767 |
| 1967 | 764 | 766 | 791 | 804 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 812 | 813 | 803 | 783 | 767 | 755 |
| 1969 | 751 | 757 | 765 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 821 | 822 | 802 | 782 | 767 |
| 1971 | 765 | 767 | 778 | 788 | 795 | 800 | 800 | 801 | 803 | 786 | 765 | 749 |
| 1972 | 745 | 745 | 755 | 761 | 768 | 781 | 781 | 789 | 788 | 769 | 751 | 742 |
| 1973 | 742 | 744 | 752 | 768 | 797 | 813 | 822 | 859 | 862 | 848 | 833 | 823 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 806 | 795 | 777 | 764 | 755 |
| 1977 | 753 | 751 | 750 | 750 | 750 | 745 | 737 | 726 | 715 | 685 | 655 | 631 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 857 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 859 | 844 | 829 | 818 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 832 | 828 | 813 | 799 | 791 |
| 1982 | 789 | 798 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 826 | 824 | 805 | 784 | 769 |
| 1985 | 768 | 772 | 776 | 779 | 786 | 793 | 808 | 809 | 802 | 784 | 768 | 757 |
| 1986 | 758 | 760 | 768 | 777 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 818 | 808 | 793 | 779 | 770 |
| 1988 | 769 | 771 | 773 | 778 | 782 | 788 | 794 | 799 | 791 | 775 | 761 | 750 |
| 1989 | 748 | 747 | 750 | 751 | 756 | 773 | 795 | 806 | 802 | 786 | 772 | 764 |
| 1990 | 765 | 766 | 767 | 769 | 773 | 779 | 791 | 792 | 783 | 767 | 751 | 739 |
| 1991 | 737 | 736 | 736 | 735 | 735 | 755 | 761 | 781 | 795 | 782 | 768 | 759 |
| 1992 | 758 | 759 | 760 | 762 | 775 | 780 | 797 | 797 | 786 | 772 | 759 | 747 |
| 1993 | 746 | 746 | 752 | 796 | 808 | 820 | 833 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 815 | 821 | 813 | 798 | 784 | 775 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 20 | 30 | |
| 54 | 40 | 13 | 13 | 22 | 37 | 47 | |
| 60 | 59 | 61 | 73 | 91 | 105 | 116 | |
| 67 | 48 | 24 | 23 | 36 | 52 | 64 | |
| 53 | 33 | 35 | 35 | 39 | 46 | 54 | |
| 52 | 49 | 18 | 7 | 11 | 14 | 27 | |
| 58 | 59 | 43 | 45 | 51 | 55 | 58 | |
| 57 | 56 | 54 | 54 | 54 | 53 | 60 | |
| 66 | 62 | 60 | 60 | 60 | 59 | 61 | |
| 61 | 63 | 65 | 77 | 96 | 110 | 121 | |
| 50 | 41 | 15 | 0 | 10 | 24 | 35 | |
| 56 | 51 | 42 | 31 | 43 | 57 | 66 | |
| 51 | 44 | 48 | 57 | 73 | 87 | 96 | |
| 50 | 27 | 8 | 0 | 13 | 28 | 39 | |
| 47 | 27 | 8 | 2 | 14 | 29 | 40 | |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | |
| 47 | 27 | 8 | 0 | 10 | 27 | 37 | |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | |
| 47 | 30 | 8 | 11 | 27 | 44 | 57 | |
| 47 | 33 | 8 | 0 | 3 | 16 | 27 | |
| 47 | 29 | 8 | 0 | 6 | 15 | 27 | |
| 47 | 27 | 8 | 0 | 14 | 29 | 39 | |
| 50 | 52 | 32 | 32 | 45 | 63 | 77 | |
| 47 | 34 | 11 | 0 | 11 | 25 | 35 | |
| 49 | 30 | 8 | 9 | 24 | 41 | 54 | |
| 52 | 49 | 35 | 42 | 58 | 73 | 83 | |
| 78 | 73 | 52 | 34 | 49 | 67 | 81 | |
| 70 | 63 | 40 | 41 | 62 | 81 | 97 | |
| 76 | 59 | 37 | 37 | 56 | 75 | 90 | |
| 48 | 48 | 48 | 50 | 71 | 93 | 108 | |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | |
| 58 | 58 | 57 | 57 | 71 | 92 | 107 | |
| 83 | 65 | 44 | 53 | 74 | 96 | 112 | |
| 101 | 100 | 76 | 76 | 93 | 111 | 123 | |
| 48 | 36 | 8 | 0 | 4 | 16 | 27 | |
| 54 | 54 | 41 | 33 | 50 | 68 | 83 | |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | |
| 75 | 61 | 48 | 51 | 66 | 80 | 90 | |
| 84 | 78 | 74 | 83 | 101 | 115 | 127 | |
| 74 | 51 | 36 | 22 | 35 | 52 | 65 | |
| 53 | 44 | 19 | 6 | 15 | 30 | 41 | |
| 59 | 56 | 50 | 52 | 68 | 84 | 93 | |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | |
| 53 | 42 | 32 | 44 | 66 | 87 | 100 | |
| 47 | 27 | 8 | 0 | 11 | 27 | 37 | |
| 55 | 55 | 54 | 64 | 84 | 100 | 112 | |
| 47 | 27 | 8 | 0 | 10 | 27 | 37 | |
| 47 | 46 | 46 | 45 | 65 | 85 | 100 | |
| 67 | 67 | 66 | 64 | 81 | 102 | 118 | |
| 86 | 86 | 78 | 79 | 98 | 116 | 125 | |
| 54 | 45 | 8 | 5 | 19 | 34 | 44 | |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | |
| 58 | 59 | 61 | 72 | 90 | 103 | 112 | |
| 122 | 130 | 141 | 152 | 182 | 212 | 236 | |
| 85 | 52 | 8 | 0 | 10 | 27 | 37 | |
| 47 | 39 | 8 | 0 | 23 | 38 | 49 | |
| 47 | 32 | 8 | 0 | 12 | 27 | 37 | |
| 54 | 44 | 35 | 39 | 54 | 68 | 76 | |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | |
| 47 | 46 | 41 | 43 | 62 | 83 | 98 | |
| 74 | 59 | 58 | 65 | 82 | 99 | 110 | |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 | |
| 57 | 49 | 49 | 59 | 74 | 88 | 97 | |
| 79 | 73 | | | | | | |

STUDY: 1995C06F-SWRCB-507 DWRSIM: recirc818-f, 17 Jun 97
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: #1995C06F-SWRCB-507/18/ELEVATION-EOP/1/IMON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 498 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 487 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|-----|-----|-----|-----|-----|-----|-----|----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 | |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 | |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 | |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 | |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | |
| 18 | 12 | 0 | 0 | 13 | 55 | 104 | 98 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 | |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | |
| 0 | 2 | 0 | 0 | 14 | 85 | 100 | |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 | |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 | |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 | |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | |
| 11 | 0 | 0 | 0 | 19 | 80 | 78 | |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 | |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 | |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 | |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 | |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 | |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 | |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 | |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 | |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 | |
| 0 | 0 | 30 | 15 | 0 | 30 | 35 | |
| 92 | 109 | 109 | 93 | 12 | 4 | 0 | |
| 8 | 6 | 6 | 19 | 46 | 89 | 93 | |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 | |
| 24 | 2 | 11 | 0 | 18 | 73 | 97 | |
| 65 | 46 | 25 | 37 | 73 | 103 | 96 | |
| 49 | 37 | 29 | 49 | 78 | 93 | 90 | |
| 60 | 39 | 24 | 36 | 74 | 98 | 92 | |
| 59 | 44 | 32 | 51 | 68 | 97 | 93 | |
| 87 | 75 | 68 | 64 | 70 | 96 | 90 | |
| 86 | 83 | 82 | 96 | 106 | 11 | | |

Flow Alternative 4

STUDY: 1995C06F-SWRCB-507 DWRSIM: reirc818-f, 17 Jun 97
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-507/12/ELEVATION-EOP/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 441 | 475 | 520 | 539 | 544 | 544 | 539 | 524 | 477 | 433 | 442 |
| 1923 | 473 | 497 | 502 | 517 | 527 | 534 | 529 | 507 | 473 | 448 | 418 | 405 |
| 1924 | 422 | 435 | 463 | 509 | 530 | 530 | 520 | 498 | 465 | 427 | 389 | 384 |
| 1925 | 384 | 394 | 438 | 469 | 516 | 528 | 520 | 494 | 453 | 409 | 350 | 334 |
| 1926 | 374 | 390 | 408 | 464 | 506 | 517 | 512 | 488 | 452 | 437 | 384 | 371 |
| 1927 | 400 | 439 | 477 | 523 | 541 | 544 | 540 | 530 | 500 | 464 | 414 | 428 |
| 1928 | 461 | 492 | 500 | 515 | 527 | 533 | 527 | 506 | 458 | 437 | 415 | 402 |
| 1929 | 414 | 440 | 469 | 517 | 532 | 541 | 532 | 518 | 495 | 467 | 436 | 433 |
| 1930 | 433 | 438 | 482 | 531 | 542 | 544 | 526 | 495 | 465 | 456 | 437 | 414 |
| 1931 | 418 | 423 | 424 | 467 | 481 | 485 | 475 | 462 | 452 | 422 | 370 | 366 |
| 1932 | 377 | 376 | 439 | 498 | 527 | 527 | 519 | 500 | 479 | 472 | 441 | 427 |
| 1933 | 442 | 449 | 450 | 493 | 513 | 521 | 518 | 506 | 479 | 444 | 399 | 397 |
| 1934 | 413 | 413 | 457 | 510 | 521 | 521 | 508 | 486 | 459 | 434 | 403 | 391 |
| 1935 | 389 | 410 | 429 | 489 | 497 | 528 | 531 | 507 | 473 | 429 | 360 | 357 |
| 1936 | 396 | 416 | 435 | 490 | 532 | 543 | 543 | 527 | 493 | 458 | 416 | 410 |
| 1937 | 429 | 442 | 467 | 516 | 535 | 543 | 544 | 539 | 510 | 462 | 412 | 401 |
| 1938 | 433 | 466 | 499 | 515 | 530 | 540 | 544 | 544 | 537 | 504 | 471 | 486 |
| 1939 | 513 | 522 | 526 | 539 | 544 | 544 | 526 | 494 | 462 | 449 | 434 | 414 |
| 1940 | 419 | 416 | 409 | 475 | 516 | 523 | 522 | 499 | 462 | 435 | 352 | 352 |
| 1941 | 391 | 424 | 462 | 514 | 537 | 541 | 538 | 535 | 520 | 470 | 430 | 449 |
| 1942 | 481 | 494 | 499 | 515 | 527 | 531 | 527 | 519 | 510 | 463 | 422 | 440 |
| 1943 | 472 | 486 | 491 | 507 | 518 | 530 | 533 | 536 | 508 | 464 | 415 | 422 |
| 1944 | 455 | 486 | 501 | 516 | 530 | 537 | 519 | 487 | 453 | 439 | 421 | 411 |
| 1945 | 417 | 454 | 490 | 517 | 533 | 539 | 529 | 503 | 466 | 447 | 409 | 402 |
| 1946 | 439 | 471 | 496 | 512 | 523 | 529 | 517 | 490 | 449 | 428 | 411 | 399 |
| 1947 | 421 | 454 | 487 | 515 | 529 | 536 | 521 | 487 | 452 | 437 | 425 | 404 |
| 1948 | 410 | 422 | 435 | 488 | 503 | 524 | 523 | 501 | 464 | 417 | 342 | 351 |
| 1949 | 382 | 408 | 438 | 484 | 506 | 537 | 519 | 489 | 447 | 427 | 407 | 394 |
| 1950 | 406 | 420 | 434 | 487 | 524 | 532 | 520 | 491 | 455 | 432 | 413 | 403 |
| 1951 | 426 | 457 | 493 | 523 | 534 | 539 | 526 | 506 | 464 | 435 | 411 | 406 |
| 1952 | 432 | 481 | 491 | 520 | 533 | 538 | 542 | 544 | 536 | 510 | 492 | 499 |
| 1953 | 506 | 515 | 519 | 532 | 542 | 544 | 529 | 515 | 493 | 469 | 430 | 447 |
| 1954 | 478 | 494 | 501 | 516 | 527 | 533 | 526 | 508 | 460 | 436 | 415 | 403 |
| 1955 | 435 | 465 | 494 | 518 | 530 | 537 | 520 | 493 | 466 | 461 | 425 | 418 |
| 1956 | 431 | 453 | 495 | 528 | 542 | 544 | 538 | 528 | 507 | 475 | 434 | 444 |
| 1957 | 470 | 496 | 500 | 514 | 527 | 533 | 523 | 500 | 466 | 446 | 430 | 420 |
| 1958 | 452 | 481 | 506 | 522 | 534 | 537 | 538 | 530 | 494 | 474 | 488 | 7 |
| 1959 | 496 | 505 | 509 | 523 | 534 | 541 | 521 | 488 | 453 | 438 | 426 | 421 |
| 1960 | 432 | 446 | 457 | 504 | 539 | 544 | 525 | 491 | 458 | 437 | 380 | 358 |
| 1961 | 376 | 414 | 452 | 501 | 534 | 544 | 523 | 487 | 457 | 445 | 430 | 407 |
| 1962 | 412 | 419 | 456 | 492 | 530 | 535 | 517 | 484 | 433 | 402 | 326 | 336 |
| 1963 | 376 | 411 | 443 | 489 | 522 | 529 | 528 | 520 | 496 | 465 | 431 | 445 |
| 1964 | 475 | 503 | 515 | 531 | 541 | 544 | 518 | 482 | 437 | 413 | 391 | 395 |
| 1965 | 401 | 431 | 467 | 517 | 531 | 538 | 539 | 525 | 492 | 464 | 419 | 428 |
| 1966 | 459 | 487 | 497 | 512 | 523 | 529 | 512 | 481 | 435 | 413 | 397 | 387 |
| 1967 | 401 | 437 | 476 | 515 | 528 | 534 | 538 | 541 | 534 | 522 | 502 | 505 |
| 1968 | 512 | 523 | 527 | 540 | 544 | 544 | 529 | 496 | 458 | 440 | 423 | 417 |
| 1969 | 432 | 462 | 495 | 523 | 536 | 544 | 544 | 544 | 537 | 517 | 489 | 503 |
| 1970 | 517 | 526 | 530 | 544 | 544 | 544 | 534 | 511 | 472 | 451 | 415 | 410 |
| 1971 | 432 | 465 | 496 | 515 | 524 | 531 | 520 | 504 | 476 | 455 | 435 | 448 |
| 1972 | 475 | 502 | 513 | 528 | 540 | 544 | 526 | 493 | 453 | 434 | 419 | 404 |
| 1973 | 432 | 463 | 494 | 523 | 534 | 540 | 534 | 512 | 485 | 452 | 422 | 422 |
| 1974 | 454 | 483 | 504 | 520 | 531 | 536 | 534 | 522 | 493 | 464 | 438 | 451 |
| 1975 | 474 | 484 | 488 | 503 | 516 | 521 | 517 | 502 | 477 | 444 | 430 | 440 |
| 1976 | 467 | 485 | 491 | 506 | 520 | 532 | 514 | 487 | 467 | 465 | 448 | 429 |
| 1977 | 430 | 437 | 439 | 456 | 456 | 456 | 459 | 447 | 428 | 405 | 399 | 413 |
| 1978 | 418 | 435 | 485 | 535 | 544 | 544 | 544 | 526 | 469 | 413 | 433 | 0 |
| 1979 | 466 | 488 | 492 | 507 | 521 | 528 | 522 | 504 | 474 | 455 | 409 | 405 |
| 1980 | 439 | 474 | 502 | 519 | 534 | 544 | 544 | 544 | 527 | 492 | 452 | 469 |
| 1981 | 500 | 519 | 525 | 539 | 544 | 544 | 530 | 496 | 459 | 441 | 423 | 411 |
| 1982 | 423 | 458 | 491 | 523 | 536 | 544 | 544 | 544 | 531 | 494 | 462 | 472 |
| 1983 | 496 | 515 | 521 | 535 | 544 | 544 | 544 | 537 | 527 | 514 | 521 | 0 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 536 | 514 | 479 | 459 | 413 | 421 |
| 1985 | 456 | 487 | 498 | 513 | 525 | 533 | 515 | 485 | 440 | 421 | 404 | 397 |
| 1986 | 402 | 409 | 447 | 499 | 530 | 544 | 544 | 544 | 532 | 492 | 459 | 468 |
| 1987 | 497 | 508 | 534 | 544 | 544 | 544 | 523 | 487 | 458 | 447 | 425 | 410 |
| 1988 | 420 | 416 | 454 | 504 | 517 | 517 | 506 | 491 | 479 | 460 | 425 | 421 |
| 1989 | 421 | 437 | 457 | 494 | 494 | 527 | 516 | 486 | 450 | 439 | 386 | 395 |
| 1990 | 410 | 427 | 456 | 498 | 519 | 523 | 506 | 477 | 458 | 446 | 401 | 383 |
| 1991 | 383 | 389 | 389 | 404 | 404 | 468 | 468 | 457 | 444 | 424 | 408 | 409 |
| 1992 | 412 | 425 | 439 | 484 | 517 | 540 | 530 | 514 | 492 | 475 | 436 | 429 |
| 1993 | 429 | 435 | 479 | 532 | 542 | 544 | 539 | 533 | 518 | 464 | 412 | 417 |
| 1994 | 452 | 482 | 491 | 505 | 518 | 528 | 507 | 475 | 450 | 446 | 445 | 432 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 5 | 20 | 67 | 111 | 102 |
| 10 | 15 | 37 | 71 | 96 | 126 | 139 |
| 14 | 24 | 46 | 79 | 117 | 155 | 160 |
| 16 | 24 | 50 | 91 | 135 | 194 | 210 |
| 27 | 32 | 56 | 92 | 107 | 160 | 173 |
| 0 | 4 | 14 | 44 | 80 | 130 | 116 |
| 11 | 17 | 38 | 86 | 107 | 129 | 142 |
| 3 | 12 | 26 | 49 | 77 | 108 | 111 |
| 0 | 18 | 49 | 79 | 88 | 107 | 130 |
| 59 | 69 | 82 | 92 | 122 | 174 | 178 |
| 17 | 25 | 44 | 65 | 72 | 103 | 117 |
| 23 | 26 | 38 | 65 | 100 | 145 | 147 |
| 23 | 36 | 58 | 85 | 110 | 141 | 153 |
| 16 | 13 | 37 | 71 | 115 | 184 | 187 |
| 1 | 1 | 17 | 51 | 86 | 128 | 134 |
| 1 | 0 | 5 | 34 | 82 | 132 | 143 |
| 4 | 0 | 0 | 7 | 40 | 73 | 58 |
| 0 | 18 | 50 | 82 | 95 | 110 | 130 |
| 21 | 22 | 45 | 82 | 109 | 192 | 192 |
| 3 | 6 | 9 | 24 | 74 | 114 | 95 |
| 13 | 17 | 25 | 34 | 81 | 122 | 104 |
| 14 | 11 | 8 | 36 | 80 | 129 | 122 |
| 7 | 25 | 57 | 91 | 105 | 123 | 133 |
| 5 | 15 | 41 | 78 | 97 | 135 | 142 |
| 15 | 27 | 54 | 95 | 116 | 133 | 145 |
| 8 | 23 | 57 | 92 | 107 | 119 | 140 |
| 20 | 21 | 43 | 80 | 127 | 202 | 193 |
| 7 | 25 | 55 | 97 | 117 | 137 | 150 |
| 12 | 24 | 53 | 89 | 112 | 131 | 141 |
| 5 | 18 | 38 | 80 | 109 | 133 | 138 |
| 6 | 2 | 0 | 8 | 34 | 52 | 45 |
| 0 | 15 | 29 | 51 | 75 | 114 | 97 |
| 11 | 18 | 36 | 84 | 108 | 129 | 141 |
| 7 | 24 | 51 | 78 | 83 | 119 | 126 |
| 0 | 6 | 16 | 37 | 69 | 110 | 100 |
| 11 | 21 | 44 | 78 | 98 | 114 | 124 |
| 7 | 6 | 6 | 14 | 50 | 70 | 56 |
| 3 | 23 | 56 | 91 | 106 | 118 | 123 |
| 0 | 19 | 53 | 86 | 107 | 164 | 186 |
| 0 | 21 | 57 | 87 | 99 | 114 | 137 |
| 9 | 27 | 60 | 111 | 142 | 218 | 208 |
| 15 | 16 | 24 | 48 | 79 | 113 | 99 |
| 0 | 26 | 62 | 107 | 131 | 153 | 149 |
| 6 | 5 | 19 | 52 | 80 | 125 | 116 |
| 15 | 32 | 63 | 109 | 131 | 147 | 157 |
| 10 | 6 | 3 | 10 | 22 | 42 | 39 |
| 0 | 15 | 48 | 86 | 104 | 121 | 127 |
| 0 | 0 | 0 | 7 | 27 | 55 | 41 |
| 0 | 10 | 33 | 72 | 93 | 129 | 134 |
| 13 | 24 | 40 | 68 | 89 | 109 | 96 |
| 0 | 18 | 51 | 91 | 110 | 125 | 140 |
| 4 | 10 | 32 | 59 | 92 | 122 | 122 |
| 8 | 10 | 22 | 51 | 80 | 106 | 93 |
| 23 | 27 | 42 | 67 | 100 | 114 | 104 |
| 13 | 30 | 57 | 77 | 79 | 96 | 115 |
| 88 | 85 | 97 | 116 | 139 | 145 | 131 |
| 0 | 0 | 0 | 18 | 75 | 131 | 111 |
| 16 | 22 | 40 | 70 | 89 | 135 | 139 |
| 0 | 0 | 0 | 17 | 52 | 92 | 75 |
| 0 | 14 | 48 | 85 | 103 | 121 | 133 |
| 1 | 0 | 0 | 13 | 50 | 82 | 72 |
| 0 | 0 | 0 | 7 | 17 | 30 | 23 |
| 0 | 8 | 30 | 65 | 85 | 131 | 123 |
| 11 | 29 | 59 | 104 | 123 | 140 | 147 |
| 0 | 0 | 0 | 12 | 52 | 85 | 76 |
| 0 | 21 | 57 | 86 | 97 | 119 | 134 |
| 27 | 38 | 63 | 85 | 84 | 119 | 123 |
| 17 | 28 | 58 | 94 | 105 | 158 | 149 |
| 21 | 38 | 67 | 86 | 98 | 143 | 161 |
| 76 | 76 | | | | | |

Flow Alternative 5

STUDY: 1995C06H-SWRCB-513 DWRSIM: recirc18-h, 05 Sep 97
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06H-SWRCB-513/4/ELEVATION-EOP/1MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from
 Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73-year maximum March - September Reservoir Elevation = 1067

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1922 | 989 | 993 | 999 | 1,003 | 1,018 | 1,037 | 1,059 | 1,067 | 1,062 | 1,048 | 1,031 | 1,025 |
| 1923 | 1,022 | 1,017 | 1,019 | 1,022 | 1,022 | 1,032 | 1,034 | 1,030 | 1,016 | 1,001 | 984 | 982 |
| 1924 | 983 | 982 | 981 | 981 | 987 | 987 | 977 | 963 | 949 | 933 | 915 | 905 |
| 1925 | 908 | 919 | 927 | 936 | 1,003 | 1,011 | 1,042 | 1,052 | 1,048 | 1,037 | 1,024 | 1,024 |
| 1926 | 1,021 | 1,017 | 1,014 | 1,010 | 1,036 | 1,039 | 1,050 | 1,047 | 1,031 | 1,012 | 996 | 990 |
| 1927 | 988 | 1,007 | 1,021 | 1,035 | 1,026 | 1,052 | 1,067 | 1,067 | 1,061 | 1,047 | 1,032 | 1,027 |
| 1928 | 1,023 | 1,017 | 1,020 | 1,028 | 1,043 | 1,046 | 1,066 | 1,064 | 1,046 | 1,029 | 1,010 | 1,004 |
| 1929 | 1,001 | 1,000 | 999 | 998 | 1,002 | 1,003 | 1,008 | 1,005 | 995 | 980 | 962 | 955 |
| 1930 | 953 | 953 | 983 | 993 | 1,009 | 1,031 | 1,041 | 1,040 | 1,029 | 1,014 | 1,003 | 1,000 |
| 1931 | 996 | 992 | 988 | 987 | 987 | 991 | 984 | 975 | 967 | 955 | 944 | 935 |
| 1932 | 935 | 935 | 948 | 956 | 964 | 988 | 990 | 997 | 990 | 978 | 964 | 958 |
| 1933 | 955 | 954 | 955 | 957 | 959 | 991 | 993 | 995 | 992 | 980 | 964 | 956 |
| 1934 | 954 | 954 | 962 | 979 | 995 | 1,007 | 1,010 | 1,004 | 995 | 985 | 973 | 964 |
| 1935 | 962 | 970 | 973 | 989 | 1,004 | 1,022 | 1,060 | 1,067 | 1,057 | 1,046 | 1,036 | 1,030 |
| 1936 | 1,023 | 1,017 | 1,012 | 1,034 | 1,032 | 1,041 | 1,048 | 1,046 | 1,039 | 1,021 | 1,002 | 997 |
| 1937 | 992 | 988 | 983 | 977 | 979 | 1,005 | 1,034 | 1,042 | 1,037 | 1,020 | 1,001 | 995 |
| 1938 | 992 | 1,013 | 1,020 | 1,034 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,023 | 1,038 | 1,033 | 1,026 | 1,009 | 993 | 976 | 972 |
| 1940 | 968 | 964 | 972 | 1,012 | 1,017 | 1,025 | 1,059 | 1,064 | 1,049 | 1,033 | 1,014 | 1,009 |
| 1941 | 1,007 | 1,007 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,060 | 1,048 | 1,033 | 1,028 |
| 1944 | 1,023 | 1,017 | 1,015 | 1,013 | 1,022 | 1,032 | 1,038 | 1,037 | 1,028 | 1,008 | 990 | 984 |
| 1945 | 984 | 991 | 1,003 | 1,010 | 1,042 | 1,053 | 1,064 | 1,067 | 1,060 | 1,044 | 1,027 | 1,023 |
| 1946 | 1,021 | 1,017 | 1,018 | 1,033 | 1,039 | 1,050 | 1,062 | 1,064 | 1,054 | 1,041 | 1,027 | 1,024 |
| 1947 | 1,021 | 1,017 | 1,014 | 1,014 | 1,020 | 1,039 | 1,045 | 1,036 | 1,030 | 1,011 | 994 | 990 |
| 1948 | 992 | 991 | 990 | 1,011 | 1,013 | 1,026 | 1,061 | 1,067 | 1,067 | 1,055 | 1,040 | 1,036 |
| 1949 | 1,023 | 1,017 | 1,016 | 1,011 | 1,015 | 1,050 | 1,060 | 1,064 | 1,054 | 1,039 | 1,023 | 1,020 |
| 1950 | 1,016 | 1,012 | 1,008 | 1,016 | 1,029 | 1,043 | 1,056 | 1,055 | 1,043 | 1,027 | 1,010 | 1,008 |
| 1951 | 1,018 | 1,017 | 1,020 | 1,033 | 1,040 | 1,055 | 1,062 | 1,067 | 1,052 | 1,035 | 1,017 | 1,015 |
| 1952 | 1,013 | 1,017 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,050 | 1,065 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,067 | 1,058 | 1,047 | 1,037 | 1,036 |
| 1955 | 1,023 | 1,017 | 1,022 | 1,024 | 1,026 | 1,027 | 1,040 | 1,048 | 1,038 | 1,020 | 1,003 | 1,003 |
| 1956 | 1,000 | 1,001 | 1,017 | 1,017 | 1,019 | 1,046 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1957 | 1,023 | 1,017 | 1,016 | 1,017 | 1,035 | 1,052 | 1,060 | 1,067 | 1,059 | 1,047 | 1,034 | 1,036 |
| 1958 | 1,023 | 1,017 | 1,021 | 1,029 | 1,046 | 1,024 | 1,053 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1959 | 1,023 | 1,017 | 1,017 | 1,034 | 1,039 | 1,052 | 1,056 | 1,055 | 1,045 | 1,029 | 1,016 | 1,020 |
| 1960 | 1,018 | 1,017 | 1,015 | 1,019 | 1,044 | 1,057 | 1,064 | 1,067 | 1,056 | 1,042 | 1,027 | 1,026 |
| 1961 | 1,023 | 1,017 | 1,021 | 1,026 | 1,044 | 1,057 | 1,064 | 1,067 | 1,056 | 1,040 | 1,023 | 1,024 |
| 1962 | 1,020 | 1,017 | 1,022 | 1,022 | 1,035 | 1,051 | 1,063 | 1,065 | 1,051 | 1,035 | 1,019 | 1,017 |
| 1963 | 1,023 | 1,017 | 1,021 | 1,025 | 1,045 | 1,055 | 1,052 | 1,067 | 1,064 | 1,053 | 1,041 | 1,036 |
| 1964 | 1,023 | 1,017 | 1,018 | 1,032 | 1,036 | 1,040 | 1,035 | 1,030 | 1,017 | 999 | 982 | 981 |
| 1965 | 980 | 986 | 1,017 | 1,022 | 1,039 | 1,049 | 1,065 | 1,067 | 1,060 | 1,049 | 1,040 | 1,036 |
| 1966 | 1,023 | 1,017 | 1,021 | 1,037 | 1,049 | 1,055 | 1,065 | 1,065 | 1,056 | 1,045 | 1,034 | 1,034 |
| 1967 | 1,023 | 1,017 | 1,021 | 1,030 | 1,044 | 1,048 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1968 | 1,023 | 1,017 | 1,019 | 1,025 | 1,034 | 1,054 | 1,057 | 1,059 | 1,046 | 1,035 | 1,029 | 1,030 |
| 1969 | 1,023 | 1,017 | 1,021 | 1,022 | 1,027 | 1,048 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1970 | 1,023 | 1,017 | 1,020 | 1,017 | 1,025 | 1,051 | 1,055 | 1,055 | 1,044 | 1,033 | 1,020 | 1,018 |
| 1971 | 1,018 | 1,017 | 1,020 | 1,028 | 1,041 | 1,043 | 1,065 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1972 | 1,023 | 1,017 | 1,021 | 1,033 | 1,044 | 1,056 | 1,059 | 1,061 | 1,051 | 1,038 | 1,028 | 1,031 |
| 1973 | 1,023 | 1,017 | 1,021 | 1,030 | 1,034 | 1,053 | 1,065 | 1,067 | 1,058 | 1,047 | 1,037 | 1,035 |
| 1974 | 1,023 | 1,017 | 1,018 | 1,017 | 1,036 | 1,025 | 1,058 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1975 | 1,023 | 1,017 | 1,021 | 1,023 | 1,045 | 1,039 | 1,061 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1976 | 1,023 | 1,017 | 1,018 | 1,017 | 1,012 | 1,018 | 1,026 | 1,025 | 1,006 | 992 | 989 | 990 |
| 1977 | 991 | 991 | 991 | 989 | 986 | 985 | 974 | 968 | 957 | 945 | 934 | 936 |
| 1978 | 934 | 936 | 963 | 1,020 | 1,031 | 1,047 | 1,067 | 1,067 | 1,064 | 1,057 | 1,047 | 1,036 |
| 1979 | 1,023 | 1,017 | 1,015 | 1,017 | 1,028 | 1,045 | 1,052 | 1,061 | 1,052 | 1,039 | 1,028 | 1,028 |
| 1980 | 1,023 | 1,017 | 1,020 | 1,029 | 1,019 | 1,046 | 1,059 | 1,063 | 1,057 | 1,046 | 1,036 | 1,036 |
| 1981 | 1,023 | 1,017 | 1,020 | 1,029 | 1,042 | 1,056 | 1,064 | 1,062 | 1,050 | 1,035 | 1,022 | 1,021 |
| 1982 | 1,019 | 1,017 | 1,018 | 1,033 | 1,029 | 1,046 | 1,051 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1983 | 1,023 | 1,017 | 1,020 | 1,022 | 1,011 | 1,045 | 1,050 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1984 | 1,023 | 1,017 | 1,018 | 1,034 | 1,047 | 1,056 | 1,067 | 1,067 | 1,059 | 1,049 | 1,043 | 1,036 |
| 1985 | 1,023 | 1,017 | 1,022 | 1,023 | 1,027 | 1,033 | 1,041 | 1,035 | 1,019 | 1,003 | 990 | 991 |
| 1986 | 992 | 993 | 1,000 | 1,022 | 1,017 | 1,029 | 1,045 | 1,048 | 1,036 | 1,019 | 1,004 | 1,007 |
| 1987 | 1,007 | 1,006 | 1,005 | 1,006 | 1,016 | 1,042 | 1,046 | 1,042 | 1,020 | 1,002 | 988 | 987 |
| 1988 | 986 | 987 | 1,008 | 1,026 | 1,030 | 1,035 | 1,040 | 1,041 | 1,029 | 1,012 | 1,000 | 997 |
| 1989 | 994 | 1,000 | 1,001 | 1,002 | 1,003 | 1,042 | 1,057 | 1,049 | 1,039 | 1,025 | 1,015 | 1,015 |
| 1990 | 1,017 | 1,015 | 1,011 | 1,017 | 1,017 | 1,024 | 1,019 | 1,026 | 1,021 | 1,003 | 990 | 987 |
| 1991 | 985 | 984 | 980 | 978 | 977 | 996 | 1,002 | 1,002 | 994 | 984 | 969 | 963 |
| 1992 | 960 | 958 | 958 | 962 | 996 | 1,017 | 1,030 | 1,024 | 1,010 | 998 | 986 | 982 |
| 1993 | 981 | 980 | 990 | 1,016 | 1,044 | 1,031 | 1,057 | 1,067 | 1,067 | 1,057 | 1,049 | 1,049 |
| 1994 | 1,043 | 1,017 | 1,019 | 1,020 | 1,026 | 1,027 | 1,028 | 1,027 | 1,007 | 990 | 978 | 975 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 30 | 8 | 0 | 5 | 19 | 36 | 42 |
| 45 | 33 | 37 | 51 | 66 | 83 | 85 |
| 80 | 90 | 104 | 118 | 134 | 152 | 162 |
| 56 | 25 | 15 | 19 | 30 | 43 | 43 |
| 28 | 17 | 20 | 36 | 55 | 71 | 77 |
| 15 | 0 | 0 | 6 | 20 | 35 | 40 |
| 21 | 1 | 3 | 21 | 38 | 57 | 63 |
| 64 | 59 | 62 | 72 | 87 | 105 | 112 |
| 36 | 26 | 27 | 38 | 53 | 64 | 63 |
| 76 | 83 | 92 | 100 | 112 | 123 | 137 |
| 79 | 77 | 70 | 77 | 89 | 103 | 109 |
| 76 | 74 | 72 | 75 | 87 | 103 | 111 |
| 60 | 57 | 63 | 72 | 82 | 94 | 103 |
| 45 | 7 | 0 | 10 | 21 | 31 | 37 |
| 62 | 39 | 21 | 28 | 46 | 65 | 70 |
| 26 | 13 | 25 | 30 | 47 | 66 | 72 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 29 | 34 | 41 | 58 | 74 | 91 | 95 |
| 42 | 8 | 3 | 18 | 34 | 53 | 58 |
| 22 | 3 | 0 | 0 | 9 | 20 | 31 |
| 25 | 0 | 0 | 0 | 9 | 21 | 31 |
| 16 | 0 | 0 | 7 | 19 | 34 | 39 |
| 35 | 29 | 30 | 39 | 59 | 77 | 83 |
| 14 | 3 | 0 | 7 | 23 | 40 | 44 |
| 17 | 5 | 3 | 13 | 26 | 40 | 43 |
| 28 | 22 | 31 | 37 | 56 | 73 | 77 |
| 41 | 6 | 0 | 0 | 12 | 27 | 31 |
| 17 | 7 | 3 | 13 | 28 | 44 | 47 |
| 24 | 11 | 12 | 24 | 40 | 57 | 59 |
| 12 | 5 | 0 | 15 | 32 | 50 | 52 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 17 | 2 | 0 | 0 | 9 | 21 | 31 |
| 16 | 0 | 0 | 9 | 20 | 30 | 31 |
| 40 | 27 | 19 | 29 | 47 | 64 | 64 |
| 21 | 3 | 0 | 0 | 9 | 20 | 31 |
| 15 | 7 | 0 | 8 | 20 | 33 | 31 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 15 | 11 | 1 | | | | |

STUDY: 1995C06H-SWRCB-513 DWRSIM: recirc818-h, 05 Sep 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06H-SWRCB-513/6/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 900'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|------|
| 1922 | 834 | 834 | 837 | 846 | 850 | 858 | 893 | 900 | 900 | 891 | 888 | 887 | 42 | 7 | 0 | 0 | 9 | 12 | 13 | 1 | 4 | 6 | 6 | 4 | 3 | 3 | 27 | 8 | 35 | 7 | 0 | -9 | -3 | -1 | 6 | 6 | 6 | 6 | 4 | 5 | 5 | 38 | 1026 |
| 1923 | 874 | 874 | 858 | 862 | 862 | 874 | 895 | 900 | 894 | 856 | 833 | 835 | 26 | 5 | 0 | 6 | 4 | 67 | 65 | 1 | 4 | 6 | 4 | 1 | 1 | 1 | 18 | 12 | 21 | 5 | -6 | -38 | -23 | 2 | 6 | 6 | 6 | 4 | 1 | 1 | 6 | 30 | 540 |
| 1924 | 830 | 822 | 800 | 805 | 822 | 811 | 807 | 788 | 739 | 706 | 687 | 681 | 89 | 93 | 112 | 161 | 194 | 213 | 219 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -11 | -4 | -19 | -49 | -33 | -19 | -6 | 3 | 5 | 2 | 1 | 1 | 2 | 4 | 18 | 126 |
| 1925 | 682 | 686 | 693 | 709 | 779 | 787 | 816 | 824 | 816 | 790 | 771 | 778 | 113 | 84 | 76 | 84 | 110 | 121 | 122 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 29 | 8 | -8 | -26 | -11 | -1 | 6 | 6 | 6 | 4 | 1 | 3 | 5 | 31 | 217 |
| 1926 | 774 | 776 | 781 | 794 | 837 | 856 | 887 | 879 | 868 | 828 | 791 | 786 | 44 | 13 | 21 | 32 | 72 | 109 | 114 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 9 | 19 | 31 | -8 | -11 | -40 | -37 | -5 | 6 | 6 | 4 | 3 | 1 | 1 | 5 | 26 | 234 |
| 1927 | 772 | 803 | 806 | 831 | 849 | 863 | 890 | 900 | 900 | 871 | 867 | 864 | 37 | 10 | 0 | 0 | 29 | 33 | 36 | 1 | 3 | 6 | 6 | 1 | 1 | 1 | 19 | 14 | 27 | 10 | 0 | -29 | -4 | -3 | 6 | 6 | 6 | 6 | 1 | 5 | 5 | 35 | 665 |
| 1928 | 861 | 861 | 864 | 868 | 871 | 849 | 878 | 866 | 859 | 817 | 782 | 776 | 51 | 22 | 34 | 41 | 83 | 118 | 124 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -22 | 29 | -12 | -7 | -42 | -35 | -6 | 1 | 6 | 3 | 4 | 1 | 1 | 4 | 20 | 140 |
| 1929 | 767 | 763 | 761 | 766 | 777 | 791 | 793 | 795 | 780 | 745 | 730 | 723 | 109 | 107 | 105 | 120 | 155 | 170 | 177 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 2 | 2 | -15 | -35 | -15 | -7 | 6 | 6 | 6 | 3 | 1 | 3 | 4 | 29 | 200 |
| 1930 | 716 | 705 | 768 | 796 | 824 | 856 | 878 | 886 | 874 | 836 | 811 | 808 | 44 | 22 | 14 | 26 | 64 | 89 | 92 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 | 32 | 22 | 8 | -12 | -38 | -25 | -3 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 252 |
| 1931 | 791 | 783 | 758 | 772 | 784 | 805 | 795 | 784 | 749 | 711 | 692 | 686 | 95 | 105 | 116 | 151 | 189 | 208 | 214 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 21 | -10 | -11 | -35 | -38 | -19 | -6 | 6 | 4 | 3 | 1 | 1 | 2 | 4 | 21 | 147 |
| 1932 | 676 | 664 | 675 | 699 | 721 | 758 | 769 | 802 | 790 | 772 | 763 | 759 | 142 | 131 | 98 | 110 | 128 | 137 | 141 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 37 | 11 | 33 | -12 | -18 | -9 | -4 | 6 | 6 | 6 | 3 | 2 | 4 | 5 | 32 | 224 |
| 1933 | 753 | 741 | 741 | 752 | 761 | 768 | 771 | 787 | 778 | 760 | 753 | 747 | 132 | 129 | 113 | 122 | 140 | 147 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 16 | -9 | -18 | -7 | -6 | 6 | 6 | 6 | 4 | 2 | 4 | 4 | 32 | 224 |
| 1934 | 745 | 741 | 748 | 771 | 795 | 811 | 794 | 792 | 772 | 749 | 739 | 726 | 89 | 106 | 108 | 128 | 151 | 161 | 174 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | -17 | -2 | -20 | -23 | -10 | -13 | 6 | 2 | 5 | 2 | 1 | 4 | 3 | 23 | 161 |
| 1935 | 715 | 719 | 726 | 753 | 773 | 801 | 877 | 880 | 880 | 848 | 831 | 827 | 99 | 23 | 20 | 20 | 52 | 69 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 28 | 76 | 3 | 0 | -32 | -17 | -4 | 6 | 6 | 6 | 6 | 1 | 2 | 5 | 32 | 224 |
| 1936 | 822 | 819 | 812 | 849 | 849 | 860 | 886 | 878 | 878 | 846 | 832 | 828 | 40 | 14 | 22 | 22 | 54 | 68 | 72 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 9 | 11 | 26 | -8 | 0 | -32 | -14 | -4 | 6 | 6 | 4 | 6 | 1 | 3 | 5 | 31 | 279 |
| 1937 | 822 | 812 | 808 | 811 | 825 | 849 | 874 | 896 | 892 | 866 | 853 | 849 | 51 | 26 | 4 | 8 | 34 | 47 | 51 | 1 | 1 | 5 | 4 | 1 | 1 | 1 | 14 | 24 | 25 | -22 | -4 | -26 | -13 | -4 | 6 | 6 | 6 | 5 | 1 | 3 | 5 | 32 | 448 |
| 1938 | 846 | 854 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 | 51 | 18 | 0 | 0 | 1 | 4 | 13 | 1 | 2 | 6 | 6 | 5 | 5 | 3 | 28 | 0 | 33 | 18 | 0 | -1 | -3 | -9 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 38 | 1064 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 823 | 823 | 793 | 733 | 694 | 690 | 67 | 77 | 77 | 107 | 167 | 206 | 210 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | -10 | 0 | -30 | -60 | -39 | -4 | 5 | 4 | 6 | 1 | 1 | 1 | 5 | 23 | 161 |
| 1940 | 682 | 669 | 670 | 731 | 830 | 849 | 879 | 888 | 885 | 856 | 850 | 843 | 51 | 21 | 12 | 15 | 44 | 50 | 57 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 10 | 19 | 30 | 9 | -3 | -29 | -6 | -7 | 6 | 6 | 6 | 5 | 1 | 4 | 4 | 32 | 320 |
| 1941 | 837 | 835 | 849 | 849 | 849 | 858 | 886 | 900 | 900 | 897 | 892 | 887 | 42 | 14 | 0 | 0 | 3 | 8 | 13 | 1 | 3 | 6 | 6 | 5 | 4 | 3 | 28 | 9 | 28 | 14 | 0 | -3 | -5 | -5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 39 | 1092 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 897 | 894 | 887 | 33 | 18 | 0 | 0 | 3 | 8 | 13 | 1 | 2 | 6 | 6 | 5 | 4 | 3 | 27 | 17 | 15 | 18 | 0 | -3 | -3 | -7 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 38 | 1026 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 897 | 897 | 900 | 875 | 865 | 865 | 41 | 13 | 3 | 0 | 25 | 35 | 35 | 1 | 3 | 5 | 6 | 1 | 1 | 1 | 18 | 3 | 28 | 10 | -3 | -25 | -10 | 0 | 6 | 6 | 6 | 6 | 1 | 4 | 6 | 35 | 630 |
| 1944 | 866 | 869 | 868 | 870 | 857 | 868 | 879 | 895 | 890 | 841 | 822 | 818 | 32 | 21 | 5 | 20 | 59 | 78 | 82 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 10 | 11 | 11 | 15 | -15 | -39 | -19 | -4 | 6 | 6 | 6 | 3 | 1 | 2 | 5 | 29 | 290 |
| 1945 | 809 | 816 | 828 | 838 | 862 | 865 | 880 | 896 | 888 | 850 | 836 | 833 | 35 | 20 | 4 | 12 | 50 | 64 | 67 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 13 | 3 | 15 | 16 | -8 | -38 | -14 | -3 | 6 | 6 | 6 | 4 | 1 | 3 | 5 | 31 | 403 |
| 1946 | 833 | 838 | 849 | 864 | 868 | 868 | 887 | 900 | 886 | 849 | 823 | 821 | 32 | 13 | 0 | 14 | 51 | 77 | 79 | 1 | 3 | 6 | 3 | 1 | 1 | 1 | 16 | 0 | 19 | 13 | -14 | -37 | -26 | -2 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 448 |
| 1947 | 814 | 820 | 825 | 829 | 848 | 862 | 872 | 868 | 853 | 810 | 758 | 739 | 38 | 28 | 32 | 47 | 90 | 141 | 161 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 10 | -4 | -15 | -43 | -51 | -20 | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 24 | 168 |
| 1948 | 742 | 744 | 740 | 773 | 777 | 797 | 852 | 881 | 887 | 852 | 825 | 821 | 103 | 48 | 19 | 17 | 48 | 75 | 79 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 10 | 20 | 55 | 29 | 6 | -35 | -27 | -4 | 6 | 6 | 6 | 6 | 1 | 1 | 5 | 31 | 310 |
| 1949 | 814 | 810 | 810 | 815 | 822 | 841 | 848 | 860 | 846 | 800 | 770 | 765 | 59 | 52 | 40 | 54 | 100 | 130 | 135 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 19 | 7 | 12 | -14 | -46 | -30 | -5 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 196 |
| 1950 | 759 | 759 | 760 | 788 | 830 | 859 | 889 | 900 | 900 | 863 | 833 | 833 | 41 | 11 | 0 | 0 | 37 | 67 | 67 | 1 | 3 | 6 | 6 | 1 | 1 | 1 | 19 | 29 | 30 | 11 | 0 | -37 | -30 | 0 | 6 | 6 | 6 | 6 | 1 | 1 | 6 | 32 | 608 |
| 1951 | 837 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 898 | 859 | 833 | 833 | 30 | 14 | 0 | 2 | 41 | 67 | 67 | 1 | 3 | 6 | 5 | 1 | 1 | 1 | 18 | 12 | 16 | 14 | -2 | -39 | -26 | 0 | 6 | 6 | 6 | 5 | 1 | 1 | 6 | 31 | 558 |
| 1952 | 837 | 840 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 887 | 887 | 38 | 6 | 0 | 0 | 0 | 1 | 13 | 1 | 4 | 6 | 6 | 6 | 5 | 3 | 31 | 10 | 32 | 6 | 0 | 0 | -1 | -12 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 38 | 1178 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 886 | 884 | 885 | 33 | 17 | 0 | 0 | 14 | 16 | 15 | 1 | 2 | 6 | 6 | 3 | 2 | 2 | 22 | 0 | 16 | 17 | 0 | -14 | -2 | 1 | 6 | 6 | 6 | 6 | 3 | 5 | 6 | 38 | 836 |
| 1954 | 874 | 871 | 874 | 858 | 857 | 859 | 883 | 868 | 863 | 823 | 783 | 783 | 41 | 17 | 32 | 37 | 77 | 117 | 117 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 2 | 24 | -15 | -5 | -40 | -40 | 0 | 6 | 6 | 6 | 5 | 1 | 1 | 6 | 28 | 224 |
| 1955 | 784 | 786 | 794 | 807 | 816 | 825 | 832 | 842 | 827 | 773 | 751 | 747 | 75 | 68 | 58 | 73 | 127 | 149 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 7 | 10 | -15 | -54 | -22 | -4 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 196 |
| 1956 | 739 | 735 | 849 | 849 | 849 | 864 | 892 | 900 | 900 | 891 | 888 | 887 | 36 | 8 | 0 | 0 | 9 | 12 | 13 | 1 | 4 | 6 | 6 | 4 | 3 | 3 | 27 | 15 | 28 | 8 | 0 | -9 | -3 | -1 | 6 | 6 | 6 | 6 | 4 | 5 | 5 | 38 | 1026 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 867 | 885 | 885 | 847 | 821 | 825 | 37 | 33 | 15 | 15 | 53 | 79 | 75 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 9 | 10 | 4 | 18 | 0 | -38 | -26 | 4 | 6 | 6 | 6 | 6 | 1 | 1 | 6 | 32 | 988 |
| 1958 | 826 | 829 | 843 | 854 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 | 51 | 21 | 0 | 0 | 2 | 6 | 13 | 1 | 1 | 6 | 6 | 5 | 4 | 3 | 26 | 0 | | | | | | | | | | | | | | | |

STUDY: 1995C06H-SWRCB-513 DWRSIM: recirc818-h, 05 Sep 97
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06H-SWRCB-513/8/ELEVATION-EOP/1/MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index =

73 - year maximum March - September Reservoir Elevation = 466'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 424 | 424 | 449 | 466 | 451 | 448 | 443 | 434 |
| 1924 | 425 | 416 | 407 | 395 | 388 | 373 | 382 | 385 | 388 | 388 | 389 | 392 |
| 1925 | 395 | 395 | 398 | 399 | 424 | 420 | 449 | 466 | 456 | 449 | 444 | 434 |
| 1926 | 425 | 419 | 414 | 405 | 419 | 420 | 449 | 449 | 433 | 415 | 406 | 408 |
| 1927 | 403 | 418 | 424 | 424 | 424 | 437 | 449 | 466 | 464 | 460 | 449 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 456 | 440 | 427 | 421 | 423 |
| 1929 | 417 | 408 | 401 | 388 | 386 | 384 | 401 | 410 | 396 | 369 | 376 | 386 |
| 1930 | 392 | 394 | 415 | 424 | 424 | 437 | 443 | 442 | 429 | 412 | 405 | 406 |
| 1931 | 397 | 394 | 387 | 381 | 374 | 378 | 385 | 392 | 390 | 389 | 390 | 393 |
| 1932 | 388 | 385 | 402 | 413 | 424 | 434 | 443 | 459 | 457 | 448 | 443 | 434 |
| 1933 | 424 | 416 | 409 | 398 | 385 | 388 | 392 | 408 | 410 | 399 | 398 | 405 |
| 1934 | 401 | 396 | 404 | 412 | 419 | 428 | 435 | 433 | 412 | 387 | 370 | 375 |
| 1935 | 375 | 389 | 401 | 419 | 424 | 427 | 449 | 466 | 458 | 452 | 448 | 434 |
| 1936 | 426 | 420 | 415 | 424 | 424 | 437 | 449 | 461 | 456 | 454 | 449 | 434 |
| 1937 | 425 | 417 | 411 | 404 | 424 | 437 | 449 | 466 | 452 | 446 | 441 | 434 |
| 1938 | 426 | 423 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 417 | 418 | 406 | 390 | 385 | 392 |
| 1940 | 397 | 396 | 392 | 424 | 424 | 437 | 449 | 464 | 449 | 443 | 438 | 434 |
| 1941 | 425 | 420 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 448 | 466 | 466 | 463 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 452 | 450 | 446 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 426 | 416 | 416 | 419 |
| 1945 | 414 | 418 | 421 | 421 | 424 | 437 | 449 | 466 | 454 | 449 | 444 | 434 |
| 1946 | 427 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 451 | 445 | 440 | 434 |
| 1947 | 425 | 424 | 423 | 414 | 417 | 433 | 442 | 445 | 431 | 414 | 411 | 413 |
| 1948 | 412 | 409 | 405 | 413 | 410 | 411 | 445 | 466 | 463 | 459 | 449 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 441 | 460 | 449 | 438 | 432 | 431 |
| 1950 | 422 | 415 | 408 | 424 | 424 | 437 | 449 | 466 | 455 | 452 | 447 | 434 |
| 1951 | 429 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 451 | 442 | 437 | 434 |
| 1952 | 427 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 449 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 455 | 440 | 429 | 424 | 427 |
| 1955 | 422 | 415 | 419 | 424 | 424 | 416 | 420 | 437 | 431 | 418 | 416 | 419 |
| 1956 | 413 | 406 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 436 | 461 | 449 | 443 | 438 | 434 |
| 1958 | 426 | 421 | 422 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 428 | 435 | 435 | 421 | 404 | 392 | 401 |
| 1960 | 398 | 391 | 384 | 385 | 420 | 437 | 449 | 447 | 436 | 419 | 414 | 415 |
| 1961 | 408 | 403 | 397 | 386 | 387 | 392 | 404 | 416 | 408 | 396 | 391 | 397 |
| 1962 | 392 | 383 | 380 | 372 | 421 | 430 | 449 | 457 | 443 | 433 | 426 | 427 |
| 1963 | 441 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 460 | 455 | 449 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 421 | 419 | 430 | 436 | 422 | 407 | 405 | 403 |
| 1965 | 402 | 404 | 393 | 392 | 395 | 414 | 449 | 465 | 458 | 457 | 449 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 446 | 447 | 433 | 417 | 412 | 413 |
| 1967 | 407 | 409 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 441 | 442 | 424 | 409 | 406 | 408 |
| 1969 | 403 | 407 | 416 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 432 | 441 | 431 | 425 | 421 | 424 |
| 1971 | 418 | 424 | 424 | 424 | 424 | 437 | 449 | 463 | 463 | 461 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 437 | 444 | 433 | 418 | 416 | 418 |
| 1973 | 414 | 415 | 424 | 424 | 424 | 437 | 449 | 466 | 450 | 442 | 436 | 434 |
| 1974 | 427 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 394 | 399 | 405 | 387 | 368 | 372 | 376 |
| 1977 | 381 | 383 | 381 | 379 | 357 | 358 | 358 | 363 | 363 | 355 | 346 | 339 |
| 1978 | 334 | 334 | 372 | 424 | 424 | 437 | 449 | 466 | 460 | 457 | 449 | 434 |
| 1979 | 423 | 417 | 411 | 418 | 424 | 437 | 447 | 466 | 455 | 445 | 439 | 434 |
| 1980 | 427 | 424 | 424 | 405 | 399 | 430 | 449 | 464 | 456 | 455 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 419 | 402 | 397 | 403 |
| 1982 | 403 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 444 | 464 | 452 | 447 | 442 | 434 |
| 1985 | 427 | 424 | 424 | 420 | 422 | 428 | 443 | 447 | 433 | 415 | 411 | 415 |
| 1986 | 409 | 410 | 419 | 424 | 396 | 424 | 449 | 464 | 457 | 452 | 448 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 419 | 423 | 403 | 382 | 363 | 369 |
| 1988 | 364 | 362 | 386 | 407 | 411 | 412 | 415 | 410 | 389 | 362 | 330 | 399 |
| 1989 | 391 | 391 | 391 | 389 | 393 | 437 | 448 | 447 | 437 | 424 | 418 | 422 |
| 1990 | 419 | 414 | 407 | 405 | 403 | 414 | 423 | 424 | 407 | 388 | 386 | 394 |
| 1991 | 394 | 388 | 381 | 371 | 361 | 394 | 415 | 433 | 434 | 429 | 420 | 419 |
| 1992 | 413 | 403 | 391 | 375 | 394 | 408 | 418 | 418 | 406 | 389 | 380 | 378 |
| 1993 | 377 | 377 | 394 | 424 | 427 | 434 | 449 | 466 | 466 | 460 | 449 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 388 | 397 | 402 | 389 | 375 | 376 | 374 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 17 | 32 |
| 42 | 17 | 0 | 15 | 18 | 23 | 32 |
| 93 | 84 | 81 | 78 | 78 | 77 | 74 |
| 46 | 17 | 0 | 10 | 17 | 22 | 32 |
| 46 | 17 | 17 | 33 | 51 | 60 | 58 |
| 29 | 17 | 0 | 2 | 6 | 17 | 32 |
| 437 | 449 | 466 | 464 | 460 | 449 | 434 |
| 82 | 65 | 56 | 70 | 97 | 90 | 80 |
| 29 | 23 | 24 | 37 | 54 | 61 | 60 |
| 88 | 81 | 74 | 76 | 77 | 76 | 73 |
| 32 | 23 | 7 | 9 | 18 | 23 | 32 |
| 78 | 74 | 58 | 56 | 67 | 68 | 61 |
| 38 | 31 | 33 | 54 | 79 | 96 | 91 |
| 39 | 17 | 0 | 8 | 14 | 18 | 32 |
| 29 | 17 | 5 | 10 | 12 | 17 | 32 |
| 437 | 449 | 466 | 452 | 446 | 441 | 434 |
| 29 | 17 | 0 | 14 | 20 | 25 | 32 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 409 | 417 | 418 | 406 | 390 | 385 | 392 |
| 29 | 17 | 2 | 17 | 23 | 28 | 32 |
| 29 | 17 | 0 | 8 | 11 | 17 | 32 |
| 36 | 17 | 0 | 0 | 3 | 17 | 32 |
| 32 | 17 | 7 | 14 | 16 | 20 | 32 |
| 47 | 46 | 33 | 40 | 50 | 50 | 47 |
| 29 | 17 | 0 | 12 | 17 | 22 | 32 |
| 29 | 17 | 0 | 15 | 21 | 26 | 32 |
| 33 | 24 | 21 | 35 | 52 | 55 | 53 |
| 55 | 21 | 0 | 3 | 7 | 17 | 32 |
| 44 | 25 | 6 | 17 | 28 | 34 | 35 |
| 29 | 17 | 0 | 11 | 14 | 19 | 32 |
| 40 | 17 | 0 | 15 | 24 | 29 | 32 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 36 | 20 | 8 | 2 | 3 | 17 | 32 |
| 29 | 17 | 11 | 26 | 37 | 42 | 39 |
| 50 | 46 | 29 | 35 | 48 | 50 | 47 |
| 41 | 25 | 0 | 0 | 3 | 17 | 32 |
| 29 | 30 | 5 | 17 | 23 | 28 | 32 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 38 | 31 | 31 | 45 | 62 | 74 | 65 |
| 29 | 17 | 19 | 30 | 47 | 52 | 51 |
| 74 | 62 | 50 | 58 | 70 | 75 | 69 |
| 36 | 17 | 9 | 23 | 33 | 40 | 39 |
| 36 | 17 | 0 | 6 | 11 | 17 | 32 |
| 47 | 36 | 30 | 44 | 59 | 61 | 63 |
| 52 | 17 | 1 | 8 | 9 | 17 | 32 |
| 36 | 20 | 19 | 33 | 49 | 54 | 53 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 29 | 25 | 24 | 42 | 57 | 60 | 58 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 40 | 34 | 25 | 35 | 41 | 45 | 42 |
| 29 | 17 | 3 | 3 | 5 | 17 | 32 |
| 29 | 29 | 22 | 33 | 48 | 50 | 48 |
| 29 | 17 | 0 | 16 | 24 | 30 | 32 |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 |
| 29 | 25 | 0 | 0 | 3 | 17 | 32 |
| 72 | 67 | 61 | 79 | 98 | 94 | 90 |
| 108 | 108 | 103 | 103 | 111 | 120 | 127 |
| 29 | 17 | 0 | 6 | 9 | 17 | 32 |
| 29 | 19 | 0 | 11 | 21 | 27 | 32 |
| 36 | 17 | 2 | 10 | 11 | 17 | 32 |
| 44 | 33 | 31 | 47 | 64 | 69 | 63 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | | | |

STUDY: 1995C06H-SWRCB-513 DWRSIM: recirc818-h, 05 Sep 97
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06H-SWRCB-513/10/ELEVATION-EOP/1/MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 943 | 949 | 954 | 968 | 978 | 977 | 1005 | 1026 | 1019 | 1009 | 1001 |
| 1923 | 1000 | 1003 | 1011 | 1019 | 1025 | 1029 | 1032 | 1047 | 1047 | 1039 | 1028 | 1021 |
| 1924 | 1020 | 1022 | 1025 | 1028 | 1031 | 1031 | 1025 | 1019 | 1011 | 1005 | 998 | 994 |
| 1925 | 994 | 996 | 999 | 1001 | 1015 | 1024 | 1025 | 1038 | 1039 | 1032 | 1020 | 1013 |
| 1926 | 1013 | 1014 | 1016 | 1018 | 1025 | 1030 | 1032 | 1030 | 1022 | 1012 | 1004 | 997 |
| 1927 | 998 | 1000 | 1007 | 1013 | 1027 | 1035 | 1041 | 1053 | 1058 | 1049 | 1039 | 1032 |
| 1928 | 1032 | 1036 | 1040 | 1043 | 1049 | 1055 | 1056 | 1063 | 1056 | 1044 | 1033 | 1025 |
| 1929 | 1025 | 1026 | 1029 | 1031 | 1034 | 1035 | 1031 | 1030 | 1024 | 1016 | 1009 | 1003 |
| 1930 | 1004 | 1005 | 1007 | 1010 | 1015 | 1021 | 1021 | 1018 | 1017 | 1009 | 1000 | 994 |
| 1931 | 994 | 997 | 999 | 1001 | 1003 | 1005 | 1001 | 995 | 987 | 979 | 970 | 964 |
| 1932 | 963 | 965 | 972 | 978 | 992 | 998 | 998 | 1015 | 1028 | 1024 | 1016 | 1010 |
| 1933 | 1010 | 1012 | 1015 | 1017 | 1019 | 1021 | 1017 | 1015 | 1015 | 1007 | 998 | 992 |
| 1934 | 992 | 994 | 997 | 1001 | 1005 | 1010 | 1006 | 999 | 992 | 982 | 972 | 965 |
| 1935 | 964 | 965 | 968 | 973 | 978 | 984 | 995 | 1016 | 1026 | 1019 | 1011 | 1005 |
| 1936 | 1005 | 1007 | 1009 | 1018 | 1036 | 1044 | 1048 | 1059 | 1062 | 1054 | 1043 | 1036 |
| 1937 | 1035 | 1036 | 1039 | 1042 | 1050 | 1055 | 1050 | 1063 | 1063 | 1054 | 1044 | 1036 |
| 1938 | 1035 | 1036 | 1045 | 1050 | 1050 | 1055 | 1063 | 1088 | 1088 | 1084 | 1076 | 1070 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1042 | 1032 | 1021 | 1011 | 1004 |
| 1940 | 1003 | 1004 | 1006 | 1017 | 1032 | 1048 | 1051 | 1064 | 1063 | 1054 | 1044 | 1036 |
| 1941 | 1035 | 1036 | 1041 | 1047 | 1050 | 1055 | 1052 | 1066 | 1072 | 1066 | 1057 | 1050 |
| 1942 | 1049 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1068 | 1082 | 1078 | 1069 | 1064 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1071 | 1064 | 1055 | 1048 |
| 1944 | 1046 | 1048 | 1049 | 1050 | 1050 | 1053 | 1048 | 1049 | 1043 | 1032 | 1021 | 1012 |
| 1945 | 1012 | 1017 | 1021 | 1026 | 1040 | 1048 | 1044 | 1054 | 1060 | 1053 | 1043 | 1036 |
| 1946 | 1035 | 1039 | 1048 | 1050 | 1050 | 1054 | 1055 | 1064 | 1062 | 1053 | 1043 | 1036 |
| 1947 | 1035 | 1037 | 1040 | 1042 | 1046 | 1050 | 1046 | 1041 | 1031 | 1019 | 1009 | 1002 |
| 1948 | 1002 | 1003 | 1005 | 1007 | 1009 | 1012 | 1013 | 1019 | 1029 | 1023 | 1015 | 1009 |
| 1949 | 1010 | 1012 | 1014 | 1017 | 1019 | 1024 | 1024 | 1030 | 1028 | 1020 | 1012 | 1006 |
| 1950 | 1006 | 1006 | 1008 | 1014 | 1022 | 1028 | 1030 | 1043 | 1046 | 1036 | 1025 | 1018 |
| 1951 | 1017 | 1046 | 1050 | 1050 | 1050 | 1055 | 1058 | 1064 | 1059 | 1050 | 1039 | 1032 |
| 1952 | 1031 | 1034 | 1041 | 1050 | 1050 | 1055 | 1058 | 1087 | 1088 | 1086 | 1078 | 1072 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1053 | 1052 | 1057 | 1052 | 1041 | 1034 |
| 1954 | 1033 | 1035 | 1038 | 1041 | 1045 | 1052 | 1055 | 1064 | 1057 | 1048 | 1037 | 1029 |
| 1955 | 1028 | 1031 | 1034 | 1039 | 1042 | 1045 | 1040 | 1036 | 1032 | 1021 | 1010 | 1002 |
| 1956 | 1002 | 1004 | 1030 | 1050 | 1050 | 1055 | 1055 | 1069 | 1079 | 1074 | 1065 | 1060 |
| 1957 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1052 | 1056 | 1059 | 1049 | 1039 | 1031 |
| 1958 | 1028 | 1030 | 1032 | 1039 | 1048 | 1055 | 1062 | 1088 | 1088 | 1083 | 1074 | 1067 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1049 | 1040 | 1031 | 1020 | 1010 | 1003 |
| 1960 | 1002 | 1003 | 1005 | 1008 | 1013 | 1019 | 1017 | 1013 | 1007 | 999 | 991 | 981 |
| 1961 | 978 | 981 | 985 | 987 | 990 | 993 | 990 | 984 | 976 | 967 | 958 | 951 |
| 1962 | 951 | 953 | 956 | 958 | 969 | 975 | 977 | 986 | 992 | 984 | 974 | 965 |
| 1963 | 965 | 968 | 972 | 981 | 998 | 1003 | 1002 | 1024 | 1030 | 1021 | 1011 | 1004 |
| 1964 | 1004 | 1007 | 1011 | 1015 | 1019 | 1022 | 1019 | 1017 | 1013 | 1004 | 996 | 989 |
| 1965 | 988 | 992 | 1016 | 1037 | 1049 | 1055 | 1058 | 1067 | 1074 | 1069 | 1061 | 1055 |
| 1966 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1051 | 1053 | 1043 | 1031 | 1020 | 1011 |
| 1967 | 1011 | 1013 | 1022 | 1034 | 1042 | 1053 | 1054 | 1074 | 1088 | 1088 | 1080 | 1074 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1050 | 1047 | 1038 | 1027 | 1015 | 1007 |
| 1969 | 1007 | 1011 | 1013 | 1043 | 1050 | 1055 | 1066 | 1088 | 1088 | 1084 | 1075 | 1068 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1054 | 1060 | 1061 | 1051 | 1040 | 1033 |
| 1971 | 1032 | 1036 | 1044 | 1050 | 1050 | 1055 | 1052 | 1056 | 1060 | 1053 | 1043 | 1036 |
| 1972 | 1034 | 1037 | 1043 | 1048 | 1050 | 1055 | 1050 | 1053 | 1045 | 1034 | 1022 | 1015 |
| 1973 | 1015 | 1017 | 1022 | 1034 | 1049 | 1055 | 1051 | 1063 | 1063 | 1054 | 1043 | 1036 |
| 1974 | 1035 | 1040 | 1049 | 1050 | 1050 | 1055 | 1059 | 1073 | 1077 | 1069 | 1060 | 1053 |
| 1975 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1050 | 1056 | 1068 | 1061 | 1052 | 1045 |
| 1976 | 1044 | 1047 | 1050 | 1050 | 1050 | 1052 | 1047 | 1041 | 1033 | 1025 | 1018 | 1012 |
| 1977 | 1012 | 1014 | 1015 | 1015 | 1016 | 1016 | 1011 | 1006 | 1001 | 994 | 986 | 980 |
| 1978 | 979 | 978 | 982 | 993 | 1002 | 1017 | 1024 | 1039 | 1047 | 1041 | 1031 | 1026 |
| 1979 | 1026 | 1028 | 1032 | 1040 | 1050 | 1055 | 1054 | 1067 | 1064 | 1053 | 1043 | 1036 |
| 1980 | 1036 | 1039 | 1041 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1059 | 1053 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1050 | 1044 | 1032 | 1020 | 1010 | 1004 |
| 1982 | 1004 | 1011 | 1025 | 1046 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1076 | 1072 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1083 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1053 | 1059 | 1058 | 1051 | 1042 | 1036 |
| 1985 | 1036 | 1041 | 1046 | 1049 | 1050 | 1054 | 1052 | 1050 | 1039 | 1028 | 1018 | 1012 |
| 1986 | 1012 | 1015 | 1018 | 1028 | 1050 | 1055 | 1056 | 1061 | 1065 | 1057 | 1048 | 1043 |
| 1987 | 1043 | 1045 | 1047 | 1048 | 1049 | 1052 | 1048 | 1040 | 1032 | 1025 | 1020 | 1016 |
| 1988 | 1015 | 1015 | 1015 | 1017 | 1019 | 1021 | 1017 | 1011 | 1006 | 1001 | 997 | 992 |
| 1989 | 991 | 990 | 991 | 993 | 995 | 1004 | 1002 | 1000 | 996 | 989 | 981 | 976 |
| 1990 | 979 | 981 | 986 | 989 | 993 | 996 | 990 | 981 | 971 | 962 | 955 | 949 |
| 1991 | 948 | 949 | 953 | 953 | 955 | 960 | 957 | 955 | 948 | 938 | 930 | 925 |
| 1992 | 926 | 928 | 932 | 934 | 941 | 947 | 942 | 932 | 923 | 912 | 898 | 889 |
| 1993 | 868 | 869 | 895 | 923 | 937 | 957 | 961 | 980 | 990 | 985 | 975 | 969 |
| 1994 | 971 | 976 | 982 | 987 | 991 | 994 | 987 | 980 | 971 | 961 | 952 | 944 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|------|-----|-----|-----|-----|
| 120 | 110 | 111 | 83 | 62 | 69 | 79 |
| 63 | 59 | 56 | 41 | 49 | 49 | 60 |
| 57 | 57 | 63 | 69 | 77 | 83 | 90 |
| 73 | 64 | 63 | 50 | 49 | 56 | 68 |
| 63 | 58 | 56 | 58 | 66 | 76 | 84 |
| 61 | 53 | 47 | 35 | 30 | 39 | 49 |
| 39 | 33 | 32 | 25 | 32 | 44 | 55 |
| 54 | 53 | 57 | 58 | 64 | 72 | 79 |
| 73 | 67 | 67 | 70 | 71 | 79 | 88 |
| 85 | 83 | 87 | 93 | 101 | 109 | 118 |
| 96 | 90 | 90 | 73 | 60 | 64 | 72 |
| 69 | 67 | 71 | 73 | 73 | 81 | 90 |
| 83 | 78 | 82 | 89 | 96 | 106 | 116 |
| 110 | 104 | 93 | 72 | 62 | 69 | 77 |
| 52 | 44 | 40 | 29 | 26 | 34 | 45 |
| 38 | 33 | 38 | 25 | 25 | 34 | 44 |
| 38 | 33 | 25 | 0 | 0 | 4 | 12 |
| 38 | 36 | 38 | 46 | 56 | 67 | 77 |
| 56 | 40 | 37 | 24 | 25 | 34 | 44 |
| 38 | 33 | 36 | 22 | 16 | 22 | 31 |
| 38 | 33 | 33 | 20 | 6 | 10 | 19 |
| 38 | 33 | 27 | 20 | 17 | 24 | 33 |
| 38 | 35 | 40 | 40 | 45 | 56 | 67 |
| 48 | 40 | 44 | 34 | 28 | 35 | 45 |
| 38 | 34 | 33 | 24 | 26 | 35 | 45 |
| 42 | 38 | 42 | 47 | 57 | 69 | 79 |
| 79 | 76 | 75 | 69 | 59 | 65 | 73 |
| 69 | 64 | 64 | 58 | 60 | 68 | 76 |
| 66 | 60 | 58 | 45 | 42 | 52 | 63 |
| 38 | 33 | 30 | 24 | 29 | 38 | 49 |
| 38 | 33 | 30 | 1 | 0 | 2 | 10 |
| 38 | 34 | 35 | 36 | 31 | 36 | 47 |
| 43 | 36 | 33 | 24 | 31 | 40 | 51 |
| 46 | 43 | 48 | 52 | 56 | 67 | 78 |
| 38 | 33 | 33 | 19 | 9 | 14 | 23 |
| 38 | 33 | 36 | 32 | 29 | 39 | 49 |
| 40 | 33 | 26 | 0 | 0 | 5 | 14 |
| 38 | 35 | 39 | 48 | 57 | 68 | 78 |
| 75 | 69 | 71 | 75 | 81 | 89 | 97 |
| 98 | 95 | 98 | 104 | 112 | 121 | 130 |
| 119 | 113 | 111 | 102 | 96 | 104 | 114 |
| 90 | 85 | 86 | 64 | 58 | 67 | 77 |
| 69 | 66 | 69 | 71 | 75 | 84 | 92 |
| 39 | 33 | 30 | 21 | 14 | 19 | 27 |
| 38 | 35 | 37 | 35 | 45 | 57 | 68 |
| 46 | 35 | 34 | 14 | 0 | 0 | 8 |
| 38 | 34 | 38 | 41 | 50 | 61 | 73 |
| 38 | 33 | 22 | 0 | 0 | 4 | 13 |
| 38 | 33 | 34 | 28 | 27 | 37 | 48 |
| 38 | 33 | 36</ | | | | |

STUDY: 1995C06H-SWRCB-513 DWRSIM: recirc818-h, 05 Sep 97
CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION (FT)
Project: /1995C06H-SWRCB-513/20/ELEVATION-EOP/1/MON/OUTPUT/
73 - year maximum March - September Reservoir Elevation = 867

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
If [DFMRE] <= 0, then 6, else
If [DFMRE] <= 5, then 5, else
If [DFMRE] <= 10, then 4, else
If [DFMRE] <= 15, then 3, else
If [DFMRE] <= 20, then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
If [fluctuation] >= 0, then 6, else
If [fluctuation] >= -5, then 5, else
If [fluctuation] >= -10, then 4, else
If [fluctuation] >= -15, then 3, else
If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index

Table with columns for Year, Month (OCT to SEP), and Product. It contains monthly data for reservoir elevation, difference from maximum, change from previous month, and fluctuation for 73 years (1923-1994).

73 - year Average: 9

73 - year Average: 30
1929 - '34 Average: 219.3

STUDY: 1995C06H-SWRCB-513 DWRSIM: recirc818-h_05 Sep 97
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06H-SWRCB-513/18/ELEVATION-EOP/1/1MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 576'

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else 1
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else 1
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 465 | 465 | 489 | 514 | 516 | 540 | 540 | 564 | 566 | 537 | 459 | 459 |
| 1923 | 459 | 459 | 488 | 513 | 504 | 473 | 500 | 499 | 470 | 459 | 459 | 459 |
| 1924 | 459 | 459 | 472 | 485 | 466 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1925 | 459 | 459 | 470 | 481 | 486 | 459 | 466 | 464 | 459 | 459 | 459 | 459 |
| 1926 | 459 | 459 | 472 | 484 | 487 | 459 | 498 | 498 | 459 | 459 | 459 | 459 |
| 1927 | 459 | 460 | 483 | 505 | 529 | 521 | 512 | 514 | 519 | 459 | 459 | 459 |
| 1928 | 459 | 465 | 487 | 506 | 498 | 483 | 478 | 459 | 459 | 459 | 459 | 459 |
| 1929 | 459 | 459 | 470 | 483 | 465 | 459 | 461 | 459 | 459 | 459 | 459 | 459 |
| 1930 | 459 | 459 | 468 | 481 | 463 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1931 | 459 | 459 | 468 | 479 | 461 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1932 | 459 | 459 | 483 | 500 | 527 | 503 | 486 | 482 | 499 | 459 | 459 | 459 |
| 1933 | 459 | 459 | 467 | 481 | 475 | 459 | 467 | 465 | 459 | 459 | 459 | 459 |
| 1934 | 459 | 459 | 475 | 492 | 475 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1935 | 459 | 459 | 473 | 496 | 492 | 459 | 499 | 518 | 524 | 459 | 459 | 459 |
| 1936 | 459 | 459 | 474 | 494 | 539 | 529 | 538 | 557 | 530 | 459 | 459 | 459 |
| 1937 | 459 | 459 | 478 | 503 | 560 | 564 | 576 | 576 | 557 | 493 | 459 | 459 |
| 1938 | 459 | 459 | 518 | 558 | 560 | 542 | 529 | 467 | 572 | 568 | 503 | 459 |
| 1939 | 459 | 459 | 477 | 490 | 476 | 459 | 465 | 470 | 459 | 459 | 459 | 459 |
| 1940 | 459 | 459 | 471 | 514 | 515 | 506 | 493 | 501 | 469 | 459 | 459 | 459 |
| 1941 | 459 | 459 | 502 | 539 | 580 | 567 | 551 | 543 | 566 | 546 | 469 | 459 |
| 1942 | 459 | 459 | 494 | 524 | 526 | 522 | 520 | 532 | 568 | 532 | 459 | 459 |
| 1943 | 459 | 459 | 484 | 534 | 533 | 576 | 574 | 576 | 542 | 476 | 459 | 459 |
| 1944 | 459 | 459 | 475 | 487 | 487 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1945 | 459 | 466 | 480 | 500 | 546 | 548 | 538 | 536 | 540 | 488 | 459 | 459 |
| 1946 | 459 | 460 | 495 | 516 | 490 | 469 | 480 | 504 | 463 | 459 | 459 | 459 |
| 1947 | 459 | 462 | 491 | 512 | 505 | 468 | 470 | 463 | 459 | 459 | 459 | 459 |
| 1948 | 459 | 459 | 473 | 488 | 476 | 471 | 492 | 459 | 459 | 459 | 459 | 459 |
| 1949 | 459 | 459 | 470 | 483 | 476 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1950 | 459 | 459 | 474 | 493 | 496 | 459 | 459 | 462 | 459 | 459 | 459 | 459 |
| 1951 | 459 | 498 | 557 | 560 | 553 | 537 | 526 | 506 | 484 | 459 | 459 | 459 |
| 1952 | 459 | 459 | 494 | 531 | 545 | 548 | 552 | 526 | 576 | 567 | 502 | 459 |
| 1953 | 459 | 459 | 483 | 506 | 484 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1954 | 459 | 459 | 475 | 495 | 489 | 459 | 459 | 475 | 459 | 459 | 459 | 459 |
| 1955 | 459 | 459 | 481 | 503 | 493 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1956 | 459 | 459 | 559 | 560 | 560 | 576 | 568 | 529 | 555 | 529 | 459 | 459 |
| 1957 | 459 | 459 | 474 | 486 | 479 | 461 | 468 | 471 | 459 | 459 | 459 | 459 |
| 1958 | 459 | 459 | 486 | 512 | 524 | 530 | 554 | 568 | 574 | 543 | 474 | 459 |
| 1959 | 459 | 459 | 477 | 486 | 490 | 459 | 473 | 479 | 459 | 459 | 459 | 459 |
| 1960 | 459 | 459 | 459 | 463 | 471 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1961 | 459 | 459 | 468 | 473 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1962 | 459 | 459 | 464 | 470 | 522 | 494 | 471 | 493 | 503 | 459 | 459 | 459 |
| 1963 | 459 | 459 | 465 | 483 | 534 | 526 | 549 | 544 | 551 | 521 | 459 | 459 |
| 1964 | 459 | 476 | 504 | 515 | 504 | 481 | 472 | 459 | 459 | 459 | 459 | 459 |
| 1965 | 459 | 459 | 496 | 540 | 535 | 524 | 529 | 511 | 514 | 459 | 459 | 459 |
| 1966 | 459 | 473 | 514 | 529 | 500 | 459 | 473 | 480 | 459 | 459 | 459 | 459 |
| 1967 | 459 | 459 | 505 | 531 | 549 | 555 | 562 | 514 | 570 | 574 | 522 | 470 |
| 1968 | 459 | 463 | 488 | 495 | 491 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1969 | 459 | 459 | 475 | 557 | 524 | 521 | 467 | 469 | 576 | 576 | 524 | 463 |
| 1970 | 459 | 464 | 495 | 544 | 555 | 541 | 529 | 518 | 488 | 459 | 459 | 459 |
| 1971 | 459 | 460 | 498 | 520 | 510 | 468 | 462 | 459 | 459 | 459 | 459 | 459 |
| 1972 | 459 | 459 | 490 | 510 | 500 | 468 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1973 | 459 | 459 | 483 | 512 | 532 | 523 | 500 | 528 | 538 | 462 | 459 | 459 |
| 1974 | 459 | 470 | 511 | 545 | 526 | 523 | 536 | 548 | 554 | 490 | 459 | 459 |
| 1975 | 459 | 459 | 481 | 494 | 503 | 477 | 483 | 479 | 515 | 459 | 459 | 459 |
| 1976 | 459 | 469 | 489 | 499 | 486 | 473 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1977 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1978 | 459 | 459 | 475 | 524 | 556 | 552 | 510 | 498 | 566 | 559 | 508 | 463 |
| 1979 | 459 | 459 | 479 | 504 | 496 | 496 | 484 | 497 | 462 | 459 | 459 | 459 |
| 1980 | 459 | 459 | 476 | 555 | 560 | 558 | 566 | 550 | 561 | 567 | 514 | 459 |
| 1981 | 459 | 459 | 466 | 477 | 476 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1982 | 459 | 459 | 499 | 533 | 546 | 561 | 546 | 561 | 569 | 564 | 514 | 477 |
| 1983 | 459 | 506 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 576 | 571 | 568 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 562 | 549 | 538 | 509 | 459 | 459 | 459 |
| 1985 | 459 | 459 | 477 | 505 | 497 | 466 | 486 | 483 | 459 | 459 | 459 | 459 |
| 1986 | 459 | 463 | 494 | 520 | 550 | 552 | 574 | 565 | 576 | 546 | 459 | 459 |
| 1987 | 459 | 459 | 459 | 462 | 459 | 459 | 459 | 468 | 459 | 459 | 459 | 459 |
| 1988 | 459 | 459 | 468 | 491 | 462 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1989 | 459 | 459 | 462 | 472 | 459 | 459 | 461 | 459 | 459 | 459 | 459 | 459 |
| 1990 | 459 | 459 | 460 | 464 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1991 | 459 | 459 | 459 | 463 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1992 | 459 | 459 | 459 | 461 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |
| 1993 | 459 | 459 | 461 | 523 | 531 | 539 | 532 | 549 | 566 | 548 | 462 | 459 |
| 1994 | 459 | 459 | 468 | 471 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | 459 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|------|-----|-----|-----|
| 36 | 36 | 12 | 10 | 39 | 117 | 117 |
| 103 | 76 | 127 | 106 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 110 | 112 | 117 | 117 | 117 | 117 |
| 117 | 78 | 78 | 117 | 117 | 117 | 117 |
| 55 | 64 | 62 | 57 | 117 | 117 | 117 |
| 93 | 98 | 117 | 117 | 117 | 117 | 117 |
| 117 | 115 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 73 | 90 | 94 | 77 | 117 | 117 | 117 |
| 117 | 109 | 111 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 77 | 58 | 52 | 117 | 117 | 117 |
| 47 | 38 | 19 | 46 | 117 | 117 | 117 |
| 12 | 0 | 0 | 19 | 83 | 117 | 117 |
| 34 | 47 | 109 | 4 | 8 | 73 | 117 |
| 117 | 111 | 106 | 117 | 117 | 117 | 117 |
| 70 | 83 | 75 | 107 | 117 | 117 | 117 |
| 9 | 25 | 33 | 10 | 30 | 107 | 117 |
| 54 | 56 | 44 | 8 | 44 | 117 | 117 |
| 0 | 2 | 0 | 34 | 100 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 28 | 38 | 40 | 36 | 88 | 117 | 117 |
| 107 | 96 | 72 | 113 | 117 | 117 | 117 |
| 108 | 106 | 113 | 117 | 117 | 117 | 117 |
| 105 | 84 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 114 | 117 | 117 | 117 | 117 |
| 39 | 50 | 70 | 92 | 117 | 117 | 117 |
| 28 | 24 | 50 | 0 | 9 | 74 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 101 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 0 | 8 | 47 | 21 | 47 | 117 | 117 |
| 115 | 108 | 105 | 117 | 117 | 117 | 117 |
| 46 | 22 | 8 | 2 | 33 | 102 | 117 |
| 117 | 103 | 97 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 82 | 105 | 83 | 73 | 117 | 117 | 117 |
| 50 | 27 | 32 | 25 | 55 | 117 | 117 |
| 95 | 104 | 117 | 117 | 117 | 117 | 117 |
| 52 | 47 | 85 | 62 | 117 | 117 | 117 |
| 117 | 103 | 96 | 117 | 117 | 117 | 117 |
| 21 | 14 | 62 | 6 | 2 | 54 | 106 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 55 | 109 | 107 | 0 | 0 | 52 | 113 |
| 35 | 47 | 58 | 88 | 117 | 117 | 117 |
| 108 | 114 | 117 | 117 | 117 | 117 | 117 |
| 108 | 117 | 117 | 117 | 117 | 117 | 117 |
| 53 | 76 | 48 | 38 | 114 | 117 | 117 |
| 53 | 40 | 28 | 22 | 86 | 117 | 117 |
| 99 | 93 | 97 | 61 | 117 | 117 | 117 |
| 103 | 117 | 117 | 117 | 117 | 117 | 117 |
| 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 24 | 66 | 78 | 10 | 17 | 68 | 113 |
| 80 | 92 | 79 | 114 | 117 | 117 | 117 |
| 18 | 10 | 26 | 15</ | | | |

Flow Alternative 5

STUDY: 1995C06H-SWRBC-513 DWRSIM: recirc818-h_05 Sep 97
 CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06H-SWRBC-513/12/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 422 | 446 | 481 | 524 | 539 | 542 | 539 | 532 | 511 | 463 | 419 | 434 |
| 1923 | 465 | 485 | 490 | 504 | 515 | 522 | 524 | 510 | 479 | 455 | 420 | 413 |
| 1924 | 430 | 444 | 474 | 520 | 540 | 540 | 531 | 518 | 503 | 469 | 436 | 426 |
| 1925 | 439 | 449 | 487 | 519 | 544 | 544 | 540 | 523 | 471 | 428 | 378 | 365 |
| 1926 | 393 | 413 | 427 | 479 | 518 | 528 | 529 | 508 | 470 | 458 | 437 | 414 |
| 1927 | 442 | 474 | 508 | 536 | 544 | 544 | 543 | 535 | 506 | 475 | 428 | 435 |
| 1928 | 464 | 494 | 509 | 523 | 535 | 540 | 539 | 522 | 484 | 456 | 417 | 403 |
| 1929 | 416 | 446 | 477 | 518 | 532 | 542 | 530 | 514 | 498 | 486 | 444 | 434 |
| 1930 | 440 | 443 | 485 | 533 | 544 | 544 | 532 | 509 | 474 | 464 | 441 | 419 |
| 1931 | 439 | 455 | 485 | 529 | 544 | 544 | 534 | 518 | 498 | 467 | 426 | 413 |
| 1932 | 423 | 425 | 471 | 525 | 542 | 542 | 539 | 528 | 494 | 453 | 409 | 401 |
| 1933 | 413 | 423 | 434 | 486 | 509 | 519 | 517 | 505 | 479 | 451 | 409 | 403 |
| 1934 | 414 | 421 | 465 | 514 | 528 | 534 | 523 | 499 | 469 | 435 | 387 | 373 |
| 1935 | 381 | 388 | 406 | 469 | 483 | 517 | 524 | 515 | 486 | 460 | 417 | 413 |
| 1936 | 446 | 464 | 490 | 522 | 533 | 539 | 539 | 527 | 497 | 464 | 416 | 418 |
| 1937 | 433 | 449 | 476 | 521 | 537 | 544 | 544 | 542 | 517 | 485 | 412 | 401 |
| 1938 | 434 | 467 | 499 | 515 | 529 | 537 | 542 | 544 | 535 | 514 | 487 | 497 |
| 1939 | 505 | 513 | 518 | 531 | 543 | 544 | 534 | 510 | 476 | 464 | 437 | 419 |
| 1940 | 428 | 434 | 434 | 494 | 529 | 535 | 535 | 509 | 473 | 426 | 348 | 358 |
| 1941 | 402 | 436 | 469 | 520 | 535 | 539 | 536 | 529 | 508 | 485 | 429 | 449 |
| 1942 | 474 | 484 | 489 | 504 | 515 | 520 | 518 | 512 | 494 | 450 | 426 | 443 |
| 1943 | 475 | 485 | 492 | 508 | 519 | 530 | 529 | 526 | 501 | 464 | 415 | 421 |
| 1944 | 456 | 487 | 500 | 515 | 529 | 536 | 527 | 506 | 470 | 457 | 423 | 408 |
| 1945 | 426 | 462 | 497 | 523 | 536 | 541 | 539 | 526 | 495 | 464 | 412 | 404 |
| 1946 | 436 | 469 | 500 | 515 | 526 | 532 | 528 | 510 | 475 | 452 | 419 | 405 |
| 1947 | 430 | 462 | 494 | 521 | 533 | 541 | 528 | 498 | 455 | 432 | 413 | 398 |
| 1948 | 420 | 440 | 452 | 502 | 514 | 534 | 537 | 521 | 491 | 450 | 412 | 408 |
| 1949 | 434 | 460 | 484 | 516 | 529 | 538 | 522 | 498 | 455 | 435 | 407 | 394 |
| 1950 | 406 | 421 | 436 | 489 | 524 | 531 | 524 | 501 | 465 | 436 | 412 | 406 |
| 1951 | 437 | 466 | 500 | 527 | 537 | 543 | 537 | 519 | 481 | 449 | 426 | 421 |
| 1952 | 449 | 476 | 505 | 521 | 530 | 534 | 532 | 534 | 524 | 501 | 480 | 483 |
| 1953 | 491 | 500 | 505 | 519 | 529 | 535 | 528 | 519 | 506 | 473 | 439 | 456 |
| 1954 | 487 | 505 | 514 | 529 | 539 | 544 | 540 | 525 | 485 | 453 | 423 | 409 |
| 1955 | 440 | 468 | 496 | 515 | 527 | 535 | 524 | 505 | 473 | 465 | 432 | 418 |
| 1956 | 434 | 466 | 504 | 528 | 541 | 544 | 541 | 533 | 509 | 466 | 427 | 437 |
| 1957 | 464 | 487 | 492 | 506 | 519 | 526 | 520 | 505 | 475 | 454 | 432 | 423 |
| 1958 | 455 | 484 | 512 | 527 | 539 | 542 | 539 | 531 | 518 | 493 | 471 | 474 |
| 1959 | 482 | 491 | 496 | 510 | 522 | 530 | 519 | 497 | 462 | 451 | 432 | 425 |
| 1960 | 437 | 451 | 463 | 513 | 544 | 544 | 529 | 507 | 466 | 438 | 378 | 371 |
| 1961 | 401 | 439 | 471 | 515 | 544 | 544 | 527 | 496 | 458 | 440 | 426 | 404 |
| 1962 | 416 | 437 | 472 | 513 | 543 | 544 | 533 | 505 | 461 | 420 | 336 | 344 |
| 1963 | 382 | 416 | 445 | 489 | 522 | 529 | 530 | 525 | 499 | 481 | 443 | 457 |
| 1964 | 486 | 514 | 523 | 538 | 544 | 544 | 525 | 497 | 453 | 425 | 402 | 397 |
| 1965 | 404 | 437 | 470 | 518 | 530 | 538 | 540 | 529 | 499 | 466 | 423 | 437 |
| 1966 | 467 | 492 | 498 | 512 | 523 | 530 | 520 | 496 | 451 | 431 | 413 | 404 |
| 1967 | 436 | 467 | 501 | 517 | 527 | 532 | 529 | 532 | 523 | 504 | 484 | 486 |
| 1968 | 494 | 505 | 509 | 523 | 533 | 540 | 531 | 507 | 474 | 456 | 432 | 417 |
| 1969 | 453 | 486 | 512 | 528 | 541 | 544 | 544 | 544 | 537 | 522 | 500 | 505 |
| 1970 | 512 | 521 | 525 | 539 | 544 | 544 | 541 | 523 | 490 | 462 | 413 | 405 |
| 1971 | 429 | 462 | 494 | 515 | 524 | 531 | 525 | 513 | 493 | 472 | 441 | 453 |
| 1972 | 480 | 506 | 517 | 532 | 543 | 544 | 536 | 508 | 466 | 446 | 429 | 411 |
| 1973 | 444 | 474 | 503 | 522 | 533 | 539 | 539 | 527 | 495 | 460 | 420 | 418 |
| 1974 | 451 | 480 | 505 | 520 | 532 | 536 | 533 | 525 | 499 | 470 | 452 | 463 |
| 1975 | 474 | 483 | 488 | 502 | 516 | 520 | 519 | 510 | 485 | 447 | 427 | 437 |
| 1976 | 465 | 485 | 491 | 506 | 520 | 531 | 520 | 497 | 473 | 469 | 446 | 428 |
| 1977 | 437 | 445 | 451 | 472 | 472 | 472 | 475 | 465 | 444 | 416 | 405 | 414 |
| 1978 | 433 | 432 | 481 | 530 | 544 | 544 | 544 | 544 | 523 | 463 | 409 | 429 |
| 1979 | 462 | 485 | 489 | 503 | 517 | 524 | 526 | 514 | 487 | 459 | 416 | 409 |
| 1980 | 447 | 481 | 508 | 525 | 541 | 544 | 544 | 540 | 519 | 479 | 442 | 457 |
| 1981 | 489 | 507 | 514 | 528 | 539 | 544 | 537 | 511 | 474 | 458 | 430 | 410 |
| 1982 | 436 | 469 | 503 | 524 | 535 | 540 | 544 | 544 | 525 | 490 | 460 | 470 |
| 1983 | 494 | 507 | 513 | 527 | 540 | 544 | 544 | 544 | 537 | 524 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 541 | 524 | 492 | 464 | 412 | 431 |
| 1985 | 464 | 492 | 498 | 513 | 525 | 533 | 521 | 495 | 452 | 433 | 417 | 401 |
| 1986 | 413 | 433 | 468 | 517 | 543 | 544 | 544 | 544 | 529 | 495 | 459 | 468 |
| 1987 | 496 | 509 | 533 | 544 | 544 | 544 | 526 | 498 | 465 | 453 | 423 | 407 |
| 1988 | 419 | 424 | 460 | 510 | 514 | 514 | 506 | 491 | 475 | 466 | 440 | 433 |
| 1989 | 437 | 466 | 497 | 525 | 535 | 544 | 535 | 513 | 468 | 449 | 433 | 424 |
| 1990 | 448 | 461 | 474 | 519 | 540 | 544 | 532 | 509 | 482 | 452 | 407 | 388 |
| 1991 | 394 | 397 | 408 | 431 | 431 | 488 | 493 | 485 | 460 | 432 | 405 | 403 |
| 1992 | 425 | 436 | 449 | 492 | 521 | 544 | 532 | 511 | 483 | 457 | 419 | 402 |
| 1993 | 413 | 406 | 450 | 508 | 537 | 541 | 538 | 530 | 510 | 462 | 409 | 410 |
| 1994 | 446 | 476 | 489 | 503 | 517 | 526 | 514 | 489 | 462 | 459 | 448 | 436 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Change from
 Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [Fluctuation] >= 0', then 6, else
 If [Fluctuation] >= -5', then 5, else
 If [Fluctuation] >= -10', then 4, else
 If [Fluctuation] >= -15', then 3, else
 If [Fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 2 | 2 | 5 | 12 | 33 | 81 | 125 | 110 | 5 | 4 | 3 | 1 | 1 | 1 | 1 | 16 | 384 |
| 22 | 20 | 24 | 34 | 65 | 89 | 124 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 154 |
| 4 | 13 | 26 | 41 | 75 | 108 | 118 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 286 |
| 0 | 4 | 21 | 73 | 116 | 166 | 179 | 6 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 16 | 294 |
| 16 | 15 | 36 | 74 | 86 | 107 | 130 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 171 |
| 0 | 1 | 9 | 38 | 69 | 116 | 109 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 19 | 456 |
| 4 | 5 | 22 | 60 | 88 | 127 | 141 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 366 |
| 2 | 14 | 30 | 46 | 58 | 100 | 110 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 273 |
| 0 | 12 | 35 | 70 | 80 | 103 | 125 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 238 |
| 0 | 10 | 26 | 46 | 77 | 118 | 131 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 266 |
| 2 | 5 | 16 | 50 | 91 | 135 | 143 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 15 | 315 |
| 25 | 27 | 39 | 65 | 93 | 135 | 141 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 147 |
| 10 | 21 | 45 | 75 | 109 | 157 | 171 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 144 |
| 27 | 20 | 29 | 58 | 84 | 127 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 168 |
| 5 | 5 | 17 | 47 | 80 | 128 | 126 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 14 | 336 |
| 0 | 0 | 2 | 27 | 79 | 132 | 143 | 6 | 6 | 5 | 1 | 1 | 1 | 1 | 1 | 21 | 483 |
| 7 | 2 | 0 | 9 | 30 | 57 | 47 | 4 | 5 | 6 | 4 | 1 | 1 | 1 | 1 | 22 | 660 |
| 0 | 10 | 34 | 68 | 80 | 107 | 125 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 252 |
| 9 | 9 | 35 | 71 | 118 | 196 | 186 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 286 |
| 5 | 8 | 15 | 36 | 79 | 115 | 95 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 14 | 396 |
| 24 | 26 | 32 | 50 | 94 | 118 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 175 |
| 14 | 15 | 18 | 43 | 80 | 129 | 123 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 11 | 275 |
| 8 | 17 | 38 | 74 | 87 | 121 | 136 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 209 |
| 3 | 5 | 18 | 49 | 80 | 132 | 140 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 15 | 315 |
| 12 | 16 | 34 | 69 | 92 | 125 | 139 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 190 |
| 3 | 16 | 46 | 89 | 112 | 131 | 146 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 204 |
| 10 | 7 | 23 | 53 | 94 | 132 | 136 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 264 |
| 6 | 22 | 46 | 89 | 109 | 137 | 150 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 160 |
| 13 | 20 | 43 | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc818-f, 18 Jun 97
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-485/4/ELEVATION-EOP//1MON/OUTPUT/
 73-year maximum March - September Reservoir Elevation = 1067'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|----|---|---|----|-----|-----|-----|-----|-----|-----|
| 1922 | 989 | 992 | 998 | 1,003 | 1,018 | 1,037 | 1,059 | 1,067 | 1,062 | 1,047 | 1,030 | 1,024 | 30 | 8 | 0 | 5 | 20 | 37 | 43 | 1 | 4 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 18 | 19 | 22 | 8 | -5 | -15 | -17 | -6 | 6 | 6 | 6 | 5 | 3 | 2 | 4 | 32 | 576 | |
| 1923 | 1,022 | 1,017 | 1,019 | 1,023 | 1,023 | 1,023 | 1,035 | 1,030 | 1,015 | 996 | 977 | 976 | 44 | 32 | 37 | 52 | 71 | 90 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 12 | -5 | -15 | -19 | -19 | -1 | 6 | 6 | 5 | 3 | 2 | 2 | 5 | 29 | 203 |
| 1924 | 977 | 977 | 977 | 978 | 985 | 986 | 974 | 961 | 940 | 915 | 896 | 879 | 81 | 93 | 106 | 127 | 152 | 171 | 188 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -12 | -13 | -21 | -25 | -19 | -17 | 6 | 3 | 3 | 1 | 1 | 2 | 2 | 18 | 126 | |
| 1925 | 883 | 899 | 908 | 918 | 983 | 1,007 | 1,039 | 1,050 | 1,038 | 1,016 | 1,002 | 997 | 60 | 28 | 17 | 29 | 51 | 65 | 70 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 14 | 32 | 11 | -12 | -22 | -14 | -5 | 6 | 6 | 6 | 3 | 1 | 3 | 5 | 30 | 240 |
| 1926 | 992 | 989 | 984 | 981 | 1,010 | 1,017 | 1,031 | 1,024 | 998 | 971 | 949 | 942 | 50 | 36 | 43 | 69 | 96 | 118 | 125 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 14 | -7 | -26 | -27 | -22 | -7 | 6 | 6 | 4 | 1 | 1 | 1 | 4 | 23 | 161 |
| 1927 | 944 | 973 | 998 | 1,023 | 1,026 | 1,052 | 1,067 | 1,067 | 1,061 | 1,045 | 1,025 | 1,020 | 15 | 0 | 0 | 6 | 22 | 42 | 47 | 2 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 26 | 15 | 0 | -6 | -16 | -20 | -5 | 6 | 6 | 6 | 4 | 2 | 2 | 5 | 31 | 651 | |
| 1928 | 1,018 | 1,017 | 1,020 | 1,028 | 1,044 | 1,046 | 1,066 | 1,062 | 1,042 | 1,016 | 995 | 988 | 21 | 1 | 5 | 25 | 51 | 72 | 79 | 1 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 2 | 20 | -4 | -20 | -26 | -21 | -7 | 6 | 6 | 5 | 2 | 1 | 1 | 4 | 25 | 350 | |
| 1929 | 985 | 986 | 987 | 989 | 986 | 1,003 | 1,004 | 997 | 988 | 968 | 950 | 943 | 64 | 63 | 70 | 79 | 99 | 117 | 124 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 1 | -7 | -9 | -20 | -18 | -7 | 6 | 6 | 4 | 2 | 2 | 4 | 28 | 196 | | |
| 1930 | 940 | 939 | 970 | 982 | 999 | 1,022 | 1,033 | 1,033 | 1,013 | 994 | 978 | 975 | 45 | 34 | 34 | 54 | 73 | 89 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 23 | 11 | 0 | -20 | -19 | -16 | -3 | 6 | 6 | 6 | 2 | 2 | 2 | 5 | 29 | 203 | |
| 1931 | 972 | 971 | 970 | 973 | 977 | 986 | 977 | 967 | 954 | 933 | 917 | 904 | 81 | 90 | 100 | 113 | 134 | 150 | 163 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -9 | -10 | -13 | -21 | -16 | -13 | 6 | 4 | 4 | 3 | 1 | 2 | 3 | 23 | 161 | | |
| 1932 | 898 | 897 | 914 | 925 | 935 | 961 | 964 | 972 | 965 | 951 | 936 | 928 | 106 | 103 | 95 | 102 | 116 | 131 | 139 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 26 | 3 | 8 | -7 | -14 | -15 | -8 | 6 | 6 | 6 | 4 | 3 | 3 | 4 | 32 | 224 | | |
| 1933 | 926 | 921 | 922 | 925 | 928 | 964 | 973 | 978 | 973 | 952 | 938 | 930 | 103 | 94 | 89 | 94 | 115 | 129 | 137 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 36 | 9 | 5 | -5 | -21 | -14 | -8 | 6 | 6 | 6 | 5 | 1 | 3 | 4 | 31 | 217 | | |
| 1934 | 928 | 928 | 938 | 956 | 975 | 989 | 991 | 986 | 972 | 939 | 923 | 908 | 78 | 76 | 81 | 95 | 128 | 144 | 159 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 2 | -5 | -14 | -33 | -16 | -15 | 6 | 6 | 5 | 3 | 1 | 2 | 3 | 26 | 182 | | |
| 1935 | 902 | 913 | 917 | 940 | 959 | 983 | 1,027 | 1,035 | 1,027 | 1,004 | 990 | 985 | 84 | 40 | 32 | 40 | 63 | 77 | 82 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 24 | 44 | 8 | -8 | -23 | -14 | -5 | 6 | 6 | 6 | 4 | 1 | 3 | 5 | 31 | 217 | | |
| 1936 | 982 | 980 | 978 | 1,004 | 1,032 | 1,044 | 1,054 | 1,052 | 1,045 | 1,022 | 1,000 | 993 | 23 | 13 | 15 | 22 | 45 | 67 | 74 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 12 | 10 | -2 | -7 | -23 | -22 | -7 | 6 | 6 | 5 | 4 | 1 | 1 | 4 | 27 | 210 | | |
| 1937 | 989 | 985 | 980 | 975 | 978 | 1,006 | 1,035 | 1,044 | 1,040 | 1,021 | 1,002 | 995 | 61 | 32 | 23 | 27 | 46 | 65 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 28 | 29 | 9 | -4 | -19 | -19 | -7 | 6 | 6 | 6 | 5 | 2 | 2 | 4 | 31 | 277 | | |
| 1938 | 992 | 1,013 | 1,020 | 1,035 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 | 43 | 18 | 0 | 0 | 9 | 22 | 31 | 1 | 2 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | -6 | 25 | 18 | 0 | -9 | -13 | -9 | 4 | 6 | 6 | 6 | 4 | 3 | 4 | 33 | 693 | | | |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,024 | 1,039 | 1,031 | 1,024 | 998 | 975 | 944 | 940 | 28 | 36 | 43 | 69 | 92 | 123 | 127 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | -8 | -7 | -26 | -23 | -31 | -4 | 6 | 4 | 4 | 1 | 1 | 1 | 5 | 22 | 154 | | |
| 1940 | 936 | 930 | 940 | 989 | 1,017 | 1,025 | 1,059 | 1,063 | 1,051 | 1,029 | 1,008 | 1,004 | 42 | 8 | 4 | 16 | 38 | 59 | 63 | 1 | 4 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 8 | 34 | 4 | -12 | -22 | -21 | -4 | 6 | 6 | 6 | 3 | 1 | 1 | 5 | 28 | 416 | | | |
| 1941 | 1,004 | 1,004 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 | 22 | 3 | 0 | 0 | 9 | 20 | 31 | 1 | 5 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 21 | 19 | 3 | 0 | -9 | -11 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 820 | | | |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 | 25 | 0 | 0 | 0 | 9 | 21 | 31 | 1 | 6 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 25 | 14 | 25 | 0 | 0 | -9 | -12 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 875 | | | | |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,059 | 1,046 | 1,031 | 1,025 | 16 | 0 | 0 | 8 | 21 | 36 | 42 | 2 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 9 | 16 | 0 | -8 | -13 | -15 | -6 | 6 | 6 | 6 | 4 | 3 | 3 | 4 | 32 | 672 | | | | |
| 1944 | 1,023 | 1,017 | 1,015 | 1,014 | 1,023 | 1,033 | 1,038 | 1,038 | 1,017 | 993 | 972 | 964 | 34 | 29 | 29 | 50 | 74 | 95 | 103 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 10 | 5 | 0 | -21 | -24 | -21 | -8 | 6 | 6 | 6 | 1 | 1 | 1 | 4 | 25 | 175 | | | | |
| 1945 | 966 | 979 | 994 | 1,001 | 1,036 | 1,049 | 1,062 | 1,067 | 1,058 | 1,037 | 1,018 | 1,011 | 18 | 5 | 0 | 9 | 30 | 49 | 56 | 2 | 4 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 19 | 13 | 13 | 5 | -9 | -21 | -19 | -7 | 6 | 6 | 6 | 4 | 1 | 2 | 4 | 29 | 551 | | | | |
| 1946 | 1,010 | 1,017 | 1,018 | 1,033 | 1,039 | 1,051 | 1,063 | 1,065 | 1,050 | 1,031 | 1,015 | 1,008 | 16 | 4 | 2 | 17 | 36 | 52 | 59 | 2 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 17 | 12 | 12 | 2 | -15 | -19 | -16 | -7 | 6 | 6 | 6 | 3 | 2 | 2 | 4 | 29 | 493 | | | | |
| 1947 | 1,002 | 1,003 | 1,003 | 1,000 | 1,007 | 1,028 | 1,034 | 1,023 | 1,008 | 987 | 965 | 950 | 41 | 33 | 44 | 59 | 80 | 102 | 117 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 23 | 161 | | | |
| 1948 | 957 | 961 | 963 | 993 | 993 | 1,005 | 1,047 | 1,067 | 1,066 | 1,050 | 1,035 | 1,033 | 62 | 20 | 0 | 1 | 17 | 32 | 34 | 1 | 1 | 6 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 17 | 12 | 8 | 20 | -1 | -16 | -15 | -2 | 6 | 6 | 6 | 5 | 2 | 3 | 5 | 33 | 561 | | | | |
| 1949 | 1,023 | 1,017 | 1,016 | 1,012 | 1,016 | 1,050 | 1,063 | 1,064 | 1,043 | 1,020 | 999 | 993 | 17 | 4 | 3 | 24 | 47 | 68 | 74 | 2 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16 | 34 | 13 | 1 | -21 | -23 | -21 | -6 | 6 | 6 | 6 | 1 | 1 | 1 | 4 | 25 | 400 | | | | |
| 1950 | 987 | 982 | 979 | 990 | 1,005 | 1,023 | 1,040 | 1,039 | 1,026 | 1,005 | 988 | 986 | 44 | 27 | 28 | 41 | 62 | 79 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 18 | 17 | 1 | -13 | -21 | -17 | -2 | 6 | 6 | 5 | 3 | 1 | 2 | 5 | 28 | 196 | | | | |
| 1951 | 999 | 1,017 | 1,020 | 1,033 | 1,040 | 1,058 | 1,065 | 1,067 | 1,051 | 1,029 | 1,011 | 1,008 | 9 | 2 | 0 | 16 | 38 | 56 | 59 | 4 | 5 | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 20 | 18 | 7 | 2 | -16 | -22 | -18 | -3 | 6 | 6 | 6 | 2 | 1 | 2 | 5 | 28 | 560 | | | | | |
| 1952 | 1,006 | 1,011 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 | 19 | 9 | 0 | 0 | 9 | 21 | 31 | 2 | 4 | 5 | 6 | 4 | 1 | 1 | 1 | 1 | 24 | 10 | 10 | 9 | 0 | -9 | -12 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 840 | | | | | |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,051 | 1,065 | 1,067 | 1,067 | 1,057 | 1,042 | 1,036 | 16 | 2 | 0 | 0 | 10 | 25 | 31 | 2 | 5 | 6 | 6 | 3 | 1 | 1 | 1 | 1 | 24 | 18 | 14 | 2 | 0 | -10 | -15 | -6 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 840 | | | | | |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,063 | 1,053 | 1,036 | 1,022 | 1,018 | 16 | 0 | 4 | 14 | 31 | 45 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc818-f, 18 Jun 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-485/6/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 900'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 830 | 832 | 836 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 876 |
| 1923 | 874 | 874 | 858 | 862 | 858 | 871 | 894 | 900 | 881 | 842 | 812 | 814 |
| 1924 | 805 | 794 | 763 | 768 | 786 | 776 | 762 | 751 | 728 | 708 | 699 | 693 |
| 1925 | 693 | 697 | 704 | 721 | 788 | 816 | 836 | 843 | 825 | 795 | 783 | 782 |
| 1926 | 778 | 775 | 777 | 791 | 834 | 854 | 887 | 874 | 853 | 814 | 800 | 777 |
| 1927 | 774 | 805 | 806 | 830 | 849 | 863 | 890 | 900 | 899 | 863 | 851 | 848 |
| 1928 | 845 | 856 | 857 | 868 | 871 | 849 | 878 | 865 | 845 | 794 | 744 | 737 |
| 1929 | 724 | 719 | 717 | 723 | 737 | 753 | 758 | 760 | 753 | 737 | 728 | 721 |
| 1930 | 713 | 710 | 770 | 798 | 824 | 855 | 877 | 880 | 862 | 824 | 789 | 786 |
| 1931 | 776 | 768 | 760 | 773 | 786 | 799 | 786 | 771 | 749 | 728 | 718 | 711 |
| 1932 | 705 | 696 | 702 | 726 | 748 | 781 | 787 | 812 | 783 | 729 | 712 | 706 |
| 1933 | 696 | 684 | 683 | 695 | 704 | 710 | 718 | 732 | 725 | 711 | 700 | 693 |
| 1934 | 689 | 681 | 683 | 710 | 733 | 761 | 753 | 743 | 719 | 695 | 683 | 676 |
| 1935 | 671 | 675 | 682 | 710 | 733 | 764 | 852 | 862 | 848 | 824 | 814 | 796 |
| 1936 | 780 | 771 | 769 | 820 | 849 | 860 | 886 | 897 | 888 | 849 | 829 | 826 |
| 1937 | 814 | 793 | 778 | 769 | 776 | 801 | 832 | 845 | 825 | 788 | 767 | 761 |
| 1938 | 756 | 774 | 850 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 713 | 656 | 650 |
| 1940 | 640 | 629 | 632 | 704 | 813 | 849 | 879 | 884 | 867 | 829 | 822 | 811 |
| 1941 | 802 | 798 | 839 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 885 | 882 | 882 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 897 | 897 | 895 | 863 | 853 | 853 |
| 1944 | 854 | 857 | 856 | 862 | 857 | 868 | 879 | 895 | 875 | 835 | 797 | 791 |
| 1945 | 786 | 793 | 809 | 823 | 862 | 865 | 880 | 896 | 878 | 838 | 813 | 808 |
| 1946 | 808 | 816 | 849 | 864 | 868 | 868 | 887 | 892 | 870 | 831 | 789 | 785 |
| 1947 | 776 | 782 | 791 | 797 | 823 | 845 | 855 | 850 | 833 | 779 | 725 | 718 |
| 1948 | 721 | 722 | 718 | 755 | 758 | 778 | 839 | 868 | 874 | 840 | 822 | 806 |
| 1949 | 798 | 796 | 796 | 801 | 809 | 832 | 852 | 856 | 833 | 780 | 746 | 741 |
| 1950 | 726 | 717 | 711 | 744 | 792 | 831 | 864 | 883 | 872 | 834 | 822 | 821 |
| 1951 | 825 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 848 | 820 | 820 |
| 1952 | 823 | 826 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 890 | 889 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 868 | 870 |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 866 | 851 | 805 | 758 | 759 |
| 1955 | 760 | 762 | 770 | 783 | 790 | 803 | 812 | 825 | 798 | 735 | 712 | 709 |
| 1956 | 700 | 696 | 848 | 849 | 849 | 864 | 892 | 900 | 900 | 873 | 870 | 874 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 881 | 866 | 827 | 790 | 795 |
| 1958 | 797 | 801 | 821 | 841 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 808 | 758 | 761 |
| 1960 | 754 | 743 | 737 | 752 | 813 | 854 | 854 | 859 | 840 | 798 | 786 | 778 |
| 1961 | 767 | 770 | 779 | 790 | 820 | 838 | 843 | 849 | 828 | 771 | 713 | 709 |
| 1962 | 692 | 688 | 697 | 712 | 776 | 812 | 847 | 846 | 831 | 776 | 747 | 726 |
| 1963 | 800 | 812 | 839 | 859 | 867 | 858 | 876 | 900 | 893 | 857 | 846 | 847 |
| 1964 | 848 | 859 | 861 | 866 | 874 | 874 | 880 | 885 | 868 | 827 | 780 | 756 |
| 1965 | 743 | 744 | 849 | 849 | 863 | 870 | 887 | 884 | 886 | 853 | 847 | 848 |
| 1966 | 852 | 859 | 860 | 864 | 870 | 874 | 888 | 877 | 858 | 817 | 768 | 762 |
| 1967 | 749 | 759 | 797 | 848 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 802 | 764 | 761 |
| 1969 | 763 | 768 | 791 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 818 | 787 | 789 |
| 1971 | 792 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 871 | 853 | 855 |
| 1972 | 860 | 866 | 865 | 869 | 867 | 874 | 884 | 887 | 868 | 828 | 785 | 786 |
| 1973 | 782 | 797 | 823 | 849 | 849 | 860 | 882 | 900 | 872 | 833 | 819 | 815 |
| 1974 | 819 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 888 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 877 | 876 | 877 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 795 | 751 | 751 |
| 1977 | 740 | 728 | 712 | 708 | 692 | 688 | 667 | 656 | 627 | 605 | 596 | 593 |
| 1978 | 582 | 582 | 619 | 745 | 799 | 859 | 878 | 897 | 893 | 874 | 865 | 872 |
| 1979 | 874 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 867 | 829 | 820 | 818 |
| 1980 | 822 | 826 | 834 | 850 | 849 | 865 | 881 | 893 | 888 | 873 | 866 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 806 | 762 | 763 |
| 1982 | 768 | 848 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 886 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 890 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 878 | 840 | 831 | 832 |
| 1985 | 836 | 850 | 860 | 866 | 874 | 871 | 886 | 872 | 850 | 806 | 757 | 744 |
| 1986 | 735 | 731 | 738 | 773 | 849 | 849 | 871 | 875 | 871 | 842 | 831 | 842 |
| 1987 | 844 | 850 | 848 | 849 | 860 | 867 | 887 | 847 | 819 | 759 | 710 | 705 |
| 1988 | 693 | 695 | 735 | 762 | 765 | 765 | 764 | 754 | 732 | 711 | 699 | 697 |
| 1989 | 688 | 707 | 717 | 724 | 724 | 840 | 865 | 856 | 838 | 790 | 776 | 771 |
| 1990 | 778 | 779 | 772 | 786 | 792 | 818 | 805 | 805 | 780 | 727 | 713 | 703 |
| 1991 | 687 | 679 | 665 | 662 | 650 | 703 | 726 | 740 | 723 | 701 | 696 | 695 |
| 1992 | 691 | 686 | 688 | 691 | 722 | 752 | 767 | 755 | 729 | 704 | 693 | 687 |
| 1993 | 678 | 673 | 691 | 759 | 811 | 861 | 894 | 900 | 900 | 881 | 874 | 873 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 872 | 867 | 845 | 803 | 755 | 750 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 20 | 24 | 24 |
| 29 | 6 | 0 | 19 | 58 | 86 | 86 |
| 124 | 138 | 149 | 172 | 192 | 201 | 207 |
| 84 | 64 | 57 | 75 | 105 | 117 | 118 |
| 46 | 13 | 26 | 47 | 86 | 100 | 123 |
| 37 | 10 | 0 | 1 | 37 | 49 | 52 |
| 51 | 22 | 35 | 55 | 106 | 156 | 163 |
| 147 | 142 | 140 | 147 | 163 | 172 | 179 |
| 45 | 23 | 20 | 38 | 76 | 111 | 114 |
| 101 | 114 | 129 | 151 | 172 | 182 | 189 |
| 119 | 113 | 88 | 117 | 171 | 188 | 194 |
| 190 | 182 | 168 | 175 | 189 | 200 | 207 |
| 139 | 147 | 157 | 181 | 205 | 217 | 224 |
| 136 | 48 | 38 | 52 | 76 | 86 | 104 |
| 40 | 14 | 3 | 12 | 51 | 71 | 74 |
| 99 | 68 | 55 | 75 | 112 | 133 | 139 |
| 51 | 18 | 0 | 0 | 1 | 4 | 13 |
| 67 | 78 | 87 | 122 | 187 | 244 | 250 |
| 51 | 21 | 16 | 33 | 71 | 78 | 89 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 |
| 33 | 18 | 0 | 0 | 15 | 18 | 18 |
| 41 | 13 | 3 | 5 | 37 | 47 | 47 |
| 32 | 21 | 5 | 25 | 65 | 103 | 109 |
| 35 | 20 | 4 | 22 | 62 | 87 | 92 |
| 32 | 13 | 8 | 30 | 69 | 111 | 115 |
| 55 | 45 | 50 | 67 | 121 | 175 | 182 |
| 122 | 61 | 32 | 26 | 60 | 78 | 94 |
| 68 | 48 | 44 | 67 | 120 | 154 | 159 |
| 69 | 36 | 17 | 28 | 66 | 78 | 79 |
| 30 | 14 | 0 | 11 | 52 | 80 | 80 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 |
| 33 | 17 | 0 | 0 | 30 | 32 | 30 |
| 41 | 17 | 34 | 49 | 95 | 142 | 141 |
| 97 | 88 | 75 | 102 | 165 | 188 | 191 |
| 36 | 8 | 0 | 0 | 27 | 30 | 26 |
| 37 | 37 | 19 | 34 | 73 | 110 | 105 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 29 | 26 | 47 | 92 | 142 | 139 |
| 46 | 46 | 41 | 60 | 102 | 144 | 122 |
| 62 | 57 | 51 | 72 | 129 | 187 | 191 |
| 68 | 53 | 54 | 69 | 124 | 153 | 174 |
| 42 | 24 | 0 | 7 | 43 | 54 | 53 |
| 26 | 20 | 15 | 32 | 73 | 120 | 144 |
| 30 | 13 | 16 | 14 | 47 | 53 | 52 |
| 26 | 12 | 23 | 42 | 83 | 132 | 138 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 37 | 33 | 52 | 98 | 136 | 139 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 |
| 26 | 31 | 29 | 43 | 82 | 113 | 111 |
| 26 | 7 | 0 | 0 | 29 | 47 | 45 |
| 26 | 16 | 13 | 32 | 72 | 115 | 114 |
| 40 | 18 | 0 | 28 | 67 | 81 | 85 |
| 51 | 17 | 0 | 0 | 11 | 12 | 14 |
| 48 | 19 | 0 | 0 | 23 | 24 | 23 |
| 26 | 29 | 38 | 60 | 105 | 149 | 149 |
| 212 | 233 | 244 | 273 | 295 | 304 | 307 |
| 41 | 22 | 3 | 7 | 26 | 35 | 28 |
| 37 | 22 | 4 | 33 | 71 | 80 | 82 |
| 35 | 19 | 7 | 12 | 27 | 34 | 35 |
| 35 | 25 | 28 | 49 | 94 | 138 | 137 |
| 41 | 16 | 0 | 0 | 11 | 14 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 15 | | | | | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc818-f, 18 Jun 97
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-485/8/ELEVATION-EOP/1/IMON/OUTPUT/

73 - year maximum March - January Reservoir Elevation = 466'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 405 | 410 | 410 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 424 | 423 | 449 | 466 | 448 | 426 | 404 | 387 |
| 1924 | 394 | 396 | 394 | 395 | 401 | 387 | 388 | 366 | 334 | 334 | 337 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 424 | 434 | 449 | 466 | 445 | 422 | 410 | 402 |
| 1926 | 383 | 368 | 336 | 322 | 377 | 389 | 427 | 425 | 390 | 334 | 334 | 348 |
| 1927 | 338 | 390 | 412 | 424 | 424 | 437 | 449 | 466 | 461 | 450 | 433 | 427 |
| 1928 | 423 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 434 | 409 | 403 | 396 |
| 1929 | 357 | 338 | 325 | 276 | 307 | 339 | 365 | 377 | 367 | 334 | 347 | 351 |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 413 | 378 | 334 | 335 |
| 1931 | 334 | 343 | 353 | 369 | 379 | 392 | 387 | 382 | 334 | 334 | 335 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 441 | 457 | 428 | 380 | 366 | 370 |
| 1933 | 343 | 334 | 355 | 366 | 369 | 382 | 335 | 358 | 334 | 334 | 349 | 344 |
| 1934 | 335 | 335 | 375 | 402 | 420 | 424 | 414 | 406 | 334 | 323 | 313 | 326 |
| 1935 | 334 | 361 | 378 | 402 | 418 | 421 | 449 | 453 | 452 | 418 | 395 | 373 |
| 1936 | 378 | 390 | 399 | 424 | 424 | 437 | 449 | 461 | 456 | 444 | 427 | 418 |
| 1937 | 405 | 383 | 372 | 361 | 402 | 430 | 449 | 466 | 454 | 444 | 439 | 429 |
| 1938 | 422 | 419 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 387 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 324 | 424 | 437 | 449 | 459 | 445 | 425 | 409 | 408 |
| 1941 | 403 | 402 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 448 | 444 | 433 |
| 1944 | 425 | 418 | 412 | 405 | 406 | 418 | 419 | 433 | 410 | 387 | 370 | 356 |
| 1945 | 346 | 383 | 405 | 413 | 424 | 437 | 449 | 466 | 451 | 440 | 432 | 426 |
| 1946 | 423 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 446 | 431 | 425 | 418 |
| 1947 | 408 | 409 | 408 | 400 | 407 | 426 | 436 | 439 | 407 | 365 | 335 | 334 |
| 1948 | 344 | 365 | 366 | 395 | 386 | 380 | 422 | 449 | 449 | 440 | 435 | 431 |
| 1949 | 422 | 416 | 413 | 403 | 396 | 419 | 441 | 457 | 438 | 420 | 404 | 395 |
| 1950 | 368 | 334 | 335 | 398 | 424 | 437 | 449 | 466 | 454 | 443 | 434 | 434 |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 434 | 429 | 425 |
| 1952 | 423 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 462 | 445 | 434 |
| 1954 | 425 | 418 | 412 | 405 | 406 | 418 | 419 | 433 | 410 | 387 | 370 | 356 |
| 1955 | 403 | 401 | 408 | 416 | 416 | 410 | 420 | 438 | 417 | 392 | 361 | 335 |
| 1956 | 338 | 359 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 433 | 459 | 447 | 435 | 429 | 423 |
| 1958 | 419 | 414 | 415 | 422 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 428 | 435 | 436 | 411 | 389 | 377 | 384 |
| 1960 | 365 | 334 | 343 | 359 | 409 | 437 | 447 | 446 | 424 | 401 | 387 | 387 |
| 1961 | 368 | 376 | 385 | 387 | 397 | 408 | 415 | 423 | 407 | 388 | 378 | 378 |
| 1962 | 359 | 343 | 357 | 359 | 418 | 427 | 449 | 456 | 446 | 426 | 410 | 408 |
| 1963 | 439 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 449 | 442 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 416 | 408 | 419 | 433 | 407 | 347 | 334 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 414 | 449 | 461 | 452 | 446 | 443 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 445 | 444 | 419 | 395 | 388 | 382 |
| 1967 | 369 | 386 | 419 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 439 | 441 | 417 | 393 | 390 | 387 |
| 1969 | 386 | 399 | 416 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 431 | 440 | 427 | 411 | 403 | 401 |
| 1971 | 389 | 406 | 424 | 424 | 422 | 437 | 447 | 461 | 460 | 459 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 430 | 409 | 403 | 397 |
| 1973 | 396 | 403 | 417 | 424 | 424 | 437 | 449 | 466 | 451 | 435 | 423 | 425 |
| 1974 | 422 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 462 | 447 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 396 | 401 | 404 | 370 | 334 | 337 | 338 |
| 1977 | 335 | 334 | 390 | 325 | 321 | 323 | 333 | 335 | 333 | 318 | 304 | 288 |
| 1978 | 284 | 301 | 358 | 424 | 424 | 437 | 449 | 466 | 459 | 453 | 445 | 434 |
| 1979 | 423 | 417 | 407 | 414 | 424 | 437 | 447 | 466 | 444 | 426 | 418 | 413 |
| 1980 | 410 | 411 | 415 | 405 | 399 | 430 | 449 | 464 | 453 | 453 | 449 | 434 |
| 1981 | 425 | 418 | 413 | 412 | 410 | 421 | 431 | 434 | 408 | 387 | 379 | 372 |
| 1982 | 371 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 441 | 464 | 452 | 439 | 425 | 425 |
| 1985 | 422 | 424 | 424 | 422 | 424 | 426 | 447 | 444 | 411 | 372 | 336 | 334 |
| 1986 | 335 | 366 | 396 | 424 | 396 | 424 | 449 | 464 | 458 | 453 | 449 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 416 | 417 | 386 | 337 | 325 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 385 | 383 | 391 | 388 | 350 | 320 | 303 | 372 |
| 1989 | 358 | 377 | 393 | 403 | 395 | 437 | 449 | 452 | 429 | 405 | 394 | 404 |
| 1990 | 405 | 403 | 400 | 402 | 403 | 417 | 420 | 418 | 384 | 334 | 335 | 335 |
| 1991 | 334 | 334 | 335 | 332 | 332 | 383 | 407 | 425 | 420 | 415 | 410 | 409 |
| 1992 | 402 | 390 | 381 | 366 | 387 | 403 | 410 | 406 | 365 | 334 | 323 | 316 |
| 1993 | 316 | 315 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 451 | 447 | 432 |
| 1994 | 421 | 411 | 405 | 393 | 388 | 388 | 396 | 401 | 377 | 334 | 334 | 332 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 17 | 32 |
| 43 | 17 | 0 | 18 | 40 | 62 | 79 |
| 79 | 78 | 100 | 132 | 132 | 129 | 132 |
| 32 | 17 | 0 | 21 | 44 | 56 | 64 |
| 77 | 39 | 41 | 76 | 132 | 132 | 118 |
| 29 | 17 | 0 | 5 | 16 | 33 | 39 |
| 29 | 17 | 13 | 32 | 57 | 63 | 70 |
| 127 | 101 | 89 | 99 | 132 | 119 | 115 |
| 29 | 23 | 24 | 53 | 88 | 132 | 131 |
| 74 | 79 | 84 | 132 | 132 | 131 | 132 |
| 30 | 25 | 9 | 38 | 86 | 100 | 96 |
| 84 | 131 | 108 | 132 | 132 | 117 | 122 |
| 42 | 52 | 60 | 132 | 143 | 153 | 140 |
| 45 | 17 | 13 | 14 | 48 | 71 | 93 |
| 29 | 17 | 5 | 10 | 22 | 39 | 48 |
| 36 | 17 | 0 | 12 | 22 | 27 | 37 |
| 29 | 17 | 0 | 9 | 3 | 17 | 32 |
| 57 | 51 | 48 | 79 | 132 | 132 | 131 |
| 29 | 17 | 7 | 21 | 41 | 57 | 58 |
| 29 | 17 | 0 | 8 | 11 | 17 | 32 |
| 36 | 17 | 0 | 0 | 3 | 17 | 32 |
| 32 | 17 | 7 | 15 | 18 | 22 | 33 |
| 48 | 47 | 33 | 56 | 79 | 96 | 110 |
| 29 | 17 | 0 | 15 | 26 | 34 | 40 |
| 29 | 17 | 0 | 20 | 35 | 41 | 48 |
| 40 | 30 | 27 | 59 | 101 | 131 | 132 |
| 86 | 44 | 17 | 17 | 26 | 31 | 35 |
| 47 | 25 | 9 | 28 | 46 | 62 | 71 |
| 29 | 17 | 0 | 12 | 23 | 32 | 32 |
| 40 | 17 | 0 | 16 | 32 | 37 | 41 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 36 | 20 | 8 | 2 | 4 | 21 | 32 |
| 29 | 17 | 16 | 31 | 51 | 53 | 55 |
| 56 | 46 | 28 | 49 | 74 | 105 | 131 |
| 41 | 25 | 0 | 0 | 3 | 17 | 32 |
| 29 | 13 | 7 | 19 | 31 | 37 | 43 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 38 | 31 | 30 | 55 | 77 | 89 | 82 |
| 29 | 19 | 20 | 42 | 65 | 79 | 79 |
| 58 | 51 | 43 | 59 | 78 | 88 | 88 |
| 39 | 17 | 10 | 20 | 40 | 56 | 58 |
| 36 | 17 | 0 | 7 | 17 | 24 | 32 |
| 58 | 47 | 33 | 59 | 119 | 132 | 132 |
| 52 | 17 | 5 | 14 | 20 | 23 | 32 |
| 36 | 21 | 22 | 47 | 71 | 78 | 84 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 29 | 27 | 25 | 49 | 73 | 76 | 79 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 40 | 35 | 26 | 39 | 55 | 63 | 65 |
| 29 | 19 | 5 | 6 | 7 | 17 | 32 |
| 29 | 22 | 15 | 36 | 57 | 63 | 69 |
| 29 | 17 | 0 | 15 | 31 | 43 | 41 |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 |
| 29 | 25 | 0 | 0 | 4 | 19 | 32 |
| 70 | 65 | 62 | 96 | 132 | 129 | 128 |
| 143 | 133 | 131 | 133 | 148 | 162 | 178 |
| 29 | 17 | 0 | 7 | 13 | 21 | 32 |
| 29 | 19 | 0 | 22 | 40 | 48 | 53 |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 |
| 45 | 35 | 32 | 58 | 79 | 87 | 94 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 |
| 42 | 25 | 2 | 14 | 27 | 41 | 41 |
| 40 | 19 | 22 | 55 | 94 | 130 | 132 |
| 42 | 17 | 2 | 8 | 13 | 17 | 32 |
| 56 | 50 | 49 | 80 | 129 | 141 | 132 |
| 83 | 75 | 78 | 116 | 146 | 163 | 94 |
| 29 | 17 | 14 | 37 | 61 | 72 | 62 |
| 49 | 46 | 48 | 82 | 132 | 131 | 131 |
| 83 | 59 | 41 | 46 | 51 | 56 | 57 |
| 63 | 56 | 60 | 101 | 132 | 1 | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc18, 14 Apr 97
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-485/81/ELEVATION-EOP/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|---|---|---|----|-----|-----|-----|-----|-----|
| 1922 | 599 | 582 | 579 | 601 | 656 | 690 | 699 | 724 | 782 | 779 | 763 | 752 | 142 | 133 | 108 | 50 | 53 | 69 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 9 | 25 | 58 | -3 | -16 | -11 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 |
| 1923 | 746 | 745 | 748 | 761 | 776 | 784 | 789 | 792 | 801 | 795 | 780 | 770 | 48 | 43 | 40 | 31 | 37 | 52 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 5 | 3 | 9 | -6 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 |
| 1924 | 764 | 762 | 757 | 755 | 756 | 754 | 749 | 744 | 735 | 723 | 709 | 701 | 78 | 83 | 88 | 97 | 109 | 123 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | -5 | -5 | -9 | -12 | -14 | -8 | 5 | 5 | 4 | 3 | 3 | 4 | 29 | 203 | |
| 1925 | 698 | 698 | 699 | 703 | 725 | 741 | 754 | 767 | 785 | 776 | 760 | 749 | 91 | 78 | 65 | 47 | 56 | 72 | 83 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 13 | 13 | 18 | -9 | -16 | -11 | 6 | 6 | 6 | 6 | 4 | 2 | 3 | 33 | 231 |
| 1926 | 743 | 741 | 736 | 735 | 744 | 749 | 763 | 776 | 774 | 759 | 744 | 735 | 83 | 69 | 56 | 58 | 73 | 88 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 14 | 13 | -2 | -15 | -15 | -9 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 |
| 1927 | 730 | 729 | 733 | 740 | 768 | 783 | 794 | 795 | 814 | 806 | 792 | 782 | 49 | 38 | 37 | 18 | 26 | 40 | 50 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 11 | 1 | 19 | -8 | -14 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 280 |
| 1928 | 776 | 776 | 776 | 779 | 787 | 800 | 802 | 819 | 819 | 805 | 790 | 780 | 32 | 30 | 13 | 13 | 27 | 42 | 52 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 2 | 17 | 0 | -14 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 4 | 4 | 34 | 374 |
| 1929 | 774 | 769 | 765 | 764 | 768 | 769 | 769 | 773 | 780 | 771 | 762 | 754 | 63 | 63 | 59 | 52 | 61 | 70 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 0 | 4 | 7 | -9 | -9 | -8 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 | |
| 1930 | 752 | 749 | 746 | 746 | 752 | 759 | 761 | 764 | 777 | 769 | 760 | 753 | 73 | 71 | 68 | 55 | 63 | 72 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 2 | 3 | 13 | -8 | -9 | -7 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 | |
| 1931 | 751 | 750 | 749 | 751 | 754 | 753 | 746 | 737 | 726 | 712 | 699 | 692 | 79 | 86 | 95 | 106 | 120 | 133 | 140 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -7 | -9 | -11 | -14 | -13 | -7 | 5 | 4 | 4 | 3 | 3 | 4 | 4 | 36 | 182 | |
| 1932 | 689 | 685 | 695 | 710 | 745 | 760 | 761 | 768 | 786 | 781 | 766 | 756 | 72 | 71 | 64 | 46 | 51 | 66 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 1 | 7 | 18 | -5 | -15 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 252 | |
| 1933 | 749 | 742 | 737 | 736 | 742 | 745 | 743 | 740 | 757 | 746 | 732 | 722 | 87 | 89 | 92 | 75 | 86 | 100 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -2 | -3 | 17 | -11 | -14 | -10 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 | |
| 1934 | 715 | 713 | 711 | 714 | 725 | 732 | 731 | 727 | 724 | 708 | 693 | 685 | 100 | 101 | 105 | 108 | 124 | 139 | 147 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | -1 | -4 | -3 | -16 | -15 | -8 | 6 | 5 | 5 | 5 | 2 | 3 | 4 | 30 | 210 | |
| 1935 | 681 | 680 | 681 | 693 | 713 | 728 | 749 | 759 | 786 | 774 | 759 | 747 | 104 | 83 | 73 | 46 | 58 | 73 | 85 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 21 | 10 | 27 | -12 | -15 | -12 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 303 | |
| 1936 | 740 | 738 | 733 | 738 | 776 | 792 | 801 | 819 | 832 | 823 | 808 | 798 | 40 | 31 | 13 | 0 | 9 | 24 | 34 | 1 | 1 | 3 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 9 | 18 | 13 | -9 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 595 | | |
| 1937 | 792 | 786 | 782 | 785 | 800 | 800 | 802 | 815 | 832 | 819 | 805 | 795 | 32 | 30 | 17 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 13 | 17 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 510 | | |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 | 32 | 32 | 28 | 1 | 0 | 13 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | 4 | 27 | 1 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 648 | | | |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 | 32 | 30 | 28 | 33 | 45 | 58 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 2 | -5 | -12 | -13 | -8 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 | | |
| 1940 | 764 | 763 | 761 | 774 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 | 32 | 30 | 16 | 3 | 18 | 33 | 43 | 1 | 1 | 2 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 14 | 13 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 442 | | | |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 | 32 | 32 | 20 | 0 | 1 | 15 | 24 | 1 | 1 | 1 | 6 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | 12 | 20 | -1 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 612 | | | |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 | 32 | 30 | 25 | 1 | 0 | 14 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 5 | 24 | 1 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 666 | | | |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 | 32 | 30 | 11 | 0 | 8 | 22 | 33 | 1 | 1 | 3 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 19 | 11 | -8 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 578 | | | |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 | 32 | 31 | 24 | 18 | 30 | 45 | 55 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 1 | 7 | 6 | -12 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 4 | 34 | 272 | | | | |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 | 32 | 30 | 25 | 1 | 7 | 22 | 33 | 1 | 1 | 1 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 5 | 24 | -6 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 476 | | | |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 800 | 769 | 32 | 30 | 26 | 20 | 36 | 52 | 63 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 4 | 6 | -16 | -16 | -11 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | | | |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 | 51 | 54 | 50 | 56 | 68 | 82 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -3 | -4 | 9 | -12 | -14 | -8 | 6 | 5 | 6 | 4 | 3 | 3 | 4 | 31 | 217 | | | |
| 1948 | 739 | 738 | 737 | 739 | 740 | 740 | 736 | 745 | 770 | 760 | 742 | 732 | 92 | 96 | 87 | 62 | 72 | 90 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -4 | 4 | 25 | -10 | -18 | -10 | 6 | 5 | 6 | 6 | 4 | 2 | 4 | 33 | 231 | | | |
| 1949 | 726 | 720 | 714 | 713 | 720 | 731 | 738 | 748 | 756 | 738 | 719 | 706 | 101 | 94 | 84 | 76 | 94 | 113 | 126 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 7 | 10 | 8 | -18 | -19 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | | | |
| 1950 | 700 | 693 | 687 | 693 | 712 | 725 | 733 | 746 | 762 | 747 | 729 | 717 | 107 | 99 | 86 | 70 | 85 | 103 | 115 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 8 | 13 | 16 | -15 | -18 | -12 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | | | |
| 1951 | 711 | 759 | 800 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 | 32 | 34 | 38 | 34 | 49 | 63 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -2 | -4 | 4 | -15 | -14 | -10 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 | | | |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 | 32 | 32 | 12 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | 20 | 12 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 | | | | |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 | 32 | 30 | 28 | 18 | 22 | 36 | 45 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 2 | 10 | -4 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 288 | | | |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 | 35 | 30 | 13 | 12 | 27 | 43 | 52 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 5 | 17 | 1 | -15 | -16 | -9 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 363 | | | |
| 1955 | 774 | 770 | 768 | 774 | 781 | 784 | 781 | 785 | 791 | 779 | 767 | 760 | 48 | 51 | 47 | 41 | 53 | 65 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc818, 14 Apr 97
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-485/20/ELEVATION-EOP//1MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73 - year maximum March - September Reservoir Elevation = 867

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|---|---|---|---|---|----|-----|-----|-----|
| 1922 | 680 | 680 | 696 | 712 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 | 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 | 1 | 1 | 6 | 4 | 1 | 1 | 1 | 15 | 20 | 10 | 56 | 22 | -7 | -14 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 525 | |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 | 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 13 | 5 | 14 | 27 | 5 | -9 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 455 | |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 811 | 799 | 781 | 768 | 758 | 60 | 58 | 56 | 68 | 86 | 99 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 2 | -2 | -12 | -18 | -13 | -10 | 5 | 6 | 6 | 3 | 2 | 3 | 4 | 29 | 203 | |
| 1925 | 758 | 763 | 768 | 772 | 796 | 805 | 824 | 847 | 851 | 839 | 824 | 812 | 62 | 43 | 20 | 16 | 28 | 43 | 55 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | 9 | 19 | 23 | 4 | -12 | -15 | -12 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 264 | |
| 1926 | 808 | 808 | 808 | 808 | 808 | 814 | 834 | 832 | 831 | 827 | 820 | 812 | 53 | 33 | 35 | 36 | 40 | 47 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 6 | 20 | -2 | -1 | -4 | -7 | -8 | 6 | 6 | 5 | 5 | 4 | 4 | 3 | 35 | 245 | |
| 1927 | 808 | 808 | 808 | 808 | 808 | 815 | 818 | 849 | 860 | 856 | 852 | 840 | 52 | 49 | 18 | 7 | 11 | 15 | 27 | 1 | 1 | 1 | 2 | 4 | 3 | 2 | 1 | 14 | 7 | 3 | 31 | 11 | -4 | -4 | -12 | 6 | 6 | 6 | 5 | 5 | 5 | 3 | 37 | 518 | |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 822 | 815 | 811 | 807 | 58 | 59 | 43 | 45 | 52 | 56 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -1 | 16 | -2 | -7 | -4 | -4 | 6 | 5 | 6 | 5 | 4 | 5 | 5 | 36 | 252 | |
| 1929 | 807 | 806 | 806 | 805 | 807 | 809 | 810 | 814 | 814 | 816 | 819 | 813 | 58 | 57 | 53 | 53 | 51 | 48 | 54 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 1 | 4 | 0 | 2 | 3 | -6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 40 | 280 |
| 1930 | 808 | 807 | 807 | 807 | 806 | 802 | 806 | 808 | 812 | 815 | 819 | 816 | 65 | 61 | 59 | 55 | 52 | 48 | 51 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 4 | 2 | 4 | 3 | 4 | -3 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 40 | 280 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 810 | 813 | 801 | 784 | 770 | 761 | 59 | 57 | 54 | 66 | 83 | 97 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 3 | -12 | -17 | -14 | -9 | 6 | 6 | 6 | 3 | 2 | 3 | 4 | 30 | 210 | |
| 1932 | 760 | 760 | 778 | 789 | 808 | 817 | 826 | 852 | 867 | 857 | 843 | 832 | 50 | 41 | 15 | 0 | 10 | 24 | 35 | 1 | 1 | 1 | 2 | 6 | 3 | 1 | 1 | 15 | 9 | 9 | 26 | 15 | -10 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 510 | |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 816 | 825 | 839 | 827 | 813 | 805 | 56 | 51 | 42 | 28 | 40 | 54 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 5 | 9 | 14 | -12 | -14 | -8 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | |
| 1934 | 803 | 802 | 805 | 808 | 808 | 816 | 823 | 818 | 809 | 793 | 780 | 770 | 51 | 44 | 49 | 58 | 74 | 87 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 7 | -5 | -9 | -16 | -13 | -10 | 6 | 6 | 5 | 4 | 2 | 3 | 4 | 30 | 210 | |
| 1935 | 769 | 773 | 778 | 796 | 806 | 816 | 840 | 859 | 867 | 854 | 839 | 828 | 51 | 27 | 8 | 0 | 13 | 28 | 39 | 1 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 10 | 24 | 19 | 8 | -13 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 | |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 | 47 | 27 | 8 | 2 | 14 | 29 | 40 | 1 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 6 | -12 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 | |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 | 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 12 | 14 | 25 | 8 | -14 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 | |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 | 47 | 27 | 8 | 0 | 10 | 27 | 37 | 1 | 1 | 1 | 4 | 6 | 3 | 1 | 22 | 12 | 20 | 19 | 8 | 0 | -12 | -15 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 36 | 792 | | |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 | 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 15 | 1 | -11 | -18 | -16 | -11 | 6 | 6 | 6 | 3 | 2 | 2 | 3 | 28 | 196 | | |
| 1940 | 778 | 779 | 780 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 | 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 | 1 | 1 | 4 | 4 | 1 | 1 | 13 | 12 | 17 | 22 | 2 | -16 | -16 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 403 | | |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 | 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 14 | 25 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 | |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 | 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 12 | 18 | 21 | 8 | -7 | -9 | -11 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | 35 | 665 | |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 | 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 5 | -11 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 544 | |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 | 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -2 | 23 | -2 | -13 | -17 | -14 | 6 | 5 | 6 | 6 | 3 | 2 | 3 | 31 | 217 | | |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 | 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 | 1 | 1 | 3 | 6 | 3 | 1 | 1 | 16 | 12 | 13 | 23 | 11 | -11 | -14 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 | |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 | 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 12 | 10 | 19 | 22 | -2 | -15 | -16 | -13 | 6 | 6 | 6 | 5 | 3 | 2 | 3 | 31 | 372 | |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 | 52 | 44 | 31 | 37 | 53 | 68 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 8 | 13 | -6 | -16 | -15 | -8 | 6 | 6 | 6 | 4 | 2 | 3 | 4 | 31 | 217 | | |
| 1948 | 790 | 791 | 792 | 794 | 795 | 795 | 799 | 823 | 839 | 825 | 807 | 794 | 72 | 68 | 44 | 28 | 42 | 60 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 4 | 24 | 16 | -14 | -18 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | | |
| 1949 | 791 | 791 | 792 | 793 | 796 | 804 | 815 | 836 | 835 | 816 | 797 | 782 | 63 | 52 | 31 | 32 | 51 | 70 | 85 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 11 | 21 | -1 | -19 | -19 | -15 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 | | |
| 1950 | 779 | 779 | 779 | 786 | 798 | 801 | 818 | 838 | 839 | 822 | 803 | 789 | 66 | 49 | 29 | 28 | 45 | 64 | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 17 | 20 | 1 | -17 | -19 | -14 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | | |
| 1951 | 786 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 | 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 8 | 10 | -3 | -18 | -20 | -15 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 | | |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 | 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 20 | 19 | 8 | -3 | -12 | -12 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 700 | |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 | 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 6 | 1 | 7 | -14 | -19 | -15 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | | |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 | 69 | 62 | 34 | 41 | 62 | 82 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 17 | 18 | -7 | -21 | -20 | -15 | 6 | 6 | 6 | 4 | 1 | 2 | 3 | 28 | 196 | | |
| 1955 | 767 | 766 | 768 | 775 | 780 | 782 | 782 | 804 | 814 | 798 | 782 | 772 | 85 | 85 | 63 | 53 | 69 | 85 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 22 | 10 | -16 | -16 | -10 | 6 | 6 | 6 | 6 | 2 | 2 | 4 | 32 | 224 | | |
| 1956 | 769 | 769 | 769 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 | 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 11 | 13 | 27 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 | 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 0 | 15 | 10 | -16 | -18 | -14 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | | |
| 1958 | 787 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc818, 14 Apr 97
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-485/18/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 548 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 506 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 488 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 3 | 2 | 6 | 6 | 3 | 1 | 1 | 22 | 17 | -7 | 17 | 0 | -14 | -44 | -27 | 6 | 4 | 6 | 6 | 3 | 1 | 1 | 27 | 594 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -14 | 24 | 8 | -9 | -14 | -63 | 7 | 3 | 6 | 6 | 4 | 3 | 1 | 6 | 29 | 203 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -13 | 3 | 5 | -6 | -27 | -14 | 4 | 3 | 6 | 6 | 4 | 1 | 3 | 6 | 29 | 203 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -15 | 21 | 18 | -10 | -23 | -16 | -8 | 3 | 6 | 6 | 4 | 1 | 2 | 4 | 26 | 182 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 | -14 | 41 | 14 | -28 | -41 | -21 | 12 | 3 | 6 | 6 | 1 | 1 | 1 | 6 | 24 | 216 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 | 2 | 4 | 6 | 1 | 1 | 1 | 17 | 1 | -1 | 9 | 7 | -33 | -51 | -10 | 6 | 5 | 6 | 6 | 1 | 1 | 4 | 29 | 493 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 8 | 3 | -32 | -45 | -12 | 12 | 6 | 6 | 6 | 1 | 1 | 3 | 6 | 29 | 203 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 18 | 0 | -4 | -21 | -40 | 11 | 5 | 6 | 6 | 5 | 1 | 1 | 6 | 30 | 210 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 15 | 9 | -16 | -29 | -23 | 16 | 5 | 6 | 6 | 2 | 1 | 1 | 6 | 27 | 189 |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -9 | 2 | 6 | -8 | -26 | -16 | 0 | 4 | 6 | 6 | 4 | 1 | 2 | 6 | 29 | 203 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -12 | -7 | 8 | 20 | -34 | -26 | -15 | 3 | 4 | 6 | 6 | 1 | 1 | 3 | 24 | 168 |
| 75 | 56 | 39 | 50 | 77 | 110 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -11 | 19 | 17 | -11 | -17 | -43 | 1 | 3 | 6 | 6 | 3 | 2 | 1 | 6 | 27 | 189 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -8 | 13 | 11 | -4 | -25 | -21 | 9 | 4 | 6 | 6 | 5 | 1 | 1 | 6 | 29 | 203 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 | 1 | 3 | 5 | 1 | 1 | 1 | 13 | -23 | 33 | 21 | 11 | -36 | -69 | 10 | 1 | 6 | 6 | 6 | 1 | 1 | 6 | 27 | 351 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 | 3 | 6 | 3 | 1 | 1 | 1 | 17 | -2 | 6 | 12 | -13 | -42 | -49 | 6 | 5 | 6 | 6 | 3 | 1 | 1 | 6 | 28 | 476 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 | 6 | 6 | 6 | 1 | 1 | 1 | 25 | 10 | 6 | 0 | 0 | -38 | -54 | -15 | 6 | 6 | 6 | 6 | 1 | 1 | 3 | 29 | 725 |
| 34 | 47 | 109 | 4 | 0</ | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-485 DWRSIM: recirc818-f, 18 Jun 97
 CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-485/12/ELEVATION/EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 450 | 484 | 527 | 544 | 544 | 540 | 528 | 513 | 464 | 416 | 427 |
| 1923 | 459 | 486 | 505 | 542 | 544 | 544 | 535 | 501 | 462 | 436 | 412 | 408 |
| 1924 | 418 | 420 | 445 | 488 | 512 | 512 | 501 | 483 | 457 | 417 | 379 | 375 |
| 1925 | 372 | 383 | 431 | 464 | 512 | 526 | 517 | 485 | 451 | 424 | 362 | 359 |
| 1926 | 399 | 423 | 448 | 490 | 517 | 522 | 517 | 491 | 466 | 453 | 385 | 384 |
| 1927 | 391 | 434 | 474 | 521 | 544 | 544 | 536 | 513 | 467 | 439 | 407 | 411 |
| 1928 | 446 | 476 | 499 | 532 | 544 | 544 | 538 | 508 | 466 | 440 | 414 | 409 |
| 1929 | 436 | 461 | 484 | 527 | 544 | 544 | 536 | 521 | 497 | 465 | 433 | 430 |
| 1930 | 430 | 436 | 481 | 531 | 543 | 544 | 526 | 494 | 466 | 456 | 445 | 423 |
| 1931 | 430 | 434 | 435 | 476 | 488 | 491 | 481 | 465 | 450 | 418 | 371 | 370 |
| 1932 | 383 | 383 | 447 | 505 | 535 | 528 | 521 | 498 | 484 | 482 | 445 | 431 |
| 1933 | 447 | 455 | 456 | 500 | 520 | 528 | 523 | 509 | 480 | 444 | 401 | 401 |
| 1934 | 412 | 409 | 456 | 509 | 520 | 520 | 508 | 483 | 462 | 440 | 379 | 367 |
| 1935 | 373 | 376 | 401 | 466 | 474 | 510 | 518 | 489 | 445 | 416 | 341 | 352 |
| 1936 | 390 | 390 | 390 | 453 | 501 | 521 | 521 | 499 | 461 | 437 | 410 | 409 |
| 1937 | 438 | 467 | 495 | 533 | 544 | 544 | 544 | 541 | 512 | 462 | 414 | 412 |
| 1938 | 443 | 475 | 505 | 544 | 544 | 544 | 544 | 544 | 537 | 504 | 471 | 486 |
| 1939 | 513 | 529 | 538 | 544 | 544 | 544 | 526 | 491 | 460 | 447 | 437 | 448 |
| 1940 | 420 | 417 | 411 | 477 | 517 | 537 | 532 | 504 | 449 | 414 | 344 | 346 |
| 1941 | 384 | 415 | 449 | 501 | 533 | 544 | 543 | 540 | 526 | 477 | 437 | 456 |
| 1942 | 487 | 503 | 528 | 544 | 544 | 544 | 540 | 531 | 523 | 477 | 438 | 455 |
| 1943 | 485 | 500 | 523 | 544 | 544 | 544 | 544 | 544 | 512 | 466 | 417 | 426 |
| 1944 | 458 | 489 | 504 | 539 | 544 | 544 | 525 | 491 | 458 | 441 | 422 | 413 |
| 1945 | 417 | 454 | 488 | 523 | 544 | 544 | 533 | 504 | 469 | 446 | 412 | 411 |
| 1946 | 444 | 475 | 503 | 542 | 544 | 544 | 525 | 493 | 447 | 413 | 409 | 410 |
| 1947 | 437 | 466 | 494 | 523 | 544 | 544 | 520 | 479 | 440 | 418 | 408 | 408 |
| 1948 | 411 | 416 | 416 | 468 | 485 | 509 | 508 | 480 | 442 | 413 | 338 | 348 |
| 1949 | 383 | 412 | 445 | 492 | 514 | 542 | 520 | 487 | 451 | 429 | 410 | 408 |
| 1950 | 435 | 463 | 470 | 519 | 544 | 544 | 529 | 495 | 464 | 446 | 415 | 405 |
| 1951 | 426 | 459 | 496 | 532 | 544 | 544 | 520 | 485 | 432 | 404 | 398 | 400 |
| 1952 | 422 | 452 | 480 | 518 | 544 | 544 | 544 | 544 | 536 | 511 | 492 | 499 |
| 1953 | 518 | 532 | 538 | 544 | 544 | 544 | 524 | 501 | 473 | 450 | 422 | 439 |
| 1954 | 470 | 488 | 510 | 541 | 544 | 544 | 534 | 508 | 457 | 426 | 402 | 403 |
| 1955 | 428 | 457 | 485 | 521 | 533 | 539 | 518 | 487 | 460 | 452 | 418 | 418 |
| 1956 | 419 | 431 | 475 | 513 | 544 | 544 | 531 | 521 | 500 | 468 | 426 | 436 |
| 1957 | 463 | 488 | 498 | 529 | 544 | 544 | 526 | 493 | 451 | 426 | 418 | 421 |
| 1958 | 451 | 480 | 503 | 532 | 544 | 544 | 544 | 544 | 544 | 500 | 481 | 495 |
| 1959 | 508 | 529 | 538 | 544 | 544 | 544 | 519 | 479 | 440 | 419 | 409 | 408 |
| 1960 | 439 | 469 | 471 | 515 | 544 | 544 | 524 | 488 | 455 | 432 | 370 | 358 |
| 1961 | 395 | 424 | 460 | 503 | 529 | 540 | 516 | 476 | 444 | 428 | 417 | 402 |
| 1962 | 433 | 460 | 493 | 523 | 544 | 544 | 520 | 480 | 427 | 386 | 331 | 339 |
| 1963 | 375 | 408 | 437 | 483 | 518 | 535 | 531 | 513 | 477 | 449 | 411 | 419 |
| 1964 | 451 | 479 | 493 | 525 | 536 | 543 | 516 | 474 | 433 | 409 | 389 | 394 |
| 1965 | 397 | 428 | 465 | 516 | 542 | 544 | 544 | 526 | 492 | 465 | 422 | 429 |
| 1966 | 459 | 488 | 506 | 544 | 544 | 544 | 520 | 480 | 433 | 402 | 399 | 404 |
| 1967 | 432 | 462 | 496 | 530 | 544 | 544 | 544 | 544 | 537 | 525 | 506 | 509 |
| 1968 | 523 | 533 | 538 | 544 | 544 | 544 | 523 | 484 | 445 | 424 | 410 | 417 |
| 1969 | 445 | 473 | 505 | 543 | 544 | 544 | 544 | 537 | 517 | 489 | 503 | 503 |
| 1970 | 517 | 530 | 538 | 544 | 544 | 544 | 528 | 494 | 451 | 429 | 411 | 416 |
| 1971 | 444 | 476 | 507 | 535 | 544 | 544 | 525 | 499 | 461 | 431 | 416 | 428 |
| 1972 | 456 | 483 | 496 | 528 | 544 | 544 | 517 | 475 | 433 | 408 | 403 | 404 |
| 1973 | 426 | 458 | 489 | 522 | 544 | 544 | 537 | 514 | 476 | 446 | 411 | 414 |
| 1974 | 445 | 473 | 496 | 535 | 544 | 544 | 542 | 528 | 496 | 467 | 442 | 454 |
| 1975 | 478 | 494 | 514 | 544 | 544 | 544 | 539 | 517 | 491 | 459 | 429 | 439 |
| 1976 | 466 | 486 | 502 | 533 | 544 | 544 | 525 | 495 | 473 | 467 | 448 | 429 |
| 1977 | 430 | 436 | 438 | 456 | 456 | 456 | 457 | 446 | 429 | 408 | 402 | 418 |
| 1978 | 424 | 442 | 491 | 538 | 544 | 544 | 544 | 544 | 526 | 469 | 413 | 433 |
| 1979 | 466 | 488 | 506 | 544 | 544 | 544 | 537 | 512 | 479 | 459 | 409 | 413 |
| 1980 | 448 | 480 | 503 | 544 | 544 | 544 | 544 | 544 | 527 | 493 | 454 | 471 |
| 1981 | 502 | 524 | 538 | 544 | 544 | 544 | 544 | 526 | 487 | 449 | 428 | 411 |
| 1982 | 436 | 469 | 502 | 537 | 544 | 544 | 544 | 544 | 531 | 494 | 462 | 471 |
| 1983 | 496 | 515 | 536 | 544 | 544 | 544 | 544 | 544 | 537 | 527 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 527 | 493 | 453 | 434 | 410 | 415 |
| 1985 | 451 | 482 | 504 | 534 | 544 | 544 | 519 | 478 | 432 | 403 | 376 | 378 |
| 1986 | 379 | 385 | 424 | 479 | 516 | 531 | 543 | 544 | 533 | 493 | 463 | 473 |
| 1987 | 502 | 514 | 538 | 544 | 544 | 544 | 523 | 485 | 455 | 441 | 427 | 412 |
| 1988 | 418 | 414 | 453 | 503 | 517 | 517 | 505 | 488 | 476 | 460 | 426 | 424 |
| 1989 | 420 | 437 | 458 | 496 | 496 | 527 | 515 | 482 | 449 | 436 | 385 | 391 |
| 1990 | 406 | 424 | 440 | 486 | 508 | 513 | 497 | 466 | 450 | 447 | 393 | 383 |
| 1991 | 383 | 389 | 389 | 405 | 405 | 470 | 471 | 460 | 443 | 420 | 404 | 406 |
| 1992 | 409 | 423 | 438 | 484 | 517 | 540 | 531 | 510 | 494 | 461 | 420 | 413 |
| 1993 | 413 | 420 | 467 | 521 | 531 | 544 | 526 | 512 | 496 | 460 | 407 | 415 |
| 1994 | 450 | 480 | 495 | 529 | 544 | 544 | 521 | 485 | 454 | 441 | 432 | 416 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Change from
 Previous Month [fluctuation]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|------|-----|-----|-----|-----|-----|
| 0 | 4 | 16 | 31 | 80 | 128 | 117 | 1 |
| 0 | 9 | 43 | 82 | 108 | 132 | 136 | 6 |
| 32 | 43 | 61 | 87 | 127 | 165 | 169 | 1 |
| 18 | 27 | 59 | 93 | 120 | 182 | 185 | 2 |
| 22 | 27 | 53 | 78 | 91 | 159 | 160 | 1 |
| 0 | 8 | 31 | 77 | 105 | 137 | 133 | 6 |
| 0 | 6 | 36 | 78 | 104 | 130 | 135 | 6 |
| 0 | 8 | 23 | 47 | 79 | 111 | 114 | 6 |
| 0 | 18 | 50 | 78 | 88 | 99 | 121 | 6 |
| 53 | 63 | 79 | 94 | 126 | 173 | 174 | 1 |
| 16 | 23 | 46 | 60 | 62 | 99 | 113 | 2 |
| 16 | 21 | 35 | 64 | 100 | 143 | 143 | 2 |
| 24 | 36 | 61 | 82 | 104 | 165 | 177 | 1 |
| 34 | 26 | 55 | 99 | 128 | 203 | 192 | 1 |
| 23 | 23 | 45 | 83 | 107 | 134 | 135 | 1 |
| 0 | 0 | 3 | 32 | 82 | 130 | 132 | 6 |
| 0 | 0 | 0 | 7 | 40 | 73 | 58 | 6 |
| 0 | 18 | 53 | 84 | 97 | 107 | 126 | 6 |
| 7 | 12 | 40 | 95 | 130 | 200 | 198 | 4 |
| 0 | 1 | 4 | 18 | 67 | 107 | 88 | 6 |
| 0 | 4 | 13 | 21 | 67 | 106 | 89 | 6 |
| 0 | 0 | 0 | 32 | 78 | 127 | 118 | 6 |
| 0 | 19 | 53 | 86 | 103 | 122 | 131 | 6 |
| 0 | 11 | 40 | 75 | 98 | 132 | 133 | 6 |
| 0 | 19 | 51 | 97 | 131 | 135 | 134 | 6 |
| 0 | 24 | 65 | 104 | 126 | 136 | 136 | 6 |
| 35 | 36 | 64 | 102 | 131 | 206 | 196 | 1 |
| 2 | 24 | 57 | 93 | 115 | 134 | 136 | 5 |
| 0 | 15 | 49 | 80 | 98 | 129 | 139 | 6 |
| 0 | 24 | 59 | 112 | 140 | 146 | 144 | 6 |
| 0 | 0 | 0 | 8 | 33 | 52 | 45 | 6 |
| 0 | 20 | 43 | 71 | 94 | 122 | 105 | 6 |
| 0 | 10 | 36 | 87 | 118 | 142 | 141 | 6 |
| 5 | 26 | 57 | 84 | 92 | 126 | 126 | 4 |
| 0 | 13 | 23 | 44 | 76 | 118 | 108 | 6 |
| 0 | 18 | 51 | 93 | 118 | 126 | 123 | 6 |
| 0 | 0 | 0 | 8 | 44 | 63 | 49 | 6 |
| 0 | 25 | 65 | 104 | 125 | 135 | 136 | 6 |
| 0 | 20 | 56 | 89 | 112 | 174 | 186 | 6 |
| 4 | 28 | 68 | 100 | 116 | 127 | 142 | 5 |
| 0 | 24 | 64 | 117 | 158 | 213 | 205 | 6 |
| 9 | 13 | 31 | 67 | 95 | 133 | 125 | 4 |
| 1 | 28 | 70 | 111 | 135 | 155 | 150 | 5 |
| 0 | 0 | 18 | 52 | 79 | 122 | 115 | 6 |
| 0 | 24 | 64 | 111 | 142 | 145 | 140 | 6 |
| 0 | 0 | 0 | 7 | 19 | 38 | 35 | 6 |
| 0 | 21 | 60 | 99 | 120 | 134 | 127 | 6 |
| 0 | 0 | 0 | 7 | 27 | 55 | 41 | 6 |
| 0 | 16 | 50 | 93 | 115 | 133 | 128 | 6 |
| 0 | 19 | 45 | 83 | 113 | 128 | 116 | 6 |
| 0 | 27 | 69 | 111 | 136 | 141 | 140 | 6 |
| 0 | 7 | 30 | 68 | 98 | 133 | 130 | 6 |
| 0 | 2 | 16 | 48 | 77 | 102 | 90 | 6 |
| 0 | 5 | 27 | 53 | 85 | 115 | 105 | 6 |
| 0 | 19 | 49 | 71 | 77 | 96 | 115 | 6 |
| 88 | 87 | 98</ | | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRCB-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 6, SWP LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-519A/ELEVATION-EOP/1MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 900'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 871 | 866 | 867 |
| 1923 | 871 | 874 | 858 | 862 | 859 | 865 | 888 | 894 | 875 | 836 | 797 | 800 |
| 1924 | 789 | 777 | 770 | 775 | 794 | 781 | 763 | 750 | 728 | 707 | 697 | 691 |
| 1925 | 691 | 695 | 702 | 718 | 786 | 782 | 810 | 820 | 801 | 775 | 764 | 763 |
| 1926 | 759 | 760 | 762 | 776 | 824 | 844 | 887 | 877 | 856 | 824 | 812 | 795 |
| 1927 | 776 | 807 | 808 | 832 | 849 | 863 | 890 | 900 | 898 | 861 | 843 | 841 |
| 1928 | 838 | 848 | 849 | 861 | 871 | 849 | 878 | 870 | 849 | 799 | 745 | 738 |
| 1929 | 724 | 719 | 717 | 723 | 736 | 753 | 754 | 756 | 749 | 731 | 721 | 714 |
| 1930 | 704 | 701 | 762 | 790 | 818 | 850 | 864 | 870 | 853 | 812 | 772 | 770 |
| 1931 | 759 | 751 | 741 | 755 | 768 | 785 | 765 | 755 | 731 | 712 | 702 | 695 |
| 1932 | 689 | 684 | 689 | 714 | 736 | 772 | 775 | 803 | 782 | 761 | 752 | 746 |
| 1933 | 737 | 725 | 727 | 748 | 776 | 752 | 742 | 757 | 752 | 737 | 726 | 719 |
| 1934 | 715 | 708 | 711 | 738 | 759 | 781 | 767 | 758 | 736 | 713 | 702 | 692 |
| 1935 | 678 | 683 | 689 | 717 | 741 | 770 | 856 | 867 | 853 | 829 | 821 | 805 |
| 1936 | 798 | 788 | 776 | 825 | 849 | 860 | 886 | 897 | 888 | 849 | 826 | 823 |
| 1937 | 815 | 804 | 800 | 803 | 820 | 843 | 869 | 882 | 859 | 834 | 821 | 815 |
| 1938 | 811 | 825 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 898 | 895 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 816 | 809 | 773 | 706 | 653 | 648 |
| 1940 | 637 | 626 | 629 | 703 | 812 | 849 | 879 | 886 | 867 | 826 | 818 | 805 |
| 1941 | 798 | 799 | 841 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 885 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 878 | 874 | 875 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 891 | 854 | 843 | 843 |
| 1944 | 845 | 847 | 846 | 853 | 857 | 868 | 875 | 891 | 870 | 830 | 791 | 785 |
| 1945 | 777 | 783 | 800 | 816 | 858 | 865 | 880 | 896 | 877 | 837 | 812 | 807 |
| 1946 | 807 | 815 | 849 | 864 | 868 | 868 | 887 | 896 | 874 | 834 | 792 | 789 |
| 1947 | 773 | 779 | 787 | 793 | 821 | 843 | 846 | 841 | 825 | 766 | 727 | 720 |
| 1948 | 723 | 724 | 721 | 758 | 760 | 780 | 840 | 869 | 876 | 839 | 822 | 804 |
| 1949 | 797 | 795 | 795 | 800 | 808 | 831 | 851 | 859 | 836 | 785 | 755 | 750 |
| 1950 | 735 | 728 | 727 | 759 | 806 | 841 | 873 | 892 | 878 | 840 | 821 | 820 |
| 1951 | 824 | 849 | 854 | 853 | 858 | 870 | 880 | 894 | 880 | 839 | 803 | 803 |
| 1952 | 809 | 814 | 848 | 848 | 852 | 862 | 894 | 900 | 900 | 899 | 887 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 867 | 863 | 865 |
| 1954 | 867 | 871 | 874 | 858 | 857 | 859 | 883 | 874 | 858 | 814 | 766 | 761 |
| 1955 | 762 | 764 | 772 | 785 | 794 | 807 | 816 | 828 | 802 | 740 | 709 | 705 |
| 1956 | 696 | 693 | 846 | 849 | 849 | 864 | 892 | 900 | 900 | 871 | 867 | 871 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 857 | 876 | 860 | 821 | 782 | 787 |
| 1958 | 789 | 793 | 815 | 836 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 867 | 870 | 849 | 800 | 748 | 752 |
| 1960 | 743 | 731 | 726 | 741 | 803 | 847 | 845 | 851 | 832 | 783 | 770 | 764 |
| 1961 | 753 | 756 | 765 | 776 | 806 | 828 | 826 | 831 | 811 | 748 | 704 | 700 |
| 1962 | 684 | 681 | 690 | 705 | 770 | 806 | 827 | 830 | 813 | 753 | 731 | 710 |
| 1963 | 785 | 798 | 830 | 853 | 867 | 858 | 876 | 900 | 891 | 855 | 837 | 838 |
| 1964 | 839 | 850 | 853 | 863 | 872 | 874 | 879 | 879 | 864 | 823 | 773 | 742 |
| 1965 | 727 | 728 | 849 | 849 | 863 | 870 | 887 | 889 | 891 | 855 | 847 | 848 |
| 1966 | 852 | 859 | 860 | 864 | 870 | 874 | 894 | 886 | 866 | 825 | 778 | 771 |
| 1967 | 757 | 768 | 806 | 849 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 856 | 860 | 841 | 790 | 756 | 753 |
| 1969 | 755 | 760 | 783 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 864 | 866 | 852 | 810 | 777 | 779 |
| 1971 | 781 | 808 | 839 | 864 | 874 | 874 | 892 | 900 | 900 | 869 | 846 | 848 |
| 1972 | 853 | 859 | 865 | 869 | 867 | 874 | 882 | 886 | 866 | 826 | 780 | 781 |
| 1973 | 777 | 792 | 819 | 849 | 849 | 860 | 882 | 900 | 870 | 830 | 814 | 810 |
| 1974 | 814 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 887 | 886 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 874 | 873 | 874 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 867 | 860 | 838 | 792 | 765 | 765 |
| 1977 | 756 | 748 | 732 | 728 | 713 | 707 | 668 | 657 | 628 | 605 | 595 | 592 |
| 1978 | 581 | 581 | 618 | 745 | 798 | 859 | 878 | 897 | 892 | 871 | 862 | 869 |
| 1979 | 872 | 874 | 874 | 871 | 853 | 863 | 876 | 894 | 864 | 825 | 813 | 810 |
| 1980 | 817 | 821 | 829 | 850 | 849 | 865 | 881 | 893 | 888 | 870 | 863 | 862 |
| 1981 | 861 | 862 | 870 | 860 | 868 | 865 | 869 | 867 | 845 | 797 | 758 | 758 |
| 1982 | 763 | 845 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 887 | 884 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 890 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 881 | 890 | 873 | 835 | 822 | 823 |
| 1985 | 827 | 841 | 851 | 857 | 870 | 871 | 886 | 875 | 853 | 809 | 758 | 739 |
| 1986 | 729 | 725 | 732 | 768 | 849 | 849 | 871 | 875 | 871 | 843 | 830 | 841 |
| 1987 | 843 | 849 | 847 | 848 | 859 | 867 | 856 | 846 | 819 | 758 | 713 | 708 |
| 1988 | 695 | 698 | 737 | 765 | 768 | 768 | 767 | 760 | 738 | 718 | 705 | 703 |
| 1989 | 694 | 713 | 723 | 730 | 730 | 843 | 868 | 863 | 845 | 800 | 791 | 788 |
| 1990 | 794 | 795 | 778 | 792 | 799 | 824 | 804 | 804 | 779 | 730 | 717 | 711 |
| 1991 | 693 | 685 | 669 | 667 | 654 | 706 | 717 | 732 | 717 | 698 | 691 | 690 |
| 1992 | 686 | 683 | 684 | 687 | 719 | 749 | 764 | 754 | 726 | 701 | 689 | 683 |
| 1993 | 675 | 669 | 687 | 756 | 808 | 861 | 894 | 900 | 900 | 873 | 869 | 868 |
| 1994 | 873 | 874 | 874 | 871 | 862 | 874 | 867 | 864 | 842 | 799 | 752 | 746 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 29 | 34 | 33 |
| 35 | 12 | 6 | 25 | 64 | 103 | 100 |
| 119 | 137 | 150 | 172 | 193 | 203 | 209 |
| 118 | 90 | 80 | 99 | 125 | 136 | 137 |
| 56 | 13 | 23 | 44 | 76 | 88 | 105 |
| 37 | 10 | 0 | 2 | 39 | 57 | 59 |
| 51 | 22 | 30 | 51 | 101 | 155 | 162 |
| 147 | 146 | 144 | 151 | 169 | 179 | 186 |
| 50 | 36 | 30 | 47 | 88 | 128 | 130 |
| 115 | 135 | 145 | 169 | 188 | 198 | 205 |
| 128 | 125 | 97 | 118 | 139 | 148 | 154 |
| 148 | 158 | 143 | 148 | 163 | 174 | 181 |
| 199 | 133 | 142 | 164 | 187 | 198 | 208 |
| 130 | 44 | 33 | 47 | 71 | 79 | 95 |
| 40 | 14 | 3 | 12 | 51 | 74 | 77 |
| 57 | 31 | 18 | 41 | 66 | 79 | 85 |
| 51 | 18 | 0 | 2 | 5 | 13 | |
| 67 | 84 | 91 | 127 | 194 | 247 | 252 |
| 51 | 21 | 14 | 33 | 74 | 82 | 95 |
| 42 | 14 | 0 | 10 | 15 | 13 | |
| 33 | 18 | 0 | 22 | 26 | 25 | |
| 41 | 13 | 3 | 9 | 46 | 57 | 57 |
| 32 | 25 | 9 | 30 | 70 | 109 | 115 |
| 35 | 20 | 4 | 23 | 63 | 88 | 93 |
| 32 | 13 | 4 | 26 | 66 | 108 | 111 |
| 57 | 54 | 59 | 75 | 134 | 173 | 180 |
| 120 | 60 | 31 | 24 | 61 | 78 | 96 |
| 69 | 49 | 41 | 64 | 115 | 145 | 150 |
| 59 | 27 | 8 | 22 | 60 | 79 | 80 |
| 30 | 20 | 6 | 20 | 61 | 97 | 97 |
| 38 | 6 | 0 | 0 | 1 | 13 | |
| 33 | 17 | 0 | 0 | 33 | 37 | 35 |
| 41 | 17 | 26 | 42 | 86 | 134 | 139 |
| 93 | 84 | 72 | 98 | 160 | 191 | 195 |
| 36 | 8 | 0 | 0 | 29 | 33 | 29 |
| 37 | 43 | 24 | 40 | 79 | 118 | 113 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 33 | 30 | 51 | 100 | 152 | 148 |
| 53 | 55 | 49 | 68 | 117 | 130 | 136 |
| 72 | 74 | 69 | 89 | 152 | 196 | 200 |
| 94 | 73 | 70 | 87 | 147 | 169 | 190 |
| 42 | 24 | 0 | 9 | 45 | 63 | 62 |
| 26 | 21 | 21 | 36 | 77 | 127 | 158 |
| 30 | 13 | 11 | 9 | 45 | 53 | 52 |
| 26 | 6 | 14 | 34 | 75 | 122 | 129 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 44 | 40 | 59 | 110 | 144 | 147 |
| 35 | 5 | 0 | 5 | 7 | 26 | |
| 26 | 36 | 34 | 48 | 90 | 123 | 121 |
| 26 | 8 | 0 | 0 | 31 | 54 | 52 |
| 26 | 18 | 14 | 34 | 74 | 120 | 119 |
| 40 | 18 | 0 | 30 | 70 | 86 | 90 |
| 51 | 17 | 0 | 0 | 13 | 14 | 14 |
| 48 | 19 | 0 | 0 | 26 | 27 | 26 |
| 26 | 33 | 40 | 62 | 108 | 135 | 135 |
| 193 | 232 | 243 | 272 | 295 | 305 | 308 |
| 41 | 22 | 3 | 8 | 29 | 38 | 31 |
| 37 | 24 | 6 | 36 | 75 | 87 | 90 |
| 35 | 19 | 7 | 12 | 30 | 37 | 38 |
| 35 | 31 | 33 | 55 | 103 | 142 | 142 |
| 41 | 16 | 0 | 0 | 13 | 16 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 19 | 10 | 27 | 65 | 78 | 77 |
| 29 | 14 | 25 | 47 | 91 | 142 | 161 |
| 51 | 29 | 25 | 29 | 57 | 70 | 59 |
| 33 | 44 | 54 | 81 | 142 | 187 | 192 |
| 132 | 133 | 14 | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRCB-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 8, CVP FOLSOM L EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-519A/8/ELEVATION-EOP//1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 466'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index =

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 419 | 421 | 449 | 466 | 451 | 428 | 414 | 410 |
| 1924 | 405 | 399 | 393 | 383 | 380 | 361 | 351 | 353 | 334 | 334 | 337 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 424 | 409 | 440 | 464 | 444 | 424 | 410 | 405 |
| 1926 | 398 | 393 | 391 | 384 | 406 | 406 | 439 | 436 | 402 | 341 | 335 | 348 |
| 1927 | 356 | 398 | 419 | 424 | 424 | 437 | 449 | 466 | 461 | 452 | 447 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 454 | 435 | 409 | 399 | 399 |
| 1929 | 386 | 378 | 373 | 360 | 365 | 376 | 388 | 399 | 392 | 376 | 382 | 384 |
| 1930 | 372 | 367 | 397 | 411 | 422 | 437 | 443 | 442 | 416 | 387 | 356 | 361 |
| 1931 | 351 | 362 | 372 | 385 | 392 | 403 | 390 | 392 | 338 | 334 | 335 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 426 | 429 | 450 | 429 | 385 | 384 | 387 |
| 1933 | 368 | 336 | 349 | 352 | 339 | 366 | 337 | 372 | 356 | 334 | 351 | 346 |
| 1934 | 335 | 334 | 375 | 402 | 420 | 427 | 415 | 415 | 349 | 333 | 323 | 334 |
| 1935 | 334 | 361 | 378 | 402 | 416 | 418 | 449 | 454 | 453 | 437 | 423 | 417 |
| 1936 | 414 | 408 | 402 | 424 | 424 | 437 | 449 | 461 | 456 | 447 | 441 | 434 |
| 1937 | 425 | 417 | 411 | 404 | 424 | 437 | 449 | 466 | 455 | 443 | 436 | 433 |
| 1938 | 425 | 422 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 412 | 416 | 381 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 419 | 424 | 437 | 449 | 461 | 448 | 430 | 421 | 422 |
| 1941 | 417 | 412 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 445 | 441 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 410 | 384 | 357 | 367 |
| 1945 | 360 | 390 | 411 | 424 | 424 | 437 | 448 | 465 | 454 | 442 | 435 | 433 |
| 1946 | 426 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 447 | 432 | 426 | 425 |
| 1947 | 421 | 422 | 421 | 413 | 419 | 437 | 445 | 442 | 412 | 374 | 335 | 334 |
| 1948 | 352 | 370 | 375 | 401 | 396 | 390 | 429 | 455 | 455 | 447 | 441 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 443 | 460 | 439 | 422 | 412 | 410 |
| 1950 | 403 | 400 | 395 | 423 | 424 | 437 | 449 | 466 | 455 | 443 | 439 | 434 |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 446 | 466 | 450 | 434 | 428 | 428 |
| 1952 | 422 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 449 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 420 | 437 | 449 | 452 | 435 | 414 | 410 | 413 |
| 1955 | 407 | 404 | 412 | 420 | 420 | 410 | 420 | 438 | 417 | 393 | 370 | 362 |
| 1956 | 336 | 357 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 430 | 456 | 447 | 433 | 428 | 427 |
| 1958 | 423 | 418 | 419 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 425 | 431 | 433 | 408 | 382 | 360 | 374 |
| 1960 | 368 | 360 | 354 | 375 | 420 | 437 | 447 | 446 | 425 | 402 | 389 | 391 |
| 1961 | 389 | 392 | 395 | 394 | 402 | 410 | 416 | 424 | 408 | 389 | 378 | 379 |
| 1962 | 380 | 382 | 389 | 390 | 424 | 431 | 445 | 453 | 443 | 425 | 415 | 412 |
| 1963 | 441 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 453 | 448 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 418 | 410 | 421 | 435 | 410 | 361 | 334 | 335 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 414 | 449 | 463 | 453 | 446 | 443 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 448 | 448 | 423 | 400 | 387 | 388 |
| 1967 | 389 | 402 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 436 | 437 | 412 | 386 | 386 | 390 |
| 1969 | 396 | 404 | 417 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 427 | 437 | 425 | 408 | 405 | 409 |
| 1971 | 403 | 416 | 424 | 424 | 423 | 437 | 441 | 460 | 460 | 458 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 441 | 448 | 427 | 405 | 396 | 401 |
| 1973 | 401 | 406 | 420 | 424 | 424 | 437 | 449 | 466 | 452 | 435 | 429 | 430 |
| 1974 | 423 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 392 | 397 | 402 | 369 | 334 | 335 | 335 |
| 1977 | 334 | 334 | 330 | 325 | 321 | 323 | 333 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 286 | 304 | 358 | 424 | 424 | 437 | 449 | 466 | 459 | 453 | 444 | 434 |
| 1979 | 423 | 417 | 411 | 418 | 424 | 437 | 446 | 466 | 447 | 429 | 421 | 419 |
| 1980 | 416 | 414 | 414 | 405 | 399 | 430 | 449 | 464 | 453 | 453 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 430 | 432 | 406 | 383 | 371 | 377 |
| 1982 | 386 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 439 | 462 | 449 | 437 | 431 | 430 |
| 1985 | 424 | 424 | 424 | 420 | 422 | 428 | 443 | 443 | 409 | 364 | 334 | 343 |
| 1986 | 340 | 369 | 399 | 424 | 396 | 424 | 449 | 464 | 458 | 453 | 448 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 412 | 415 | 382 | 334 | 321 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 389 | 387 | 390 | 389 | 350 | 321 | 305 | 372 |
| 1989 | 358 | 378 | 393 | 403 | 396 | 437 | 449 | 453 | 431 | 408 | 403 | 407 |
| 1990 | 404 | 403 | 399 | 399 | 397 | 409 | 410 | 413 | 380 | 334 | 343 | 344 |
| 1991 | 334 | 334 | 335 | 332 | 332 | 383 | 407 | 425 | 414 | 409 | 404 | 404 |
| 1992 | 397 | 385 | 375 | 361 | 389 | 407 | 409 | 408 | 374 | 334 | 323 | 317 |
| 1993 | 316 | 315 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 456 | 449 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 388 | 394 | 400 | 374 | 334 | 334 | 332 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 17 | 32 |
| 45 | 17 | 0 | 15 | 38 | 52 | 56 |
| 105 | 115 | 113 | 132 | 132 | 129 | 132 |
| 57 | 26 | 2 | 22 | 42 | 56 | 61 |
| 60 | 27 | 30 | 64 | 125 | 131 | 118 |
| 29 | 17 | 0 | 5 | 14 | 19 | 32 |
| 437 | 449 | 12 | 31 | 57 | 67 | 67 |
| 90 | 78 | 67 | 74 | 90 | 84 | 82 |
| 29 | 23 | 24 | 50 | 79 | 110 | 105 |
| 63 | 76 | 74 | 128 | 132 | 131 | 132 |
| 40 | 37 | 16 | 37 | 81 | 82 | 79 |
| 100 | 129 | 94 | 110 | 132 | 115 | 120 |
| 39 | 51 | 51 | 117 | 133 | 143 | 132 |
| 48 | 17 | 12 | 13 | 29 | 43 | 49 |
| 29 | 17 | 5 | 10 | 19 | 25 | 32 |
| 29 | 17 | 0 | 11 | 23 | 30 | 33 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 57 | 54 | 50 | 85 | 132 | 132 | 131 |
| 29 | 17 | 5 | 18 | 36 | 45 | 44 |
| 29 | 17 | 0 | 8 | 11 | 17 | 32 |
| 36 | 17 | 0 | 0 | 3 | 17 | 32 |
| 32 | 17 | 7 | 15 | 21 | 25 | 32 |
| 47 | 46 | 33 | 56 | 82 | 109 | 99 |
| 29 | 18 | 1 | 12 | 24 | 31 | 33 |
| 29 | 17 | 0 | 19 | 34 | 40 | 41 |
| 29 | 21 | 24 | 54 | 92 | 131 | 132 |
| 76 | 37 | 11 | 11 | 19 | 25 | 32 |
| 44 | 23 | 6 | 27 | 44 | 54 | 56 |
| 29 | 17 | 0 | 11 | 23 | 27 | 32 |
| 40 | 20 | 0 | 16 | 32 | 38 | 38 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 36 | 20 | 8 | 2 | 3 | 17 | 32 |
| 29 | 17 | 14 | 31 | 52 | 56 | 53 |
| 56 | 46 | 28 | 49 | 73 | 96 | 104 |
| 41 | 25 | 0 | 0 | 3 | 17 | 32 |
| 29 | 36 | 10 | 19 | 33 | 38 | 39 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 41 | 35 | 33 | 58 | 84 | 106 | 92 |
| 29 | 19 | 20 | 41 | 64 | 77 | 75 |
| 56 | 50 | 42 | 58 | 77 | 88 | 87 |
| 35 | 21 | 13 | 23 | 41 | 51 | 54 |
| 36 | 17 | 0 | 7 | 13 | 18 | 32 |
| 56 | 45 | 31 | 56 | 105 | 132 | 131 |
| 52 | 17 | 3 | 13 | 20 | 23 | 32 |
| 36 | 18 | 18 | 43 | 66 | 79 | 78 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 29 | 30 | 29 | 54 | 80 | 80 | 76 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 40 | 39 | 29 | 41 | 58 | 61 | 57 |
| 29 | 25 | 6 | 6 | 8 | 17 | 32 |
| 29 | 25 | 18 | 39 | 61 | 70 | 65 |
| 29 | 17 | 0 | 14 | 31 | 37 | 36 |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 |
| 29 | 25 | 0 | 0 | 3 | 17 | 32 |
| 74 | 69 | 64 | 97 | 132 | 131 | 131 |
| 143 | 133 | 125 | 132 | 147 | 161 | 175 |
| 29 | 17 | 0 | 7 | 13 | 22 | 32 |
| 29 | 20 | 0 | 19 | 37 | 45 | 47 |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 |
| 42 | 27 | 4 | 17 | 29 | 35 | 36 |
| 38 | 23 | | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRCB-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-519A/10/ELEVATION-EOP//1MON/OUTPUT/

73 - year maximum March - January Reservoir Elevation = 1088'

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
Reservoir
Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 939 | 941 | 945 | 949 | 962 | 971 | 970 | 998 | 1022 | 1015 | 1005 | 999 |
| 1923 | 998 | 1000 | 1006 | 1013 | 1018 | 1021 | 1023 | 1038 | 1040 | 1033 | 1021 | 1016 |
| 1924 | 1015 | 1016 | 1019 | 1021 | 1023 | 1023 | 1018 | 1010 | 999 | 990 | 983 | 980 |
| 1925 | 979 | 981 | 983 | 986 | 1000 | 1008 | 1010 | 1023 | 1026 | 1020 | 1011 | 1006 |
| 1926 | 1005 | 1006 | 1007 | 1009 | 1015 | 1019 | 1021 | 1016 | 1005 | 994 | 984 | 978 |
| 1927 | 977 | 979 | 986 | 992 | 1005 | 1012 | 1019 | 1031 | 1037 | 1028 | 1017 | 1013 |
| 1928 | 1012 | 1017 | 1020 | 1022 | 1027 | 1045 | 1046 | 1054 | 1047 | 1035 | 1027 | 1022 |
| 1929 | 1021 | 1023 | 1025 | 1026 | 1028 | 1029 | 1026 | 1023 | 1014 | 1005 | 998 | 994 |
| 1930 | 994 | 995 | 996 | 999 | 1002 | 1008 | 1008 | 1004 | 1000 | 989 | 980 | 973 |
| 1931 | 972 | 975 | 977 | 979 | 981 | 982 | 978 | 969 | 957 | 945 | 938 | 933 |
| 1932 | 931 | 933 | 939 | 942 | 955 | 961 | 959 | 978 | 991 | 982 | 971 | 964 |
| 1933 | 963 | 964 | 967 | 968 | 970 | 971 | 965 | 960 | 957 | 944 | 934 | 928 |
| 1934 | 927 | 929 | 932 | 935 | 939 | 945 | 939 | 928 | 913 | 896 | 883 | 875 |
| 1935 | 871 | 871 | 873 | 878 | 883 | 891 | 905 | 934 | 946 | 935 | 921 | 911 |
| 1936 | 908 | 911 | 915 | 926 | 947 | 957 | 967 | 987 | 994 | 982 | 968 | 961 |
| 1937 | 960 | 962 | 964 | 967 | 978 | 991 | 990 | 1008 | 1011 | 1001 | 991 | 984 |
| 1938 | 982 | 984 | 985 | 1003 | 1020 | 1041 | 1055 | 1083 | 1088 | 1087 | 1079 | 1075 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1043 | 1033 | 1024 | 1017 | 1012 |
| 1940 | 1011 | 1011 | 1012 | 1022 | 1036 | 1052 | 1059 | 1074 | 1074 | 1065 | 1056 | 1051 |
| 1941 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1073 | 1081 | 1076 | 1068 | 1063 |
| 1942 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1060 | 1076 | 1088 | 1087 | 1078 | 1074 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1066 | 1075 | 1090 | 1074 | 1065 | 1060 |
| 1944 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1049 | 1049 | 1045 | 1035 | 1027 | 1021 |
| 1945 | 1021 | 1025 | 1028 | 1032 | 1045 | 1052 | 1052 | 1063 | 1071 | 1065 | 1056 | 1051 |
| 1946 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1060 | 1071 | 1070 | 1061 | 1052 | 1048 |
| 1947 | 1048 | 1050 | 1050 | 1050 | 1050 | 1054 | 1050 | 1045 | 1036 | 1025 | 1018 | 1014 |
| 1948 | 1014 | 1015 | 1016 | 1017 | 1019 | 1021 | 1021 | 1025 | 1034 | 1025 | 1017 | 1013 |
| 1949 | 1012 | 1014 | 1016 | 1017 | 1019 | 1023 | 1023 | 1027 | 1023 | 1012 | 1005 | 1001 |
| 1950 | 999 | 999 | 1000 | 1005 | 1012 | 1018 | 1020 | 1034 | 1038 | 1029 | 1022 | 1018 |
| 1951 | 1016 | 1043 | 1050 | 1050 | 1050 | 1055 | 1058 | 1064 | 1060 | 1050 | 1041 | 1036 |
| 1952 | 1035 | 1037 | 1042 | 1050 | 1050 | 1055 | 1062 | 1088 | 1088 | 1088 | 1080 | 1075 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1054 | 1054 | 1061 | 1056 | 1049 | 1045 |
| 1954 | 1044 | 1046 | 1048 | 1050 | 1050 | 1055 | 1059 | 1068 | 1063 | 1054 | 1047 | 1042 |
| 1955 | 1041 | 1043 | 1045 | 1049 | 1050 | 1052 | 1048 | 1044 | 1041 | 1031 | 1023 | 1018 |
| 1956 | 1017 | 1019 | 1043 | 1050 | 1050 | 1055 | 1059 | 1076 | 1088 | 1084 | 1075 | 1071 |
| 1957 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1053 | 1058 | 1061 | 1053 | 1046 | 1040 |
| 1958 | 1037 | 1039 | 1040 | 1046 | 1050 | 1055 | 1066 | 1088 | 1088 | 1084 | 1076 | 1071 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1050 | 1041 | 1032 | 1022 | 1015 | 1011 |
| 1960 | 1010 | 1012 | 1013 | 1015 | 1019 | 1025 | 1023 | 1017 | 1009 | 998 | 991 | 983 |
| 1961 | 978 | 982 | 985 | 986 | 989 | 991 | 987 | 980 | 968 | 956 | 949 | 944 |
| 1962 | 943 | 944 | 946 | 947 | 957 | 962 | 964 | 970 | 973 | 962 | 953 | 946 |
| 1963 | 945 | 947 | 950 | 957 | 974 | 980 | 979 | 1003 | 1011 | 1003 | 993 | 987 |
| 1964 | 986 | 990 | 993 | 997 | 1000 | 1002 | 998 | 994 | 986 | 972 | 963 | 956 |
| 1965 | 954 | 957 | 986 | 1007 | 1018 | 1025 | 1034 | 1047 | 1057 | 1052 | 1043 | 1039 |
| 1966 | 1037 | 1041 | 1045 | 1050 | 1050 | 1053 | 1052 | 1055 | 1045 | 1034 | 1027 | 1021 |
| 1967 | 1020 | 1021 | 1030 | 1039 | 1046 | 1055 | 1062 | 1084 | 1088 | 1088 | 1080 | 1075 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1051 | 1048 | 1039 | 1029 | 1021 | 1015 |
| 1969 | 1015 | 1018 | 1020 | 1048 | 1050 | 1055 | 1071 | 1088 | 1088 | 1087 | 1078 | 1072 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1054 | 1060 | 1061 | 1051 | 1042 | 1037 |
| 1971 | 1036 | 1040 | 1046 | 1050 | 1050 | 1055 | 1055 | 1061 | 1065 | 1059 | 1052 | 1048 |
| 1972 | 1047 | 1050 | 1050 | 1050 | 1050 | 1055 | 1051 | 1055 | 1047 | 1036 | 1029 | 1024 |
| 1973 | 1024 | 1026 | 1029 | 1040 | 1050 | 1055 | 1055 | 1069 | 1072 | 1062 | 1052 | 1048 |
| 1974 | 1047 | 1050 | 1050 | 1050 | 1050 | 1055 | 1064 | 1080 | 1086 | 1079 | 1069 | 1065 |
| 1975 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1063 | 1077 | 1071 | 1062 | 1057 |
| 1976 | 1050 | 1050 | 1050 | 1050 | 1050 | 1051 | 1046 | 1039 | 1028 | 1019 | 1013 | 1008 |
| 1977 | 1007 | 1008 | 1009 | 1009 | 1009 | 1008 | 1003 | 997 | 989 | 977 | 970 | 965 |
| 1978 | 962 | 962 | 964 | 973 | 983 | 1000 | 1006 | 1020 | 1030 | 1028 | 1018 | 1015 |
| 1979 | 1014 | 1016 | 1019 | 1026 | 1037 | 1050 | 1050 | 1064 | 1061 | 1051 | 1041 | 1036 |
| 1980 | 1036 | 1038 | 1040 | 1050 | 1050 | 1055 | 1061 | 1070 | 1080 | 1080 | 1071 | 1066 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1051 | 1045 | 1033 | 1022 | 1016 | 1012 |
| 1982 | 1012 | 1018 | 1032 | 1050 | 1050 | 1055 | 1071 | 1088 | 1088 | 1087 | 1079 | 1075 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1077 | 1088 | 1088 | 1083 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1061 | 1060 | 1053 | 1046 | 1042 |
| 1985 | 1042 | 1046 | 1050 | 1050 | 1050 | 1054 | 1052 | 1050 | 1040 | 1030 | 1024 | 1020 |
| 1986 | 1020 | 1022 | 1025 | 1033 | 1050 | 1055 | 1060 | 1068 | 1074 | 1066 | 1058 | 1056 |
| 1987 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1047 | 1038 | 1027 | 1019 | 1015 | 1012 |
| 1988 | 1010 | 1010 | 1010 | 1011 | 1012 | 1014 | 1009 | 1002 | 994 | 986 | 982 | 977 |
| 1989 | 975 | 974 | 975 | 975 | 977 | 988 | 986 | 981 | 973 | 961 | 955 | 952 |
| 1990 | 953 | 956 | 959 | 961 | 964 | 968 | 961 | 949 | 937 | 925 | 919 | 912 |
| 1991 | 909 | 910 | 914 | 914 | 915 | 922 | 917 | 911 | 895 | 876 | 866 | 861 |
| 1992 | 861 | 862 | 867 | 870 | 878 | 886 | 878 | 860 | 841 | 823 | 813 | 805 |
| 1993 | 806 | 810 | 815 | 832 | 824 | 969 | 977 | 989 | 997 | 987 | 975 | 971 |
| 1994 | 969 | 970 | 973 | 973 | 973 | 978 | 974 | 970 | 960 | 948 | 941 | 938 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 126 | 117 | 118 | 90 | 66 | 73 | 83 |
| 70 | 67 | 65 | 50 | 48 | 55 | 67 |
| 65 | 65 | 70 | 78 | 89 | 98 | 105 |
| 88 | 80 | 78 | 65 | 62 | 68 | 77 |
| 73 | 69 | 67 | 72 | 83 | 94 | 104 |
| 83 | 76 | 69 | 57 | 51 | 60 | 71 |
| 61 | 43 | 42 | 34 | 41 | 53 | 61 |
| 60 | 59 | 62 | 65 | 74 | 83 | 90 |
| 86 | 80 | 80 | 84 | 88 | 99 | 108 |
| 107 | 106 | 110 | 119 | 131 | 143 | 150 |
| 133 | 127 | 129 | 110 | 97 | 106 | 117 |
| 118 | 117 | 123 | 128 | 131 | 144 | 154 |
| 149 | 143 | 149 | 160 | 175 | 192 | 205 |
| 205 | 197 | 183 | 154 | 142 | 153 | 167 |
| 141 | 131 | 121 | 101 | 94 | 106 | 120 |
| 110 | 97 | 98 | 80 | 77 | 87 | 97 |
| 68 | 47 | 33 | 5 | 0 | 1 | 9 |
| 38 | 36 | 38 | 45 | 55 | 64 | 71 |
| 52 | 36 | 29 | 14 | 14 | 23 | 32 |
| 38 | 33 | 32 | 15 | 7 | 12 | 20 |
| 141 | 143 | 149 | 160 | 175 | 192 | 205 |
| 38 | 33 | 32 | 13 | 8 | 14 | 23 |
| 38 | 35 | 39 | 39 | 43 | 53 | 61 |
| 43 | 36 | 36 | 25 | 17 | 23 | 32 |
| 38 | 34 | 28 | 17 | 12 | 27 | 36 |
| 38 | 34 | 38 | 43 | 52 | 63 | 70 |
| 69 | 67 | 67 | 63 | 54 | 63 | 71 |
| 69 | 65 | 65 | 61 | 65 | 76 | 83 |
| 76 | 70 | 68 | 54 | 50 | 59 | 66 |
| 38 | 33 | 30 | 24 | 28 | 38 | 47 |
| 38 | 33 | 26 | 0 | 0 | 0 | 8 |
| 38 | 34 | 34 | 34 | 27 | 32 | 39 |
| 38 | 33 | 29 | 20 | 25 | 34 | 41 |
| 38 | 36 | 40 | 44 | 47 | 57 | 65 |
| 38 | 33 | 29 | 12 | 0 | 4 | 13 |
| 38 | 33 | 35 | 30 | 27 | 35 | 42 |
| 38 | 33 | 22 | 0 | 0 | 4 | 12 |
| 38 | 35 | 38 | 47 | 56 | 66 | 73 |
| 69 | 63 | 65 | 71 | 79 | 90 | 97 |
| 99 | 97 | 101 | 108 | 120 | 132 | 139 |
| 131 | 126 | 124 | 118 | 115 | 126 | 135 |
| 114 | 108 | 109 | 85 | 77 | 85 | 95 |
| 88 | 86 | 90 | 94 | 102 | 116 | 125 |
| 70 | 63 | 54 | 41 | 31 | 36 | 45 |
| 38 | 35 | 36 | 33 | 43 | 54 | 61 |
| 42 | 33 | 26 | 4 | 0 | 0 | 8 |
| 38 | 34 | 37 | 40 | 49 | 59 | 67 |
| 38 | 33 | 17 | 0 | 0 | 1 | 10 |
| 38 | 33 | 34 | 28 | 27 | 37 | 46 |
| 38 | 33 | 33 | 27 | 23 | 29 | 36 |
| 38 | | | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRCB-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-519A/81/ELEVATION-EOP/11MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|----|-----|-----|-----|-----|---|---|---|---|---|---|----|-----|-----|
| 1922 | 599 | 582 | 580 | 601 | 656 | 690 | 699 | 725 | 782 | 779 | 763 | 752 | 142 | 133 | 107 | 50 | 53 | 69 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 9 | 26 | 57 | -3 | -16 | -11 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 |
| 1923 | 746 | 745 | 749 | 761 | 776 | 784 | 788 | 792 | 801 | 795 | 780 | 770 | 48 | 44 | 40 | 31 | 37 | 52 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 4 | 4 | 9 | -6 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 |
| 1924 | 764 | 762 | 757 | 755 | 756 | 754 | 749 | 744 | 736 | 724 | 710 | 701 | 78 | 83 | 88 | 96 | 108 | 122 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -2 | -5 | -5 | -8 | -12 | -14 | -9 | 5 | 5 | 5 | 4 | 3 | 3 | 4 | 29 | 203 |
| 1925 | 698 | 699 | 699 | 703 | 725 | 741 | 755 | 768 | 786 | 777 | 761 | 751 | 91 | 77 | 64 | 46 | 55 | 71 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 14 | 13 | 18 | -9 | -16 | -10 | 6 | 6 | 6 | 6 | 4 | 2 | 4 | 34 | 238 |
| 1926 | 745 | 742 | 738 | 737 | 746 | 751 | 765 | 778 | 775 | 761 | 746 | 736 | 81 | 67 | 54 | 57 | 71 | 86 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 14 | 13 | -3 | -14 | -15 | -10 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 |
| 1927 | 732 | 731 | 735 | 742 | 770 | 785 | 795 | 797 | 815 | 808 | 793 | 783 | 47 | 37 | 35 | 17 | 24 | 39 | 49 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 | 15 | 10 | 2 | 18 | -7 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 280 |
| 1928 | 777 | 777 | 778 | 781 | 789 | 800 | 802 | 819 | 819 | 804 | 789 | 779 | 32 | 30 | 13 | 13 | 28 | 43 | 53 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 11 | 11 | 2 | 17 | 0 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 |
| 1929 | 773 | 768 | 765 | 764 | 767 | 769 | 770 | 775 | 782 | 773 | 764 | 757 | 63 | 62 | 57 | 50 | 59 | 68 | 75 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 1 | 5 | 7 | -9 | -9 | -7 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1930 | 754 | 751 | 748 | 749 | 756 | 761 | 764 | 768 | 782 | 773 | 764 | 758 | 71 | 68 | 64 | 50 | 59 | 68 | 74 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 4 | 14 | -9 | -9 | -6 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1931 | 756 | 755 | 754 | 756 | 759 | 757 | 751 | 742 | 731 | 718 | 705 | 697 | 75 | 81 | 90 | 101 | 114 | 127 | 135 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -2 | -6 | -9 | -11 | -13 | -13 | -8 | 5 | 4 | 4 | 3 | 3 | 3 | 4 | 36 | 182 |
| 1932 | 694 | 691 | 700 | 716 | 750 | 764 | 765 | 772 | 790 | 785 | 770 | 760 | 68 | 67 | 60 | 42 | 47 | 62 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 1 | 7 | 18 | -5 | -15 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 252 |
| 1933 | 753 | 746 | 741 | 740 | 746 | 749 | 747 | 744 | 761 | 750 | 736 | 727 | 83 | 85 | 88 | 71 | 82 | 96 | 105 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -2 | -3 | 17 | -11 | -14 | -9 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 |
| 1934 | 720 | 719 | 717 | 720 | 730 | 738 | 737 | 733 | 730 | 715 | 700 | 692 | 94 | 95 | 99 | 102 | 117 | 132 | 140 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | -1 | -4 | -3 | -15 | -15 | -8 | 6 | 5 | 5 | 5 | 3 | 3 | 4 | 31 | 217 |
| 1935 | 688 | 688 | 689 | 700 | 720 | 733 | 754 | 764 | 791 | 779 | 764 | 752 | 99 | 78 | 68 | 41 | 53 | 68 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 21 | 10 | 27 | -12 | -15 | -12 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 231 |
| 1936 | 746 | 744 | 739 | 744 | 781 | 796 | 802 | 820 | 832 | 823 | 808 | 798 | 36 | 30 | 12 | 0 | 9 | 24 | 34 | 1 | 1 | 1 | 3 | 6 | 4 | 1 | 17 | 15 | 6 | 18 | 12 | -9 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 595 |
| 1937 | 792 | 786 | 782 | 785 | 800 | 800 | 802 | 816 | 832 | 819 | 805 | 795 | 32 | 30 | 16 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 15 | 0 | 2 | 14 | 16 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 510 | |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 | 32 | 32 | 28 | 1 | 0 | 13 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 18 | 0 | 0 | 4 | 27 | 1 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 648 | |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 800 | 787 | 774 | 766 | 32 | 30 | 28 | 32 | 45 | 58 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 2 | -4 | -13 | -13 | -8 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 |
| 1940 | 764 | 764 | 761 | 774 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 | 32 | 30 | 16 | 3 | 18 | 33 | 43 | 1 | 1 | 2 | 5 | 2 | 1 | 13 | 0 | 2 | 14 | 13 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 442 | |
| 1941 | 784 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 | 32 | 32 | 20 | 0 | 1 | 15 | 24 | 1 | 1 | 1 | 6 | 5 | 2 | 17 | 0 | 0 | 12 | 20 | -1 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 612 | |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 | 32 | 30 | 25 | 1 | 0 | 14 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 18 | 0 | 2 | 5 | 24 | 1 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 666 | |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 822 | 832 | 824 | 810 | 799 | 32 | 30 | 10 | 0 | 8 | 22 | 33 | 1 | 1 | 1 | 3 | 6 | 4 | 1 | 17 | 0 | 2 | 20 | 10 | -8 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 578 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 802 | 809 | 816 | 803 | 788 | 778 | 32 | 30 | 23 | 16 | 29 | 44 | 54 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 | 7 | 2 | 7 | 7 | -13 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 272 |
| 1945 | 773 | 774 | 778 | 783 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 | 32 | 30 | 25 | 1 | 7 | 22 | 33 | 1 | 1 | 1 | 5 | 4 | 1 | 14 | 0 | 2 | 5 | 24 | -6 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 476 | |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 | 32 | 30 | 26 | 20 | 36 | 52 | 63 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 4 | 6 | -16 | -16 | -11 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1947 | 763 | 763 | 765 | 769 | 776 | 781 | 778 | 783 | 777 | 764 | 750 | 743 | 51 | 54 | 49 | 55 | 68 | 82 | 89 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -3 | 5 | -6 | -13 | -14 | -7 | 6 | 5 | 6 | 4 | 3 | 3 | 4 | 31 | 217 | |
| 1948 | 740 | 739 | 738 | 739 | 740 | 741 | 737 | 747 | 772 | 762 | 744 | 734 | 91 | 95 | 85 | 60 | 70 | 88 | 98 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -4 | 10 | 25 | -10 | -18 | -10 | 6 | 5 | 6 | 6 | 4 | 2 | 4 | 33 | 231 | |
| 1949 | 728 | 722 | 717 | 716 | 723 | 733 | 740 | 749 | 756 | 739 | 720 | 707 | 99 | 92 | 83 | 76 | 93 | 112 | 125 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 10 | 7 | 9 | 7 | -17 | -19 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1950 | 700 | 694 | 688 | 694 | 713 | 725 | 734 | 747 | 763 | 748 | 730 | 719 | 107 | 98 | 85 | 69 | 84 | 102 | 113 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 9 | 13 | 16 | -15 | -18 | -11 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | |
| 1951 | 713 | 760 | 800 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 | 32 | 34 | 38 | 34 | 49 | 63 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -2 | -4 | 4 | -15 | -14 | -10 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 | |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 | 32 | 32 | 12 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 3 | 1 | 21 | 0 | 0 | 20 | 12 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 | |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 | 32 | 30 | 28 | 18 | 22 | 36 | 45 | 1 | 1 | 1 | 2 | 1 | 1 | 8 | 0 | 2 | 2 | 10 | -4 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 288 | |
| 1954 | 782 | 778 | 775 | 777 | 785 | 797 | 802 | 820 | 820 | 806 | 790 | 780 | 35 | 30 | 12 | 12 | 26 | 42 | 52 | 1 | 1 | 1 | 3 | 1 | 1 | 11 | 12 | 5 | 18 | 0 | -14 | -16 | -10 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 363 | |
| 1955 | 775 | 771 | 769 | 775 | 782 | 785 | 782 | 786 | 792 | 780 | 768 | 761 | 47 | 50 | 46 | 40 | 52 | 64 | 71 | 1 | 1 | 1 | 3 | 1 | 1 | 7 | 3 | -3 | 4 | 6 | -12 | -12 | -7 | 6 | 5 | 6 | 6 | 3 | 3 | 4 | 33 | 231 | |
| 1956 | 756 | 752 | 800 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 | 32 | 30 | 14 | 0 | 0 | 14 | 24 | 1 | 1 | 1 | 3 | 6 | 3 | 12 | 0 | 2 | 16 | 14 | 0 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 777 | |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 807 | 828 | 815 | 801 | 792 | 32 | 32 | 25 | 4 | 17 | 31 | 40 | 1 | 1 | 1 | 5 | 2 | 1 | 12 | 1 | 0 | 7 | 21 | -13 | -14 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 408 | |
| 1958 | 787 | 783 | 780 | 785 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 | 32 | 32 | 11 | 0 | 0 | 13 | 24 | 1 | 1 | 1 | 6 | 6 | 3 | 12 | 0 | 0 | 21 | 11 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 | |
| 1959 | 800 | 794 | 789 | 793 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRCB-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-519A/20/ELEVATION-EOP//1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 867'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|----|-----|-----|
| 1922 | 680 | 680 | 696 | 712 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 | 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 | 1 | 1 | 6 | 4 | 1 | 1 | 15 | 20 | 10 | 56 | 22 | -7 | -14 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 525 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 826 | 853 | 859 | 849 | 834 | 825 | 54 | 41 | 14 | 8 | 18 | 33 | 42 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 13 | 5 | 13 | 27 | 6 | -10 | -15 | -9 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 455 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 807 | 807 | 794 | 776 | 763 | 752 | 60 | 60 | 60 | 73 | 91 | 104 | 115 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 0 | 0 | -13 | -18 | -13 | -11 | 5 | 6 | 6 | 3 | 2 | 3 | 3 | 28 | 196 |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 818 | 840 | 845 | 832 | 816 | 803 | 66 | 49 | 27 | 22 | 35 | 51 | 64 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 17 | 22 | 5 | -13 | -16 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 |
| 1926 | 802 | 802 | 803 | 805 | 808 | 814 | 834 | 832 | 831 | 827 | 820 | 812 | 53 | 33 | 35 | 36 | 40 | 47 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 6 | 20 | -2 | -1 | -4 | -7 | -8 | 6 | 6 | 5 | 5 | 4 | 4 | 35 | 245 | |
| 1927 | 808 | 808 | 808 | 808 | 808 | 815 | 817 | 847 | 859 | 854 | 850 | 840 | 52 | 50 | 20 | 8 | 13 | 17 | 27 | 1 | 1 | 1 | 4 | 3 | 2 | 1 | 13 | 7 | 2 | 30 | 12 | -5 | -4 | -10 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 38 | 494 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 806 | 819 | 817 | 810 | 806 | 802 | 58 | 61 | 48 | 50 | 57 | 61 | 65 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -3 | 13 | -2 | -7 | -4 | -4 | 6 | 5 | 6 | 5 | 4 | 5 | 5 | 36 | 252 |
| 1929 | 802 | 801 | 801 | 800 | 802 | 804 | 804 | 807 | 807 | 809 | 812 | 806 | 63 | 63 | 60 | 60 | 58 | 55 | 61 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 3 | 0 | 2 | 3 | -6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 40 | 280 |
| 1930 | 805 | 804 | 803 | 803 | 803 | 799 | 802 | 803 | 807 | 810 | 813 | 811 | 68 | 65 | 64 | 60 | 57 | 54 | 56 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 3 | 1 | 4 | 3 | -2 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 40 | 280 | |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 796 | 778 | 765 | 755 | 59 | 59 | 59 | 71 | 89 | 102 | 112 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | 0 | -12 | -18 | -13 | -10 | 6 | 6 | 6 | 3 | 2 | 3 | 4 | 30 | 210 |
| 1932 | 753 | 754 | 773 | 784 | 808 | 817 | 824 | 848 | 867 | 857 | 843 | 832 | 50 | 43 | 19 | 0 | 10 | 24 | 35 | 1 | 1 | 2 | 6 | 3 | 1 | 1 | 15 | 9 | 7 | 24 | 19 | -10 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 510 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 814 | 821 | 836 | 824 | 809 | 801 | 56 | 53 | 46 | 31 | 43 | 58 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 3 | 7 | 15 | -12 | -15 | -8 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 |
| 1934 | 800 | 799 | 802 | 807 | 808 | 816 | 823 | 818 | 809 | 793 | 779 | 770 | 51 | 44 | 49 | 58 | 74 | 88 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 7 | -5 | -9 | -16 | -14 | -9 | 6 | 6 | 5 | 4 | 2 | 3 | 4 | 30 | 210 |
| 1935 | 769 | 773 | 778 | 795 | 806 | 816 | 840 | 859 | 867 | 854 | 839 | 828 | 51 | 27 | 8 | 0 | 13 | 28 | 39 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 10 | 24 | 19 | 8 | -13 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 | 47 | 27 | 8 | 2 | 14 | 29 | 40 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 8 | -12 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 | 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 12 | 14 | 25 | 8 | -14 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 | 47 | 27 | 8 | 0 | 0 | 12 | 27 | 1 | 1 | 4 | 6 | 6 | 3 | 1 | 22 | 12 | 20 | 19 | 8 | 0 | -12 | -15 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 792 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 831 | 820 | 802 | 786 | 775 | 51 | 36 | 36 | 47 | 65 | 81 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 15 | 0 | -11 | -18 | -16 | -11 | 6 | 6 | 6 | 3 | 2 | 2 | 3 | 28 | 196 |
| 1940 | 777 | 778 | 779 | 805 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 | 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 13 | 12 | 17 | 22 | 2 | -16 | -16 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 403 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 | 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 14 | 25 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 | 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 12 | 18 | 21 | 8 | -7 | -9 | -11 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | 35 | 665 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 | 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 5 | -11 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 544 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 812 | 833 | 835 | 822 | 804 | 790 | 50 | 55 | 34 | 32 | 45 | 63 | 77 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -5 | 21 | 2 | -13 | -18 | -14 | 6 | 5 | 6 | 6 | 3 | 2 | 3 | 31 | 217 |
| 1945 | 788 | 795 | 801 | 805 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 | 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 | 1 | 3 | 6 | 3 | 1 | 1 | 16 | 12 | 13 | 23 | 11 | -11 | -14 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 835 | 856 | 855 | 839 | 823 | 810 | 49 | 32 | 11 | 12 | 28 | 44 | 57 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 11 | 10 | 17 | 21 | -1 | -16 | -16 | -13 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 330 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 821 | 833 | 826 | 810 | 795 | 786 | 52 | 46 | 34 | 41 | 57 | 72 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 6 | 12 | -7 | -16 | -15 | -9 | 6 | 6 | 6 | 4 | 2 | 3 | 4 | 31 | 217 |
| 1948 | 785 | 786 | 787 | 789 | 791 | 790 | 794 | 817 | 834 | 820 | 801 | 787 | 77 | 73 | 50 | 33 | 47 | 66 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 4 | 23 | 17 | -14 | -19 | -14 | 5 | 6 | 6 | 6 | 3 | 2 | 3 | 31 | 217 |
| 1949 | 784 | 784 | 785 | 786 | 790 | 798 | 807 | 827 | 826 | 805 | 785 | 770 | 69 | 60 | 40 | 41 | 62 | 82 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 9 | 20 | -1 | -21 | -20 | -15 | 6 | 6 | 6 | 5 | 1 | 2 | 3 | 29 | 203 |
| 1950 | 767 | 766 | 766 | 774 | 787 | 790 | 805 | 825 | 826 | 806 | 786 | 771 | 77 | 62 | 42 | 41 | 61 | 81 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 15 | 20 | 1 | -20 | -20 | -15 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 |
| 1951 | 768 | 768 | 768 | 768 | 768 | 819 | 825 | 832 | 830 | 811 | 791 | 775 | 48 | 42 | 35 | 37 | 56 | 76 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 6 | 7 | -2 | -19 | -20 | -16 | 6 | 6 | 6 | 5 | 2 | 2 | 2 | 29 | 203 |
| 1952 | 772 | 773 | 786 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 | 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 20 | 19 | 8 | -3 | -12 | -12 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 700 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 813 | 811 | 818 | 804 | 784 | 769 | 58 | 54 | 56 | 49 | 63 | 83 | 98 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 4 | -2 | 7 | -14 | -20 | -15 | 6 | 6 | 5 | 6 | 3 | 2 | 3 | 31 | 217 |
| 1954 | 766 | 766 | 766 | 769 | 779 | 793 | 808 | 825 | 816 | 795 | 774 | 758 | 74 | 59 | 42 | 51 | 72 | 93 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | 15 | 17 | -9 | -21 | -21 | -19 | 6 | 6 | 6 | 4 | 1 | 1 | 2 | 26 | 182 |
| 1955 | 755 | 753 | 757 | 764 | 769 | 771 | 771 | 794 | 804 | 788 | 770 | 761 | 96 | 96 | 73 | 63 | 79 | 97 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 23 | 10 | -16 | -18 | -9 | 6 | 6 | 6 | 6 | 2 | 2 | 4 | 32 | 224 |
| 1956 | 758 | 758 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 | 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 11 | 13 | 27 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 810 | 824 | 834 | 817 | 799 | 784 | 54 | 57 | 43 | 33 | 50 | 68 | 83 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -3 | 14 | 10 | -17 | -18 | -15 | 6 | 5 | 6 | 6 | 2 | 2 | 3 | 30 | 210 |
| 1958 | 781 | 781 | 786 | 793 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 | 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | | | | | | | | | | | | | | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRBC-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 18, CVP MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRBC-519A/18/ELEVATION-EOP//IMON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 528 | 527 | 556 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 510 | 560 | 560 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 |
| 59 | 30 | 27 | 36 | 50 | 113 | 106 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 |
| 23 | 25 | 22 | 54 | 99 | 111 | 99 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 |
| 65 | 20 | 25 | 35 | 93 | 96 | 92 |
| 46 | 54 | 38 | 55 | 94 | 99 | 87 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 |
| 0 | 15 | 0 | 10 | 52 | 71 | |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 |
| 11 | 0 | 0 | 19 | 60 | 78 | |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 |
| 18 | 0 | 0 | 12 | 56 | 73 | |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 |
| 92 | 109 | 109 | 93 | 12 | 4 | 0 |
| 8 | 6 | 19 | 46 | 89 | 93 | |
| 50 | | | | | | |

Flow Alternative 7

STUDY: 1995C06F-SWRBCB-519A DWRSIM: recirc818-h, 03 Sep 97
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRBCB-519A/12/ELEVATION-EOP//1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 441 | 476 | 521 | 539 | 544 | 544 | 520 | 503 | 464 | 415 | 424 |
| 1923 | 457 | 486 | 491 | 506 | 517 | 524 | 526 | 492 | 456 | 438 | 418 | 405 |
| 1924 | 428 | 438 | 445 | 494 | 524 | 524 | 523 | 498 | 465 | 428 | 388 | 383 |
| 1925 | 382 | 394 | 440 | 472 | 520 | 530 | 539 | 509 | 476 | 438 | 390 | 385 |
| 1926 | 401 | 414 | 426 | 479 | 521 | 532 | 538 | 506 | 481 | 461 | 394 | 383 |
| 1927 | 411 | 450 | 489 | 534 | 544 | 544 | 543 | 508 | 474 | 452 | 411 | 423 |
| 1928 | 457 | 487 | 497 | 512 | 525 | 531 | 532 | 493 | 454 | 433 | 415 | 401 |
| 1929 | 413 | 437 | 464 | 511 | 537 | 543 | 537 | 517 | 488 | 451 | 414 | 409 |
| 1930 | 409 | 415 | 465 | 517 | 530 | 541 | 535 | 496 | 468 | 461 | 447 | 425 |
| 1931 | 430 | 435 | 436 | 478 | 493 | 494 | 495 | 475 | 456 | 421 | 373 | 371 |
| 1932 | 380 | 383 | 447 | 505 | 536 | 536 | 536 | 513 | 494 | 465 | 413 | 399 |
| 1933 | 420 | 428 | 433 | 481 | 504 | 511 | 520 | 501 | 468 | 428 | 378 | 374 |
| 1934 | 383 | 383 | 434 | 490 | 506 | 506 | 506 | 477 | 456 | 433 | 398 | 388 |
| 1935 | 384 | 407 | 428 | 489 | 498 | 532 | 538 | 513 | 476 | 428 | 357 | 356 |
| 1936 | 395 | 415 | 445 | 497 | 536 | 541 | 543 | 519 | 485 | 455 | 417 | 410 |
| 1937 | 430 | 445 | 470 | 519 | 537 | 544 | 544 | 541 | 511 | 463 | 412 | 401 |
| 1938 | 433 | 467 | 500 | 516 | 531 | 541 | 544 | 544 | 537 | 502 | 466 | 482 |
| 1939 | 511 | 521 | 526 | 539 | 544 | 544 | 537 | 501 | 472 | 462 | 443 | 421 |
| 1940 | 424 | 422 | 417 | 483 | 526 | 532 | 533 | 500 | 456 | 431 | 353 | 350 |
| 1941 | 389 | 422 | 460 | 513 | 534 | 538 | 535 | 532 | 517 | 465 | 421 | 441 |
| 1942 | 474 | 489 | 495 | 510 | 522 | 527 | 524 | 499 | 491 | 452 | 416 | 434 |
| 1943 | 467 | 484 | 490 | 505 | 517 | 529 | 532 | 524 | 495 | 464 | 416 | 418 |
| 1944 | 453 | 485 | 503 | 518 | 532 | 539 | 527 | 493 | 463 | 450 | 413 | 410 |
| 1945 | 418 | 456 | 492 | 519 | 535 | 541 | 534 | 501 | 464 | 443 | 406 | 394 |
| 1946 | 432 | 465 | 495 | 510 | 521 | 528 | 517 | 480 | 443 | 423 | 406 | 392 |
| 1947 | 418 | 452 | 486 | 517 | 531 | 540 | 529 | 490 | 458 | 447 | 421 | 409 |
| 1948 | 412 | 420 | 420 | 472 | 489 | 511 | 528 | 483 | 447 | 418 | 351 | 361 |
| 1949 | 387 | 413 | 445 | 493 | 516 | 544 | 531 | 491 | 455 | 433 | 402 | 389 |
| 1950 | 402 | 415 | 424 | 478 | 519 | 530 | 530 | 491 | 459 | 442 | 410 | 401 |
| 1951 | 426 | 458 | 495 | 524 | 534 | 540 | 535 | 496 | 452 | 425 | 400 | 392 |
| 1952 | 419 | 450 | 481 | 518 | 531 | 536 | 540 | 543 | 535 | 507 | 487 | 498 |
| 1953 | 505 | 514 | 518 | 532 | 542 | 544 | 537 | 497 | 472 | 450 | 406 | 425 |
| 1954 | 458 | 486 | 493 | 508 | 520 | 527 | 529 | 488 | 447 | 424 | 403 | 396 |
| 1955 | 417 | 450 | 480 | 524 | 535 | 542 | 528 | 492 | 465 | 456 | 426 | 418 |
| 1956 | 430 | 443 | 484 | 520 | 534 | 544 | 543 | 519 | 498 | 466 | 422 | 433 |
| 1957 | 460 | 486 | 496 | 510 | 524 | 530 | 531 | 493 | 462 | 445 | 423 | 413 |
| 1958 | 446 | 477 | 506 | 522 | 534 | 538 | 539 | 539 | 530 | 492 | 472 | 486 |
| 1959 | 496 | 505 | 509 | 522 | 535 | 541 | 529 | 489 | 455 | 440 | 428 | 419 |
| 1960 | 431 | 444 | 456 | 499 | 540 | 544 | 527 | 485 | 454 | 438 | 382 | 364 |
| 1961 | 380 | 415 | 445 | 491 | 536 | 544 | 526 | 485 | 455 | 445 | 421 | 404 |
| 1962 | 410 | 415 | 454 | 488 | 529 | 535 | 530 | 486 | 442 | 413 | 332 | 342 |
| 1963 | 386 | 421 | 452 | 497 | 525 | 531 | 534 | 505 | 479 | 448 | 422 | 437 |
| 1964 | 467 | 496 | 509 | 524 | 535 | 543 | 522 | 478 | 438 | 418 | 401 | 400 |
| 1965 | 404 | 435 | 471 | 522 | 534 | 541 | 543 | 512 | 479 | 460 | 421 | 428 |
| 1966 | 459 | 488 | 499 | 514 | 524 | 531 | 518 | 475 | 433 | 411 | 392 | 382 |
| 1967 | 396 | 433 | 472 | 514 | 528 | 533 | 538 | 541 | 534 | 522 | 500 | 505 |
| 1968 | 512 | 523 | 527 | 540 | 544 | 544 | 543 | 502 | 466 | 449 | 425 | 410 |
| 1969 | 422 | 453 | 487 | 523 | 536 | 544 | 544 | 544 | 537 | 514 | 484 | 499 |
| 1970 | 517 | 526 | 530 | 544 | 544 | 544 | 543 | 509 | 469 | 448 | 417 | 409 |
| 1971 | 429 | 462 | 495 | 518 | 528 | 534 | 535 | 492 | 461 | 437 | 415 | 428 |
| 1972 | 458 | 485 | 505 | 521 | 533 | 540 | 530 | 489 | 455 | 441 | 430 | 411 |
| 1973 | 435 | 467 | 499 | 525 | 536 | 542 | 541 | 514 | 482 | 459 | 417 | 415 |
| 1974 | 447 | 477 | 502 | 518 | 530 | 535 | 533 | 502 | 470 | 438 | 421 | 434 |
| 1975 | 464 | 483 | 488 | 502 | 516 | 521 | 519 | 480 | 454 | 430 | 416 | 428 |
| 1976 | 456 | 483 | 491 | 505 | 520 | 532 | 521 | 488 | 472 | 473 | 442 | 424 |
| 1977 | 426 | 434 | 436 | 454 | 454 | 454 | 468 | 456 | 439 | 418 | 409 | 422 |
| 1978 | 428 | 444 | 493 | 535 | 544 | 544 | 544 | 544 | 526 | 469 | 413 | 433 |
| 1979 | 466 | 488 | 492 | 507 | 521 | 528 | 529 | 503 | 473 | 459 | 416 | 410 |
| 1980 | 446 | 480 | 507 | 524 | 540 | 544 | 544 | 540 | 522 | 488 | 446 | 462 |
| 1981 | 494 | 517 | 523 | 537 | 544 | 544 | 544 | 504 | 468 | 451 | 427 | 404 |
| 1982 | 416 | 452 | 486 | 523 | 537 | 543 | 544 | 544 | 531 | 494 | 460 | 470 |
| 1983 | 495 | 514 | 520 | 535 | 544 | 544 | 544 | 544 | 537 | 527 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 543 | 507 | 471 | 450 | 408 | 403 |
| 1985 | 440 | 473 | 496 | 511 | 524 | 531 | 519 | 475 | 435 | 416 | 399 | 397 |
| 1986 | 401 | 408 | 446 | 499 | 529 | 544 | 544 | 544 | 531 | 488 | 457 | 465 |
| 1987 | 495 | 508 | 534 | 544 | 544 | 544 | 536 | 496 | 468 | 458 | 437 | 414 |
| 1988 | 421 | 418 | 457 | 506 | 519 | 519 | 516 | 494 | 482 | 461 | 422 | 417 |
| 1989 | 414 | 431 | 453 | 492 | 492 | 527 | 533 | 492 | 461 | 452 | 386 | 394 |
| 1990 | 416 | 428 | 460 | 503 | 523 | 528 | 527 | 494 | 479 | 459 | 401 | 382 |
| 1991 | 383 | 390 | 390 | 405 | 405 | 468 | 484 | 467 | 455 | 432 | 414 | 415 |
| 1992 | 418 | 431 | 446 | 489 | 525 | 544 | 544 | 519 | 502 | 468 | 423 | 415 |
| 1993 | 415 | 422 | 469 | 519 | 530 | 534 | 530 | 505 | 488 | 450 | 405 | 410 |
| 1994 | 446 | 476 | 488 | 502 | 516 | 526 | 516 | 478 | 454 | 451 | 447 | 433 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 0 | 24 | 41 | 80 | 129 | 120 | |
| 20 | 18 | 52 | 88 | 106 | 126 | 139 | |
| 20 | 21 | 46 | 79 | 116 | 156 | 161 | |
| 14 | 5 | 35 | 68 | 106 | 154 | 169 | |
| 12 | 6 | 38 | 63 | 83 | 150 | 151 | |
| 0 | 1 | 36 | 70 | 92 | 133 | 121 | |
| 13 | 12 | 51 | 90 | 111 | 129 | 143 | |
| 1 | 7 | 27 | 56 | 93 | 130 | 135 | |
| 3 | 9 | 48 | 76 | 83 | 97 | 119 | |
| 50 | 49 | 69 | 88 | 123 | 171 | 173 | |
| 8 | 8 | 31 | 50 | 79 | 131 | 145 | |
| 33 | 24 | 43 | 76 | 116 | 166 | 170 | |
| 38 | 38 | 67 | 88 | 111 | 146 | 156 | |
| 12 | 6 | 31 | 68 | 116 | 187 | 188 | |
| 3 | 1 | 25 | 59 | 89 | 127 | 134 | |
| 0 | 0 | 3 | 33 | 81 | 132 | 143 | |
| 3 | 0 | 0 | 7 | 42 | 78 | 62 | |
| 0 | 7 | 43 | 72 | 82 | 101 | 123 | |
| 12 | 11 | 44 | 88 | 113 | 191 | 194 | |
| 6 | 9 | 12 | 27 | 79 | 123 | 103 | |
| 17 | 20 | 45 | 53 | 92 | 128 | 110 | |
| 15 | 12 | 20 | 49 | 80 | 128 | 136 | |
| 5 | 17 | 51 | 81 | 94 | 113 | 124 | |
| 3 | 10 | 43 | 80 | 101 | 138 | 150 | |
| 16 | 27 | 64 | 101 | 121 | 138 | 152 | |
| 4 | 15 | 54 | 86 | 97 | 123 | 135 | |
| 33 | 16 | 61 | 97 | 126 | 193 | 183 | |
| 0 | 13 | 53 | 89 | 111 | 142 | 155 | |
| 14 | 14 | 53 | 85 | 102 | 134 | 143 | |
| 4 | 9 | 48 | 92 | 119 | 144 | 152 | |
| 8 | 4 | 1 | 9 | 37 | 57 | 46 | |
| 0 | 7 | 47 | 72 | 94 | 138 | 119 | |
| 17 | 15 | 56 | 97 | 120 | 141 | 148 | |
| 2 | 16 | 52 | 79 | 88 | 118 | 126 | |
| 0 | 1 | 25 | 46 | 78 | 122 | 111 | |
| 14 | 13 | 51 | 82 | 99 | 121 | 131 | |
| 6 | 5 | 5 | 14 | 52 | 72 | 58 | |
| 3 | 15 | 55 | 89 | 104 | 116 | 125 | |
| 0 | 17 | 59 | 90 | 106 | 162 | 180 | |
| 0 | 18 | 59 | 89 | 99 | 123 | 140 | |
| 9 | 14 | 58 | 102 | 131 | 212 | 202 | |
| 13 | 10 | 39 | 65 | 96 | 122 | 107 | |
| 1 | 22 | 66 | 106 | 126 | 143 | 144 | |
| 3 | 1 | 32 | 65 | 84 | 123 | 116 | |
| 13 | 26 | 69 | 111 | 133 | 152 | 162 | |
| 11 | 6 | 3 | 10 | 22 | 44 | 39 | |
| 0 | 1 | 42 | 78 | 95 | 119 | 134 | |
| 0 | 0 | 0 | 7 | 30 | 60 | 45 | |
| 0 | 1 | 35 | 75 | 96 | 127 | 135 | |
| 10 | 9 | 52 | 83 | 107 | 129 | 116 | |
| 4 | 14 | 55 | 89 | 103 | 114 | 133 | |
| 2 | 3 | 30 | 62 | 85 | 127 | 129 | |
| 9 | 11 | 42 | 74 | 106 | 123 | 110 | |
| 23 | 25 | 64 | 90 | 114 | 128 | 116 | |
| 12 | 23 | 56 | 72 | 71 | 102 | 110 | |
| 90 | 76 | 88 | 105 | 126 | 135 | 122 | |
| 0 | 0 | 0 | | | | | |

STUDY: 1995C06F-SWRCBDS-622A DWRSIM: recirc818VA_09 Apr 98
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCBDS-622A/ELEVATION/EOP//1MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 900'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 834 | 834 | 836 | 844 | 850 | 858 | 893 | 900 | 900 | 869 | 865 | 866 |
| 1923 | 870 | 870 | 858 | 862 | 859 | 872 | 895 | 900 | 881 | 842 | 802 | 805 |
| 1924 | 794 | 782 | 776 | 781 | 799 | 785 | 774 | 761 | 737 | 714 | 704 | 695 |
| 1925 | 694 | 698 | 705 | 721 | 789 | 816 | 836 | 843 | 824 | 793 | 782 | 778 |
| 1926 | 775 | 776 | 778 | 792 | 835 | 855 | 887 | 877 | 856 | 812 | 797 | 775 |
| 1927 | 771 | 802 | 802 | 828 | 849 | 863 | 890 | 900 | 898 | 861 | 844 | 841 |
| 1928 | 838 | 849 | 850 | 862 | 871 | 849 | 878 | 867 | 847 | 796 | 741 | 734 |
| 1929 | 721 | 716 | 714 | 719 | 733 | 750 | 757 | 761 | 754 | 738 | 728 | 721 |
| 1930 | 712 | 709 | 769 | 797 | 823 | 854 | 876 | 884 | 866 | 827 | 790 | 787 |
| 1931 | 777 | 769 | 760 | 773 | 786 | 801 | 788 | 773 | 749 | 726 | 714 | 708 |
| 1932 | 702 | 693 | 698 | 722 | 745 | 778 | 791 | 822 | 795 | 738 | 716 | 710 |
| 1933 | 700 | 688 | 687 | 699 | 710 | 715 | 721 | 737 | 731 | 715 | 704 | 697 |
| 1934 | 693 | 685 | 687 | 714 | 737 | 764 | 758 | 749 | 724 | 700 | 688 | 680 |
| 1935 | 672 | 677 | 683 | 711 | 735 | 765 | 853 | 862 | 846 | 821 | 809 | 790 |
| 1936 | 783 | 773 | 771 | 822 | 849 | 860 | 886 | 882 | 874 | 834 | 801 | 795 |
| 1937 | 786 | 774 | 770 | 773 | 790 | 824 | 849 | 864 | 841 | 813 | 792 | 785 |
| 1938 | 781 | 798 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 824 | 820 | 785 | 721 | 663 | 658 |
| 1940 | 644 | 634 | 636 | 708 | 816 | 849 | 879 | 885 | 867 | 828 | 820 | 804 |
| 1941 | 800 | 801 | 842 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 880 | 876 | 877 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 896 | 861 | 850 | 851 |
| 1944 | 852 | 855 | 854 | 860 | 857 | 868 | 879 | 895 | 875 | 835 | 796 | 790 |
| 1945 | 785 | 792 | 808 | 823 | 862 | 865 | 880 | 896 | 877 | 837 | 801 | 796 |
| 1946 | 796 | 804 | 849 | 864 | 868 | 868 | 887 | 897 | 875 | 836 | 795 | 792 |
| 1947 | 786 | 796 | 794 | 800 | 825 | 848 | 857 | 853 | 836 | 783 | 729 | 722 |
| 1948 | 725 | 726 | 723 | 759 | 762 | 782 | 842 | 871 | 877 | 841 | 823 | 813 |
| 1949 | 806 | 803 | 804 | 808 | 817 | 837 | 857 | 863 | 841 | 791 | 753 | 748 |
| 1950 | 733 | 729 | 730 | 761 | 808 | 842 | 875 | 894 | 881 | 843 | 817 | 816 |
| 1951 | 821 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 888 | 846 | 817 | 815 |
| 1952 | 820 | 824 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 890 | 899 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 867 | 865 | 867 |
| 1954 | 869 | 871 | 874 | 858 | 857 | 859 | 883 | 869 | 853 | 808 | 761 | 758 |
| 1955 | 759 | 761 | 769 | 782 | 791 | 804 | 813 | 826 | 799 | 737 | 705 | 702 |
| 1956 | 693 | 689 | 684 | 849 | 849 | 864 | 892 | 900 | 871 | 860 | 863 | 83 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 866 | 884 | 869 | 830 | 792 | 797 |
| 1958 | 799 | 803 | 822 | 843 | 849 | 849 | 879 | 900 | 898 | 894 | 887 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 874 | 877 | 856 | 813 | 762 | 766 |
| 1960 | 758 | 748 | 743 | 757 | 818 | 857 | 859 | 865 | 846 | 809 | 797 | 788 |
| 1961 | 766 | 768 | 777 | 789 | 819 | 837 | 837 | 843 | 823 | 763 | 718 | 714 |
| 1962 | 699 | 695 | 705 | 719 | 783 | 818 | 843 | 845 | 829 | 774 | 739 | 717 |
| 1963 | 792 | 804 | 834 | 857 | 867 | 858 | 876 | 900 | 890 | 855 | 836 | 837 |
| 1964 | 838 | 850 | 852 | 862 | 871 | 874 | 880 | 885 | 869 | 829 | 782 | 758 |
| 1965 | 746 | 746 | 849 | 849 | 863 | 870 | 887 | 884 | 886 | 853 | 846 | 848 |
| 1966 | 852 | 859 | 860 | 864 | 870 | 874 | 894 | 884 | 864 | 824 | 777 | 769 |
| 1967 | 756 | 767 | 805 | 849 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 866 | 870 | 851 | 806 | 765 | 762 |
| 1969 | 764 | 769 | 792 | 849 | 849 | 865 | 895 | 900 | 895 | 893 | 874 | 83 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 874 | 876 | 863 | 824 | 781 | 782 |
| 1971 | 785 | 812 | 842 | 864 | 874 | 874 | 893 | 900 | 900 | 870 | 852 | 854 |
| 1972 | 859 | 865 | 865 | 869 | 867 | 874 | 884 | 887 | 888 | 828 | 784 | 785 |
| 1973 | 781 | 797 | 822 | 849 | 849 | 860 | 882 | 900 | 871 | 832 | 803 | 800 |
| 1974 | 804 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 888 | 887 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 874 | 873 | 874 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 864 | 842 | 797 | 759 | 759 |
| 1977 | 751 | 741 | 725 | 721 | 706 | 701 | 679 | 670 | 641 | 617 | 608 | 605 |
| 1978 | 595 | 594 | 631 | 753 | 805 | 859 | 878 | 897 | 892 | 872 | 863 | 870 |
| 1979 | 873 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 864 | 826 | 810 | 807 |
| 1980 | 813 | 818 | 827 | 850 | 849 | 865 | 881 | 893 | 888 | 874 | 867 | 865 |
| 1981 | 864 | 866 | 874 | 860 | 868 | 865 | 875 | 872 | 851 | 807 | 758 | 759 |
| 1982 | 766 | 847 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 885 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 890 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 886 | 895 | 879 | 841 | 822 | 824 |
| 1985 | 828 | 841 | 851 | 857 | 870 | 871 | 886 | 874 | 852 | 808 | 759 | 740 |
| 1986 | 731 | 727 | 734 | 770 | 849 | 849 | 871 | 875 | 871 | 843 | 831 | 842 |
| 1987 | 844 | 850 | 848 | 849 | 860 | 867 | 859 | 849 | 822 | 762 | 720 | 715 |
| 1988 | 703 | 706 | 745 | 771 | 773 | 773 | 772 | 763 | 735 | 715 | 703 | 700 |
| 1989 | 693 | 711 | 721 | 729 | 730 | 843 | 869 | 860 | 842 | 796 | 778 | 775 |
| 1990 | 786 | 788 | 771 | 784 | 792 | 818 | 806 | 806 | 781 | 724 | 711 | 700 |
| 1991 | 683 | 675 | 655 | 653 | 648 | 701 | 724 | 738 | 722 | 701 | 695 | 694 |
| 1992 | 691 | 687 | 688 | 692 | 723 | 752 | 767 | 756 | 732 | 707 | 695 | 689 |
| 1993 | 682 | 677 | 696 | 763 | 815 | 861 | 894 | 900 | 900 | 871 | 867 | 866 |
| 1994 | 872 | 874 | 874 | 871 | 862 | 874 | 873 | 869 | 847 | 806 | 758 | 753 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 31 | 35 | 34 | 20 |
| 28 | 5 | 0 | 19 | 58 | 98 | 95 | 16 |
| 115 | 126 | 139 | 163 | 186 | 196 | 205 | 7 |
| 84 | 64 | 57 | 76 | 107 | 118 | 122 | 1 |
| 45 | 13 | 23 | 44 | 88 | 103 | 125 | 1 |
| 863 | 890 | 900 | 898 | 861 | 844 | 841 | 18 |
| 51 | 22 | 33 | 53 | 104 | 159 | 166 | 1 |
| 150 | 143 | 139 | 146 | 162 | 172 | 179 | 1 |
| 46 | 24 | 12 | 34 | 73 | 110 | 113 | 1 |
| 99 | 112 | 127 | 151 | 174 | 186 | 192 | 1 |
| 122 | 109 | 78 | 105 | 162 | 184 | 190 | 1 |
| 185 | 179 | 163 | 169 | 185 | 196 | 203 | 1 |
| 136 | 142 | 151 | 176 | 200 | 212 | 220 | 1 |
| 135 | 47 | 38 | 54 | 79 | 91 | 110 | 1 |
| 40 | 14 | 18 | 26 | 66 | 99 | 105 | 1 |
| 76 | 51 | 36 | 59 | 87 | 108 | 115 | 1 |
| 51 | 78 | 80 | 115 | 179 | 237 | 243 | 28 |
| 52 | 21 | 15 | 33 | 72 | 100 | 96 | 1 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 | 3 |
| 33 | 18 | 0 | 0 | 20 | 24 | 23 | 6 |
| 41 | 13 | 3 | 4 | 39 | 50 | 49 | 5 |
| 32 | 21 | 5 | 25 | 65 | 104 | 110 | 4 |
| 35 | 20 | 4 | 23 | 63 | 99 | 104 | 1 |
| 32 | 13 | 3 | 25 | 64 | 105 | 108 | 3 |
| 52 | 43 | 47 | 64 | 117 | 171 | 178 | 1 |
| 118 | 58 | 29 | 23 | 59 | 77 | 87 | 1 |
| 63 | 43 | 37 | 59 | 109 | 147 | 152 | 1 |
| 58 | 25 | 6 | 19 | 57 | 83 | 84 | 4 |
| 30 | 14 | 0 | 12 | 54 | 83 | 85 | 3 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 | 4 |
| 33 | 17 | 0 | 0 | 33 | 35 | 33 | 2 |
| 41 | 17 | 31 | 47 | 92 | 139 | 142 | 1 |
| 96 | 87 | 74 | 101 | 163 | 195 | 198 | 1 |
| 36 | 8 | 0 | 0 | 29 | 40 | 37 | 4 |
| 37 | 34 | 16 | 31 | 70 | 108 | 103 | 1 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 | 1 |
| 33 | 26 | 23 | 54 | 87 | 138 | 134 | 1 |
| 43 | 41 | 35 | 54 | 91 | 103 | 112 | 1 |
| 63 | 63 | 57 | 77 | 137 | 182 | 186 | 1 |
| 82 | 57 | 55 | 71 | 126 | 161 | 183 | 1 |
| 42 | 24 | 0 | 10 | 45 | 64 | 63 | 1 |
| 26 | 20 | 15 | 31 | 71 | 118 | 142 | 1 |
| 30 | 13 | 16 | 14 | 47 | 54 | 52 | 3 |
| 26 | 6 | 16 | 36 | 76 | 123 | 131 | 4 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 | 1 |
| 34 | 34 | 30 | 49 | 94 | 135 | 138 | 1 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 | 4 |
| 26 | 26 | 24 | 37 | 76 | 119 | 118 | 1 |
| 26 | 7 | 0 | 0 | 30 | 48 | 46 | 4 |
| 26 | 16 | 13 | 32 | 72 | 116 | 115 | 2 |
| 40 | 18 | 0 | 29 | 68 | 97 | 100 | 2 |
| 51 | 17 | 0 | 0 | 12 | 13 | 14 | 2 |
| 48 | 19 | 0 | 0 | 26 | 27 | 26 | 6 |
| 26 | 29 | 36 | 58 | 103 | 141 | 141 | 1 |
| 199 | 221 | 230 | 259 | 283 | 292 | 295 | 1 |
| 41 | 22 | 3 | 8 | 28 | 37 | 30 | 1 |
| 37 | 22 | 4 | 36 | 74 | 90 | 93 | 1 |
| 35 | 19 | 7 | 12 | 26 | 33 | 35 | 2 |
| 35 | 25 | 28 | 49 | 93 | 142 | 141 | 1 |
| 41 | 16 | 0 | 0 | 11 | 15 | 13 | 2 |
| 51 | 23 | 0 | 0 | 0</ | | | |

STUDY: 1995C06F-SWRCBDS-622A DWRSIM: recirc818VA, 09 Apr 98
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCBDS-622A/8/ELEVATION-EOP/1/MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 466'

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 8, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index =

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 462 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 419 | 416 | 449 | 466 | 458 | 437 | 422 | 424 |
| 1924 | 419 | 410 | 402 | 390 | 387 | 369 | 377 | 381 | 346 | 334 | 337 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 424 | 435 | 449 | 466 | 448 | 432 | 421 | 418 |
| 1926 | 414 | 407 | 402 | 393 | 413 | 413 | 444 | 443 | 413 | 370 | 334 | 348 |
| 1927 | 356 | 398 | 419 | 424 | 424 | 437 | 449 | 466 | 461 | 454 | 449 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 454 | 441 | 417 | 409 | 411 |
| 1929 | 405 | 399 | 394 | 383 | 382 | 388 | 396 | 401 | 389 | 362 | 369 | 371 |
| 1930 | 357 | 351 | 391 | 411 | 424 | 437 | 443 | 442 | 418 | 389 | 365 | 369 |
| 1931 | 360 | 369 | 379 | 390 | 398 | 407 | 402 | 397 | 334 | 334 | 334 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 445 | 461 | 441 | 401 | 370 | 374 |
| 1933 | 350 | 334 | 355 | 366 | 373 | 385 | 355 | 375 | 334 | 334 | 345 | 340 |
| 1934 | 334 | 335 | 375 | 402 | 420 | 425 | 419 | 415 | 334 | 324 | 313 | 326 |
| 1935 | 334 | 361 | 378 | 402 | 415 | 418 | 449 | 454 | 453 | 434 | 422 | 421 |
| 1936 | 418 | 412 | 406 | 424 | 424 | 437 | 449 | 461 | 456 | 444 | 438 | 434 |
| 1937 | 425 | 417 | 411 | 404 | 424 | 437 | 449 | 466 | 455 | 442 | 435 | 432 |
| 1938 | 425 | 422 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 417 | 421 | 391 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 452 | 435 | 425 | 428 |
| 1941 | 419 | 414 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 448 | 466 | 466 | 463 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 450 | 445 | 441 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 412 | 389 | 372 | 368 |
| 1945 | 360 | 391 | 411 | 424 | 424 | 437 | 449 | 466 | 455 | 443 | 437 | 434 |
| 1946 | 427 | 424 | 424 | 424 | 423 | 437 | 449 | 466 | 450 | 437 | 429 | 428 |
| 1947 | 419 | 420 | 419 | 410 | 412 | 429 | 439 | 442 | 413 | 380 | 354 | 341 |
| 1948 | 362 | 378 | 384 | 407 | 404 | 399 | 436 | 457 | 457 | 451 | 447 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 443 | 460 | 441 | 425 | 416 | 414 |
| 1950 | 408 | 406 | 402 | 424 | 424 | 437 | 449 | 466 | 455 | 443 | 439 | 434 |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 434 | 429 | 429 |
| 1952 | 423 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 449 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 442 | 423 | 417 | 420 |
| 1955 | 415 | 408 | 412 | 418 | 418 | 413 | 424 | 434 | 416 | 392 | 376 | 367 |
| 1956 | 345 | 364 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 435 | 460 | 450 | 437 | 431 | 430 |
| 1958 | 423 | 417 | 419 | 423 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 426 | 435 | 436 | 412 | 389 | 376 | 383 |
| 1960 | 381 | 376 | 373 | 383 | 422 | 437 | 448 | 447 | 427 | 405 | 393 | 400 |
| 1961 | 395 | 392 | 391 | 384 | 390 | 399 | 409 | 421 | 405 | 387 | 375 | 379 |
| 1962 | 380 | 382 | 389 | 390 | 424 | 431 | 449 | 456 | 450 | 431 | 421 | 420 |
| 1963 | 441 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 454 | 449 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 418 | 415 | 426 | 432 | 410 | 374 | 335 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 414 | 449 | 464 | 453 | 446 | 444 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 448 | 449 | 427 | 404 | 393 | 395 |
| 1967 | 394 | 403 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 441 | 442 | 419 | 395 | 393 | 395 |
| 1969 | 393 | 398 | 408 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 433 | 442 | 433 | 417 | 415 | 419 |
| 1971 | 413 | 422 | 424 | 424 | 424 | 437 | 449 | 463 | 463 | 461 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 431 | 409 | 403 | 402 |
| 1973 | 401 | 406 | 421 | 424 | 424 | 437 | 449 | 466 | 453 | 437 | 430 | 431 |
| 1974 | 424 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 392 | 398 | 403 | 369 | 334 | 342 | 343 |
| 1977 | 335 | 334 | 330 | 325 | 321 | 323 | 334 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 287 | 304 | 358 | 424 | 424 | 437 | 449 | 466 | 459 | 453 | 445 | 434 |
| 1979 | 423 | 417 | 411 | 418 | 424 | 437 | 447 | 466 | 447 | 430 | 423 | 422 |
| 1980 | 419 | 416 | 417 | 405 | 399 | 430 | 449 | 464 | 454 | 454 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 411 | 390 | 383 | 383 |
| 1982 | 393 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 444 | 464 | 455 | 443 | 438 | 434 |
| 1985 | 427 | 424 | 424 | 420 | 422 | 428 | 443 | 445 | 414 | 376 | 338 | 336 |
| 1986 | 335 | 366 | 396 | 424 | 396 | 424 | 449 | 464 | 458 | 453 | 449 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 417 | 420 | 390 | 351 | 334 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 388 | 387 | 395 | 395 | 357 | 333 | 317 | 382 |
| 1989 | 371 | 383 | 393 | 399 | 393 | 437 | 449 | 452 | 432 | 409 | 401 | 405 |
| 1990 | 402 | 401 | 396 | 396 | 394 | 407 | 412 | 413 | 379 | 334 | 340 | 341 |
| 1991 | 334 | 334 | 335 | 332 | 332 | 383 | 407 | 425 | 421 | 415 | 411 | 409 |
| 1992 | 403 | 391 | 382 | 367 | 388 | 403 | 412 | 408 | 369 | 334 | 323 | 316 |
| 1993 | 316 | 315 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 455 | 449 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 388 | 397 | 402 | 378 | 334 | 334 | 332 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | 6 | 6 | 5 | 2 | 1 | 22 |
| 1 | 2 | 6 | 4 | 1 | 1 | 1 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 2 | 1 | 1 | 1 | 1 | 14 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 4 | 3 | 2 | 1 | 1 | 19 |
| 1 | 2 | 3 | 1 | 1 | 1 | 1 | 10 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 3 | 1 | 1 | 1 | 1 | 1 | 10 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 4 | 1 | 1 | 1 | 1 | 1 | 10 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 3 | 3 | 1 | 1 | 1 | 1 | 12 |
| 2 | 4 | 3 | 1 | 1 | 1 | 1 | 13 |
| 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 |
| 2 | 6 | 5 | 2 | 1 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 4 | 3 | 1 | 1 | 1 | 1 | 13 |
| 2 | 6 | 4 | 3 | 2 | 1 | 1 | 19 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 |
| 1 | 4 | 5 | 5 | 2 | 1 | 1 | 19 |
| 1 | 2 | 6 | 3 | 1 | 1 | 1 | 10 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 6 | 6 | 5 | 2 | 1 | 1 | 22 |
| 1 | 4 | 2 | 1 | 1 | 1 | 1 | 11 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 3 | 2 | 1 | 1 | 1 | 1 | 11 |
| 2 | 6 | 4 | 3 | 2 | 1 | 1 | 19 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 2 | 2 | 1 | 1 | 1 | 1 | 1 | 9 |
| 2 | 6 | 6 | 5 | 2 | 1 | 1 | 23 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 4 | 5 | 5 | 2 | 1 | 1 | 19 |
| 1 | 6 | 6 | 5 | 2 | 1 | 1 | 22 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 5 | 4 | 3 | 2 | 1 | 1 | 18 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 5 | 3 | 1 | 1 | 1 | 1 | 13 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 5 | 4 | 3 | 2 | 1 | 1 | 18 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 3 | 1 | 1 | 1 | 1 | 1 | 10 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 2 | 6 | 6 | 3 | 2 | 1 | 1 | 21 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 4 | 15 | 23 | 0 | -4 | -13 | -15 | |
| -3 | 33 | 17 | -8 | -21 | -15 | 2 | |
| -18 | 8 | 4 | -35 | -12 | 3 | -3 | |
| 11 | 14 | 17 | -18 | -16 | -11 | -3 | |
| 0 | 31 | -1 | -30 | -43 | -36 | 14 | |
| 13 | 12 | 17 | -5 | -7 | -5 | -15 | |
| 13 | 12 | 5 | -13 | -24 | -8 | 2 | |
| 6 | 8</ | | | | | | |

STUDY: 1995C06F-SWRCBDS-22VA DWRSIM: recirc818VA, 09 Apr 98
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCBDS-622A/10/ELEVATION-EOP/1/MON/OUTPUT/

| YEAR | 73 - year maximum March - September Reservoir Elevation = 1088' | | | | | | | | | | | |
|------|---|------|------|------|------|------|------|------|------|------|------|------|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 939 | 942 | 947 | 952 | 967 | 976 | 970 | 994 | 1018 | 1012 | 1001 | 994 |
| 1923 | 993 | 995 | 1003 | 1010 | 1015 | 1019 | 1016 | 1025 | 1026 | 1019 | 1007 | 1001 |
| 1924 | 1000 | 1001 | 1003 | 1005 | 1006 | 1006 | 1000 | 990 | 977 | 965 | 957 | 952 |
| 1925 | 951 | 953 | 956 | 959 | 977 | 988 | 986 | 998 | 1000 | 993 | 979 | 971 |
| 1926 | 969 | 970 | 972 | 973 | 982 | 988 | 989 | 983 | 969 | 954 | 943 | 935 |
| 1927 | 935 | 938 | 946 | 953 | 972 | 981 | 986 | 997 | 1004 | 995 | 982 | 976 |
| 1928 | 975 | 980 | 984 | 987 | 993 | 1010 | 1008 | 1014 | 1006 | 993 | 979 | 971 |
| 1929 | 970 | 972 | 973 | 975 | 978 | 979 | 973 | 968 | 958 | 946 | 937 | 930 |
| 1930 | 930 | 931 | 933 | 937 | 942 | 950 | 950 | 944 | 940 | 928 | 916 | 904 |
| 1931 | 905 | 909 | 912 | 916 | 920 | 922 | 915 | 899 | 882 | 871 | 858 | 849 |
| 1932 | 847 | 849 | 860 | 868 | 891 | 901 | 900 | 927 | 941 | 934 | 925 | 916 |
| 1933 | 916 | 919 | 922 | 925 | 927 | 929 | 924 | 920 | 917 | 899 | 883 | 872 |
| 1934 | 872 | 877 | 882 | 888 | 897 | 906 | 897 | 881 | 862 | 846 | 832 | 823 |
| 1935 | 819 | 821 | 824 | 832 | 839 | 848 | 867 | 908 | 926 | 915 | 896 | 885 |
| 1936 | 884 | 888 | 892 | 910 | 937 | 947 | 958 | 978 | 985 | 974 | 961 | 953 |
| 1937 | 953 | 955 | 958 | 962 | 975 | 988 | 985 | 1004 | 1007 | 997 | 985 | 977 |
| 1938 | 976 | 978 | 990 | 999 | 1018 | 1039 | 1048 | 1073 | 1088 | 1086 | 1077 | 1072 |
| 1939 | 1065 | 1060 | 1055 | 1051 | 1050 | 1052 | 1044 | 1032 | 1022 | 1011 | 1000 | 993 |
| 1940 | 992 | 992 | 993 | 1004 | 1018 | 1034 | 1038 | 1050 | 1049 | 1038 | 1027 | 1020 |
| 1941 | 1018 | 1020 | 1024 | 1029 | 1039 | 1049 | 1044 | 1057 | 1061 | 1056 | 1047 | 1039 |
| 1942 | 1038 | 1039 | 1043 | 1050 | 1051 | 1055 | 1056 | 1067 | 1077 | 1074 | 1066 | 1060 |
| 1943 | 1053 | 1050 | 1050 | 1057 | 1061 | 1076 | 1082 | 1087 | 1085 | 1078 | 1069 | 1063 |
| 1944 | 1065 | 1050 | 1050 | 1050 | 1050 | 1053 | 1042 | 1036 | 1032 | 1021 | 1009 | 1001 |
| 1945 | 1000 | 1004 | 1007 | 1011 | 1025 | 1032 | 1028 | 1036 | 1042 | 1035 | 1024 | 1017 |
| 1946 | 1016 | 1019 | 1028 | 1035 | 1041 | 1046 | 1047 | 1054 | 1052 | 1042 | 1031 | 1025 |
| 1947 | 1024 | 1026 | 1029 | 1030 | 1033 | 1038 | 1030 | 1021 | 1011 | 1000 | 987 | 979 |
| 1948 | 979 | 980 | 981 | 982 | 984 | 987 | 985 | 988 | 997 | 987 | 974 | 967 |
| 1949 | 966 | 968 | 971 | 973 | 976 | 982 | 979 | 983 | 978 | 964 | 954 | 947 |
| 1950 | 946 | 946 | 948 | 955 | 965 | 973 | 974 | 990 | 994 | 982 | 971 | 963 |
| 1951 | 963 | 998 | 1038 | 1049 | 1052 | 1055 | 1053 | 1054 | 1049 | 1038 | 1027 | 1020 |
| 1952 | 1018 | 1020 | 1026 | 1040 | 1050 | 1055 | 1058 | 1085 | 1088 | 1087 | 1079 | 1073 |
| 1953 | 1065 | 1060 | 1056 | 1056 | 1054 | 1055 | 1050 | 1044 | 1050 | 1043 | 1032 | 1025 |
| 1954 | 1023 | 1024 | 1026 | 1028 | 1031 | 1038 | 1036 | 1041 | 1034 | 1022 | 1010 | 1003 |
| 1955 | 1002 | 1003 | 1005 | 1009 | 1011 | 1014 | 1008 | 1003 | 999 | 987 | 973 | 965 |
| 1956 | 964 | 967 | 998 | 1024 | 1037 | 1047 | 1046 | 1059 | 1066 | 1062 | 1052 | 1047 |
| 1957 | 1045 | 1046 | 1047 | 1049 | 1050 | 1055 | 1046 | 1045 | 1048 | 1037 | 1026 | 1018 |
| 1958 | 1014 | 1015 | 1016 | 1022 | 1030 | 1045 | 1052 | 1076 | 1086 | 1081 | 1073 | 1066 |
| 1959 | 1058 | 1054 | 1050 | 1050 | 1050 | 1053 | 1043 | 1030 | 1020 | 1009 | 998 | 992 |
| 1960 | 990 | 991 | 992 | 993 | 998 | 1004 | 1000 | 994 | 983 | 969 | 958 | 949 |
| 1961 | 945 | 949 | 952 | 954 | 956 | 959 | 955 | 947 | 936 | 927 | 919 | 909 |
| 1962 | 907 | 910 | 913 | 917 | 929 | 935 | 936 | 941 | 944 | 935 | 925 | 914 |
| 1963 | 914 | 918 | 923 | 931 | 949 | 956 | 955 | 981 | 993 | 984 | 971 | 964 |
| 1964 | 964 | 969 | 972 | 978 | 982 | 986 | 981 | 974 | 966 | 952 | 942 | 934 |
| 1965 | 932 | 936 | 968 | 994 | 1006 | 1013 | 1017 | 1025 | 1034 | 1029 | 1019 | 1012 |
| 1966 | 1010 | 1014 | 1018 | 1022 | 1028 | 1030 | 1023 | 1022 | 1011 | 999 | 987 | 978 |
| 1967 | 976 | 978 | 989 | 1001 | 1008 | 1019 | 1021 | 1042 | 1064 | 1069 | 1061 | 1055 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1045 | 1036 | 1027 | 1016 | 1004 | 996 |
| 1969 | 995 | 998 | 1000 | 1028 | 1049 | 1056 | 1067 | 1088 | 1088 | 1076 | 1069 | 1069 |
| 1970 | 1062 | 1058 | 1057 | 1075 | 1080 | 1083 | 1078 | 1079 | 1075 | 1065 | 1055 | 1050 |
| 1971 | 1048 | 1050 | 1050 | 1050 | 1050 | 1054 | 1049 | 1048 | 1052 | 1044 | 1032 | 1025 |
| 1972 | 1023 | 1025 | 1030 | 1034 | 1037 | 1043 | 1034 | 1033 | 1024 | 1012 | 1000 | 993 |
| 1973 | 993 | 994 | 998 | 1010 | 1024 | 1035 | 1030 | 1041 | 1042 | 1030 | 1019 | 1012 |
| 1974 | 1011 | 1016 | 1024 | 1036 | 1045 | 1055 | 1060 | 1071 | 1070 | 1063 | 1053 | 1047 |
| 1975 | 1046 | 1047 | 1050 | 1050 | 1050 | 1055 | 1051 | 1054 | 1063 | 1057 | 1047 | 1040 |
| 1976 | 1039 | 1041 | 1043 | 1044 | 1046 | 1048 | 1038 | 1028 | 1016 | 1006 | 995 | 988 |
| 1977 | 987 | 988 | 988 | 988 | 987 | 987 | 980 | 972 | 963 | 952 | 944 | 939 |
| 1978 | 935 | 935 | 938 | 949 | 961 | 980 | 984 | 998 | 1008 | 1006 | 995 | 992 |
| 1979 | 990 | 992 | 995 | 1002 | 1015 | 1028 | 1024 | 1035 | 1032 | 1020 | 1008 | 1002 |
| 1980 | 1001 | 1004 | 1005 | 1037 | 1055 | 1058 | 1059 | 1063 | 1067 | 1065 | 1056 | 1050 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1033 | 1021 | 1009 | 998 | 993 |
| 1982 | 992 | 998 | 1012 | 1031 | 1055 | 1069 | 1085 | 1088 | 1088 | 1085 | 1077 | 1074 |
| 1983 | 1071 | 1076 | 1084 | 1088 | 1088 | 1088 | 1088 | 1088 | 1088 | 1088 | 1083 | 1075 |
| 1984 | 1070 | 1080 | 1088 | 1088 | 1088 | 1088 | 1082 | 1084 | 1078 | 1071 | 1063 | 1059 |
| 1985 | 1052 | 1050 | 1050 | 1050 | 1050 | 1053 | 1047 | 1038 | 1027 | 1016 | 1005 | 999 |
| 1986 | 999 | 1001 | 1003 | 1012 | 1052 | 1075 | 1076 | 1079 | 1079 | 1070 | 1062 | 1058 |
| 1987 | 1051 | 1050 | 1050 | 1049 | 1050 | 1051 | 1042 | 1028 | 1017 | 1007 | 998 | 994 |
| 1988 | 991 | 990 | 990 | 991 | 992 | 994 | 987 | 977 | 967 | 958 | 953 | 947 |
| 1989 | 945 | 944 | 944 | 945 | 948 | 959 | 957 | 952 | 944 | 933 | 925 | 920 |
| 1990 | 923 | 926 | 930 | 932 | 936 | 940 | 933 | 921 | 904 | 890 | 879 | 871 |
| 1991 | 870 | 871 | 875 | 876 | 878 | 886 | 882 | 876 | 861 | 846 | 834 | 827 |
| 1992 | 828 | 830 | 835 | 839 | 850 | 859 | 851 | 834 | 816 | 798 | 777 | 772 |
| 1993 | 776 | 784 | 794 | 818 | 816 | 863 | 871 | 884 | 894 | 884 | 872 | 867 |
| 1994 | 966 | 966 | 969 | 970 | 970 | 976 | 971 | 966 | 956 | 944 | 936 | 932 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|------|-----|-----|-----|-----|-----|
| 121 | 112 | 118 | 94 | 70 | 76 | 87 |
| 73 | 69 | 72 | 63 | 62 | 69 | 81 |
| 82 | 82 | 88 | 98 | 111 | 123 | 131 |
| 111 | 100 | 102 | 90 | 88 | 95 | 109 |
| 106 | 100 | 99 | 105 | 119 | 134 | 145 |
| 116 | 107 | 102 | 91 | 84 | 93 | 106 |
| 95 | 78 | 80 | 74 | 82 | 95 | 109 |
| 110 | 109 | 115 | 120 | 130 | 142 | 151 |
| 146 | 138 | 138 | 144 | 148 | 160 | 172 |
| 168 | 166 | 173 | 189 | 206 | 217 | 230 |
| 197 | 187 | 188 | 161 | 147 | 154 | 163 |
| 161 | 159 | 164 | 168 | 171 | 189 | 205 |
| 191 | 182 | 191 | 207 | 226 | 242 | 256 |
| 249 | 240 | 221 | 180 | 162 | 173 | 192 |
| 151 | 141 | 130 | 110 | 103 | 114 | 127 |
| 113 | 100 | 103 | 84 | 81 | 91 | 103 |
| 70 | 49 | 40 | 15 | 0 | 2 | 11 |
| 38 | 36 | 44 | 56 | 66 | 77 | 88 |
| 70 | 54 | 50 | 38 | 39 | 50 | 61 |
| 49 | 39 | 44 | 31 | 27 | 32 | 41 |
| 37 | 33 | 32 | 21 | 11 | 14 | 22 |
| 27 | 12 | 6 | 1 | 3 | 10 | 19 |
| 38 | 35 | 46 | 52 | 56 | 67 | 79 |
| 63 | 56 | 60 | 52 | 46 | 53 | 64 |
| 47 | 42 | 41 | 34 | 36 | 46 | 57 |
| 55 | 50 | 58 | 67 | 77 | 88 | 101 |
| 104 | 101 | 103 | 100 | 101 | 114 | 114 |
| 112 | 106 | 109 | 105 | 110 | 124 | 134 |
| 123 | 115 | 114 | 98 | 100 | 106 | 117 |
| 36 | 33 | 35 | 34 | 39 | 50 | 61 |
| 38 | 33 | 30 | 3 | 0 | 1 | 9 |
| 34 | 33 | 38 | 44 | 38 | 45 | 56 |
| 57 | 50 | 52 | 47 | 54 | 66 | 78 |
| 77 | 74 | 80 | 85 | 89 | 101 | 115 |
| 51 | 41 | 42 | 29 | 22 | 26 | 36 |
| 38 | 33 | 42 | 43 | 40 | 51 | 62 |
| 58 | 43 | 36 | 12 | 2 | 7 | 15 |
| 38 | 35 | 45 | 58 | 68 | 79 | 90 |
| 90 | 84 | 88 | 94 | 105 | 119 | 130 |
| 132 | 129 | 133 | 141 | 152 | 161 | 169 |
| 159 | 153 | 152 | 147 | 144 | 153 | 163 |
| 139 | 132 | 133 | 107 | 95 | 104 | 117 |
| 106 | 102 | 107 | 114 | 122 | 136 | 146 |
| 82 | 75 | 71 | 63 | 54 | 59 | 69 |
| 62 | 58 | 65 | 66 | 77 | 89 | 101 |
| 80 | 69 | 67 | 46 | 24 | 19 | 27 |
| 38 | 34 | 43 | 52 | 61 | 72 | 84 |
| 39 | 32 | 21 | 0 | 0 | 2 | 12 |
| 8 | 5 | 10 | 9 | 13 | 23 | 33 |
| 38 | 34 | 39 | 40 | 36 | 44 | 56 |
| 51 | 45 | 54 | 55 | 64 | 76 | 88 |
| 64 | 53 | 58 | 47 | 46 | 58 | 69 |
| 43 | 33 | 28 | 17 | 18 | 25 | 35 |
| 38 | 33 | 37 | 34 | 25 | 31 | 41 |
| 42 | 40 | 50 | 60 | 72 | 82 | 93 |
| 101 | 101 | 108 | 116 | 125 | 136 | 144 |
| 127 | 108 | 104 | 90 | 56 | 62 | 83 |
| 73 | 60</ | | | | | |

STUDY: 1995C06F-SWRCBDS-622A DWRSIM: recirc818VA, 09 Apr 98
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCBDS-622A/81/ELEVATION-EOP/1/MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|-----|-----|
| 1922 | 599 | 582 | 579 | 601 | 656 | 690 | 699 | 723 | 781 | 778 | 762 | 751 | 142 | 133 | 109 | 51 | 54 | 70 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 9 | 24 | 58 | -3 | -16 | -11 | 6 | 6 | 6 | 6 | 5 | 2 | 3 | 34 | 238 |
| 1923 | 745 | 744 | 747 | 759 | 774 | 783 | 787 | 789 | 798 | 792 | 776 | 767 | 49 | 45 | 43 | 34 | 40 | 56 | 65 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 4 | 2 | 9 | -6 | -16 | -9 | 6 | 6 | 6 | 6 | 4 | 2 | 4 | 34 | 238 |
| 1924 | 761 | 758 | 753 | 751 | 753 | 750 | 745 | 739 | 730 | 717 | 703 | 695 | 82 | 87 | 93 | 102 | 115 | 129 | 137 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -3 | -5 | -6 | -9 | -13 | -14 | -8 | 5 | 5 | 4 | 3 | 3 | 4 | 3 | 28 | 196 |
| 1925 | 692 | 692 | 693 | 697 | 719 | 736 | 748 | 761 | 779 | 769 | 753 | 742 | 96 | 84 | 71 | 53 | 63 | 79 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 12 | 13 | 18 | -10 | -16 | -11 | 5 | 6 | 6 | 6 | 4 | 2 | 3 | 33 | 231 |
| 1926 | 736 | 734 | 729 | 728 | 737 | 742 | 756 | 769 | 766 | 751 | 736 | 726 | 90 | 76 | 63 | 66 | 81 | 96 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 14 | 13 | -3 | -15 | -15 | -10 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 |
| 1927 | 721 | 720 | 725 | 732 | 761 | 776 | 786 | 786 | 805 | 798 | 783 | 773 | 56 | 46 | 46 | 27 | 34 | 49 | 59 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 10 | 0 | 19 | -7 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 |
| 1928 | 767 | 767 | 767 | 770 | 779 | 797 | 802 | 818 | 818 | 803 | 788 | 779 | 35 | 30 | 14 | 14 | 29 | 44 | 53 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 11 | 18 | 5 | 16 | 0 | -15 | -15 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 |
| 1929 | 772 | 767 | 764 | 763 | 766 | 768 | 768 | 770 | 778 | 769 | 759 | 752 | 64 | 64 | 62 | 54 | 63 | 73 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 2 | 8 | -9 | -10 | -7 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1930 | 749 | 746 | 743 | 744 | 749 | 757 | 758 | 761 | 774 | 765 | 756 | 749 | 75 | 74 | 71 | 58 | 67 | 76 | 83 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 1 | 3 | 13 | -9 | -9 | -7 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1931 | 747 | 746 | 746 | 748 | 750 | 749 | 742 | 734 | 722 | 708 | 695 | 688 | 83 | 90 | 98 | 110 | 124 | 137 | 144 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | -7 | -8 | -12 | -14 | -13 | -7 | 5 | 4 | 4 | 3 | 3 | 4 | 26 | 182 | |
| 1932 | 685 | 681 | 691 | 706 | 742 | 757 | 757 | 763 | 781 | 776 | 762 | 751 | 75 | 75 | 69 | 51 | 56 | 70 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 0 | 6 | 18 | -5 | -14 | -11 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 245 |
| 1933 | 744 | 737 | 731 | 731 | 736 | 739 | 737 | 733 | 751 | 739 | 725 | 714 | 93 | 95 | 99 | 81 | 93 | 107 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -2 | -4 | 18 | -12 | -14 | -11 | 6 | 5 | 5 | 6 | 3 | 3 | 3 | 31 | 217 |
| 1934 | 707 | 706 | 703 | 706 | 717 | 726 | 724 | 718 | 714 | 698 | 684 | 674 | 106 | 108 | 114 | 118 | 134 | 148 | 158 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -2 | -6 | -4 | -16 | -14 | -10 | 6 | 5 | 4 | 5 | 2 | 3 | 4 | 29 | 203 |
| 1935 | 668 | 668 | 669 | 683 | 704 | 719 | 741 | 752 | 780 | 768 | 751 | 739 | 113 | 91 | 80 | 52 | 64 | 81 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 22 | 11 | 28 | -12 | -17 | -12 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 |
| 1936 | 733 | 731 | 726 | 731 | 769 | 785 | 794 | 811 | 829 | 820 | 805 | 794 | 47 | 38 | 21 | 0 | 13 | 27 | 38 | 1 | 1 | 1 | 5 | 3 | 1 | 1 | 13 | 16 | 9 | 17 | 18 | -9 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 442 |
| 1937 | 788 | 783 | 779 | 782 | 800 | 800 | 802 | 815 | 832 | 819 | 805 | 795 | 32 | 30 | 17 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 1 | 15 | 0 | 2 | 13 | 17 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 510 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 | 32 | 32 | 28 | 1 | 0 | 13 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 1 | 18 | 0 | 0 | 4 | 27 | 1 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 648 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 803 | 798 | 786 | 773 | 765 | 32 | 30 | 29 | 34 | 46 | 59 | 87 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 1 | -5 | -12 | -13 | -8 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 |
| 1940 | 763 | 762 | 760 | 772 | 800 | 800 | 802 | 815 | 828 | 813 | 798 | 788 | 32 | 30 | 17 | 4 | 19 | 34 | 44 | 1 | 1 | 2 | 5 | 2 | 1 | 1 | 13 | 0 | 2 | 13 | 13 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 442 |
| 1941 | 782 | 780 | 782 | 797 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 | 32 | 32 | 20 | 0 | 1 | 15 | 24 | 1 | 1 | 1 | 6 | 5 | 2 | 1 | 17 | 0 | 0 | 12 | 20 | -1 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 612 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 | 32 | 30 | 25 | 1 | 0 | 14 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 1 | 18 | 0 | 2 | 5 | 24 | 1 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 666 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 | 32 | 30 | 11 | 0 | 8 | 22 | 33 | 1 | 1 | 3 | 6 | 4 | 1 | 1 | 17 | 0 | 2 | 19 | 11 | -8 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 34 | 578 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 800 | 805 | 812 | 800 | 785 | 775 | 32 | 32 | 27 | 20 | 32 | 47 | 57 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 0 | 5 | 7 | -12 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 |
| 1945 | 770 | 770 | 774 | 779 | 800 | 800 | 802 | 806 | 830 | 824 | 809 | 798 | 32 | 30 | 26 | 2 | 8 | 23 | 34 | 1 | 1 | 1 | 5 | 4 | 1 | 1 | 14 | 0 | 2 | 4 | 24 | -6 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 476 |
| 1946 | 795 | 796 | 800 | 800 | 800 | 800 | 802 | 805 | 811 | 795 | 779 | 768 | 32 | 30 | 27 | 21 | 37 | 53 | 64 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 3 | 6 | -16 | -16 | -11 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 |
| 1947 | 762 | 762 | 764 | 767 | 775 | 780 | 776 | 790 | 774 | 761 | 747 | 739 | 52 | 56 | 52 | 58 | 71 | 85 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -4 | -4 | -6 | -13 | -14 | -8 | 6 | 5 | 6 | 4 | 3 | 3 | 4 | 31 | 217 |
| 1948 | 736 | 736 | 735 | 736 | 737 | 738 | 733 | 742 | 768 | 757 | 739 | 729 | 94 | 99 | 94 | 64 | 75 | 93 | 103 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -5 | 9 | 26 | -11 | -18 | -10 | 6 | 5 | 6 | 6 | 3 | 2 | 4 | 32 | 224 |
| 1949 | 723 | 716 | 711 | 710 | 717 | 728 | 735 | 744 | 751 | 734 | 714 | 701 | 104 | 97 | 88 | 81 | 98 | 118 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 7 | 9 | 7 | -17 | -20 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 |
| 1950 | 695 | 688 | 682 | 688 | 707 | 720 | 729 | 740 | 757 | 741 | 723 | 710 | 112 | 103 | 92 | 75 | 91 | 109 | 122 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 9 | 11 | 17 | -16 | -18 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 |
| 1951 | 705 | 753 | 800 | 800 | 800 | 800 | 800 | 796 | 792 | 796 | 781 | 767 | 757 | 32 | 36 | 40 | 36 | 51 | 65 | 75 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -4 | -4 | 4 | -15 | -14 | -10 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 |
| 1952 | 750 | 748 | 754 | 780 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 | 32 | 32 | 12 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 1 | 21 | 0 | 0 | 20 | 12 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 801 | 802 | 812 | 808 | 794 | 785 | 32 | 31 | 30 | 20 | 24 | 38 | 47 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 1 | 1 | 10 | -4 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 252 |
| 1954 | 780 | 776 | 773 | 775 | 783 | 795 | 802 | 819 | 820 | 805 | 789 | 780 | 37 | 30 | 13 | 12 | 27 | 43 | 52 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 11 | 12 | 7 | 17 | 1 | -15 | -16 | -9 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 363 |
| 1955 | 774 | 770 | 768 | 774 | 781 | 784 | 781 | 785 | 791 | 779 | 767 | 760 | 48 | 51 | 47 | 41 | 53 | 65 | 72 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -3 | 4 | 6 | -12 | -12 | -7 | 6 | 5 | 6 | 6 | 3 | 3 | 4 | 33 | 231 |
| 1956 | 755 | 751 | 800 | 800 | 800 | 800 | 801 | 816 | 832 | 832 | 818 | 808 | 32 | 31 | 16 | 0 | 0 | 14 | 24 | 1 | 1 | 2 | 6 | 6 | 3 | 1 | 20 | 0 | 1 | 15 | 16 | 0 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 740 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 799 | 804 | 825 | 812 | 798 | 789 | 32 | 33 | 28 | 7 | 20 | 34 | 43 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 10 | 1 | -1 | 5 | 21 | -13 | -14 | -9 | 6 | 5 | 6 | 6 | 3 | 3 | 4 | 33 | 330 |
| 1958 | 784 | 779 | 777 | 781 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 | 32 | 32 | 11 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 1</ | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCBDS-622A DWRSIM: recirc818VA_09 Apr 98
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCBDS-622A/20/ELEVATION-EOP/1/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 867

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 675 | 675 | 691 | 707 | 756 | 777 | 785 | 837 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 846 | 851 | 841 | 826 | 815 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 805 | 803 | 790 | 772 | 758 | 746 |
| 1925 | 742 | 748 | 755 | 760 | 784 | 794 | 810 | 831 | 835 | 822 | 804 | 792 |
| 1926 | 787 | 787 | 788 | 790 | 803 | 809 | 827 | 820 | 819 | 815 | 807 | 799 |
| 1927 | 795 | 796 | 800 | 800 | 808 | 814 | 815 | 839 | 852 | 847 | 843 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 804 | 813 | 811 | 804 | 800 | 797 |
| 1929 | 794 | 793 | 792 | 792 | 794 | 796 | 794 | 794 | 794 | 796 | 799 | 793 |
| 1930 | 789 | 788 | 788 | 787 | 787 | 782 | 784 | 781 | 786 | 789 | 793 | 791 |
| 1931 | 787 | 786 | 786 | 787 | 789 | 789 | 792 | 795 | 781 | 763 | 747 | 735 |
| 1932 | 730 | 731 | 753 | 766 | 802 | 811 | 817 | 838 | 859 | 849 | 833 | 823 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 814 | 819 | 834 | 822 | 807 | 799 |
| 1934 | 795 | 794 | 797 | 803 | 808 | 816 | 819 | 809 | 800 | 783 | 769 | 760 |
| 1935 | 756 | 760 | 765 | 783 | 795 | 805 | 839 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 826 | 823 | 810 | 792 | 774 | 763 |
| 1940 | 762 | 763 | 764 | 793 | 808 | 820 | 836 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 837 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 807 | 828 | 831 | 817 | 799 | 785 |
| 1945 | 779 | 786 | 793 | 797 | 808 | 820 | 832 | 850 | 863 | 853 | 838 | 828 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 832 | 851 | 850 | 834 | 816 | 803 |
| 1947 | 800 | 806 | 808 | 808 | 808 | 815 | 819 | 829 | 822 | 806 | 790 | 780 |
| 1948 | 777 | 778 | 779 | 781 | 783 | 782 | 785 | 806 | 826 | 809 | 791 | 776 |
| 1949 | 770 | 769 | 770 | 771 | 776 | 785 | 793 | 811 | 810 | 788 | 767 | 749 |
| 1950 | 742 | 741 | 741 | 751 | 766 | 769 | 786 | 805 | 806 | 785 | 763 | 745 |
| 1951 | 738 | 800 | 808 | 808 | 808 | 819 | 820 | 828 | 825 | 805 | 784 | 768 |
| 1952 | 762 | 763 | 776 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 809 | 805 | 813 | 798 | 778 | 762 |
| 1954 | 756 | 756 | 756 | 760 | 770 | 784 | 801 | 817 | 808 | 787 | 765 | 747 |
| 1955 | 740 | 738 | 742 | 750 | 756 | 759 | 756 | 777 | 788 | 771 | 752 | 740 |
| 1956 | 733 | 733 | 808 | 808 | 808 | 819 | 826 | 855 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 807 | 818 | 829 | 811 | 793 | 777 |
| 1958 | 771 | 772 | 777 | 784 | 801 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 815 | 815 | 806 | 785 | 768 | 751 |
| 1960 | 757 | 755 | 755 | 756 | 769 | 777 | 790 | 801 | 798 | 781 | 767 | 750 |
| 1961 | 751 | 752 | 755 | 755 | 759 | 760 | 766 | 770 | 762 | 740 | 723 | 711 |
| 1962 | 704 | 705 | 708 | 711 | 759 | 768 | 790 | 800 | 817 | 802 | 782 | 766 |
| 1963 | 762 | 762 | 763 | 772 | 808 | 814 | 819 | 839 | 853 | 844 | 829 | 817 |
| 1964 | 808 | 808 | 808 | 808 | 808 | 808 | 809 | 816 | 814 | 798 | 781 | 772 |
| 1965 | 766 | 770 | 808 | 808 | 808 | 815 | 831 | 848 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 821 | 829 | 816 | 793 | 771 | 759 |
| 1967 | 751 | 754 | 780 | 794 | 804 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 809 | 810 | 801 | 781 | 764 | 752 |
| 1969 | 744 | 750 | 760 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 814 | 828 | 828 | 810 | 791 | 776 |
| 1971 | 770 | 773 | 784 | 794 | 800 | 804 | 799 | 808 | 820 | 803 | 784 | 769 |
| 1972 | 763 | 763 | 771 | 776 | 784 | 796 | 797 | 809 | 810 | 794 | 777 | 770 |
| 1973 | 767 | 768 | 775 | 790 | 808 | 820 | 827 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 822 | 849 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 806 | 804 | 793 | 775 | 762 | 752 |
| 1977 | 747 | 745 | 743 | 743 | 743 | 738 | 727 | 711 | 696 | 663 | 628 | 626 |
| 1978 | 626 | 626 | 641 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 826 | 858 | 862 | 848 | 833 | 822 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 817 | 826 | 822 | 805 | 791 | 782 |
| 1982 | 778 | 787 | 801 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 822 | 841 | 839 | 823 | 803 | 789 |
| 1985 | 785 | 789 | 793 | 796 | 802 | 807 | 820 | 830 | 824 | 808 | 794 | 783 |
| 1986 | 780 | 783 | 790 | 799 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 817 | 817 | 807 | 791 | 777 | 769 |
| 1988 | 765 | 766 | 768 | 773 | 778 | 783 | 786 | 786 | 778 | 761 | 744 | 733 |
| 1989 | 727 | 727 | 729 | 730 | 735 | 756 | 779 | 792 | 788 | 771 | 757 | 745 |
| 1990 | 744 | 745 | 746 | 749 | 754 | 761 | 773 | 774 | 765 | 746 | 728 | 716 |
| 1991 | 710 | 709 | 708 | 707 | 707 | 729 | 736 | 761 | 775 | 762 | 746 | 734 |
| 1992 | 729 | 730 | 732 | 734 | 751 | 758 | 775 | 781 | 769 | 754 | 737 | 726 |
| 1993 | 721 | 721 | 727 | 777 | 799 | 820 | 834 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 811 | 814 | 806 | 790 | 776 | 767 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 90 | 82 | 30 | 0 | 7 | 21 | 31 | 1 |
| 54 | 44 | 21 | 16 | 26 | 41 | 52 | 1 |
| 60 | 62 | 64 | 77 | 95 | 109 | 121 | 1 |
| 73 | 57 | 36 | 32 | 45 | 63 | 75 | 1 |
| 58 | 40 | 47 | 48 | 52 | 60 | 68 | 1 |
| 53 | 52 | 28 | 15 | 20 | 24 | 27 | 1 |
| 58 | 63 | 54 | 56 | 63 | 67 | 70 | 1 |
| 71 | 73 | 73 | 73 | 71 | 68 | 74 | 1 |
| 85 | 83 | 86 | 81 | 78 | 74 | 76 | 1 |
| 78 | 75 | 72 | 86 | 104 | 120 | 132 | 1 |
| 56 | 50 | 29 | 8 | 18 | 34 | 44 | 1 |
| 56 | 53 | 48 | 33 | 45 | 60 | 68 | 1 |
| 51 | 48 | 58 | 67 | 84 | 98 | 107 | 1 |
| 62 | 28 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 8 | 2 | 14 | 29 | 40 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 |
| 51 | 41 | 44 | 57 | 75 | 93 | 104 | 1 |
| 47 | 31 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 30 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 60 | 38 | 36 | 50 | 68 | 82 | 1 |
| 47 | 35 | 17 | 4 | 14 | 29 | 39 | 1 |
| 49 | 35 | 16 | 17 | 33 | 51 | 64 | 1 |
| 52 | 48 | 38 | 45 | 61 | 77 | 87 | 1 |
| 85 | 82 | 61 | 41 | 58 | 76 | 91 | 1 |
| 82 | 74 | 56 | 57 | 79 | 100 | 118 | 1 |
| 98 | 81 | 62 | 61 | 82 | 104 | 122 | 1 |
| 48 | 47 | 39 | 42 | 62 | 83 | 99 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 58 | 62 | 54 | 69 | 89 | 105 | 1 |
| 83 | 66 | 50 | 59 | 80 | 102 | 120 | 1 |
| 108 | 111 | 90 | 79 | 96 | 115 | 127 | 1 |
| 41 | 41 | 12 | 0 | 4 | 17 | 27 | 1 |
| 54 | 60 | 49 | 38 | 56 | 74 | 90 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 52 | 52 | 61 | 82 | 99 | 106 | 1 |
| 90 | 77 | 66 | 69 | 86 | 106 | 110 | 1 |
| 107 | 101 | 97 | 105 | 127 | 144 | 156 | 1 |
| 99 | 77 | 67 | 50 | 65 | 85 | 101 | 1 |
| 53 | 48 | 28 | 14 | 23 | 38 | 50 | 1 |
| 59 | 58 | 51 | 53 | 69 | 86 | 95 | 1 |
| 52 | 36 | 19 | 0 | 6 | 17 | 27 | 1 |
| 53 | 46 | 38 | 51 | 74 | 96 | 108 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 58 | 57 | 66 | 86 | 103 | 115 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 53 | 39 | 39 | 57 | 76 | 91 | 1 |
| 63 | 68 | 59 | 47 | 64 | 83 | 98 | 1 |
| 71 | 70 | 58 | 57 | 73 | 90 | 97 | 1 |
| 47 | 40 | 8 | 0 | 15 | 29 | 39 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 45 | 18 | 0 | 11 | 25 | 35 | 1 |
| 58 | 61 | 63 | 74 | 92 | 105 | 115 | 1 |
| 129 | 140 | 156 | 171 | 204 | 239 | 241 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 41 | 9 | 5 | 19 | 34 | 45 | 1 |
| 47 | 33 | 8 | 0 | 0 | 12 | 27 | 1 |
| 54 | 50 | 41 | 45 | 62 | 76 | 85 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | |

STUDY: 1995C06F-SWRCBDS-622A DWRSIM: recirc818VA, 09 Apr 98
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCBDS-622A/18/ELEVATION-EOP/1/IMON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else 1
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else 1
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 484 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 484 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 481 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 490 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 564 | 520 | 503 | |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 3 | 2 | 6 | 6 | 3 | 1 | 1 | 22 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 | 2 | 4 | 6 | 1 | 1 | 1 | 17 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 73 | 60 | 60 | 68 | 94 | 110 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 | 1 | 3 | 5 | 1 | 1 | 1 | 13 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 | 3 | 6 | 3 | 1 | 1 | 1 | 17 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 | 6 | 6 | 6 | 1 | 1 | 1 | 25 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 1 | 1 | 1 | 5 | 6 | 1 | 1 | 16 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | 5 | 5 | 4 | 6 | 4 | 1 | 1 | 26 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | 1 | 1 | 3 | 6 | 1 | 1 | 1 | 14 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 | 6 | 5 | 6 | 3 | 1 | 1 | 1 | 23 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 4 | 3 | 4 | 6 | 1 | 1 | 1 | 20 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 9 | 17 | 50 | 0 | 5 | 61 | 68 | 4 | 2 | 1 | 6 | 4 | 1 | 1 | 19 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | | | | | | | | |

Flow Alternative 8

STUDY: 1995C06F-SWRCBDS-622A DWRSIM: recirc818VA, 09 Apr 98
 CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCBDS-622A/12/ELEVATION-EOP/1/MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 441 | 476 | 520 | 539 | 544 | 533 | 519 | 502 | 467 | 418 | 428 |
| 1923 | 461 | 486 | 491 | 506 | 517 | 525 | 517 | 492 | 453 | 437 | 425 | 409 |
| 1924 | 427 | 440 | 453 | 502 | 532 | 532 | 520 | 496 | 462 | 423 | 380 | 377 |
| 1925 | 375 | 385 | 431 | 463 | 511 | 526 | 516 | 488 | 454 | 416 | 353 | 343 |
| 1926 | 367 | 386 | 407 | 465 | 507 | 517 | 507 | 477 | 446 | 440 | 387 | 384 |
| 1927 | 392 | 433 | 472 | 519 | 544 | 544 | 532 | 513 | 481 | 456 | 420 | 430 |
| 1928 | 463 | 494 | 503 | 518 | 530 | 537 | 527 | 501 | 456 | 436 | 419 | 405 |
| 1929 | 417 | 444 | 473 | 521 | 538 | 544 | 534 | 520 | 498 | 466 | 432 | 430 |
| 1930 | 430 | 435 | 480 | 529 | 541 | 544 | 523 | 491 | 460 | 450 | 436 | 413 |
| 1931 | 418 | 422 | 422 | 465 | 478 | 481 | 470 | 457 | 448 | 419 | 369 | 366 |
| 1932 | 381 | 381 | 444 | 503 | 531 | 524 | 508 | 485 | 466 | 466 | 440 | 426 |
| 1933 | 437 | 444 | 445 | 500 | 510 | 519 | 512 | 498 | 475 | 441 | 397 | 397 |
| 1934 | 410 | 407 | 454 | 507 | 518 | 518 | 505 | 481 | 460 | 438 | 375 | 359 |
| 1935 | 366 | 377 | 401 | 467 | 476 | 512 | 507 | 486 | 458 | 426 | 361 | 358 |
| 1936 | 399 | 423 | 446 | 500 | 541 | 544 | 533 | 510 | 473 | 450 | 417 | 408 |
| 1937 | 428 | 441 | 467 | 516 | 533 | 542 | 544 | 540 | 510 | 462 | 413 | 402 |
| 1938 | 433 | 466 | 499 | 515 | 530 | 541 | 544 | 544 | 538 | 505 | 472 | 487 |
| 1939 | 516 | 525 | 530 | 543 | 544 | 544 | 525 | 492 | 461 | 450 | 437 | 417 |
| 1940 | 423 | 421 | 417 | 482 | 520 | 527 | 519 | 496 | 451 | 427 | 354 | 358 |
| 1941 | 395 | 428 | 466 | 518 | 541 | 544 | 541 | 538 | 523 | 472 | 431 | 450 |
| 1942 | 481 | 495 | 501 | 516 | 528 | 532 | 523 | 508 | 500 | 461 | 420 | 438 |
| 1943 | 471 | 486 | 492 | 507 | 519 | 531 | 533 | 529 | 500 | 464 | 415 | 419 |
| 1944 | 454 | 485 | 501 | 516 | 530 | 537 | 520 | 488 | 455 | 441 | 426 | 413 |
| 1945 | 419 | 457 | 492 | 519 | 536 | 542 | 521 | 491 | 455 | 436 | 413 | 404 |
| 1946 | 440 | 473 | 499 | 515 | 525 | 532 | 515 | 486 | 447 | 428 | 412 | 400 |
| 1947 | 425 | 457 | 490 | 523 | 536 | 544 | 522 | 485 | 450 | 434 | 422 | 407 |
| 1948 | 411 | 419 | 419 | 472 | 489 | 511 | 504 | 480 | 447 | 414 | 355 | 366 |
| 1949 | 398 | 427 | 459 | 504 | 525 | 544 | 521 | 487 | 448 | 427 | 406 | 396 |
| 1950 | 407 | 421 | 430 | 484 | 523 | 531 | 514 | 482 | 450 | 434 | 416 | 409 |
| 1951 | 433 | 465 | 502 | 529 | 539 | 544 | 522 | 493 | 450 | 422 | 398 | 397 |
| 1952 | 424 | 455 | 485 | 521 | 534 | 539 | 543 | 544 | 536 | 509 | 490 | 498 |
| 1953 | 506 | 514 | 519 | 532 | 542 | 544 | 527 | 509 | 488 | 468 | 431 | 448 |
| 1954 | 480 | 498 | 506 | 521 | 532 | 539 | 525 | 500 | 451 | 427 | 405 | 397 |
| 1955 | 430 | 461 | 491 | 523 | 535 | 542 | 520 | 489 | 461 | 452 | 423 | 419 |
| 1956 | 431 | 443 | 485 | 520 | 534 | 544 | 526 | 504 | 482 | 449 | 418 | 429 |
| 1957 | 456 | 482 | 488 | 502 | 516 | 524 | 511 | 488 | 456 | 443 | 434 | 426 |
| 1958 | 458 | 489 | 514 | 530 | 542 | 544 | 544 | 544 | 535 | 498 | 478 | 492 |
| 1959 | 501 | 510 | 514 | 527 | 539 | 544 | 521 | 485 | 449 | 432 | 418 | 417 |
| 1960 | 428 | 441 | 452 | 499 | 538 | 544 | 523 | 490 | 458 | 437 | 381 | 358 |
| 1961 | 391 | 428 | 464 | 511 | 540 | 544 | 522 | 487 | 459 | 449 | 430 | 409 |
| 1962 | 416 | 421 | 459 | 492 | 529 | 536 | 512 | 475 | 424 | 395 | 333 | 344 |
| 1963 | 383 | 418 | 450 | 495 | 527 | 535 | 528 | 515 | 491 | 460 | 437 | 452 |
| 1964 | 481 | 509 | 518 | 533 | 544 | 544 | 515 | 474 | 430 | 405 | 383 | 387 |
| 1965 | 392 | 423 | 459 | 511 | 530 | 537 | 533 | 516 | 483 | 458 | 415 | 423 |
| 1966 | 455 | 484 | 492 | 507 | 518 | 525 | 505 | 471 | 430 | 412 | 398 | 391 |
| 1967 | 405 | 441 | 482 | 523 | 536 | 541 | 544 | 544 | 536 | 525 | 504 | 508 |
| 1968 | 515 | 526 | 530 | 543 | 544 | 544 | 525 | 489 | 450 | 431 | 416 | 410 |
| 1969 | 431 | 463 | 496 | 521 | 534 | 544 | 544 | 544 | 537 | 516 | 486 | 501 |
| 1970 | 517 | 525 | 530 | 544 | 544 | 544 | 523 | 490 | 446 | 425 | 409 | 405 |
| 1971 | 429 | 462 | 495 | 510 | 520 | 528 | 513 | 495 | 468 | 450 | 434 | 446 |
| 1972 | 474 | 502 | 520 | 536 | 544 | 544 | 520 | 482 | 442 | 423 | 407 | 395 |
| 1973 | 421 | 454 | 485 | 517 | 528 | 535 | 524 | 500 | 471 | 453 | 430 | 431 |
| 1974 | 463 | 492 | 511 | 527 | 538 | 542 | 541 | 518 | 489 | 459 | 432 | 444 |
| 1975 | 472 | 485 | 490 | 504 | 517 | 522 | 510 | 489 | 464 | 436 | 420 | 432 |
| 1976 | 460 | 486 | 493 | 508 | 523 | 534 | 517 | 490 | 472 | 468 | 448 | 432 |
| 1977 | 434 | 442 | 445 | 463 | 463 | 463 | 464 | 451 | 432 | 407 | 396 | 410 |
| 1978 | 414 | 431 | 481 | 529 | 544 | 544 | 544 | 544 | 526 | 469 | 413 | 433 |
| 1979 | 466 | 488 | 492 | 507 | 521 | 529 | 519 | 496 | 468 | 456 | 420 | 416 |
| 1980 | 451 | 485 | 510 | 527 | 542 | 544 | 542 | 544 | 527 | 490 | 450 | 467 |
| 1981 | 498 | 518 | 524 | 538 | 544 | 544 | 527 | 493 | 454 | 436 | 421 | 409 |
| 1982 | 422 | 457 | 490 | 522 | 535 | 542 | 544 | 544 | 531 | 494 | 461 | 471 |
| 1983 | 496 | 515 | 520 | 535 | 544 | 544 | 544 | 544 | 537 | 527 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 525 | 498 | 460 | 440 | 412 | 425 |
| 1985 | 459 | 488 | 496 | 511 | 524 | 531 | 508 | 471 | 428 | 408 | 391 | 395 |
| 1986 | 401 | 408 | 446 | 499 | 530 | 544 | 544 | 544 | 533 | 489 | 458 | 467 |
| 1987 | 496 | 511 | 537 | 544 | 544 | 544 | 522 | 485 | 457 | 447 | 425 | 413 |
| 1988 | 422 | 419 | 457 | 507 | 520 | 520 | 508 | 491 | 482 | 462 | 425 | 420 |
| 1989 | 419 | 437 | 469 | 498 | 498 | 532 | 518 | 486 | 450 | 438 | 386 | 395 |
| 1990 | 410 | 427 | 455 | 498 | 519 | 523 | 506 | 477 | 460 | 454 | 396 | 382 |
| 1991 | 384 | 391 | 391 | 405 | 405 | 465 | 464 | 453 | 436 | 414 | 397 | 400 |
| 1992 | 405 | 419 | 435 | 481 | 513 | 537 | 526 | 507 | 490 | 457 | 414 | 407 |
| 1993 | 407 | 414 | 463 | 519 | 530 | 534 | 520 | 503 | 487 | 453 | 408 | 415 |
| 1994 | 450 | 480 | 489 | 503 | 517 | 527 | 505 | 471 | 446 | 443 | 442 | 429 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 11 | 25 | 42 | 77 | 126 | 116 |
| 19 | 27 | 52 | 92 | 107 | 119 | 135 |
| 12 | 24 | 48 | 82 | 121 | 164 | 167 |
| 18 | 28 | 56 | 90 | 128 | 191 | 201 |
| 27 | 37 | 67 | 98 | 104 | 157 | 160 |
| 0 | 12 | 31 | 63 | 88 | 124 | 114 |
| 7 | 17 | 43 | 88 | 108 | 125 | 139 |
| 0 | 10 | 24 | 46 | 78 | 112 | 114 |
| 0 | 21 | 53 | 84 | 94 | 108 | 131 |
| 63 | 74 | 87 | 96 | 125 | 175 | 178 |
| 20 | 36 | 59 | 78 | 78 | 104 | 118 |
| 25 | 32 | 46 | 69 | 103 | 147 | 147 |
| 26 | 39 | 63 | 84 | 106 | 169 | 185 |
| 32 | 37 | 58 | 86 | 118 | 183 | 186 |
| 0 | 11 | 34 | 71 | 94 | 127 | 136 |
| 2 | 0 | 4 | 34 | 82 | 131 | 142 |
| 3 | 0 | 0 | 6 | 39 | 72 | 57 |
| 0 | 19 | 52 | 83 | 94 | 107 | 127 |
| 17 | 25 | 48 | 93 | 117 | 190 | 186 |
| 0 | 3 | 6 | 21 | 72 | 113 | 94 |
| 12 | 21 | 36 | 44 | 83 | 124 | 106 |
| 13 | 11 | 15 | 44 | 80 | 129 | 125 |
| 7 | 24 | 56 | 89 | 103 | 118 | 131 |
| 2 | 23 | 53 | 89 | 108 | 131 | 140 |
| 12 | 29 | 58 | 97 | 116 | 132 | 144 |
| 0 | 22 | 59 | 94 | 110 | 122 | 137 |
| 33 | 40 | 64 | 97 | 130 | 189 | 178 |
| 0 | 23 | 57 | 96 | 117 | 138 | 148 |
| 13 | 30 | 62 | 94 | 110 | 128 | 135 |
| 0 | 22 | 51 | 94 | 122 | 146 | 147 |
| 5 | 1 | 0 | 8 | 35 | 54 | 46 |
| 0 | 17 | 35 | 56 | 76 | 113 | 96 |
| 5 | 19 | 44 | 93 | 117 | 139 | 147 |
| 2 | 24 | 55 | 83 | 92 | 121 | 125 |
| 0 | 18 | 40 | 62 | 95 | 126 | 115 |
| 20 | 33 | 56 | 88 | 101 | 110 | 118 |
| 0 | 0 | 0 | 9 | 46 | 66 | 52 |
| 0 | 23 | 59 | 95 | 112 | 126 | 127 |
| 0 | 21 | 54 | 86 | 107 | 163 | 186 |
| 0 | 22 | 57 | 85 | 95 | 114 | 135 |
| 8 | 32 | 69 | 120 | 149 | 211 | 200 |
| 9 | 16 | 29 | 53 | 84 | 107 | 92 |
| 0 | 29 | 70 | 114 | 139 | 161 | 157 |
| 7 | 11 | 28 | 61 | 86 | 129 | 121 |
| 19 | 39 | 73 | 114 | 132 | 146 | 153 |
| 3 | 0 | 0 | 8 | 19 | 40 | 36 |
| 0 | 19 | 55 | 94 | 113 | 128 | 134 |
| 0 | 0 | 0 | 7 | 28 | 58 | 43 |
| 0 | 21 | 54 | 98 | 119 | 135 | 139 |
| 16 | 31 | 49 | 76 | 94 | 110 | 98 |
| 0 | 24 | 62 | 102 | 121 | 137 | 149 |
| 9 | 20 | 44 | 73 | 91 | 114 | 113 |
| 2 | 3 | 26 | 55 | 85 | 112 | 100 |
| 22 | 34 | 55 | 80 | 108 | 124 | 112 |
| 10 | 27 | 54 | 72 | 76 | 96 | 112 |
| 81 | 80 | 93 | 112 | 137 | 148 | 134 |
| 0 | 0 | 0 | 18 | 75 | 131 | 111 |
| 15 | 25 | 48 | 76 | 88 | 124 | 128 |
| 0 | 2 | 0 | 17 | 54 | 94 | 77 |
| 0 | 17 | 51 | 90 | 108 | 123 | 135 |
| 2 | 0 | 0 | 13 | 50 | 83 | 73 |
| 0 | 0 | | | | | |

Cumulative Impacts Analysis

STUDY: 1995C6F-SWRCB-492 DWRSIM: recirc818-f, 17 Jun 97
 CP # 4, CVP SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-492/4/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 1067'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index =

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1922 | 989 | 991 | 998 | 1,002 | 1,018 | 1,037 | 1,059 | 1,067 | 1,068 | 1,048 | 1,031 | 1,025 |
| 1923 | 1,023 | 1,017 | 1,019 | 1,023 | 1,024 | 1,026 | 1,038 | 1,034 | 1,023 | 1,003 | 986 | 978 |
| 1924 | 979 | 979 | 979 | 980 | 979 | 986 | 975 | 975 | 981 | 989 | 979 | 979 |
| 1925 | 883 | 899 | 908 | 918 | 993 | 1,008 | 1,040 | 1,051 | 1,042 | 1,018 | 1,003 | 996 |
| 1926 | 995 | 994 | 989 | 988 | 1,016 | 1,024 | 1,039 | 1,032 | 1,015 | 990 | 971 | 961 |
| 1927 | 960 | 987 | 1,010 | 1,035 | 1,026 | 1,052 | 1,067 | 1,067 | 1,062 | 1,044 | 1,027 | 1,022 |
| 1928 | 1,020 | 1,017 | 1,020 | 1,028 | 1,044 | 1,046 | 1,066 | 1,062 | 1,049 | 1,022 | 1,000 | 993 |
| 1929 | 988 | 988 | 989 | 989 | 995 | 1,001 | 1,002 | 995 | 986 | 965 | 947 | 937 |
| 1930 | 936 | 936 | 967 | 960 | 998 | 1,020 | 1,031 | 1,031 | 1,020 | 997 | 985 | 976 |
| 1931 | 974 | 974 | 972 | 976 | 980 | 988 | 980 | 970 | 959 | 941 | 927 | 912 |
| 1932 | 908 | 907 | 922 | 934 | 943 | 967 | 970 | 979 | 971 | 957 | 943 | 931 |
| 1933 | 929 | 924 | 925 | 927 | 930 | 966 | 974 | 979 | 975 | 965 | 941 | 929 |
| 1934 | 928 | 928 | 939 | 956 | 976 | 990 | 991 | 986 | 972 | 941 | 927 | 911 |
| 1935 | 905 | 916 | 921 | 942 | 962 | 995 | 1,029 | 1,037 | 1,029 | 1,006 | 992 | 985 |
| 1936 | 982 | 979 | 977 | 1,004 | 1,032 | 1,044 | 1,054 | 1,052 | 1,048 | 1,024 | 1,004 | 996 |
| 1937 | 992 | 987 | 983 | 977 | 978 | 1,005 | 1,035 | 1,043 | 1,040 | 1,018 | 999 | 991 |
| 1938 | 988 | 1,010 | 1,020 | 1,035 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,024 | 1,039 | 1,031 | 1,023 | 1,003 | 978 | 951 | 943 |
| 1940 | 940 | 934 | 943 | 992 | 1,017 | 1,025 | 1,059 | 1,064 | 1,057 | 1,035 | 1,018 | 1,012 |
| 1941 | 1,010 | 1,010 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,063 | 1,050 | 1,036 | 1,029 |
| 1944 | 1,023 | 1,017 | 1,015 | 1,014 | 1,023 | 1,033 | 1,038 | 1,038 | 1,024 | 999 | 979 | 970 |
| 1945 | 971 | 983 | 996 | 1,003 | 1,037 | 1,050 | 1,062 | 1,067 | 1,061 | 1,039 | 1,019 | 1,011 |
| 1946 | 1,010 | 1,017 | 1,018 | 1,033 | 1,031 | 1,043 | 1,055 | 1,057 | 1,047 | 1,028 | 1,013 | 1,005 |
| 1947 | 1,000 | 1,001 | 1,002 | 999 | 1,007 | 1,027 | 1,035 | 1,024 | 1,016 | 990 | 967 | 958 |
| 1948 | 965 | 969 | 972 | 1,000 | 999 | 1,016 | 1,056 | 1,067 | 1,067 | 1,052 | 1,036 | 1,031 |
| 1949 | 1,023 | 1,017 | 1,016 | 1,012 | 1,016 | 1,050 | 1,063 | 1,064 | 1,049 | 1,023 | 1,005 | 997 |
| 1950 | 993 | 991 | 988 | 997 | 1,013 | 1,031 | 1,047 | 1,046 | 1,036 | 1,014 | 997 | 990 |
| 1951 | 1,003 | 1,017 | 1,020 | 1,033 | 1,040 | 1,057 | 1,064 | 1,067 | 1,056 | 1,035 | 1,011 | 1,006 |
| 1952 | 1,004 | 1,009 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,051 | 1,065 | 1,067 | 1,067 | 1,057 | 1,045 | 1,036 |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,063 | 1,061 | 1,043 | 1,031 | 1,025 |
| 1955 | 1,022 | 1,017 | 1,022 | 1,024 | 1,027 | 1,032 | 1,044 | 1,052 | 1,039 | 1,011 | 993 | 987 |
| 1956 | 984 | 988 | 1,017 | 1,017 | 1,019 | 1,048 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 | 1,036 |
| 1957 | 1,023 | 1,017 | 1,016 | 1,017 | 1,035 | 1,052 | 1,058 | 1,067 | 1,063 | 1,044 | 1,031 | 1,028 |
| 1958 | 1,023 | 1,017 | 1,021 | 1,029 | 1,067 | 1,024 | 1,053 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1959 | 1,023 | 1,017 | 1,017 | 1,034 | 1,039 | 1,052 | 1,056 | 1,056 | 1,043 | 1,019 | 1,000 | 998 |
| 1960 | 991 | 987 | 987 | 993 | 1,021 | 1,048 | 1,055 | 1,063 | 1,052 | 1,029 | 1,010 | 1,005 |
| 1961 | 1,000 | 1,003 | 1,019 | 1,024 | 1,044 | 1,057 | 1,062 | 1,066 | 1,054 | 1,028 | 1,006 | 1,001 |
| 1962 | 997 | 999 | 1,011 | 1,007 | 1,035 | 1,053 | 1,066 | 1,067 | 1,058 | 1,036 | 1,015 | 1,009 |
| 1963 | 1,023 | 1,017 | 1,021 | 1,025 | 1,045 | 1,055 | 1,052 | 1,067 | 1,064 | 1,052 | 1,040 | 1,036 |
| 1964 | 1,023 | 1,017 | 1,018 | 1,033 | 1,037 | 1,041 | 1,036 | 1,031 | 1,022 | 998 | 980 | 971 |
| 1965 | 970 | 978 | 1,017 | 1,022 | 1,040 | 1,052 | 1,065 | 1,066 | 1,060 | 1,046 | 1,037 | 1,033 |
| 1966 | 1,023 | 1,017 | 1,021 | 1,037 | 1,049 | 1,055 | 1,067 | 1,064 | 1,053 | 1,034 | 1,012 | 1,005 |
| 1967 | 997 | 1,011 | 1,021 | 1,030 | 1,044 | 1,048 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1968 | 1,023 | 1,017 | 1,019 | 1,025 | 1,034 | 1,054 | 1,056 | 1,058 | 1,048 | 1,029 | 1,019 | 1,015 |
| 1969 | 1,011 | 1,012 | 1,021 | 1,022 | 1,027 | 1,048 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1970 | 1,023 | 1,017 | 1,020 | 1,017 | 1,025 | 1,052 | 1,055 | 1,054 | 1,048 | 1,030 | 1,015 | 1,009 |
| 1971 | 1,007 | 1,017 | 1,020 | 1,028 | 1,041 | 1,043 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1972 | 1,023 | 1,017 | 1,022 | 1,033 | 1,045 | 1,056 | 1,067 | 1,067 | 1,056 | 1,036 | 1,019 | 1,015 |
| 1973 | 1,016 | 1,017 | 1,021 | 1,030 | 1,034 | 1,053 | 1,065 | 1,067 | 1,059 | 1,039 | 1,023 | 1,018 |
| 1974 | 1,021 | 1,017 | 1,018 | 1,017 | 1,036 | 1,025 | 1,058 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1975 | 1,023 | 1,017 | 1,021 | 1,024 | 1,045 | 1,039 | 1,061 | 1,067 | 1,067 | 1,057 | 1,046 | 1,036 |
| 1976 | 1,023 | 1,017 | 1,018 | 1,017 | 1,012 | 1,020 | 1,027 | 1,023 | 1,005 | 985 | 980 | 975 |
| 1977 | 977 | 978 | 978 | 979 | 967 | 967 | 949 | 943 | 921 | 903 | 884 | 874 |
| 1978 | 863 | 862 | 909 | 1,015 | 1,031 | 1,047 | 1,067 | 1,067 | 1,066 | 1,054 | 1,043 | 1,036 |
| 1979 | 1,023 | 1,017 | 1,015 | 1,018 | 1,029 | 1,046 | 1,053 | 1,062 | 1,048 | 1,027 | 1,015 | 1,008 |
| 1980 | 1,008 | 1,011 | 1,014 | 1,025 | 1,019 | 1,046 | 1,059 | 1,064 | 1,058 | 1,047 | 1,037 | 1,034 |
| 1981 | 1,023 | 1,017 | 1,020 | 1,020 | 1,029 | 1,056 | 1,064 | 1,062 | 1,047 | 1,024 | 1,006 | 1,000 |
| 1982 | 996 | 1,017 | 1,018 | 1,033 | 1,029 | 1,046 | 1,051 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1983 | 1,023 | 1,017 | 1,020 | 1,022 | 1,017 | 1,045 | 1,050 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1984 | 1,023 | 1,017 | 1,018 | 1,034 | 1,047 | 1,056 | 1,064 | 1,067 | 1,063 | 1,047 | 1,035 | 1,032 |
| 1985 | 1,023 | 1,017 | 1,022 | 1,023 | 1,027 | 1,034 | 1,042 | 1,035 | 1,016 | 995 | 977 | 971 |
| 1986 | 973 | 977 | 988 | 1,014 | 1,017 | 1,029 | 1,048 | 1,050 | 1,039 | 1,020 | 1,005 | 1,002 |
| 1987 | 1,003 | 1,003 | 1,003 | 1,005 | 1,015 | 1,043 | 1,044 | 1,038 | 1,012 | 982 | 954 | 948 |
| 1988 | 944 | 945 | 976 | 998 | 1,005 | 1,008 | 1,015 | 1,015 | 998 | 967 | 949 | 942 |
| 1989 | 942 | 955 | 962 | 969 | 976 | 1,039 | 1,058 | 1,054 | 1,045 | 1,022 | 1,010 | 1,005 |
| 1990 | 1,008 | 1,006 | 1,003 | 1,009 | 1,009 | 1,017 | 1,009 | 1,015 | 1,007 | 981 | 965 | 956 |
| 1991 | 952 | 951 | 951 | 952 | 947 | 973 | 984 | 984 | 974 | 961 | 946 | 936 |
| 1992 | 934 | 933 | 934 | 938 | 977 | 999 | 1,010 | 1,003 | 987 | 968 | 955 | 946 |
| 1993 | 942 | 939 | 954 | 990 | 1,022 | 1,031 | 1,059 | 1,067 | 1,067 | 1,054 | 1,046 | 1,043 |
| 1994 | 1,042 | 1,017 | 1,019 | 1,020 | 1,026 | 1,030 | 1,030 | 1,029 | 1,009 | 988 | 968 | 958 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|------|-----|
| 30 | 8 | 0 | 5 | 19 | 36 | 42 |
| 41 | 29 | 33 | 44 | 64 | 81 | 89 |
| 81 | 92 | 106 | 128 | 150 | 168 | 188 |
| 59 | 27 | 16 | 25 | 49 | 64 | 71 |
| 43 | 28 | 35 | 52 | 77 | 96 | 106 |
| 15 | 0 | 5 | 23 | 40 | 45 | |
| 21 | 1 | 0 | 5 | 18 | 45 | 67 |
| 66 | 65 | 72 | 81 | 102 | 120 | 130 |
| 47 | 36 | 36 | 47 | 70 | 82 | 91 |
| 79 | 87 | 97 | 108 | 126 | 140 | 155 |
| 100 | 97 | 88 | 96 | 110 | 124 | 136 |
| 101 | 93 | 88 | 92 | 112 | 126 | 138 |
| 77 | 76 | 81 | 95 | 126 | 140 | 156 |
| 82 | 38 | 30 | 38 | 61 | 75 | 82 |
| 23 | 13 | 15 | 19 | 43 | 63 | 71 |
| 62 | 32 | 24 | 27 | 49 | 68 | 76 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 28 | 36 | 44 | 64 | 89 | 116 | 124 |
| 42 | 8 | 3 | 10 | 32 | 49 | 55 |
| 22 | 3 | 0 | 0 | 9 | 20 | 31 |
| 25 | 0 | 0 | 0 | 9 | 21 | 31 |
| 16 | 0 | 0 | 4 | 17 | 31 | 38 |
| 34 | 29 | 29 | 43 | 68 | 88 | 97 |
| 17 | 5 | 0 | 6 | 28 | 48 | 56 |
| 24 | 12 | 10 | 20 | 39 | 54 | 62 |
| 40 | 32 | 43 | 51 | 77 | 100 | 109 |
| 51 | 11 | 0 | 0 | 15 | 31 | 36 |
| 17 | 4 | 3 | 18 | 44 | 62 | 70 |
| 36 | 20 | 21 | 31 | 53 | 70 | 77 |
| 10 | 3 | 0 | 11 | 32 | 56 | 61 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 10 | 22 | 31 |
| 16 | 0 | 4 | 6 | 24 | 36 | 42 |
| 35 | 23 | 15 | 28 | 56 | 74 | 80 |
| 19 | 0 | 0 | 0 | 9 | 20 | 31 |
| 15 | 9 | 0 | 4 | 23 | 36 | 39 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 15 | 11 | 11 | 24 | 48 | 67 | 69 |
| 19 | 12 | 4 | 15 | 38 | 57</ | |

Cumulative Impacts Analysis

STUDY: 1995C6F-SWRCB-492 DWRSIM: recirc818-f, 17 JUN 97
 CP # 10, NEW MELONES RESERVOIR & CVP DIV, EOP SURFACE ELEVATION (FT)
 Project: /1995C6F-SWRCB-492/10/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 973 | 990 | 1013 | 1004 | 992 | 981 |
| 1923 | 980 | 984 | 994 | 1002 | 1008 | 1008 | 1006 | 1013 | 1013 | 1004 | 991 | 982 |
| 1924 | 981 | 983 | 987 | 991 | 994 | 994 | 986 | 974 | 961 | 949 | 937 | 933 |
| 1925 | 932 | 934 | 938 | 941 | 960 | 971 | 973 | 989 | 993 | 984 | 971 | 963 |
| 1926 | 962 | 963 | 966 | 968 | 979 | 982 | 983 | 973 | 960 | 945 | 931 | 923 |
| 1927 | 923 | 927 | 935 | 942 | 961 | 972 | 981 | 993 | 995 | 986 | 973 | 966 |
| 1928 | 967 | 973 | 978 | 982 | 990 | 1009 | 1007 | 1011 | 1003 | 992 | 977 | 970 |
| 1929 | 968 | 971 | 974 | 976 | 990 | 981 | 977 | 973 | 962 | 950 | 938 | 931 |
| 1930 | 931 | 933 | 935 | 939 | 945 | 953 | 952 | 947 | 943 | 930 | 914 | 901 |
| 1931 | 902 | 907 | 911 | 915 | 919 | 922 | 915 | 907 | 883 | 865 | 846 | 837 |
| 1932 | 836 | 839 | 850 | 859 | 882 | 893 | 893 | 926 | 941 | 934 | 922 | 911 |
| 1933 | 911 | 914 | 920 | 923 | 925 | 927 | 922 | 919 | 916 | 895 | 873 | 861 |
| 1934 | 862 | 866 | 872 | 878 | 897 | 897 | 888 | 874 | 854 | 835 | 815 | 802 |
| 1935 | 798 | 801 | 808 | 816 | 823 | 833 | 851 | 894 | 914 | 899 | 880 | 868 |
| 1936 | 867 | 871 | 877 | 894 | 927 | 938 | 950 | 973 | 980 | 970 | 957 | 949 |
| 1937 | 950 | 952 | 956 | 960 | 973 | 987 | 989 | 1011 | 1014 | 1005 | 995 | 989 |
| 1938 | 989 | 992 | 1002 | 1011 | 1030 | 1051 | 1059 | 1085 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 989 | 990 | 992 | 1004 | 1019 | 1035 | 1044 | 1055 | 1054 | 1041 | 1029 | 1022 |
| 1941 | 1021 | 1023 | 1029 | 1035 | 1045 | 1055 | 1051 | 1065 | 1071 | 1064 | 1055 | 1048 |
| 1942 | 1046 | 1047 | 1050 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1068 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1071 | 1062 | 1053 | 1045 |
| 1944 | 1044 | 1045 | 1046 | 1048 | 1050 | 1053 | 1048 | 1045 | 1038 | 1025 | 1012 | 1004 |
| 1945 | 1003 | 1007 | 1011 | 1017 | 1030 | 1039 | 1039 | 1051 | 1057 | 1049 | 1036 | 1029 |
| 1946 | 1029 | 1033 | 1043 | 1050 | 1050 | 1054 | 1052 | 1061 | 1058 | 1046 | 1034 | 1028 |
| 1947 | 1026 | 1029 | 1032 | 1034 | 1037 | 1040 | 1034 | 1025 | 1016 | 1006 | 995 | 989 |
| 1948 | 988 | 989 | 992 | 993 | 994 | 997 | 997 | 999 | 1007 | 998 | 988 | 981 |
| 1949 | 979 | 989 | 995 | 988 | 991 | 996 | 992 | 995 | 990 | 977 | 964 | 957 |
| 1950 | 955 | 956 | 958 | 966 | 976 | 985 | 984 | 996 | 1000 | 991 | 978 | 970 |
| 1951 | 969 | 1003 | 1043 | 1050 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 1000 |
| 1952 | 999 | 1001 | 1008 | 1022 | 1033 | 1046 | 1049 | 1078 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1038 | 1029 | 1016 | 1009 |
| 1954 | 1006 | 1008 | 1011 | 1014 | 1016 | 1024 | 1026 | 1029 | 1020 | 1007 | 994 | 984 |
| 1955 | 982 | 989 | 994 | 996 | 999 | 999 | 993 | 988 | 984 | 970 | 957 | 949 |
| 1956 | 949 | 951 | 984 | 1012 | 1026 | 1035 | 1026 | 1043 | 1054 | 1048 | 1036 | 1030 |
| 1957 | 1027 | 1029 | 1031 | 1034 | 1039 | 1046 | 1034 | 1031 | 1032 | 1019 | 1007 | 999 |
| 1958 | 984 | 997 | 999 | 1005 | 1014 | 1029 | 1036 | 1065 | 1079 | 1073 | 1063 | 1056 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 980 | 982 | 984 | 987 | 994 | 1000 | 997 | 992 | 981 | 967 | 954 | 944 |
| 1961 | 940 | 944 | 947 | 950 | 952 | 956 | 951 | 944 | 932 | 920 | 901 | 891 |
| 1962 | 891 | 894 | 898 | 901 | 918 | 925 | 927 | 936 | 939 | 928 | 912 | 898 |
| 1963 | 898 | 903 | 910 | 922 | 940 | 947 | 948 | 978 | 986 | 977 | 965 | 959 |
| 1964 | 959 | 964 | 968 | 974 | 979 | 983 | 977 | 969 | 961 | 947 | 934 | 926 |
| 1965 | 925 | 929 | 960 | 987 | 1000 | 1008 | 1016 | 1017 | 1022 | 1014 | 1003 | 996 |
| 1966 | 995 | 1000 | 1005 | 1010 | 1015 | 1020 | 1011 | 1010 | 1000 | 988 | 975 | 966 |
| 1967 | 965 | 968 | 980 | 994 | 1002 | 1014 | 1015 | 1038 | 1065 | 1069 | 1060 | 1054 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 995 | 984 |
| 1969 | 983 | 988 | 991 | 1021 | 1041 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1039 | 1025 | 1012 | 1005 |
| 1971 | 1004 | 1008 | 1016 | 1023 | 1029 | 1036 | 1027 | 1024 | 1024 | 1013 | 1000 | 993 |
| 1972 | 990 | 993 | 1000 | 1005 | 1007 | 1010 | 998 | 998 | 989 | 976 | 962 | 955 |
| 1973 | 955 | 958 | 963 | 979 | 997 | 1009 | 1010 | 1029 | 1032 | 1022 | 1012 | 1007 |
| 1974 | 1007 | 1013 | 1023 | 1036 | 1045 | 1055 | 1059 | 1070 | 1070 | 1061 | 1050 | 1042 |
| 1975 | 1041 | 1044 | 1047 | 1050 | 1050 | 1055 | 1050 | 1049 | 1062 | 1053 | 1042 | 1035 |
| 1976 | 1033 | 1036 | 1039 | 1041 | 1043 | 1046 | 1040 | 1031 | 1020 | 1010 | 1001 | 995 |
| 1977 | 995 | 996 | 997 | 998 | 998 | 998 | 990 | 980 | 971 | 958 | 946 | 940 |
| 1978 | 939 | 939 | 942 | 953 | 965 | 986 | 995 | 1012 | 1023 | 1021 | 1012 | 1009 |
| 1979 | 1009 | 1011 | 1015 | 1023 | 1036 | 1049 | 1049 | 1058 | 1053 | 1040 | 1026 | 1019 |
| 1980 | 1020 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 983 | 992 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1089 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1012 | 1006 |
| 1985 | 1006 | 1010 | 1016 | 1019 | 1024 | 1030 | 1027 | 1022 | 1012 | 1002 | 992 | 986 |
| 1986 | 986 | 989 | 993 | 1003 | 1050 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1044 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 999 | 999 | 999 | 1000 | 1002 | 1004 | 998 | 990 | 980 | 970 | 961 | 955 |
| 1989 | 954 | 954 | 955 | 956 | 958 | 970 | 967 | 962 | 954 | 943 | 931 | 927 |
| 1990 | 930 | 932 | 937 | 939 | 942 | 947 | 940 | 929 | 914 | 895 | 879 | 870 |
| 1991 | 869 | 870 | 875 | 875 | 875 | 883 | 878 | 873 | 857 | 838 | 821 | 813 |
| 1992 | 815 | 817 | 823 | 826 | 837 | 846 | 838 | 821 | 799 | 768 | 731 | 715 |
| 1993 | 723 | 737 | 759 | 789 | 885 | 940 | 928 | 933 | 944 | 934 | 924 | 920 |
| 1994 | 919 | 920 | 924 | 924 | 926 | 931 | 928 | 924 | 911 | 892 | 875 | 867 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 115 | 98 | 75 | 84 | 96 |
| 80 | 80 | 82 | 75 | 75 | 84 | 97 |
| 94 | 94 | 102 | 114 | 127 | 139 | 151 |
| 128 | 117 | 115 | 99 | 95 | 104 | 117 |
| 109 | 106 | 105 | 115 | 128 | 143 | 157 |
| 127 | 116 | 107 | 95 | 93 | 102 | 115 |
| 98 | 79 | 81 | 77 | 85 | 96 | 111 |
| 108 | 107 | 111 | 115 | 126 | 138 | 150 |
| 143 | 135 | 138 | 141 | 145 | 158 | 174 |
| 169 | 166 | 173 | 187 | 205 | 223 | 242 |
| 206 | 195 | 195 | 162 | 147 | 154 | 166 |
| 163 | 161 | 166 | 169 | 172 | 193 | 215 |
| 201 | 191 | 200 | 214 | 234 | 253 | 273 |
| 265 | 255 | 237 | 194 | 174 | 189 | 208 |
| 161 | 150 | 138 | 115 | 108 | 118 | 131 |
| 115 | 101 | 99 | 77 | 74 | 83 | 93 |
| 58 | 37 | 29 | 3 | 0 | 4 | 13 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 |
| 69 | 53 | 44 | 33 | 34 | 47 | 59 |
| 43 | 33 | 37 | 23 | 17 | 24 | 33 |
| 38 | 33 | 33 | 21 | 7 | 10 | 20 |
| 38 | 33 | 27 | 20 | 17 | 26 | 35 |
| 38 | 35 | 40 | 43 | 50 | 63 | 76 |
| 58 | 49 | 49 | 37 | 31 | 39 | 52 |
| 51 | 48 | 54 | 63 | 72 | 82 | 93 |
| 94 | 91 | 91 | 89 | 81 | 90 | 100 |
| 97 | 92 | 96 | 93 | 98 | 111 | 124 |
| 112 | 103 | 104 | 92 | 88 | 97 | 110 |
| 38 | 33 | 40 | 47 | 55 | 68 | 81 |
| 55 | 42 | 39 | 10 | 0 | 2 | 12 |
| 38 | 34 | 42 | 52 | 50 | 59 | 72 |
| 72 | 64 | 62 | 59 | 68 | 81 | 94 |
| 92 | 89 | 95 | 100 | 104 | 118 | 131 |
| 62 | 53 | 62 | 45 | 34 | 40 | 52 |
| 49 | 42 | 54 | 57 | 56 | 69 | 81 |
| 74 | 59 | 52 | 23 | 9 | 15 | 25 |
| 38 | 35 | 42 | 58 | 70 | 83 | 96 |
| 94 | 88 | 91 | 96 | 107 | 121 | 134 |
| 136 | 132 | 137 | 144 | 156 | 168 | 187 |
| 170 | 163 | 161 | 152 | 149 | 160 | 176 |
| 148 | 141 | 140 | 110 | 102 | 111 | 123 |
| 109 | 105 | 111 | 119 | 127 | 141 | 154 |
| 88 | 80 | 72 | 71 | 66 | 74 | 85 |
| 73 | 68 | 77 | 78 | 88 | 100 | 113 |
| 86 | 74 | 73 | 50 | 23 | 19 | 28 |
| 38 | 34 | 46 | 55 | 66 | 80 | 93 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 41 | 47 | 49 | 63 | 76 |
| 59 | 52 | 61 | 64 | 64 | 75 | 88 |
| 81 | 78 | 90 | 90 | 99 | 112 | 126 |
| 91 | 79 | 78 | 59 | 56 | 66 | 76 |
| 43 | 33 | 29 | 18 | 18 | 27 | 38 |
| 38 | 33 | 38 | 39 | 26 | 35 | 46 |
| 45 | 42 | 48 | 57 | 68 | 78 | 87 |
| 90 | 90 | 98 | 108 | 117 | 130 | 142 |
| 123 | 102 | 93 | 78 | 65 | 67 | 76 |
| 52 | 39 | 39 | 30 | 35 | 48 | 62 |
| 38 | 33 | 32 | 25 | 18 | 20 | 31 |
| 38 | 35 | 43 | 54 | 69 | 83 | 96 |
| 38 | 33 | 17 | 2 | 0 | 4 | 13 |
| 38 | 3 | | | | | |

Cumulative Impacts Analysis

STUDY: 1995C06F-SWRCB-492 DWRSIM: recirc818-f, 17 Jun 97
 CP # 81, NEW DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-492/81/ELEVATION-EOP/1/MONOUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 599 | 581 | 579 | 600 | 656 | 690 | 698 | 724 | 811 | 778 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 787 | 789 | 799 | 792 | 777 | 767 |
| 1924 | 761 | 759 | 754 | 752 | 753 | 751 | 746 | 740 | 731 | 718 | 704 | 696 |
| 1925 | 691 | 692 | 693 | 696 | 718 | 736 | 748 | 759 | 777 | 768 | 752 | 741 |
| 1926 | 734 | 732 | 727 | 726 | 735 | 739 | 753 | 765 | 762 | 746 | 731 | 721 |
| 1927 | 713 | 713 | 717 | 726 | 755 | 770 | 781 | 779 | 797 | 789 | 774 | 764 |
| 1928 | 758 | 758 | 759 | 762 | 770 | 789 | 797 | 814 | 814 | 799 | 784 | 774 |
| 1929 | 767 | 762 | 758 | 757 | 761 | 763 | 763 | 765 | 773 | 764 | 754 | 746 |
| 1930 | 742 | 739 | 736 | 737 | 743 | 750 | 751 | 754 | 768 | 759 | 749 | 742 |
| 1931 | 740 | 739 | 739 | 741 | 743 | 742 | 734 | 722 | 709 | 695 | 682 | 673 |
| 1932 | 669 | 664 | 676 | 693 | 732 | 747 | 748 | 752 | 769 | 764 | 748 | 737 |
| 1933 | 730 | 723 | 716 | 715 | 722 | 726 | 721 | 714 | 732 | 720 | 703 | 692 |
| 1934 | 683 | 681 | 678 | 682 | 693 | 702 | 701 | 693 | 689 | 670 | 652 | 642 |
| 1935 | 634 | 633 | 635 | 649 | 676 | 693 | 718 | 730 | 760 | 747 | 730 | 717 |
| 1936 | 709 | 707 | 701 | 706 | 749 | 767 | 776 | 793 | 811 | 801 | 786 | 775 |
| 1937 | 769 | 764 | 760 | 762 | 790 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 763 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 772 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 777 | 782 | 776 | 763 | 749 | 742 |
| 1948 | 738 | 737 | 736 | 738 | 739 | 739 | 734 | 742 | 767 | 756 | 739 | 728 |
| 1949 | 721 | 715 | 710 | 709 | 716 | 727 | 733 | 742 | 750 | 732 | 712 | 699 |
| 1950 | 691 | 685 | 678 | 684 | 704 | 717 | 725 | 735 | 752 | 736 | 717 | 704 |
| 1951 | 698 | 747 | 796 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 813 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 774 | 776 | 785 | 796 | 802 | 818 | 819 | 804 | 789 | 779 |
| 1955 | 773 | 769 | 767 | 773 | 779 | 783 | 779 | 782 | 788 | 776 | 764 | 756 |
| 1956 | 750 | 747 | 796 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 805 | 826 | 814 | 800 | 791 |
| 1958 | 785 | 781 | 778 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 769 | 763 |
| 1960 | 760 | 757 | 754 | 755 | 763 | 768 | 769 | 775 | 778 | 767 | 757 | 751 |
| 1961 | 748 | 745 | 745 | 747 | 749 | 749 | 742 | 732 | 725 | 712 | 700 | 693 |
| 1962 | 690 | 687 | 685 | 686 | 711 | 732 | 741 | 744 | 770 | 762 | 748 | 738 |
| 1963 | 731 | 726 | 723 | 727 | 753 | 764 | 772 | 783 | 808 | 803 | 789 | 780 |
| 1964 | 774 | 775 | 776 | 781 | 788 | 791 | 787 | 783 | 785 | 774 | 762 | 756 |
| 1965 | 751 | 752 | 785 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 797 | 790 | 775 | 760 | 750 |
| 1967 | 745 | 742 | 753 | 769 | 787 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 766 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 794 | 780 | 771 |
| 1971 | 765 | 765 | 772 | 788 | 800 | 800 | 801 | 800 | 806 | 797 | 785 | 777 |
| 1972 | 771 | 767 | 770 | 777 | 790 | 799 | 799 | 796 | 793 | 781 | 770 | 764 |
| 1973 | 759 | 758 | 761 | 772 | 798 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 786 | 777 | 766 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 727 | 714 | 700 | 686 | 670 | 661 |
| 1978 | 657 | 652 | 655 | 681 | 715 | 747 | 760 | 775 | 812 | 820 | 807 | 801 |
| 1979 | 797 | 793 | 790 | 799 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 788 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 775 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 802 | 814 | 801 | 786 | 775 |
| 1985 | 772 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 783 | 772 | 766 |
| 1986 | 762 | 763 | 766 | 773 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 750 | 748 | 748 | 754 | 759 | 761 | 755 | 746 | 739 | 727 | 715 | 707 |
| 1989 | 704 | 701 | 701 | 703 | 707 | 711 | 707 | 786 | 83 | 105 | 117 | 125 |
| 1990 | 724 | 724 | 723 | 725 | 729 | 732 | 729 | 725 | 722 | 708 | 694 | 686 |
| 1991 | 683 | 679 | 675 | 673 | 673 | 682 | 681 | 697 | 708 | 698 | 688 | 681 |
| 1992 | 680 | 680 | 680 | 682 | 692 | 697 | 699 | 705 | 705 | 691 | 675 | 664 |
| 1993 | 659 | 653 | 652 | 688 | 720 | 749 | 757 | 771 | 802 | 801 | 787 | 777 |
| 1994 | 771 | 766 | 761 | 761 | 764 | 767 | 764 | 767 | 766 | 755 | 745 | 739 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 142 | 134 | 108 | 51 | 54 | 69 | 80 |
| 48 | 45 | 43 | 30 | 40 | 55 | 65 |
| 81 | 86 | 92 | 101 | 114 | 128 | 136 |
| 96 | 84 | 73 | 55 | 64 | 80 | 91 |
| 93 | 79 | 67 | 70 | 86 | 101 | 111 |
| 62 | 51 | 53 | 35 | 43 | 58 | 68 |
| 43 | 35 | 18 | 18 | 33 | 48 | 58 |
| 69 | 69 | 67 | 59 | 68 | 78 | 86 |
| 82 | 81 | 78 | 64 | 73 | 83 | 90 |
| 90 | 98 | 110 | 123 | 137 | 150 | 159 |
| 85 | 84 | 80 | 63 | 68 | 84 | 95 |
| 106 | 111 | 118 | 100 | 112 | 129 | 140 |
| 130 | 131 | 139 | 143 | 162 | 180 | 190 |
| 139 | 114 | 102 | 72 | 85 | 102 | 115 |
| 65 | 56 | 39 | 21 | 31 | 46 | 57 |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 |
| 32 | 32 | 28 | 1 | 0 | 13 | 24 |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 |
| 32 | 32 | 20 | 0 | 1 | 15 | 24 |
| 32 | 30 | 25 | 1 | 0 | 14 | 24 |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 |
| 51 | 55 | 50 | 56 | 69 | 83 | 90 |
| 93 | 98 | 90 | 65 | 76 | 93 | 104 |
| 105 | 99 | 90 | 82 | 100 | 120 | 133 |
| 115 | 107 | 97 | 80 | 96 | 115 | 128 |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 19 | 22 | 36 | 45 |
| 36 | 30 | 14 | 13 | 28 | 43 | 53 |
| 49 | 53 | 50 | 44 | 56 | 68 | 76 |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 |
| 32 | 32 | 27 | 6 | 19 | 32 | 41 |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 |
| 32 | 30 | 32 | 38 | 50 | 63 | 69 |
| 64 | 63 | 57 | 54 | 65 | 75 | 81 |
| 83 | 90 | 100 | 107 | 120 | 132 | 139 |
| 100 | 91 | 88 | 62 | 70 | 84 | 94 |
| 68 | 60 | 49 | 24 | 29 | 43 | 52 |
| 41 | 45 | 49 | 47 | 58 | 70 | 76 |
| 32 | 30 | 25 | 5 | 5 | 16 | 25 |
| 32 | 31 | 35 | 42 | 57 | 72 | 82 |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 |
| 32 | 33 | 33 | 25 | 38 | 52 | 61 |
| 32 | 31 | 32 | 26 | 35 | 47 | 55 |
| 33 | 33 | 36 | 39 | 51 | 62 | 68 |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 |
| 33 | 38 | 46 | 55 | 66 | 75 | 81 |
| 95 | 105 | 118 | 132 | 146 | 162 | 171 |
| 85 | 72 | 57 | 20 | 12 | 25 | 31 |
| 32 | 30 | 10 | 0 | 14 | 29 | 38 |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 27 | 39 | 50 | 58 |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 |
| 32 | 35 | 30 | 18 | 31 | 46 | 57 |
| 32 | 31 | 33 | 37 | 49 | 60 | 66 |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 |
| 44 | 46 | 49 | 53 | 63 | 73 | 80 |
| 71 | 77 | 86 | 93 | 105 | 117 | 125 |
| 111 | 100 | 87 | 79 | 90 | 101 | 106 |
| 100 | 103 | 107 | 110 | 124 | 138 | 146 |
| 150 | 151 | 135 | 124 | 134 | 144 | 151 |

Cumulative Impacts Analysis

STUDY: 1995C06F-SWRCB-492 DWRSIM: recirc8184-f, 17 Jun 97
 CP # 20, LAKE McCLEURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-492/20/ELEVATION-EOP/1MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 867'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 711 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 812 | 825 | 851 | 856 | 846 | 832 | 821 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 808 | 809 | 796 | 779 | 765 | 755 |
| 1925 | 751 | 757 | 762 | 767 | 791 | 800 | 818 | 839 | 844 | 831 | 814 | 802 |
| 1926 | 801 | 800 | 801 | 803 | 808 | 812 | 831 | 826 | 825 | 821 | 813 | 805 |
| 1927 | 801 | 801 | 805 | 806 | 808 | 815 | 817 | 843 | 853 | 848 | 844 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 821 | 819 | 812 | 808 | 805 |
| 1929 | 803 | 802 | 801 | 801 | 803 | 805 | 806 | 809 | 809 | 811 | 814 | 807 |
| 1930 | 804 | 803 | 803 | 803 | 802 | 798 | 801 | 801 | 806 | 809 | 812 | 810 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 784 | 776 | 762 | 752 |
| 1932 | 751 | 751 | 770 | 782 | 808 | 817 | 826 | 846 | 864 | 854 | 839 | 829 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 |
| 1934 | 789 | 798 | 792 | 798 | 805 | 813 | 819 | 811 | 801 | 784 | 771 | 761 |
| 1935 | 757 | 762 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 856 | 861 | 849 | 834 | 823 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 777 | 778 | 779 | 805 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 829 | 813 | 798 | 790 |
| 1948 | 788 | 789 | 790 | 792 | 793 | 792 | 796 | 818 | 835 | 820 | 802 | 788 |
| 1949 | 784 | 783 | 784 | 785 | 789 | 798 | 807 | 828 | 826 | 806 | 786 | 771 |
| 1950 | 766 | 765 | 765 | 773 | 786 | 789 | 805 | 823 | 824 | 804 | 784 | 768 |
| 1951 | 764 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 774 |
| 1954 | 771 | 771 | 771 | 774 | 784 | 797 | 814 | 831 | 824 | 803 | 783 | 767 |
| 1955 | 763 | 762 | 765 | 771 | 775 | 777 | 776 | 798 | 807 | 791 | 774 | 764 |
| 1956 | 759 | 751 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 837 | 821 | 803 | 789 |
| 1958 | 785 | 786 | 790 | 797 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 825 | 816 | 797 | 780 | 773 |
| 1960 | 771 | 770 | 769 | 770 | 782 | 790 | 804 | 817 | 814 | 799 | 785 | 775 |
| 1961 | 771 | 772 | 774 | 774 | 777 | 778 | 783 | 783 | 775 | 757 | 740 | 728 |
| 1962 | 727 | 727 | 729 | 732 | 774 | 784 | 808 | 822 | 835 | 822 | 804 | 790 |
| 1963 | 786 | 786 | 786 | 795 | 808 | 810 | 819 | 841 | 854 | 844 | 829 | 817 |
| 1964 | 808 | 808 | 808 | 808 | 808 | 808 | 809 | 816 | 813 | 797 | 780 | 771 |
| 1965 | 765 | 769 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 827 | 836 | 824 | 801 | 780 | 768 |
| 1967 | 763 | 766 | 791 | 803 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 811 | 793 | 776 | 766 |
| 1969 | 761 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 820 | 802 | 788 |
| 1971 | 785 | 788 | 798 | 806 | 808 | 812 | 813 | 824 | 834 | 819 | 801 | 788 |
| 1972 | 783 | 784 | 791 | 796 | 802 | 811 | 812 | 824 | 825 | 808 | 794 | 786 |
| 1973 | 784 | 786 | 792 | 805 | 808 | 820 | 828 | 858 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 767 | 759 |
| 1977 | 757 | 756 | 754 | 754 | 754 | 749 | 739 | 724 | 713 | 683 | 652 | 628 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 792 | 800 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 813 | 800 |
| 1985 | 799 | 802 | 806 | 808 | 808 | 814 | 828 | 840 | 834 | 820 | 806 | 797 |
| 1986 | 796 | 798 | 804 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 782 | 773 |
| 1988 | 771 | 773 | 775 | 780 | 784 | 790 | 796 | 799 | 792 | 775 | 761 | 751 |
| 1989 | 748 | 748 | 750 | 751 | 756 | 773 | 794 | 803 | 800 | 784 | 770 | 761 |
| 1990 | 763 | 763 | 764 | 766 | 770 | 777 | 787 | 784 | 775 | 759 | 741 | 729 |
| 1991 | 727 | 726 | 726 | 725 | 725 | 746 | 752 | 772 | 787 | 773 | 760 | 748 |
| 1992 | 747 | 748 | 750 | 752 | 766 | 772 | 789 | 791 | 779 | 766 | 751 | 739 |
| 1993 | 737 | 738 | 744 | 790 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 820 | 812 | 796 | 783 | 773 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 55 | 42 | 16 | 11 | 21 | 35 | 46 | 1 |
| 60 | 59 | 58 | 71 | 88 | 102 | 112 | 1 |
| 67 | 49 | 28 | 23 | 36 | 53 | 65 | 1 |
| 55 | 36 | 41 | 42 | 46 | 54 | 62 | 1 |
| 52 | 50 | 24 | 14 | 19 | 25 | 27 | 1 |
| 58 | 59 | 46 | 48 | 55 | 59 | 67 | 1 |
| 62 | 61 | 58 | 58 | 56 | 53 | 60 | 1 |
| 69 | 66 | 66 | 61 | 58 | 55 | 57 | 1 |
| 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 |
| 50 | 41 | 21 | 3 | 13 | 28 | 38 | 1 |
| 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 |
| 54 | 48 | 56 | 66 | 83 | 96 | 106 | 1 |
| 61 | 27 | 8 | 0 | 13 | 28 | 40 | 1 |
| 47 | 27 | 11 | 6 | 18 | 33 | 44 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 38 | 54 | 69 | 77 | 1 |
| 75 | 71 | 49 | 32 | 47 | 65 | 79 | 1 |
| 69 | 60 | 39 | 41 | 61 | 81 | 96 | 1 |
| 78 | 62 | 44 | 33 | 63 | 83 | 99 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 93 | 1 |
| 70 | 53 | 36 | 43 | 64 | 84 | 100 | 1 |
| 90 | 91 | 69 | 60 | 76 | 93 | 103 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 30 | 46 | 64 | 78 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 42 | 51 | 70 | 87 | 94 | 1 |
| 77 | 63 | 50 | 53 | 68 | 82 | 92 | 1 |
| 89 | 84 | 84 | 92 | 110 | 127 | 139 | 1 |
| 83 | 59 | 45 | 32 | 45 | 63 | 77 | 1 |
| 57 | 48 | 26 | 13 | 23 | 38 | 50 | 1 |
| 59 | 58 | 51 | 54 | 70 | 87 | 96 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 7 | 40 | 6 | 31 | 43 | 66 | 87 | 1 |
| 47 | 27 | 8 | 0 | 11 | 27 | 37 | 1 |
| 55 | 50 | 46 | 56 | 74 | 91 | 101 | 1 |
| 47 | 27 | 8 | 0 | 13 | 27 | 37 | 1 |
| 7 | 46 | 30 | 30 | 47 | 65 | 79 | 1 |
| 56 | 55 | 43 | 33 | 48 | 66 | 79 | 1 |
| 56 | 55 | 43 | 42 | 59 | 73 | 81 | 1 |
| 47 | 39 | 9 | 0 | 15 | 29 | 38 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 100 | 108 | 1 |
| 118 | 128 | 143 | 154 | 184 | 215 | 239 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 0 | 18 | 33 | 44 | 1 |
| 47 | 32 | 8 | 0 | 12 | 27 | 37 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 3 | 27 | 37 | 1 |
| 47 | 40 | 17 | 19 | 35 | 54 | 67 | 1 |
| 53 | 39 | 27 | 33 | 47 | 61 | 70 | 1 |
| 47 | 28 | 8 | 0 | 12 | | | |

Cumulative Impacts Analysis

STUDY: 1995C06F-SWRCB-492 DWRSIM: recirc818-f, 17 Jun 97
 CP # 18, CVP MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-492/18/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 | |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 | |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 | |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 | |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 | |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 | |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 | |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 | |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 516 | 489 | 466 | 482 | |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 | |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 | |
| 1933 | 477 | 488 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 | |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 | |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 | |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 | |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 | |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 | |
| 1939 | 514 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 | |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 | |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 | |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 | |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 | |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 | |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 | |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 | |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 | |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 | |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 | |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 | |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 | |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 | |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 | |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 | |
| 1955 | 489 | 505 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 | |
| 1956 | 481 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 | |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 | |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 | |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 | |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 | |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 | |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 | |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 | |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 | |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 | |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 | |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 | |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 | |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 | |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 | |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 | |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 | |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 559 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 | |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 | |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 | |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 | |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 | |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 | |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 | |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 | |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 | |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 487 | 483 | 564 | 572 | 576 | |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 | |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 | |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 | |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 | |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 | |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 | |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 | |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 | |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 | |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 | |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 | |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 |
| 73 | 60 | 49 | 53 | 78 | 99 | 107 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 |
| 43 | 28 | 23 | 33 | 66 | 99 | 88 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 |
| 92 | 109 | 99 | 12 | 4 | 0 | 0 |
| 8 | 6 | 19 | 46 | 89 | 93 | 93 |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 |
| 24 | 2 | 11 | 0 | 18 | 73 | 97 |
| 65 | 46 | 25 | 37 | 73 | 103 | 96 |
| 49 | 37 | 29 | 49 | 78 | 93 | 90 |
| 60 | 39 | 24 | 36 | 74 | 98 | 92 |
| 59 | 44 | 32 | 51 | 68 | 97 | 93 |
| 87 | 75 | 68 | 64 | 70 | 96 | 90 |
| 86 | 83 | 82 | 96 | 106 | | |

Cumulative Impacts Analysis

STUDY: 1995C06F-SWRCB-492 DWRSIM: recirc818-f, 17 Jun 97
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-492/12/ELEVATION-EOP//1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 413 | 432 | 471 | 523 | 544 | 544 | 532 | 529 | 523 | 494 | 394 | 386 | |
| 1923 | 423 | 463 | 487 | 527 | 538 | 536 | 522 | 493 | 443 | 435 | 402 | 392 | |
| 1924 | 404 | 409 | 416 | 467 | 500 | 500 | 493 | 472 | 446 | 411 | 383 | 388 | |
| 1925 | 396 | 410 | 456 | 486 | 538 | 544 | 535 | 511 | 471 | 446 | 390 | 391 | |
| 1926 | 402 | 413 | 438 | 500 | 542 | 544 | 537 | 517 | 485 | 464 | 395 | 390 | |
| 1927 | 403 | 462 | 504 | 540 | 544 | 544 | 536 | 516 | 469 | 455 | 395 | 385 | |
| 1928 | 411 | 456 | 487 | 524 | 544 | 544 | 535 | 513 | 486 | 459 | 402 | 393 | |
| 1929 | 423 | 447 | 469 | 516 | 544 | 544 | 533 | 518 | 494 | 459 | 426 | 421 | |
| 1930 | 417 | 424 | 471 | 535 | 544 | 544 | 524 | 496 | 464 | 425 | 412 | 410 | |
| 1931 | 417 | 423 | 457 | 494 | 504 | 504 | 493 | 480 | 458 | 424 | 374 | 372 | |
| 1932 | 383 | 381 | 454 | 521 | 535 | 535 | 526 | 511 | 489 | 461 | 416 | 407 | |
| 1933 | 421 | 429 | 433 | 480 | 500 | 506 | 501 | 486 | 460 | 424 | 372 | 370 | |
| 1934 | 385 | 381 | 434 | 497 | 510 | 510 | 495 | 473 | 456 | 434 | 370 | 359 | |
| 1935 | 370 | 374 | 397 | 477 | 483 | 514 | 523 | 498 | 455 | 429 | 340 | 347 | |
| 1936 | 367 | 380 | 392 | 463 | 518 | 539 | 527 | 501 | 450 | 427 | 333 | 341 | |
| 1937 | 366 | 391 | 412 | 482 | 534 | 543 | 544 | 527 | 482 | 431 | 381 | 374 | |
| 1938 | 405 | 460 | 506 | 542 | 544 | 544 | 544 | 544 | 534 | 494 | 447 | 467 | |
| 1939 | 504 | 512 | 515 | 544 | 544 | 544 | 524 | 495 | 464 | 464 | 425 | 408 | |
| 1940 | 415 | 417 | 411 | 488 | 530 | 544 | 536 | 509 | 454 | 423 | 372 | 359 | |
| 1941 | 377 | 399 | 443 | 500 | 529 | 544 | 543 | 539 | 518 | 470 | 410 | 427 | |
| 1942 | 468 | 491 | 513 | 544 | 544 | 544 | 540 | 532 | 521 | 470 | 416 | 424 | |
| 1943 | 466 | 493 | 513 | 544 | 544 | 544 | 540 | 532 | 506 | 462 | 400 | 404 | |
| 1944 | 440 | 470 | 492 | 527 | 544 | 544 | 516 | 478 | 432 | 431 | 404 | 381 | |
| 1945 | 384 | 420 | 457 | 539 | 544 | 544 | 522 | 485 | 439 | 428 | 382 | 369 | |
| 1946 | 395 | 439 | 480 | 517 | 544 | 544 | 518 | 480 | 425 | 414 | 396 | 388 | |
| 1947 | 409 | 435 | 472 | 513 | 531 | 541 | 520 | 488 | 451 | 440 | 400 | 381 | |
| 1948 | 385 | 394 | 394 | 451 | 468 | 485 | 484 | 467 | 439 | 413 | 352 | 362 | |
| 1949 | 398 | 428 | 459 | 501 | 520 | 544 | 523 | 492 | 450 | 437 | 385 | 384 | |
| 1950 | 406 | 420 | 432 | 500 | 541 | 544 | 525 | 496 | 456 | 434 | 387 | 391 | |
| 1951 | 413 | 465 | 504 | 544 | 544 | 544 | 522 | 496 | 437 | 424 | 400 | 394 | |
| 1952 | 413 | 448 | 488 | 523 | 544 | 544 | 544 | 544 | 534 | 493 | 459 | 482 | |
| 1953 | 501 | 509 | 514 | 544 | 544 | 544 | 521 | 501 | 475 | 465 | 415 | 433 | |
| 1954 | 469 | 493 | 504 | 544 | 544 | 544 | 537 | 517 | 464 | 457 | 399 | 396 | |
| 1955 | 421 | 466 | 506 | 544 | 544 | 543 | 522 | 495 | 463 | 441 | 399 | 394 | |
| 1956 | 422 | 441 | 496 | 536 | 544 | 544 | 530 | 525 | 502 | 467 | 419 | 438 | |
| 1957 | 476 | 487 | 496 | 532 | 544 | 544 | 528 | 504 | 466 | 459 | 405 | 410 | |
| 1958 | 463 | 493 | 514 | 544 | 544 | 544 | 543 | 522 | 483 | 457 | 478 | 471 | |
| 1959 | 498 | 507 | 513 | 544 | 544 | 544 | 514 | 475 | 427 | 426 | 400 | 400 | |
| 1960 | 428 | 443 | 449 | 498 | 544 | 544 | 524 | 492 | 455 | 442 | 390 | 382 | |
| 1961 | 404 | 438 | 483 | 526 | 544 | 544 | 521 | 487 | 455 | 446 | 408 | 401 | |
| 1962 | 405 | 418 | 460 | 507 | 544 | 544 | 515 | 476 | 417 | 405 | 333 | 341 | |
| 1963 | 405 | 452 | 490 | 526 | 544 | 544 | 500 | 526 | 488 | 463 | 399 | 399 | |
| 1964 | 442 | 482 | 490 | 530 | 536 | 531 | 500 | 463 | 412 | 414 | 405 | 392 | |
| 1965 | 398 | 429 | 478 | 521 | 544 | 544 | 544 | 544 | 530 | 498 | 460 | 400 | 415 |
| 1966 | 456 | 492 | 514 | 544 | 544 | 544 | 516 | 478 | 417 | 408 | 400 | 390 | |
| 1967 | 414 | 445 | 491 | 534 | 544 | 544 | 544 | 544 | 534 | 520 | 485 | 500 | |
| 1968 | 507 | 517 | 519 | 544 | 544 | 544 | 523 | 487 | 440 | 441 | 409 | 400 | |
| 1969 | 427 | 456 | 501 | 544 | 544 | 544 | 544 | 544 | 535 | 499 | 454 | 477 | |
| 1970 | 509 | 517 | 519 | 544 | 544 | 544 | 526 | 497 | 442 | 436 | 401 | 399 | |
| 1971 | 422 | 470 | 510 | 544 | 544 | 544 | 524 | 505 | 473 | 465 | 411 | 431 | |
| 1972 | 465 | 490 | 514 | 544 | 544 | 544 | 522 | 489 | 443 | 447 | 404 | 399 | |
| 1973 | 425 | 477 | 510 | 544 | 544 | 544 | 541 | 526 | 494 | 462 | 428 | 453 | |
| 1974 | 421 | 468 | 494 | 534 | 544 | 544 | 524 | 498 | 460 | 446 | 397 | 391 | |
| 1975 | 480 | 502 | 514 | 544 | 544 | 544 | 534 | 518 | 490 | 457 | 418 | 437 | |
| 1976 | 475 | 499 | 514 | 544 | 544 | 544 | 522 | 496 | 470 | 479 | 431 | 425 | |
| 1977 | 425 | 433 | 437 | 453 | 453 | 453 | 455 | 448 | 434 | 412 | 406 | 422 | |
| 1978 | 426 | 443 | 492 | 541 | 544 | 544 | 544 | 544 | 509 | 450 | 388 | 393 | |
| 1979 | 427 | 444 | 456 | 499 | 535 | 544 | 529 | 503 | 468 | 454 | 397 | 401 | |
| 1980 | 429 | 464 | 502 | 544 | 544 | 544 | 544 | 541 | 517 | 484 | 434 | 451 | |
| 1981 | 492 | 511 | 524 | 544 | 544 | 544 | 525 | 488 | 443 | 445 | 407 | 396 | |
| 1982 | 420 | 472 | 515 | 544 | 544 | 544 | 544 | 544 | 531 | 482 | 443 | 466 | |
| 1983 | 495 | 507 | 513 | 544 | 544 | 544 | 544 | 544 | 535 | 522 | 507 | 514 | |
| 1984 | 529 | 540 | 544 | 544 | 544 | 544 | 524 | 492 | 437 | 425 | 400 | 392 | |
| 1985 | 429 | 474 | 497 | 529 | 544 | 544 | 513 | 474 | 416 | 413 | 398 | 377 | |
| 1986 | 381 | 384 | 422 | 493 | 535 | 544 | 544 | 543 | 528 | 464 | 432 | 439 | |
| 1987 | 466 | 479 | 501 | 541 | 544 | 544 | 521 | 487 | 455 | 453 | 412 | 397 | |
| 1988 | 407 | 405 | 450 | 515 | 515 | 515 | 500 | 482 | 469 | 453 | 419 | 414 | |
| 1989 | 414 | 435 | 459 | 498 | 498 | 538 | 521 | 490 | 448 | 444 | 387 | 397 | |
| 1990 | 410 | 427 | 452 | 511 | 528 | 529 | 512 | 486 | 464 | 459 | 406 | 396 | |
| 1991 | 396 | 400 | 402 | 417 | 417 | 480 | 478 | 467 | 443 | 419 | 402 | 407 | |
| 1992 | 410 | 423 | 438 | 482 | 524 | 544 | 530 | 509 | 491 | 459 | 411 | 404 | |
| 1993 | 404 | 411 | 456 | 521 | 536 | 544 | 537 | 523 | 503 | 462 | 396 | 389 | |
| 1994 | 408 | 452 | 475 | 503 | 537 | 535 | 504 | 463 | 420 | 427 | 414 | 408 | |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 12 | 15 | 21 | 86 | 150 | 158 | |
| 8 | 22 | 51 | 101 | 109 | 142 | 152 | |
| 44 | 51 | 72 | 98 | 133 | 161 | 156 | |
| 0 | 9 | 33 | 73 | 98 | 154 | 153 | |
| 0 | 7 | 27 | 59 | 80 | 149 | 154 | |
| 0 | 8 | 28 | 75 | 89 | 149 | 159 | |
| 0 | 9 | 31 | 78 | 85 | 142 | 151 | |
| 0 | 11 | 26 | 50 | 85 | 118 | 123 | |
| 0 | 20 | 48 | 80 | 80 | 119 | 132 | |
| 40 | 51 | 64 | 86 | 120 | 170 | 172 | |
| 9 | 18 | 33 | 55 | 83 | 128 | 137 | |
| 38 | 43 | 58 | 84 | 120 | 172 | 174 | |
| 34 | 49 | 71 | 88 | 110 | 174 | 185 | |
| 30 | 21 | 46 | 89 | 115 | 204 | 197 | |
| 5 | 17 | 43 | 94 | 117 | 211 | 203 | |
| 1 | 10 | 17 | 62 | 113 | 163 | 170 | |
| 0 | 0 | 0 | 10 | 50 | 97 | 77 | |
| 0 | 20 | 49 | 80 | 80 | 119 | 136 | |
| 0 | 8 | 35 | 90 | 121 | 172 | 185 | |
| 0 | 1 | 5 | 26 | 74 | 134 | 117 | |
| 0 | 4 | 12 | 23 | 74 | 128 | 120 | |
| 0 | 0 | 0 | 38 | 82 | 144 | 140 | |
| 0 | 28 | 66 | 112 | 113 | 140 | 163 | |
| 0 | 22 | 59 | 105 | 116 | 162 | 175 | |
| 0 | 26 | 64 | 119 | 130 | 148 | 156 | |
| 3 | 24 | 56 | 93 | 104 | 144 | 163 | |
| 59 | 60 | 77 | 105 | 131 | 192 | 182 | |
| 0 | 21 | 52 | 94 | 107 | 159 | 160 | |
| 0 | 19 | 48 | 88 | 110 | 157 | 153 | |
| 0 | 22 | 48 | 107 | 120 | 144 | 150 | |
| 0 | 0 | 0 | 10 | 51 | 85 | 62 | |
| 0 | 23 | 43 | 69 | 79 | 129 | 111 | |
| 0 | 7 | 27 | 80 | 87 | 145 | 148 | |
| 1 | 22 | 48 | 81 | 103 | 155 | 150 | |
| 0 | 14 | 19 | 42 | 77 | 125 | 106 | |
| 0 | 16 | 40 | 78 | 85 | 139 | 134 | |
| 0 | 1 | 2 | 12 | 61 | 87 | 66 | |
| 0 | 30 | 69 | 117 | 118 | 144 | 144 | |
| 0 | 21 | 52 | 89 | 102 | 154 | 162 | |
| 0 | 23 | 57 | 89 | 98 | 136 | 143 | |
| 0 | 29 | 68 | 127 | 139 | 211 | 203 | |
| 0 | 4 | 18 | 56 | 81 | 145 | 145 | |
| 13 | 44 | 81 | 132 | 130 | 139 | 152 | |
| 0 | 0 | 14 | 46 | 84 | 144 | 129 | |
| 0 | 28 | 66 | 127 | 136 | 144 | 154 | |
| 0 | 0 | 0 | 10 | 24 | 59 | 44 | |
| 0 | 21 | 57 | 104 | 103 | 135 | 144 | |
| 0 | 0 | 0 | 9 | 45 | 90 | 67 | |
| 0 | 18 | 47 | 102 | 108 | 143 | 145 | |
| 0 | 20 | 39 | 71 | 79 | 133 | 113 | |
| 0 | 22 | 55 | 101 | 97 | 140 | 145 | |
| 0 | 17 | 46 | 84 | 98 | 147 | 153 | |
| 0 | 3 | 18 | 50 | 82 | 116 | 91 | |
| 0 | 10 | 26 | 54 | 87 | 126 | 107 | |
| 0 | 22 | 48 | 74 | 65 | 113 | 119 | |
| 91 | 89 | 96 | 110 | 132 | 138 | 122 | |
| 0 | 0 | 0 | 35 | 94 | 156 | 151 | |
| 0 | 15 | 41 | 76 | 90 | 147 | 143 | |
| 0 | 0 | 3 | 27 | 60 | 110 | 93 | |
| 0 | 19 | 56 | 101 | 99 | 137 | 148 | |
| 0 | 0 | 0 | 13 | 62 | 101 | 78 | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recirc818-f, 17 Jun 97
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-469/4/ELEVATION-EOP/1/MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 1067

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1922 | 989 | 993 | 999 | 1,003 | 1,019 | 1,038 | 1,060 | 1,067 | 1,062 | 1,048 | 1,031 | 1,025 |
| 1923 | 1,023 | 1,017 | 1,019 | 1,023 | 1,020 | 1,021 | 1,033 | 1,029 | 1,015 | 996 | 978 | 976 |
| 1924 | 978 | 978 | 978 | 978 | 986 | 986 | 975 | 961 | 944 | 921 | 903 | 888 |
| 1925 | 892 | 905 | 914 | 924 | 996 | 1,012 | 1,043 | 1,054 | 1,045 | 1,027 | 1,012 | 1,008 |
| 1926 | 1,005 | 1,003 | 1,000 | 996 | 1,023 | 1,024 | 1,038 | 1,032 | 1,011 | 988 | 968 | 961 |
| 1927 | 960 | 988 | 1,010 | 1,035 | 1,026 | 1,052 | 1,067 | 1,067 | 1,058 | 1,044 | 1,027 | 1,022 |
| 1928 | 1,020 | 1,017 | 1,020 | 1,028 | 1,044 | 1,046 | 1,066 | 1,062 | 1,048 | 1,022 | 1,000 | 994 |
| 1929 | 993 | 993 | 993 | 993 | 999 | 1,001 | 1,004 | 997 | 989 | 972 | 954 | 947 |
| 1930 | 945 | 943 | 974 | 986 | 1,003 | 1,025 | 1,036 | 1,037 | 1,018 | 998 | 985 | 983 |
| 1931 | 981 | 980 | 978 | 980 | 984 | 990 | 982 | 973 | 962 | 942 | 929 | 915 |
| 1932 | 910 | 910 | 925 | 937 | 945 | 970 | 973 | 981 | 973 | 959 | 945 | 939 |
| 1933 | 938 | 933 | 934 | 936 | 939 | 973 | 984 | 987 | 984 | 964 | 950 | 944 |
| 1934 | 943 | 941 | 949 | 966 | 986 | 997 | 997 | 992 | 984 | 952 | 926 | 911 |
| 1935 | 905 | 917 | 921 | 943 | 962 | 986 | 1,030 | 1,037 | 1,030 | 1,011 | 998 | 992 |
| 1936 | 990 | 987 | 985 | 1,009 | 1,032 | 1,044 | 1,053 | 1,051 | 1,043 | 1,023 | 1,003 | 998 |
| 1937 | 993 | 988 | 983 | 976 | 977 | 1,004 | 1,032 | 1,041 | 1,037 | 1,016 | 997 | 990 |
| 1938 | 988 | 1,010 | 1,020 | 1,035 | 1,030 | 1,024 | 1,049 | 1,067 | 1,067 | 1,058 | 1,045 | 1,036 |
| 1939 | 1,023 | 1,017 | 1,020 | 1,022 | 1,024 | 1,039 | 1,031 | 1,024 | 999 | 977 | 949 | 945 |
| 1940 | 942 | 937 | 945 | 993 | 1,017 | 1,025 | 1,059 | 1,064 | 1,054 | 1,034 | 1,017 | 1,015 |
| 1941 | 1,014 | 1,013 | 1,019 | 1,020 | 1,024 | 1,045 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1942 | 1,023 | 1,017 | 1,020 | 1,023 | 1,028 | 1,042 | 1,067 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1943 | 1,023 | 1,017 | 1,022 | 1,030 | 1,042 | 1,051 | 1,067 | 1,067 | 1,059 | 1,045 | 1,030 | 1,024 |
| 1944 | 1,023 | 1,017 | 1,015 | 1,014 | 1,023 | 1,033 | 1,038 | 1,038 | 1,019 | 995 | 974 | 967 |
| 1945 | 969 | 981 | 996 | 1,005 | 1,039 | 1,053 | 1,065 | 1,067 | 1,062 | 1,040 | 1,023 | 1,018 |
| 1946 | 1,017 | 1,017 | 1,018 | 1,033 | 1,039 | 1,050 | 1,062 | 1,064 | 1,054 | 1,036 | 1,020 | 1,017 |
| 1947 | 1,014 | 1,014 | 1,015 | 1,011 | 1,018 | 1,038 | 1,044 | 1,034 | 1,019 | 995 | 977 | 971 |
| 1948 | 977 | 980 | 982 | 1,007 | 1,006 | 1,018 | 1,056 | 1,067 | 1,067 | 1,052 | 1,037 | 1,036 |
| 1949 | 1,023 | 1,017 | 1,016 | 1,012 | 1,016 | 1,050 | 1,063 | 1,064 | 1,048 | 1,026 | 1,008 | 1,004 |
| 1950 | 1,000 | 997 | 994 | 1,002 | 1,016 | 1,033 | 1,047 | 1,046 | 1,034 | 1,012 | 995 | 993 |
| 1951 | 1,006 | 1,017 | 1,020 | 1,033 | 1,040 | 1,057 | 1,064 | 1,067 | 1,051 | 1,030 | 1,012 | 1,010 |
| 1952 | 1,008 | 1,013 | 1,019 | 1,032 | 1,038 | 1,048 | 1,058 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1953 | 1,023 | 1,017 | 1,021 | 1,022 | 1,033 | 1,051 | 1,065 | 1,067 | 1,067 | 1,058 | 1,046 | 1,036 |
| 1954 | 1,023 | 1,017 | 1,021 | 1,030 | 1,035 | 1,051 | 1,067 | 1,064 | 1,059 | 1,042 | 1,029 | 1,029 |
| 1955 | 1,023 | 1,017 | 1,022 | 1,024 | 1,027 | 1,025 | 1,039 | 1,047 | 1,028 | 1,004 | 987 | 986 |
| 1956 | 984 | 987 | 1,017 | 1,017 | 1,019 | 1,048 | 1,067 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1957 | 1,023 | 1,017 | 1,016 | 1,017 | 1,035 | 1,052 | 1,058 | 1,067 | 1,060 | 1,043 | 1,029 | 1,031 |
| 1958 | 1,023 | 1,017 | 1,021 | 1,029 | 1,036 | 1,024 | 1,053 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1959 | 1,023 | 1,017 | 1,017 | 1,034 | 1,039 | 1,050 | 1,054 | 1,054 | 1,035 | 1,010 | 994 | 998 |
| 1960 | 995 | 993 | 990 | 996 | 1,024 | 1,051 | 1,058 | 1,066 | 1,048 | 1,028 | 1,009 | 1,007 |
| 1961 | 1,004 | 1,006 | 1,021 | 1,026 | 1,044 | 1,057 | 1,064 | 1,067 | 1,048 | 1,024 | 1,003 | 1,001 |
| 1962 | 998 | 1,002 | 1,014 | 1,016 | 1,035 | 1,051 | 1,062 | 1,063 | 1,051 | 1,031 | 1,013 | 1,011 |
| 1963 | 1,023 | 1,017 | 1,021 | 1,025 | 1,045 | 1,055 | 1,052 | 1,067 | 1,063 | 1,052 | 1,040 | 1,036 |
| 1964 | 1,023 | 1,017 | 1,018 | 1,033 | 1,034 | 1,037 | 1,031 | 1,026 | 1,011 | 989 | 969 | 968 |
| 1965 | 967 | 977 | 1,017 | 1,022 | 1,040 | 1,052 | 1,065 | 1,066 | 1,057 | 1,042 | 1,032 | 1,030 |
| 1966 | 1,023 | 1,017 | 1,021 | 1,037 | 1,049 | 1,055 | 1,067 | 1,064 | 1,049 | 1,029 | 1,013 | 1,010 |
| 1967 | 1,006 | 1,017 | 1,021 | 1,030 | 1,044 | 1,048 | 1,064 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1968 | 1,023 | 1,017 | 1,019 | 1,025 | 1,034 | 1,054 | 1,056 | 1,058 | 1,042 | 1,021 | 1,013 | 1,011 |
| 1969 | 1,010 | 1,011 | 1,021 | 1,022 | 1,027 | 1,048 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1970 | 1,023 | 1,017 | 1,020 | 1,017 | 1,025 | 1,052 | 1,055 | 1,055 | 1,043 | 1,023 | 1,010 | 1,008 |
| 1971 | 1,009 | 1,017 | 1,020 | 1,028 | 1,040 | 1,043 | 1,063 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1972 | 1,023 | 1,017 | 1,022 | 1,033 | 1,045 | 1,056 | 1,067 | 1,067 | 1,050 | 1,029 | 1,015 | 1,015 |
| 1973 | 1,016 | 1,017 | 1,021 | 1,030 | 1,034 | 1,053 | 1,065 | 1,067 | 1,059 | 1,041 | 1,029 | 1,028 |
| 1974 | 1,023 | 1,017 | 1,018 | 1,017 | 1,036 | 1,025 | 1,058 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1975 | 1,023 | 1,017 | 1,021 | 1,024 | 1,045 | 1,039 | 1,061 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1976 | 1,023 | 1,017 | 1,018 | 1,017 | 1,012 | 1,017 | 1,024 | 1,020 | 995 | 973 | 969 | 970 |
| 1977 | 973 | 974 | 974 | 976 | 966 | 966 | 948 | 942 | 920 | 901 | 882 | 878 |
| 1978 | 867 | 866 | 911 | 1,016 | 1,031 | 1,047 | 1,067 | 1,067 | 1,064 | 1,054 | 1,044 | 1,036 |
| 1979 | 1,023 | 1,017 | 1,015 | 1,018 | 1,029 | 1,046 | 1,053 | 1,062 | 1,048 | 1,030 | 1,018 | 1,016 |
| 1980 | 1,016 | 1,017 | 1,020 | 1,029 | 1,019 | 1,046 | 1,059 | 1,064 | 1,056 | 1,045 | 1,035 | 1,035 |
| 1981 | 1,023 | 1,017 | 1,020 | 1,029 | 1,042 | 1,056 | 1,064 | 1,062 | 1,042 | 1,018 | 1,002 | 999 |
| 1982 | 998 | 1,017 | 1,018 | 1,033 | 1,029 | 1,046 | 1,051 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1983 | 1,023 | 1,017 | 1,020 | 1,022 | 1,011 | 1,045 | 1,050 | 1,067 | 1,067 | 1,058 | 1,047 | 1,036 |
| 1984 | 1,023 | 1,017 | 1,018 | 1,034 | 1,047 | 1,056 | 1,064 | 1,067 | 1,059 | 1,043 | 1,036 | 1,036 |
| 1985 | 1,023 | 1,017 | 1,022 | 1,023 | 1,027 | 1,034 | 1,042 | 1,033 | 1,010 | 989 | 972 | 974 |
| 1986 | 976 | 980 | 990 | 1,014 | 1,017 | 1,029 | 1,047 | 1,049 | 1,038 | 1,022 | 1,006 | 1,009 |
| 1987 | 1,009 | 1,009 | 1,008 | 1,009 | 1,019 | 1,046 | 1,046 | 1,040 | 1,008 | 984 | 956 | 949 |
| 1988 | 945 | 947 | 978 | 1,000 | 1,001 | 1,004 | 1,010 | 1,009 | 991 | 959 | 944 | 942 |
| 1989 | 942 | 955 | 961 | 968 | 975 | 1,038 | 1,058 | 1,054 | 1,038 | 1,018 | 1,006 | 1,007 |
| 1990 | 1,009 | 1,007 | 1,003 | 1,008 | 1,008 | 1,015 | 1,007 | 1,013 | 998 | 973 | 956 | 953 |
| 1991 | 949 | 947 | 946 | 947 | 943 | 969 | 980 | 980 | 970 | 957 | 943 | 935 |
| 1992 | 934 | 933 | 934 | 938 | 976 | 999 | 1,011 | 1,003 | 989 | 974 | 961 | 955 |
| 1993 | 951 | 948 | 962 | 996 | 1,028 | 1,031 | 1,059 | 1,067 | 1,067 | 1,054 | 1,046 | 1,045 |
| 1994 | 1,043 | 1,017 | 1,019 | 1,020 | 1,026 | 1,027 | 1,027 | 1,026 | 999 | 978 | 956 | 953 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 29 | 7 | 0 | 5 | 19 | 36 | 42 | 1 | 4 | 6 | 4 | 2 | 1 | 1 | 1 | 19 | 608 |
| 46 | 34 | 38 | 52 | 71 | 89 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 204 |
| 81 | 92 | 106 | 123 | 146 | 164 | 179 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 200 |
| 55 | 24 | 13 | 22 | 40 | 55 | 59 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 9 | 148 |
| 43 | 29 | 35 | 56 | 79 | 99 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 168 |
| 15 | 0 | 0 | 9 | 23 | 40 | 45 | 2 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 21 | 672 |
| 21 | 1 | 5 | 19 | 45 | 67 | 73 | 1 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 15 | 390 |
| 66 | 63 | 70 | 78 | 95 | 113 | 120 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 196 |
| 42 | 31 | 30 | 49 | 69 | 82 | 84 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 210 |
| 77 | 85 | 94 | 105 | 125 | 138 | 152 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 175 |
| 97 | 94 | 86 | 94 | 108 | 122 | 128 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 224 |
| 94 | 83 | 80 | 83 | 103 | 117 | 123 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 224 |
| 70 | 70 | 75 | 83 | 115 | 141 | 156 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 212 |
| 81 | 37 | 30 | 37 | 56 | 69 | 75 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 187 |
| 23 | 14 | 16 | 24 | 44 | 64 | 69 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 10 | 300 |
| 63 | 35 | 26 | 30 | 51 | 70 | 77 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 210 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 | 1 | 2 | 6 | 6 | 4 | 1 | 1 | 1 | 21 | 693 |
| 29 | 36 | 43 | 68 | 90 | 118 | 122 | 1 | | | | | | | | | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recircB18-f, 17 Jun 97
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-469/ELEVATION-EOP/1MON/OUTPUT/

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index

73-year maximum March - September Reservoir Elevation = 900'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|---------|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 876 | 42 | 7 | 0 | 0 | 20 | 24 | 24 | 1 | 4 | 6 | 6 | 1 | 1 | 1 | 1 | 20 | 740 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 868 | 891 | 897 | 878 | 839 | 805 | 808 | 32 | 9 | 3 | 22 | 61 | 95 | 92 | 1 | 4 | 5 | 1 | 1 | 1 | 1 | 14 | 392 | |
| 1924 | 800 | 788 | 761 | 766 | 784 | 774 | 761 | 750 | 728 | 708 | 699 | 693 | 126 | 139 | 150 | 172 | 192 | 201 | 207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 147 |
| 1925 | 694 | 698 | 705 | 721 | 789 | 817 | 836 | 843 | 825 | 793 | 782 | 781 | 83 | 64 | 57 | 75 | 107 | 118 | 119 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 203 |
| 1926 | 777 | 779 | 781 | 795 | 837 | 857 | 887 | 874 | 853 | 810 | 797 | 779 | 43 | 13 | 26 | 47 | 90 | 103 | 121 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 9 | 198 | |
| 1927 | 775 | 807 | 807 | 831 | 849 | 863 | 890 | 900 | 900 | 865 | 854 | 851 | 37 | 10 | 0 | 0 | 35 | 46 | 49 | 1 | 3 | 6 | 6 | 1 | 1 | 1 | 19 | 627 | |
| 1928 | 849 | 859 | 860 | 868 | 871 | 849 | 878 | 863 | 843 | 789 | 737 | 730 | 51 | 22 | 37 | 57 | 111 | 163 | 170 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 126 | |
| 1929 | 717 | 712 | 710 | 715 | 729 | 746 | 749 | 752 | 745 | 727 | 718 | 711 | 154 | 151 | 148 | 155 | 173 | 182 | 189 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 224 | |
| 1930 | 703 | 700 | 761 | 790 | 817 | 849 | 871 | 875 | 856 | 817 | 779 | 776 | 51 | 29 | 25 | 44 | 83 | 121 | 124 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 189 | |
| 1931 | 765 | 758 | 749 | 762 | 775 | 792 | 778 | 765 | 743 | 723 | 713 | 706 | 108 | 122 | 135 | 157 | 177 | 187 | 194 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 161 | |
| 1932 | 700 | 692 | 697 | 722 | 744 | 777 | 782 | 806 | 777 | 753 | 743 | 736 | 123 | 118 | 94 | 123 | 147 | 157 | 164 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 196 | |
| 1933 | 727 | 715 | 714 | 726 | 735 | 740 | 743 | 758 | 752 | 735 | 724 | 717 | 160 | 157 | 142 | 148 | 165 | 176 | 183 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 217 | |
| 1934 | 713 | 705 | 707 | 734 | 756 | 777 | 770 | 760 | 737 | 712 | 702 | 689 | 123 | 130 | 140 | 163 | 188 | 198 | 211 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 161 | |
| 1935 | 675 | 680 | 686 | 714 | 737 | 768 | 854 | 864 | 848 | 824 | 814 | 796 | 132 | 46 | 36 | 52 | 76 | 86 | 104 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 189 | |
| 1936 | 787 | 777 | 775 | 824 | 849 | 860 | 886 | 897 | 886 | 846 | 827 | 823 | 40 | 14 | 3 | 14 | 54 | 73 | 77 | 1 | 3 | 5 | 3 | 1 | 1 | 1 | 15 | 435 | |
| 1937 | 816 | 804 | 800 | 803 | 820 | 844 | 869 | 882 | 859 | 833 | 820 | 814 | 56 | 31 | 18 | 41 | 67 | 80 | 86 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 216 | |
| 1938 | 810 | 824 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 | 51 | 18 | 0 | 0 | 1 | 4 | 13 | 1 | 2 | 6 | 6 | 5 | 5 | 3 | 28 | 1064 | |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 713 | 655 | 650 | 67 | 78 | 87 | 122 | 187 | 245 | 250 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 140 | |
| 1940 | 639 | 628 | 631 | 704 | 813 | 849 | 879 | 883 | 867 | 829 | 821 | 809 | 51 | 21 | 17 | 33 | 71 | 79 | 91 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 274 | |
| 1941 | 801 | 801 | 842 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 | 42 | 14 | 0 | 0 | 10 | 14 | 13 | 1 | 3 | 6 | 6 | 3 | 3 | 3 | 25 | 925 | |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 885 | 882 | 882 | 33 | 18 | 0 | 0 | 15 | 18 | 18 | 1 | 2 | 6 | 6 | 2 | 2 | 2 | 21 | 798 | |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 893 | 892 | 860 | 849 | 850 | 41 | 13 | 7 | 8 | 40 | 51 | 50 | 1 | 3 | 4 | 4 | 1 | 1 | 1 | 15 | 495 | |
| 1944 | 851 | 853 | 853 | 859 | 857 | 868 | 879 | 895 | 875 | 835 | 797 | 791 | 32 | 21 | 5 | 25 | 63 | 103 | 109 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 10 | 260 | |
| 1945 | 786 | 793 | 809 | 823 | 862 | 865 | 880 | 896 | 877 | 837 | 813 | 808 | 35 | 20 | 4 | 23 | 63 | 87 | 92 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 11 | 297 | |
| 1946 | 808 | 816 | 849 | 864 | 868 | 868 | 887 | 892 | 870 | 831 | 788 | 785 | 32 | 13 | 8 | 30 | 69 | 112 | 115 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 12 | 312 | |
| 1947 | 776 | 783 | 791 | 797 | 823 | 845 | 855 | 850 | 832 | 777 | 730 | 723 | 55 | 45 | 50 | 68 | 123 | 170 | 177 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 175 | |
| 1948 | 726 | 728 | 724 | 760 | 863 | 783 | 842 | 871 | 877 | 844 | 827 | 821 | 117 | 58 | 29 | 23 | 56 | 73 | 79 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 217 | |
| 1949 | 814 | 812 | 812 | 817 | 823 | 843 | 862 | 866 | 844 | 796 | 759 | 754 | 57 | 38 | 34 | 56 | 104 | 141 | 146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 182 | |
| 1950 | 741 | 740 | 741 | 771 | 818 | 848 | 881 | 900 | 886 | 848 | 820 | 819 | 52 | 19 | 0 | 14 | 52 | 80 | 81 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 228 | |
| 1951 | 823 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 848 | 820 | 820 | 30 | 14 | 0 | 11 | 52 | 80 | 80 | 1 | 3 | 6 | 3 | 1 | 1 | 1 | 16 | 464 | |
| 1952 | 824 | 827 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 900 | 899 | 887 | 38 | 6 | 0 | 0 | 0 | 1 | 13 | 1 | 4 | 6 | 6 | 6 | 5 | 3 | 31 | 1178 | |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 869 | 870 | 33 | 17 | 0 | 0 | 30 | 31 | 30 | 1 | 2 | 6 | 6 | 1 | 1 | 1 | 18 | 648 | |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 863 | 847 | 800 | 753 | 753 | 41 | 17 | 37 | 53 | 100 | 147 | 147 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 192 | |
| 1955 | 754 | 756 | 764 | 777 | 786 | 799 | 808 | 822 | 794 | 730 | 706 | 703 | 101 | 92 | 78 | 106 | 170 | 194 | 197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 782 | |
| 1956 | 694 | 690 | 845 | 849 | 849 | 864 | 892 | 900 | 845 | 873 | 870 | 874 | 36 | 8 | 0 | 0 | 27 | 30 | 26 | 1 | 4 | 6 | 6 | 1 | 1 | 1 | 20 | 120 | |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 881 | 866 | 827 | 795 | 800 | 37 | 37 | 19 | 34 | 73 | 105 | 100 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 232 | |
| 1958 | 802 | 806 | 825 | 845 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 | 51 | 21 | 0 | 0 | 2 | 6 | 13 | 1 | 1 | 6 | 5 | 4 | 3 | 26 | 988 | | |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 807 | 757 | 761 | 33 | 29 | 26 | 47 | 93 | 143 | 139 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 189 | |
| 1960 | 754 | 742 | 737 | 752 | 813 | 853 | 853 | 859 | 840 | 800 | 788 | 782 | 47 | 47 | 41 | 60 | 100 | 112 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 199 | |
| 1961 | 771 | 774 | 783 | 794 | 823 | 841 | 840 | 846 | 826 | 768 | 725 | 721 | 59 | 60 | 54 | 74 | 132 | 175 | 179 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 182 | |
| 1962 | 705 | 701 | 710 | 725 | 787 | 821 | 843 | 842 | 827 | 770 | 744 | 722 | 79 | 57 | 58 | 73 | 130 | 156 | 178 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 161 | |
| 1963 | 796 | 808 | 837 | 859 | 867 | 858 | 876 | 900 | 893 | 857 | 845 | 846 | 42 | 24 | 0 | 7 | 43 | 55 | 54 | 1 | 6 | 4 | 1 | 1 | 1 | 1 | 15 | 450 | |
| 1964 | 847 | 859 | 861 | 866 | 874 | 874 | 880 | 884 | 867 | 826 | 779 | 753 | 26 | 20 | 16 | 33 | 74 | 121 | 147 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 184 | |
| 1965 | 739 | 740 | 849 | 849 | 863 | 870 | 887 | 882 | 884 | 855 | 850 | 852 | 30 | 13 | 18 | 16 | 45 | 50 | 48 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 11 | 385 | |
| 1966 | 856 | 859 | 860 | 864 | 870 | 874 | 894 | 882 | 862 | 821 | 772 | 767 | 26 | 6 | 18 | 38 | 79 | 128 | 133 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 11 | 264 | |
| 1967 | 753 | 764 | 802 | 849 | 860 | 853 | 879 | 900 | 900 | 900 | 896 | 887 | 47 | 21 | 0 | 0 | 0 | 4 | 13 | 1 | 1 | 6 | 6 | 6 | 5 | 3 | 28 | 1036 | |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 802 | 764 | 761 | 34 | 37 | 33 | 52 | 98 | 136 | 139 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 182 | | |
| 1969 | 762 | 768 | 790 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 | 35 | 5 | 0 | 0 | 5 | 7 | 26 | 1 | 4 | 6 | 6 | 4 | 4 | 1 | 26 | 936 | |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 818 | 787 | 789 | 26 | 31 | 29 | 43 | 82 | 113 | 111 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 196 | |
| 1971 | 792 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 871 | 853 | 855 | 26 | 7 | 0 | 0 | 29 | 47 | 45 | 1 | 4 | 6 | 6 | 1 | 1 | 1 | 20 | 660 | |
| 1972 | 860 | 866 | 865 | 869 | 867 | 874 | 884 | 886 | 867 | 826 | 781 | 782 | 26 | 16 | 14 | 33 | 74 | 119 | 118 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 10 | 280 | |
| 1973 | 778 | 793 | 820 | 849 | 849 | 860 | 882 | 900 | 869 | 829 | 810 | 806 | 40 | 18 | 0 | 31 | 71 | 90 | 94 | 1 | 2 | 6 | 1 | 1 | 1 | 1 | 13 | 351 | |
| 1974 | 810 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 888 | 886 | 51 | 17 | 0 | 0 | 11 | 12 | 14 | 1 | 2 | 6</ | | | | | | | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recirc818-f, 17 Jun 97
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
 Project: 1995C06F-SWRCB-469/8/ELEVATION-EOP/1/IMON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index =

73 - year maximum March - September Reservoir Elevation = 466'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|----|-----|-----|
| 1922 | 414 | 409 | 414 | 414 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 | 38 | 23 | 0 | 0 | 3 | 17 | 32 | 1 | 1 | 6 | 6 | 5 | 2 | 1 | 22 | 4 | 15 | 23 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 770 | |
| 1923 | 425 | 423 | 424 | 424 | 424 | 420 | 449 | 466 | 461 | 431 | 424 | 422 | 46 | 17 | 0 | 15 | 35 | 42 | 44 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 1 | 5 | 19 | -15 | -20 | -7 | -2 | 6 | 6 | 6 | 3 | 2 | 4 | 5 | 32 | 448 | |
| 1924 | 416 | 408 | 398 | 386 | 384 | 365 | 367 | 366 | 334 | 334 | 337 | 334 | 101 | 99 | 100 | 132 | 132 | 129 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -19 | 2 | -1 | -32 | 0 | 3 | -3 | 2 | 6 | 5 | 1 | 6 | 6 | 5 | 31 | 217 | |
| 1925 | 449 | 363 | 380 | 390 | 424 | 437 | 449 | 466 | 449 | 433 | 421 | 417 | 29 | 17 | 0 | 17 | 33 | 45 | 49 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 13 | 12 | 17 | -17 | -16 | -12 | -4 | 6 | 6 | 6 | 2 | 2 | 3 | 5 | 30 | 420 | |
| 1926 | 413 | 406 | 401 | 392 | 412 | 413 | 444 | 442 | 416 | 373 | 335 | 348 | 53 | 22 | 24 | 50 | 93 | 131 | 118 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 31 | -2 | -26 | -43 | -38 | 13 | 6 | 6 | 5 | 1 | 1 | 1 | 6 | 26 | 182 | |
| 1927 | 356 | 398 | 419 | 424 | 424 | 437 | 449 | 466 | 461 | 456 | 449 | 434 | 29 | 17 | 0 | 5 | 10 | 17 | 32 | 1 | 2 | 6 | 4 | 3 | 2 | 1 | 19 | 13 | 12 | 17 | -5 | -5 | -7 | -15 | 6 | 6 | 6 | 5 | 5 | 4 | 3 | 35 | 665 | |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 442 | 417 | 409 | 410 | 29 | 17 | 13 | 24 | 49 | 57 | 56 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 10 | 13 | 12 | 4 | -11 | -25 | -8 | 1 | 6 | 6 | 6 | 3 | 1 | 4 | 6 | 32 | 320 | |
| 1929 | 403 | 397 | 392 | 381 | 379 | 378 | 391 | 396 | 381 | 335 | 347 | 351 | 88 | 75 | 70 | 85 | 131 | 119 | 115 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 13 | 5 | -15 | -46 | 12 | 4 | 5 | 6 | 6 | 3 | 1 | 6 | 6 | 33 | 231 | |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 417 | 385 | 351 | 350 | 29 | 23 | 24 | 49 | 81 | 115 | 116 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 16 | 6 | -1 | -25 | -32 | -34 | -1 | 6 | 6 | 5 | 1 | 1 | 1 | 5 | 25 | 175 | |
| 1931 | 337 | 351 | 363 | 378 | 386 | 400 | 394 | 389 | 334 | 334 | 335 | 334 | 66 | 72 | 77 | 132 | 132 | 131 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 14 | -6 | -5 | -55 | 0 | 1 | -1 | 6 | 4 | 5 | 1 | 6 | 6 | 5 | 33 | 231 | |
| 1932 | 334 | 334 | 380 | 402 | 424 | 424 | 432 | 450 | 435 | 392 | 368 | 372 | 42 | 34 | 16 | 31 | 74 | 98 | 94 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 | 0 | 8 | 18 | -15 | -43 | -24 | 4 | 6 | 6 | 6 | 3 | 1 | 1 | 6 | 29 | 232 | |
| 1933 | 345 | 334 | 355 | 366 | 369 | 382 | 344 | 371 | 338 | 334 | 352 | 347 | 84 | 122 | 95 | 128 | 132 | 114 | 119 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | -38 | 27 | -33 | -4 | 18 | -5 | 6 | 1 | 6 | 1 | 5 | 6 | 5 | 30 | 210 | |
| 1934 | 335 | 334 | 375 | 402 | 420 | 426 | 418 | 413 | 335 | 324 | 313 | 327 | 40 | 48 | 53 | 131 | 142 | 153 | 139 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 6 | -8 | -5 | -78 | -11 | -11 | 14 | 6 | 4 | 5 | 1 | 3 | 3 | 6 | 28 | 196 | |
| 1935 | 334 | 361 | 378 | 402 | 415 | 417 | 449 | 453 | 452 | 433 | 419 | 414 | 49 | 17 | 13 | 14 | 33 | 47 | 51 | 1 | 2 | 3 | 3 | 1 | 1 | 1 | 12 | 2 | 32 | 4 | -1 | -19 | -14 | -5 | 6 | 6 | 6 | 5 | 2 | 3 | 5 | 33 | 396 | |
| 1936 | 410 | 406 | 404 | 424 | 424 | 437 | 449 | 461 | 455 | 448 | 441 | 434 | 29 | 17 | 5 | 11 | 28 | 25 | 32 | 1 | 2 | 4 | 3 | 2 | 1 | 1 | 14 | 13 | 12 | 12 | -6 | -7 | -7 | -7 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 34 | 476 |
| 1937 | 425 | 417 | 411 | 404 | 424 | 437 | 449 | 466 | 454 | 441 | 433 | 430 | 29 | 17 | 0 | 12 | 25 | 33 | 36 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 13 | 12 | 17 | -12 | -13 | -8 | -3 | 6 | 6 | 6 | 3 | 3 | 4 | 4 | 5 | 33 | 495 |
| 1938 | 422 | 419 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 | 29 | 17 | 0 | 7 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 13 | 12 | 17 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 805 | |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 390 | 334 | 334 | 335 | 57 | 51 | 48 | 76 | 132 | 132 | 131 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 6 | 3 | -28 | -56 | 0 | 1 | 6 | 6 | 6 | 1 | 1 | 6 | 6 | 32 | 224 | |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 448 | 431 | 424 | 425 | 29 | 17 | 0 | 18 | 35 | 42 | 41 | 1 | 2 | 4 | 2 | 1 | 1 | 1 | 12 | 13 | 12 | 12 | -13 | -17 | -7 | 1 | 6 | 6 | 6 | 3 | 2 | 4 | 6 | 33 | 396 | |
| 1941 | 420 | 416 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 449 | 434 | 29 | 17 | 0 | 8 | 11 | 17 | 32 | 1 | 2 | 6 | 4 | 3 | 2 | 1 | 19 | 13 | 12 | 17 | -3 | -3 | -6 | -15 | 6 | 6 | 6 | 4 | 5 | 4 | 3 | 34 | 646 | |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 449 | 434 | 36 | 17 | 0 | 0 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 6 | 19 | 17 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 805 | |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 447 | 442 | 434 | 32 | 17 | 7 | 15 | 19 | 24 | 32 | 1 | 2 | 4 | 2 | 2 | 1 | 1 | 13 | 12 | 15 | 10 | -9 | -4 | -5 | -8 | 6 | 6 | 6 | 4 | 5 | 5 | 4 | 36 | 468 | |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 413 | 392 | 377 | 370 | 47 | 46 | 33 | 53 | 74 | 89 | 96 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 1 | 13 | -20 | -21 | -15 | -7 | 6 | 6 | 6 | 2 | 1 | 3 | 4 | 28 | 196 | |
| 1945 | 363 | 392 | 412 | 424 | 424 | 437 | 449 | 466 | 455 | 444 | 438 | 434 | 29 | 17 | 0 | 11 | 22 | 28 | 32 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 13 | 12 | 17 | -11 | -11 | -6 | -4 | 6 | 6 | 6 | 3 | 3 | 4 | 5 | 33 | 495 | |
| 1946 | 427 | 424 | 424 | 424 | 423 | 437 | 449 | 466 | 451 | 438 | 431 | 430 | 29 | 17 | 0 | 15 | 28 | 35 | 36 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 14 | 12 | 17 | -15 | -13 | -7 | -1 | 6 | 6 | 6 | 3 | 3 | 4 | 4 | 5 | 33 | 462 |
| 1947 | 421 | 422 | 421 | 412 | 414 | 431 | 440 | 443 | 416 | 385 | 357 | 360 | 35 | 26 | 23 | 50 | 81 | 109 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 9 | 3 | -27 | -31 | -28 | 3 | 6 | 6 | 6 | 1 | 1 | 1 | 6 | 27 | 189 | |
| 1948 | 377 | 389 | 395 | 415 | 411 | 407 | 442 | 463 | 459 | 453 | 448 | 434 | 59 | 24 | 3 | 7 | 13 | 18 | 32 | 1 | 1 | 5 | 4 | 3 | 2 | 1 | 17 | -4 | -35 | 21 | -4 | -6 | -5 | -14 | 5 | 6 | 6 | 5 | 4 | 5 | 3 | 34 | 578 | |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 443 | 459 | 442 | 426 | 417 | 416 | 44 | 23 | 7 | 24 | 40 | 49 | 50 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 10 | 22 | 21 | 16 | -17 | -16 | -9 | -1 | 6 | 6 | 6 | 2 | 2 | 4 | 5 | 31 | 310 | |
| 1950 | 410 | 404 | 395 | 421 | 424 | 437 | 449 | 466 | 455 | 443 | 439 | 434 | 29 | 17 | 0 | 11 | 23 | 27 | 32 | 1 | 2 | 6 | 3 | 1 | 1 | 1 | 15 | 13 | 12 | 17 | -11 | -12 | -4 | -5 | 6 | 6 | 6 | 3 | 3 | 5 | 5 | 34 | 510 | |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 436 | 430 | 431 | 40 | 17 | 0 | 16 | 30 | 36 | 35 | 1 | 2 | 6 | 2 | 1 | 1 | 1 | 14 | 38 | 23 | 17 | -16 | -14 | -6 | 1 | 6 | 6 | 6 | 2 | 3 | 4 | 6 | 33 | 462 | |
| 1952 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 | 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 | 2 | 6 | 6 | 5 | 2 | 1 | 23 | 13 | 12 | 17 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 805 | |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 449 | 434 | 36 | 20 | 8 | 2 | 3 | 17 | 32 | 1 | 1 | 4 | 5 | 5 | 2 | 1 | 19 | 6 | 16 | 12 | 6 | -1 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 665 | |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 441 | 422 | 417 | 420 | 29 | 17 | 14 | 25 | 44 | 49 | 46 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 10 | 13 | 12 | 3 | -11 | -19 | -5 | 3 | 6 | 6 | 6 | 3 | 2 | 5 | 6 | 34 | 340 | |
| 1955 | 414 | 408 | 411 | 417 | 418 | 413 | 424 | 434 | 417 | 394 | 379 | 376 | 53 | 42 | 32 | 49 | 72 | 87 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -5 | -11 | 10 | -17 | -23 | -15 | -3 | 5 | 6 | 6 | 2 | 1 | 3 | 5 | 28 | 196 | |
| 1956 | 361 | 364 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 449 | 434 | 41 | 25 | 0 | 0 | 3 | 17 | 32 | 1 | 1 | 6 | 6 | 5 | 2 | 1 | 22 | 19 | 16 | 25 | 0 | -3 | -14 | -15 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 770 | |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 443 | 459 | 448 | 436 | 429 | 428 | 29 | 33 | 7 | 18 | 30 | 37 | 38 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 11 | 13 | -4 | -26 | -11 | -12 | -7 | -1 | 6 | 5 | 6 | 3 | 3 | 4 | 5 | 32 | 352 | |
| 1958 | 421 | 416 | 417 | 422 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 | 29 | 17 | 0 | 0 | 3 | 17 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recirc818-f, 17 Jun 97
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-469/10/ELEVATION-EOP/1/MON/OUTPUT/

Difference from Maximum Reservoir
 Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from
 Previous Month [JUN JUL]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass
 Reservoir
 Habitat Index

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 973 | 990 | 1012 | 1004 | 991 | 981 |
| 1923 | 980 | 984 | 994 | 1002 | 1008 | 1007 | 1004 | 1008 | 1008 | 999 | 984 | 975 |
| 1924 | 975 | 977 | 980 | 984 | 988 | 988 | 979 | 967 | 954 | 942 | 930 | 926 |
| 1925 | 925 | 928 | 931 | 935 | 953 | 964 | 966 | 982 | 986 | 977 | 963 | 956 |
| 1926 | 955 | 956 | 959 | 961 | 971 | 975 | 975 | 965 | 951 | 936 | 922 | 912 |
| 1927 | 912 | 917 | 927 | 934 | 953 | 964 | 972 | 983 | 986 | 975 | 962 | 956 |
| 1928 | 957 | 963 | 968 | 972 | 960 | 1001 | 999 | 1001 | 993 | 978 | 964 | 956 |
| 1929 | 955 | 958 | 961 | 963 | 967 | 968 | 964 | 960 | 949 | 937 | 925 | 917 |
| 1930 | 918 | 920 | 923 | 926 | 932 | 940 | 940 | 935 | 931 | 916 | 895 | 882 |
| 1931 | 883 | 888 | 892 | 895 | 900 | 903 | 895 | 882 | 864 | 846 | 827 | 818 |
| 1932 | 817 | 820 | 831 | 840 | 863 | 874 | 874 | 910 | 929 | 922 | 904 | 892 |
| 1933 | 893 | 895 | 901 | 906 | 910 | 913 | 905 | 901 | 898 | 877 | 855 | 843 |
| 1934 | 844 | 848 | 854 | 860 | 869 | 879 | 870 | 856 | 836 | 817 | 790 | 772 |
| 1935 | 769 | 771 | 778 | 792 | 803 | 815 | 833 | 876 | 897 | 882 | 862 | 850 |
| 1936 | 850 | 854 | 859 | 876 | 913 | 927 | 939 | 962 | 970 | 959 | 946 | 939 |
| 1937 | 939 | 942 | 945 | 950 | 963 | 977 | 978 | 1002 | 1006 | 997 | 986 | 978 |
| 1938 | 979 | 982 | 994 | 1003 | 1022 | 1043 | 1052 | 1078 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 988 | 989 | 992 | 1004 | 1018 | 1035 | 1044 | 1055 | 1046 | 1033 | 1021 | 1014 |
| 1941 | 1013 | 1015 | 1020 | 1027 | 1037 | 1047 | 1043 | 1058 | 1064 | 1058 | 1047 | 1040 |
| 1942 | 1038 | 1039 | 1045 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1059 | 1048 | 1044 |
| 1944 | 1039 | 1040 | 1042 | 1043 | 1046 | 1050 | 1045 | 1041 | 1034 | 1021 | 1008 | 1000 |
| 1945 | 998 | 1003 | 1007 | 1012 | 1026 | 1035 | 1035 | 1048 | 1054 | 1045 | 1033 | 1026 |
| 1946 | 1025 | 1030 | 1040 | 1048 | 1050 | 1054 | 1052 | 1060 | 1057 | 1046 | 1034 | 1027 |
| 1947 | 1026 | 1029 | 1031 | 1033 | 1037 | 1040 | 1028 | 1019 | 1010 | 999 | 988 | 981 |
| 1948 | 979 | 981 | 983 | 985 | 986 | 990 | 989 | 991 | 999 | 990 | 978 | 971 |
| 1949 | 969 | 972 | 975 | 978 | 982 | 988 | 981 | 985 | 979 | 966 | 953 | 946 |
| 1950 | 944 | 945 | 947 | 955 | 965 | 974 | 973 | 986 | 991 | 979 | 967 | 959 |
| 1951 | 958 | 994 | 1034 | 1046 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 999 |
| 1952 | 998 | 1001 | 1008 | 1022 | 1033 | 1045 | 1048 | 1077 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1037 | 1028 | 1016 | 1008 |
| 1954 | 1005 | 1007 | 1010 | 1013 | 1015 | 1023 | 1025 | 1028 | 1018 | 1005 | 992 | 982 |
| 1955 | 979 | 982 | 986 | 992 | 993 | 993 | 985 | 979 | 975 | 962 | 948 | 940 |
| 1956 | 940 | 943 | 976 | 1006 | 1020 | 1029 | 1020 | 1037 | 1050 | 1043 | 1031 | 1024 |
| 1957 | 1022 | 1024 | 1027 | 1029 | 1034 | 1041 | 1029 | 1026 | 1024 | 1011 | 999 | 991 |
| 1958 | 985 | 988 | 991 | 998 | 1006 | 1021 | 1028 | 1058 | 1072 | 1066 | 1056 | 1049 |
| 1959 | 1048 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 979 | 981 | 984 | 987 | 994 | 999 | 996 | 991 | 980 | 966 | 953 | 943 |
| 1961 | 939 | 942 | 946 | 949 | 951 | 954 | 950 | 943 | 931 | 918 | 899 | 889 |
| 1962 | 889 | 892 | 896 | 899 | 916 | 924 | 926 | 934 | 937 | 927 | 909 | 896 |
| 1963 | 896 | 901 | 907 | 920 | 939 | 945 | 946 | 976 | 983 | 975 | 962 | 956 |
| 1964 | 956 | 961 | 965 | 971 | 974 | 976 | 969 | 961 | 953 | 940 | 927 | 916 |
| 1965 | 915 | 921 | 952 | 979 | 994 | 1002 | 1010 | 1011 | 1016 | 1008 | 997 | 990 |
| 1966 | 989 | 994 | 999 | 1004 | 1009 | 1015 | 1004 | 1002 | 991 | 977 | 964 | 954 |
| 1967 | 954 | 957 | 969 | 984 | 994 | 1005 | 1007 | 1030 | 1058 | 1062 | 1052 | 1046 |
| 1968 | 1044 | 1046 | 1048 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 994 | 984 |
| 1969 | 962 | 987 | 990 | 1020 | 1041 | 1055 | 1066 | 1088 | 1086 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1039 | 1025 | 1012 | 1005 |
| 1971 | 1003 | 1007 | 1015 | 1022 | 1029 | 1035 | 1026 | 1021 | 1021 | 1010 | 997 | 989 |
| 1972 | 985 | 989 | 996 | 1002 | 1002 | 1006 | 992 | 991 | 981 | 967 | 953 | 946 |
| 1973 | 946 | 949 | 955 | 971 | 990 | 1002 | 1004 | 1022 | 1026 | 1016 | 1005 | 1000 |
| 1974 | 1000 | 1006 | 1016 | 1029 | 1039 | 1052 | 1056 | 1067 | 1067 | 1058 | 1046 | 1039 |
| 1975 | 1038 | 1040 | 1043 | 1047 | 1050 | 1055 | 1050 | 1049 | 1061 | 1053 | 1042 | 1034 |
| 1976 | 1033 | 1036 | 1038 | 1040 | 1043 | 1045 | 1039 | 1030 | 1019 | 1009 | 1000 | 994 |
| 1977 | 994 | 995 | 997 | 997 | 997 | 997 | 988 | 977 | 968 | 955 | 943 | 937 |
| 1978 | 936 | 936 | 940 | 950 | 963 | 983 | 993 | 1010 | 1021 | 1019 | 1010 | 1006 |
| 1979 | 1006 | 1009 | 1013 | 1021 | 1034 | 1047 | 1048 | 1057 | 1052 | 1038 | 1024 | 1017 |
| 1980 | 1018 | 1021 | 1024 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 982 | 991 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1011 | 1006 |
| 1985 | 1005 | 1010 | 1015 | 1018 | 1023 | 1029 | 1026 | 1020 | 1010 | 1000 | 989 | 984 |
| 1986 | 983 | 986 | 991 | 1001 | 1049 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1044 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 998 | 998 | 999 | 1000 | 1002 | 1004 | 998 | 988 | 978 | 968 | 959 | 953 |
| 1989 | 952 | 952 | 953 | 954 | 956 | 968 | 964 | 960 | 952 | 940 | 929 | 924 |
| 1990 | 927 | 930 | 934 | 937 | 940 | 944 | 937 | 926 | 911 | 891 | 875 | 866 |
| 1991 | 865 | 866 | 871 | 871 | 871 | 879 | 874 | 869 | 853 | 834 | 817 | 810 |
| 1992 | 811 | 813 | 819 | 822 | 833 | 842 | 834 | 818 | 792 | 762 | 727 | 715 |
| 1993 | 723 | 737 | 755 | 789 | 807 | 841 | 829 | 834 | 845 | 835 | 825 | 821 |
| 1994 | 920 | 921 | 925 | 925 | 927 | 932 | 928 | 925 | 912 | 893 | 876 | 868 |

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 115 | 98 | 76 | 84 | 97 |
| 80 | 81 | 84 | 80 | 80 | 89 | 104 |
| 100 | 100 | 109 | 121 | 134 | 146 | 158 |
| 135 | 124 | 122 | 126 | 102 | 113 | 125 |
| 117 | 113 | 113 | 123 | 137 | 152 | 166 |
| 135 | 124 | 116 | 105 | 102 | 113 | 126 |
| 108 | 87 | 89 | 87 | 95 | 111 | 124 |
| 121 | 120 | 124 | 128 | 139 | 151 | 163 |
| 156 | 148 | 148 | 153 | 157 | 172 | 193 |
| 188 | 185 | 193 | 206 | 224 | 242 | 261 |
| 225 | 214 | 214 | 178 | 159 | 166 | 184 |
| 178 | 175 | 183 | 187 | 190 | 211 | 233 |
| 219 | 209 | 218 | 232 | 252 | 271 | 298 |
| 285 | 273 | 255 | 211 | 201 | 206 | 226 |
| 175 | 161 | 149 | 126 | 118 | 129 | 142 |
| 125 | 111 | 110 | 86 | 82 | 91 | 102 |
| 66 | 45 | 36 | 10 | 0 | 4 | 13 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 |
| 70 | 53 | 44 | 33 | 42 | 55 | 67 |
| 51 | 41 | 45 | 30 | 24 | 30 | 41 |
| 38 | 33 | 33 | 21 | 7 | 10 | 21 |
| 38 | 33 | 27 | 20 | 21 | 29 | 40 |
| 42 | 38 | 43 | 47 | 54 | 67 | 80 |
| 62 | 53 | 53 | 40 | 34 | 43 | 55 |
| 38 | 34 | 36 | 28 | 31 | 42 | 54 |
| 51 | 48 | 60 | 69 | 78 | 89 | 100 |
| 102 | 98 | 99 | 97 | 89 | 98 | 110 |
| 106 | 100 | 107 | 103 | 109 | 122 | 135 |
| 123 | 114 | 115 | 102 | 107 | 109 | 121 |
| 38 | 33 | 40 | 47 | 55 | 68 | 81 |
| 55 | 43 | 40 | 11 | 0 | 2 | 12 |
| 38 | 34 | 42 | 52 | 51 | 60 | 72 |
| 73 | 65 | 63 | 60 | 70 | 83 | 96 |
| 95 | 95 | 103 | 109 | 113 | 126 | 140 |
| 68 | 59 | 68 | 51 | 38 | 45 | 57 |
| 54 | 47 | 59 | 62 | 64 | 77 | 89 |
| 82 | 67 | 60 | 30 | 16 | 22 | 32 |
| 38 | 35 | 42 | 58 | 70 | 83 | 96 |
| 94 | 89 | 92 | 97 | 108 | 122 | 135 |
| 137 | 134 | 138 | 145 | 157 | 170 | 189 |
| 172 | 164 | 162 | 154 | 151 | 161 | 179 |
| 149 | 143 | 142 | 112 | 105 | 113 | 126 |
| 114 | 112 | 119 | 127 | 135 | 148 | 161 |
| 94 | 86 | 78 | 77 | 72 | 80 | 91 |
| 79 | 73 | 84 | 86 | 97 | 111 | 124 |
| 94 | 83 | 81 | 58 | 30 | 26 | 36 |
| 38 | 34 | 46 | 55 | 66 | 80 | 94 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 41 | 47 | 49 | 63 | 76 |
| 59 | 53 | 62 | 67 | 67 | 78 | 91 |
| 86 | 82 | 96 | 97 | 107 | 121 | 135 |
| 98 | 86 | 84 | 66 | 62 | 72 | 83 |
| 49 | 36 | 32 | | | | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recirc818-1, 17 Jun 97
 CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-469/81/ELEVATION/EOP/1/1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 832'

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else 1
 If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else 1
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|----|-----|-----|-----|-----|-----|---|---|---|---|---|---|----|-----|-----|
| 1922 | 599 | 581 | 579 | 600 | 656 | 690 | 698 | 724 | 781 | 778 | 763 | 752 | 142 | 134 | 108 | 51 | 54 | 69 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 34 | 8 | 26 | 57 | -3 | -15 | -11 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 245 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 788 | 792 | 801 | 794 | 779 | 770 | 48 | 44 | 40 | 31 | 38 | 53 | 62 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 4 | 4 | 9 | -7 | -15 | -9 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 245 |
| 1924 | 764 | 761 | 756 | 755 | 756 | 754 | 748 | 742 | 734 | 722 | 708 | 700 | 78 | 84 | 90 | 98 | 110 | 124 | 132 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -2 | -6 | -6 | -8 | -12 | -14 | -8 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 37 | 189 |
| 1925 | 695 | 695 | 696 | 700 | 722 | 739 | 751 | 762 | 780 | 771 | 755 | 744 | 93 | 81 | 70 | 52 | 61 | 77 | 88 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 17 | 12 | 11 | 18 | -9 | -16 | -11 | 6 | 6 | 6 | 6 | 4 | 2 | 3 | 37 | 231 |
| 1926 | 737 | 734 | 730 | 729 | 738 | 742 | 756 | 768 | 765 | 749 | 734 | 725 | 90 | 76 | 64 | 67 | 83 | 98 | 107 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | 14 | 12 | -3 | -16 | -15 | -9 | 6 | 6 | 5 | 2 | 3 | 4 | 32 | 224 | |
| 1927 | 717 | 717 | 721 | 729 | 758 | 773 | 783 | 782 | 800 | 793 | 778 | 768 | 59 | 49 | 50 | 32 | 39 | 54 | 64 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 10 | -1 | 18 | -7 | -15 | -10 | 6 | 6 | 5 | 6 | 4 | 3 | 4 | 34 | 238 |
| 1928 | 762 | 762 | 762 | 765 | 773 | 792 | 801 | 818 | 818 | 803 | 788 | 779 | 40 | 31 | 14 | 14 | 29 | 44 | 53 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 11 | 19 | 9 | 17 | 0 | -15 | -15 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 |
| 1929 | 772 | 767 | 763 | 762 | 766 | 767 | 767 | 770 | 778 | 768 | 759 | 751 | 65 | 65 | 62 | 54 | 64 | 73 | 81 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 0 | 3 | 8 | -10 | -9 | -8 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1930 | 747 | 744 | 741 | 742 | 747 | 755 | 756 | 758 | 772 | 763 | 753 | 747 | 77 | 76 | 74 | 60 | 69 | 79 | 85 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 1 | 2 | 14 | -9 | -10 | -6 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 36 | 252 |
| 1931 | 745 | 744 | 743 | 745 | 748 | 747 | 739 | 727 | 714 | 700 | 687 | 679 | 85 | 93 | 105 | 118 | 132 | 145 | 153 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -8 | -12 | -13 | -14 | -13 | -8 | 5 | 4 | 3 | 3 | 3 | 4 | 3 | 34 | 215 |
| 1932 | 675 | 671 | 683 | 698 | 736 | 751 | 752 | 756 | 772 | 767 | 752 | 741 | 81 | 80 | 76 | 60 | 65 | 80 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 1 | 4 | 16 | -5 | -15 | -11 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 245 |
| 1933 | 734 | 727 | 721 | 720 | 727 | 730 | 726 | 719 | 736 | 725 | 708 | 697 | 102 | 106 | 113 | 96 | 107 | 124 | 135 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | -4 | -7 | 17 | -11 | -17 | -11 | 6 | 5 | 4 | 6 | 3 | 2 | 3 | 29 | 203 |
| 1934 | 688 | 686 | 684 | 687 | 698 | 707 | 705 | 698 | 694 | 676 | 658 | 647 | 125 | 127 | 134 | 138 | 156 | 174 | 185 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -2 | -7 | -4 | -18 | -18 | -11 | 6 | 5 | 4 | 5 | 2 | 2 | 3 | 27 | 189 |
| 1935 | 640 | 639 | 641 | 655 | 682 | 697 | 723 | 734 | 764 | 751 | 734 | 721 | 135 | 109 | 98 | 68 | 81 | 98 | 111 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 15 | 26 | 11 | 30 | -13 | -17 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 |
| 1936 | 713 | 711 | 705 | 711 | 753 | 770 | 779 | 796 | 814 | 804 | 789 | 778 | 62 | 53 | 36 | 18 | 28 | 43 | 54 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 8 | 17 | 9 | 17 | 18 | -10 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 272 |
| 1937 | 772 | 767 | 762 | 765 | 793 | 800 | 802 | 815 | 832 | 819 | 805 | 795 | 32 | 30 | 17 | 0 | 13 | 27 | 37 | 1 | 1 | 2 | 6 | 3 | 1 | 15 | 3 | 2 | 13 | 17 | -13 | -14 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 510 | |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 | 32 | 32 | 28 | 1 | 0 | 13 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 18 | 0 | 0 | 4 | 27 | 1 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 648 | |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 | 32 | 30 | 28 | 33 | 45 | 58 | 66 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 2 | -5 | -12 | -13 | -8 | 6 | 6 | 6 | 5 | 3 | 3 | 4 | 33 | 231 |
| 1940 | 764 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 | 32 | 30 | 16 | 3 | 18 | 33 | 43 | 1 | 1 | 2 | 5 | 2 | 1 | 13 | 0 | 2 | 14 | 13 | -15 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 442 | |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 | 32 | 32 | 20 | 0 | 1 | 15 | 24 | 1 | 1 | 1 | 6 | 5 | 2 | 17 | 0 | 0 | 12 | 20 | -1 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 612 | |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 | 32 | 30 | 25 | 1 | 0 | 14 | 24 | 1 | 1 | 1 | 5 | 6 | 3 | 18 | 0 | 2 | 5 | 24 | -1 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 666 | |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 | 32 | 30 | 11 | 0 | 8 | 22 | 33 | 1 | 1 | 3 | 6 | 4 | 1 | 17 | 0 | 2 | 19 | 11 | -8 | -14 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 578 | |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 | 32 | 31 | 24 | 18 | 30 | 45 | 55 | 1 | 1 | 1 | 2 | 1 | 1 | 8 | 7 | 1 | 7 | 6 | -12 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 272 | |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 | 32 | 30 | 25 | 1 | 7 | 22 | 33 | 1 | 1 | 1 | 5 | 4 | 1 | 14 | 0 | 2 | 5 | 24 | -6 | -15 | -11 | 6 | 6 | 6 | 6 | 4 | 3 | 3 | 34 | 476 | |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 | 32 | 30 | 26 | 20 | 36 | 52 | 63 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 2 | 4 | 6 | -16 | -16 | -11 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 | 51 | 54 | 50 | 56 | 68 | 82 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | -3 | -4 | -6 | -12 | -14 | -8 | 6 | 5 | 6 | 4 | 3 | 3 | 4 | 31 | 217 | |
| 1948 | 739 | 738 | 737 | 738 | 739 | 740 | 735 | 743 | 769 | 758 | 740 | 730 | 92 | 97 | 89 | 63 | 74 | 90 | 100 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -5 | 8 | 26 | -11 | -18 | -10 | 6 | 5 | 6 | 6 | 3 | 2 | 4 | 32 | 224 | |
| 1949 | 723 | 717 | 711 | 710 | 717 | 728 | 735 | 744 | 752 | 734 | 714 | 702 | 104 | 97 | 88 | 80 | 98 | 118 | 130 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 7 | 9 | 8 | -18 | -20 | -12 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1950 | 683 | 687 | 681 | 686 | 706 | 718 | 727 | 737 | 754 | 738 | 720 | 707 | 114 | 105 | 95 | 78 | 94 | 112 | 125 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 12 | 9 | 10 | 17 | -16 | -18 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1951 | 700 | 749 | 797 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 | 32 | 34 | 38 | 34 | 49 | 63 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -2 | -4 | 4 | -15 | -14 | -10 | 6 | 5 | 5 | 6 | 3 | 3 | 4 | 32 | 224 | |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 | 32 | 32 | 12 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 21 | 0 | 0 | 20 | 12 | 0 | -13 | -11 | 6 | 5 | 6 | 6 | 6 | 3 | 3 | 36 | 756 | |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 | 32 | 30 | 28 | 18 | 22 | 36 | 45 | 1 | 1 | 1 | 2 | 1 | 1 | 8 | 0 | 2 | 2 | 10 | -4 | -14 | -9 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 288 | |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 | 35 | 30 | 13 | 12 | 27 | 43 | 52 | 1 | 1 | 3 | 3 | 1 | 1 | 11 | 12 | 5 | 17 | 1 | -15 | -16 | -9 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 363 | |
| 1955 | 774 | 770 | 768 | 774 | 780 | 784 | 780 | 783 | 790 | 777 | 765 | 758 | 48 | 52 | 49 | 42 | 55 | 67 | 74 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | -4 | 3 | 7 | -13 | -12 | -7 | 6 | 5 | 6 | 6 | 3 | 3 | 4 | 33 | 231 | |
| 1956 | 752 | 748 | 797 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 | 32 | 30 | 14 | 0 | 0 | 14 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 21 | 0 | 2 | 16 | 14 | 0 | -14 | -10 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 37 | 777 | |
| 1957 | 800 | 796 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 | 32 | 32 | 26 | 5 | 18 | 32 | 41 | 1 | 1 | 1 | 4 | 2 | 1 | 11 | 1 | 0 | 0 | 6 | 21 | -13 | -14 | -9 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 374 |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 | 32 | 32 | 11 | 0 | 0 | 13 | 24 | 1 | 1 | 3 | 6 | 6 | 3 | 21 | 0 | 0 | 21 | 11 | 0 | -13 | -11 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 756 | |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recirc818-f, 17 Jun 97
 CP # 20, LAKE MCCLURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-469/20/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 867

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0, then 6, else
 If [DFMRE] <= 5, then 5, else
 If [DFMRE] <= 10, then 4, else
 If [DFMRE] <= 15, then 3, else
 If [DFMRE] <= 20, then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0, then 6, else
 If [fluctuation] >= -5, then 5, else
 If [fluctuation] >= -10, then 4, else
 If [fluctuation] >= -15, then 3, else
 If [fluctuation] >= -20, then 2, else 1

Largemouth Bass Reservoir Habitat Index

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|----|-----|-----|-----|-----|----|---|---|---|---|---|----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 711 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 | 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 | 1 | 1 | 6 | 4 | 1 | 1 | 15 | 20 | 10 | 56 | 22 | -7 | -14 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 525 | |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 | 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 13 | 5 | 14 | 27 | 10 | -5 | -4 | -5 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 455 | |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 809 | 797 | 779 | 766 | 756 | 60 | 58 | 58 | 70 | 88 | 101 | 111 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -1 | 2 | 0 | -12 | -18 | -13 | -10 | 5 | 6 | 6 | 3 | 2 | 3 | 4 | 29 | 203 | |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 819 | 840 | 844 | 831 | 815 | 803 | 66 | 48 | 27 | 23 | 36 | 52 | 64 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | 18 | 21 | 4 | -13 | -16 | -12 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 42 | 224 | |
| 1926 | 801 | 801 | 802 | 804 | 808 | 812 | 831 | 827 | 826 | 822 | 814 | 806 | 55 | 36 | 40 | 41 | 45 | 53 | 61 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | 19 | -4 | -1 | -4 | -8 | -8 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 35 | 245 | |
| 1927 | 802 | 802 | 806 | 807 | 808 | 815 | 817 | 844 | 854 | 849 | 845 | 840 | 52 | 50 | 23 | 13 | 18 | 22 | 27 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 10 | 7 | 2 | 27 | 10 | -5 | -4 | -5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 39 | 390 | |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 823 | 821 | 815 | 810 | 807 | 58 | 59 | 44 | 46 | 52 | 57 | 60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | -1 | 15 | 0 | -2 | -6 | -5 | -3 | 6 | 5 | 6 | 5 | 4 | 5 | 5 | 36 | 252 |
| 1929 | 805 | 804 | 804 | 803 | 805 | 807 | 808 | 811 | 811 | 813 | 816 | 809 | 60 | 59 | 56 | 56 | 54 | 51 | 58 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 1 | 3 | 0 | 2 | 3 | -7 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 40 | 280 | |
| 1930 | 806 | 804 | 804 | 804 | 804 | 800 | 802 | 803 | 807 | 810 | 813 | 811 | 67 | 65 | 64 | 60 | 57 | 54 | 56 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 2 | 1 | 4 | 3 | 3 | -2 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 40 | 280 | |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 794 | 776 | 762 | 752 | 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | -2 | -12 | -18 | -14 | -10 | 6 | 6 | 5 | 3 | 2 | 3 | 4 | 29 | 203 | |
| 1932 | 750 | 751 | 770 | 782 | 808 | 817 | 826 | 847 | 864 | 854 | 839 | 829 | 50 | 41 | 20 | 3 | 13 | 28 | 38 | 1 | 1 | 1 | 5 | 3 | 1 | 1 | 13 | 9 | 9 | 21 | 17 | -10 | -15 | -10 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 35 | 455 | |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 | 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 2 | 14 | -13 | -15 | -8 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 238 | | |
| 1934 | 789 | 788 | 792 | 797 | 805 | 813 | 819 | 810 | 801 | 784 | 770 | 761 | 54 | 48 | 57 | 66 | 83 | 97 | 106 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 6 | -9 | -9 | -17 | -14 | -9 | 6 | 6 | 4 | 4 | 2 | 3 | 4 | 29 | 203 | |
| 1935 | 757 | 761 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 | 61 | 27 | 8 | 0 | 13 | 28 | 39 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 10 | 34 | 19 | 8 | -13 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 | |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 855 | 861 | 849 | 834 | 823 | 47 | 27 | 12 | 6 | 18 | 33 | 44 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 13 | 12 | 20 | 15 | 6 | -12 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 429 | |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 | 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 | 1 | 4 | 6 | 3 | 1 | 1 | 17 | 12 | 14 | 25 | 8 | -14 | -15 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 561 | |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 | 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 | 1 | 4 | 6 | 6 | 3 | 1 | 22 | 12 | 20 | 19 | 8 | 0 | -12 | -15 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 36 | 792 | |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 | 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 15 | 1 | -11 | -18 | -16 | -11 | 6 | 6 | 6 | 3 | 2 | 2 | 3 | 28 | 196 | |
| 1940 | 777 | 778 | 779 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 | 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 13 | 12 | 17 | 22 | 2 | -16 | -16 | -13 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 403 | |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 | 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 14 | 25 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 | |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 | 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 12 | 18 | 21 | 8 | -7 | -9 | -11 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | 35 | 665 | |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 | 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 | 1 | 4 | 5 | 3 | 1 | 1 | 16 | 12 | 20 | 19 | 5 | -11 | -15 | -10 | 6 | 6 | 6 | 6 | 3 | 3 | 4 | 34 | 544 | |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 | 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -2 | 23 | 2 | -13 | -17 | -14 | 6 | 5 | 6 | 6 | 3 | 2 | 3 | 31 | 217 | | |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 | 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 | 1 | 3 | 6 | 3 | 1 | 1 | 16 | 12 | 13 | 23 | 11 | -11 | -14 | -11 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 33 | 528 | |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 | 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 | 1 | 4 | 3 | 6 | 1 | 1 | 12 | 10 | 19 | 22 | -2 | -15 | -16 | -13 | 6 | 6 | 6 | 5 | 3 | 2 | 3 | 31 | 372 | |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 | 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 8 | 13 | -6 | -16 | -15 | -8 | 6 | 6 | 6 | 4 | 2 | 3 | 4 | 31 | 217 | |
| 1948 | 789 | 790 | 791 | 793 | 794 | 794 | 798 | 820 | 837 | 823 | 804 | 791 | 73 | 69 | 47 | 30 | 44 | 63 | 76 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | 4 | 22 | 17 | -14 | -19 | -13 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | |
| 1949 | 786 | 786 | 787 | 788 | 792 | 800 | 810 | 830 | 829 | 809 | 790 | 774 | 67 | 57 | 37 | 38 | 58 | 77 | 93 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 10 | 20 | 1 | -20 | -19 | -16 | 6 | 6 | 6 | 5 | 2 | 2 | 2 | 29 | 203 | |
| 1950 | 769 | 769 | 769 | 776 | 789 | 793 | 808 | 826 | 827 | 807 | 788 | 772 | 74 | 59 | 41 | 40 | 60 | 79 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 4 | 15 | 18 | 1 | -20 | -19 | -16 | 6 | 6 | 6 | 6 | 2 | 2 | 2 | 30 | 210 | |
| 1951 | 768 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 | 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | 8 | 10 | -3 | -18 | -20 | -15 | 6 | 6 | 6 | 5 | 2 | 2 | 3 | 30 | 210 | |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 | 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 12 | 20 | 19 | 8 | -3 | -12 | -12 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 35 | 700 | |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 | 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1 | 6 | 1 | 7 | -14 | -19 | -15 | 6 | 6 | 6 | 6 | 3 | 2 | 3 | 32 | 224 | |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 | 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 13 | 17 | 18 | -7 | -21 | -20 | -15 | 6 | 6 | 6 | 4 | 1 | 2 | 3 | 28 | 196 | |
| 1955 | 766 | 765 | 768 | 774 | 778 | 780 | 780 | 801 | 810 | 795 | 778 | 768 | 87 | 87 | 66 | 57 | 72 | 89 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 2 | 0 | 21 | 9 | -15 | -17 | -10 | 6 | 6 | 6 | 6 | 3 | 2 | 4 | 33 | 231 | |
| 1956 | 763 | 762 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 | 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 | 1 | 4 | 6 | 5 | 2 | 1 | 20 | 11 | 13 | 27 | 8 | -4 | -13 | -10 | 6 | 6 | 6 | 6 | 5 | 3 | 4 | 36 | 720 | |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 | 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 5 | 0 | 15 | 10 | -16 | -18 | -14 | 6 | 6 | 6 | 6 | 2 | 2 | 3 | 31 | 217 | |
| 1958 | 786 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 | 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 | 1 | 4 | 6 | 4 | 2 | 1 | 19 | 12 | 20 | 19 | 8 | -5 | -12 | -10 | 6 | 6 | 6 | | | | | | | |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recircB18-1, 17 Jun 97
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRCB-469/18/ELEVATION-EOP//1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 462 | 471 | 487 | 500 | 506 | 491 | 512 | 530 | 520 | 497 | 481 | 472 |
| 1926 | 475 | 487 | 503 | 517 | 520 | 506 | 548 | 562 | 533 | 492 | 471 | 482 |
| 1927 | 488 | 504 | 525 | 543 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 484 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 478 | 494 | 506 | 517 | 514 | 509 | 524 | 534 | 518 | 488 | 465 | 482 |
| 1931 | 486 | 501 | 513 | 522 | 517 | 508 | 510 | 515 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 469 | 479 | 499 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 494 | 503 | 517 | 549 | 580 | 551 | 548 | 561 | 553 | 512 | 465 | 470 |
| 1941 | 481 | 493 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 484 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 481 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 487 | 503 | 517 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 532 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 519 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 524 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 473 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 564 | 520 | 503 | |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 501 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 479 | 485 | 513 | 560 | 524 | 521 | 487 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 478 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 507 | 534 | 553 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 |
| 85 | 64 | 46 | 56 | 79 | 95 | 104 |
| 70 | 28 | 14 | 43 | 84 | 105 | 94 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 |
| 67 | 52 | 42 | 58 | 88 | 111 | 94 |
| 68 | 66 | 61 | 68 | 94 | 110 | 110 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 |
| 25 | 28 | 15 | 23 | 64 | 111 | 106 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 |
| 9 | 17 | 50 | 0 | 5 | 61 | 68 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 |
| 57 | 42 | 31 | 39 | 72 | 95 | 89 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 |
| 11 | 0 | 0 | 19 | 60 | 78 | |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 |
| 37 | 26 | 12 | 37 | 70 | 98 | 94 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 |
| 16 | 26 | 0 | 0 | 34 | 93 | 99 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 |
| 92 | 109 | 109 | 93 | 12 | 4 | 0 |
| 8 | 6 | 19 | 46 | 89 | 93 | |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 |
| 24 | 2 | 11 | 0 | 18 | 73 | 97 |
| 65 | 46 | 25 | 37 | 73 | 103 | 96 |
| 49 | 37 | 29 | 49 | 78 | 93 | 90 |
| 60 | 39 | 24 | 36 | 74 | 98 | 92 |
| 59 | 44 | 32 | 51 | 68 | 97 | 93 |
| 87 | 75 | 68 | 64 | 70 | 96 | 90 |
| 86 | 83 | 82 | 96 | 106 | 111 | 110 |

STUDY: 1995C06F-SWRCB-469 DWRSIM: recirc818-f, 17 Jun 97
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION (FT)
 Project /1995C06F-SWRCB-469/1/2/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 441 | 475 | 520 | 539 | 544 | 543 | 539 | 524 | 475 | 430 | 440 |
| 1923 | 471 | 496 | 500 | 516 | 526 | 532 | 528 | 506 | 470 | 448 | 418 | 405 |
| 1924 | 424 | 436 | 465 | 511 | 532 | 532 | 523 | 499 | 466 | 428 | 392 | 388 |
| 1925 | 389 | 400 | 443 | 474 | 521 | 532 | 524 | 498 | 457 | 415 | 358 | 339 |
| 1926 | 361 | 379 | 397 | 456 | 500 | 511 | 508 | 486 | 453 | 446 | 393 | 384 |
| 1927 | 393 | 434 | 473 | 520 | 544 | 544 | 540 | 529 | 498 | 464 | 413 | 424 |
| 1928 | 457 | 488 | 499 | 514 | 526 | 532 | 526 | 505 | 458 | 437 | 416 | 402 |
| 1929 | 414 | 441 | 469 | 517 | 532 | 542 | 532 | 520 | 497 | 468 | 437 | 434 |
| 1930 | 434 | 440 | 485 | 533 | 542 | 544 | 526 | 497 | 467 | 459 | 444 | 422 |
| 1931 | 427 | 431 | 432 | 473 | 487 | 487 | 479 | 468 | 451 | 419 | 371 | 371 |
| 1932 | 384 | 383 | 446 | 504 | 533 | 533 | 525 | 506 | 487 | 457 | 415 | 399 |
| 1933 | 415 | 422 | 423 | 471 | 492 | 501 | 498 | 485 | 458 | 423 | 373 | 372 |
| 1934 | 389 | 389 | 439 | 494 | 509 | 509 | 496 | 473 | 449 | 425 | 392 | 386 |
| 1935 | 383 | 404 | 424 | 484 | 494 | 527 | 531 | 506 | 471 | 427 | 353 | 354 |
| 1936 | 394 | 410 | 424 | 480 | 524 | 541 | 541 | 525 | 492 | 457 | 416 | 410 |
| 1937 | 427 | 443 | 468 | 517 | 536 | 544 | 544 | 539 | 510 | 463 | 412 | 401 |
| 1938 | 431 | 465 | 499 | 515 | 530 | 541 | 544 | 544 | 537 | 504 | 470 | 486 |
| 1939 | 513 | 522 | 526 | 539 | 544 | 544 | 526 | 495 | 464 | 452 | 437 | 418 |
| 1940 | 423 | 420 | 414 | 479 | 519 | 526 | 524 | 501 | 460 | 434 | 352 | 350 |
| 1941 | 389 | 422 | 460 | 512 | 536 | 540 | 537 | 534 | 519 | 488 | 428 | 447 |
| 1942 | 479 | 492 | 498 | 513 | 525 | 529 | 526 | 517 | 509 | 481 | 420 | 438 |
| 1943 | 470 | 485 | 490 | 505 | 517 | 529 | 532 | 535 | 507 | 464 | 415 | 421 |
| 1944 | 454 | 485 | 501 | 516 | 530 | 537 | 519 | 488 | 455 | 441 | 424 | 413 |
| 1945 | 419 | 456 | 492 | 519 | 535 | 540 | 530 | 503 | 466 | 445 | 409 | 400 |
| 1946 | 437 | 470 | 495 | 510 | 521 | 528 | 516 | 499 | 448 | 428 | 411 | 399 |
| 1947 | 421 | 454 | 487 | 516 | 529 | 538 | 523 | 490 | 458 | 445 | 429 | 409 |
| 1948 | 413 | 422 | 422 | 474 | 490 | 512 | 511 | 491 | 457 | 418 | 349 | 359 |
| 1949 | 390 | 416 | 448 | 493 | 515 | 542 | 524 | 495 | 453 | 431 | 407 | 395 |
| 1950 | 407 | 420 | 431 | 484 | 522 | 530 | 518 | 490 | 455 | 433 | 415 | 405 |
| 1951 | 428 | 459 | 495 | 525 | 535 | 540 | 527 | 507 | 464 | 434 | 410 | 405 |
| 1952 | 431 | 460 | 490 | 519 | 532 | 537 | 541 | 544 | 536 | 510 | 492 | 499 |
| 1953 | 506 | 515 | 519 | 532 | 543 | 544 | 529 | 515 | 493 | 468 | 430 | 446 |
| 1954 | 478 | 494 | 500 | 515 | 527 | 533 | 526 | 508 | 460 | 436 | 415 | 403 |
| 1955 | 435 | 464 | 494 | 518 | 530 | 538 | 520 | 493 | 465 | 459 | 425 | 418 |
| 1956 | 431 | 453 | 494 | 528 | 542 | 544 | 538 | 528 | 507 | 475 | 434 | 444 |
| 1957 | 470 | 495 | 500 | 514 | 527 | 533 | 524 | 501 | 468 | 450 | 429 | 420 |
| 1958 | 452 | 482 | 506 | 522 | 534 | 537 | 538 | 538 | 500 | 494 | 474 | 488 |
| 1959 | 496 | 504 | 509 | 522 | 534 | 541 | 521 | 488 | 453 | 437 | 426 | 421 |
| 1960 | 432 | 446 | 457 | 504 | 539 | 544 | 525 | 493 | 460 | 439 | 384 | 360 |
| 1961 | 377 | 416 | 454 | 502 | 536 | 544 | 524 | 490 | 460 | 451 | 430 | 409 |
| 1962 | 414 | 419 | 457 | 490 | 528 | 534 | 516 | 484 | 433 | 402 | 326 | 336 |
| 1963 | 377 | 412 | 444 | 490 | 523 | 529 | 529 | 520 | 496 | 464 | 429 | 444 |
| 1964 | 473 | 502 | 514 | 529 | 540 | 544 | 519 | 482 | 438 | 415 | 395 | 397 |
| 1965 | 402 | 433 | 468 | 518 | 532 | 539 | 540 | 526 | 495 | 465 | 420 | 429 |
| 1966 | 460 | 489 | 498 | 513 | 523 | 530 | 512 | 482 | 435 | 413 | 397 | 387 |
| 1967 | 401 | 437 | 475 | 515 | 528 | 533 | 538 | 541 | 534 | 522 | 502 | 505 |
| 1968 | 512 | 523 | 527 | 540 | 544 | 544 | 529 | 496 | 458 | 440 | 423 | 417 |
| 1969 | 437 | 468 | 501 | 523 | 536 | 544 | 544 | 544 | 537 | 517 | 489 | 503 |
| 1970 | 517 | 526 | 530 | 544 | 544 | 544 | 534 | 511 | 470 | 449 | 414 | 409 |
| 1971 | 431 | 464 | 496 | 514 | 524 | 530 | 520 | 503 | 476 | 454 | 435 | 447 |
| 1972 | 475 | 502 | 513 | 528 | 540 | 544 | 526 | 494 | 455 | 437 | 423 | 409 |
| 1973 | 434 | 465 | 496 | 523 | 534 | 540 | 533 | 512 | 481 | 459 | 420 | 419 |
| 1974 | 451 | 480 | 502 | 518 | 530 | 535 | 533 | 521 | 492 | 462 | 438 | 450 |
| 1975 | 474 | 483 | 488 | 502 | 516 | 520 | 517 | 502 | 477 | 444 | 429 | 440 |
| 1976 | 467 | 485 | 491 | 506 | 520 | 532 | 515 | 489 | 472 | 469 | 447 | 430 |
| 1977 | 431 | 439 | 441 | 458 | 458 | 458 | 460 | 449 | 429 | 406 | 399 | 413 |
| 1978 | 418 | 434 | 484 | 532 | 544 | 544 | 544 | 544 | 526 | 469 | 413 | 433 |
| 1979 | 466 | 488 | 492 | 507 | 521 | 528 | 522 | 504 | 474 | 455 | 409 | 405 |
| 1980 | 441 | 475 | 502 | 519 | 534 | 544 | 544 | 544 | 527 | 492 | 452 | 468 |
| 1981 | 499 | 519 | 525 | 539 | 544 | 544 | 530 | 496 | 459 | 441 | 423 | 411 |
| 1982 | 423 | 458 | 492 | 523 | 536 | 543 | 544 | 544 | 531 | 494 | 462 | 472 |
| 1983 | 496 | 515 | 521 | 535 | 544 | 544 | 544 | 544 | 537 | 527 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 536 | 514 | 478 | 458 | 412 | 413 |
| 1985 | 450 | 482 | 497 | 512 | 525 | 532 | 512 | 478 | 434 | 414 | 398 | 397 |
| 1986 | 402 | 408 | 446 | 499 | 529 | 543 | 544 | 544 | 532 | 490 | 458 | 467 |
| 1987 | 496 | 508 | 534 | 544 | 544 | 544 | 523 | 488 | 460 | 450 | 425 | 411 |
| 1988 | 420 | 416 | 455 | 505 | 518 | 518 | 507 | 493 | 482 | 463 | 425 | 422 |
| 1989 | 422 | 438 | 465 | 493 | 493 | 527 | 517 | 486 | 450 | 440 | 386 | 395 |
| 1990 | 410 | 427 | 456 | 499 | 519 | 524 | 508 | 480 | 463 | 456 | 400 | 384 |
| 1991 | 384 | 391 | 391 | 406 | 406 | 470 | 471 | 461 | 443 | 422 | 407 | 409 |
| 1992 | 412 | 426 | 440 | 485 | 517 | 540 | 531 | 513 | 495 | 461 | 418 | 410 |
| 1993 | 410 | 417 | 464 | 519 | 529 | 533 | 528 | 522 | 506 | 459 | 404 | 409 |
| 1994 | 445 | 476 | 488 | 502 | 516 | 526 | 505 | 473 | 449 | 446 | 445 | 432 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|---|---|---|---|----|-----|-----|
| 0 | 1 | 5 | 20 | 69 | 114 | 104 | 19 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 19 | 5 | -1 | -4 | -15 | -49 | -45 | 10 | 6 | 27 | 513 | | | | | | | |
| 12 | 16 | 38 | 74 | 96 | 126 | 139 | 10 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 10 | 6 | -4 | -22 | -36 | -22 | -30 | -13 | 6 | 5 | 1 | 1 | 1 | 1 | 3 | 18 | 180 | |
| 12 | 21 | 45 | 78 | 116 | 152 | 156 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 0 | -9 | -24 | -33 | -38 | -36 | -4 | 6 | 4 | 1 | 1 | 1 | 1 | 5 | 19 | 171 | |
| 12 | 20 | 46 | 87 | 129 | 186 | 205 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 11 | -8 | -26 | -41 | -42 | -57 | -19 | 6 | 4 | 1 | 1 | 1 | 1 | 2 | 16 | 144 | |
| 33 | 36 | 58 | 91 | 98 | 151 | 160 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 11 | -3 | -22 | -33 | -7 | -53 | -9 | 6 | 5 | 1 | 1 | 1 | 4 | 1 | 4 | 22 | 154 | |
| 0 | 4 | 15 | 46 | 80 | 131 | 120 | 6 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 17 | 0 | -4 | -11 | -31 | -34 | -51 | 11 | 6 | 5 | 3 | 1 | 1 | 1 | 6 | 23 | 391 | |
| 12 | 18 | 39 | 86 | 107 | 128 | 142 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 6 | -6 | -21 | -47 | -21 | -21 | -14 | 6 | 4 | 1 | 1 | 1 | 1 | 3 | 17 | 170 | |
| 2 | 12 | 24 | 47 | 76 | 107 | 110 | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 10 | -10 | -12 | -23 | -29 | -31 | -3 | 6 | 4 | 3 | 1 | 1 | 1 | 5 | 21 | 273 | |
| 0 | 18 | 47 | 77 | 85 | 100 | 122 | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 2 | -18 | -29 | -30 | -8 | -15 | -22 | 6 | 2 | 1 | 1 | 1 | 4 | 3 | 1 | 18 | 234 |
| 57 | 65 | 76 | 93 | 125 | 173 | 173 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -8 | -11 | -17 | -32 | -48 | 0 | 6 | 4 | 3 | 2 | 1 | 1 | 1 | 6 | 23 | 161 |
| 11 | 19 | 38 | 57 | 87 | 129 | 145 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 0 | -8 | -19 | -19 | -30 | -42 | -16 | 6 | 4 | 2 | 2 | 1 | 1 | 1 | 2 | 18 | 180 |
| 43 | 46 | 59 | 86 | 121 | 171 | 172 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 9 | -3 | -13 | -27 | -35 | -50 | -1 | 6 | 5 | 3 | 1 | 1 | 1 | 1 | 5 | 22 | 154 |
| 35 | 48 | 71 | 95 | 119 | 152 | 158 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 0 | -13 | -23 | -24 | -24 | -33 | -6 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 17 | 119 |
| 17 | 13 | 38 | 73 | 117 | 191 | 190 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 33 | 4 | -25 | -35 | -44 | -74 | 1 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 6 | 22 | 220 |
| 3 | 3 | 19 | 52 | 87 | 128 | 134 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 16 | 17 | 0 | -16 | -33 | -35 | -41 | -6 | 6 | 6 | 2 | 1 | 1 | 1 | 1 | 4 | 21 | 336 |
| 0 | 0 | 5 | 34 | 81 | 132 | 143 | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 501
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 1067'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 989 | 993 | 999 | 1003 | 1019 | 1038 | 1060 | 1067 | 1062 | 1048 | 1029 | 1023 |
| 1923 | 1020 | 1017 | 1019 | 1023 | 1023 | 1022 | 1034 | 1029 | 1016 | 996 | 978 | 977 |
| 1924 | 978 | 978 | 978 | 979 | 986 | 986 | 975 | 961 | 941 | 918 | 900 | 884 |
| 1925 | 888 | 903 | 911 | 921 | 995 | 1010 | 1042 | 1052 | 1044 | 1022 | 1007 | 1003 |
| 1926 | 1001 | 997 | 994 | 991 | 1018 | 1020 | 1034 | 1028 | 1007 | 986 | 966 | 958 |
| 1927 | 957 | 986 | 1008 | 1033 | 1028 | 1052 | 1067 | 1067 | 1058 | 1041 | 1021 | 1016 |
| 1928 | 1014 | 1017 | 1020 | 1028 | 1044 | 1046 | 1066 | 1062 | 1048 | 1022 | 1000 | 993 |
| 1929 | 989 | 990 | 990 | 990 | 996 | 1002 | 1003 | 997 | 988 | 971 | 953 | 945 |
| 1930 | 943 | 942 | 973 | 985 | 1002 | 1024 | 1035 | 1035 | 1016 | 997 | 985 | 982 |
| 1931 | 980 | 979 | 976 | 979 | 982 | 969 | 981 | 971 | 960 | 937 | 922 | 909 |
| 1932 | 904 | 903 | 919 | 930 | 940 | 965 | 968 | 976 | 968 | 954 | 940 | 933 |
| 1933 | 931 | 931 | 931 | 934 | 937 | 971 | 975 | 981 | 977 | 959 | 945 | 939 |
| 1934 | 938 | 937 | 945 | 963 | 982 | 994 | 995 | 990 | 981 | 946 | 921 | 906 |
| 1935 | 900 | 912 | 916 | 939 | 958 | 982 | 1027 | 1035 | 1027 | 1005 | 992 | 987 |
| 1936 | 985 | 983 | 981 | 1007 | 1032 | 1044 | 1054 | 1052 | 1044 | 1020 | 999 | 994 |
| 1937 | 990 | 986 | 980 | 975 | 976 | 1004 | 1033 | 1042 | 1038 | 1014 | 995 | 988 |
| 1938 | 986 | 1009 | 1020 | 1035 | 1030 | 1024 | 1049 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1939 | 1023 | 1017 | 1020 | 1022 | 1024 | 1039 | 1031 | 1024 | 999 | 977 | 947 | 943 |
| 1940 | 939 | 934 | 943 | 992 | 1017 | 1025 | 1059 | 1064 | 1054 | 1034 | 1017 | 1015 |
| 1941 | 1014 | 1014 | 1019 | 1020 | 1024 | 1045 | 1064 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1942 | 1023 | 1017 | 1020 | 1023 | 1028 | 1042 | 1067 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1943 | 1023 | 1017 | 1022 | 1030 | 1042 | 1051 | 1067 | 1067 | 1059 | 1045 | 1029 | 1023 |
| 1944 | 1022 | 1017 | 1015 | 1014 | 1023 | 1033 | 1038 | 1038 | 1019 | 995 | 974 | 967 |
| 1945 | 969 | 981 | 996 | 1004 | 1038 | 1052 | 1064 | 1067 | 1062 | 1040 | 1021 | 1016 |
| 1946 | 1015 | 1017 | 1018 | 1033 | 1038 | 1050 | 1062 | 1064 | 1054 | 1036 | 1020 | 1017 |
| 1947 | 1011 | 1012 | 1012 | 1009 | 1016 | 1035 | 1042 | 1032 | 1016 | 993 | 973 | 967 |
| 1948 | 974 | 977 | 979 | 1004 | 1003 | 1015 | 1054 | 1067 | 1066 | 1049 | 1032 | 1031 |
| 1949 | 1023 | 1017 | 1016 | 1012 | 1016 | 1050 | 1063 | 1064 | 1048 | 1026 | 1005 | 1000 |
| 1950 | 995 | 992 | 990 | 999 | 1013 | 1031 | 1046 | 1045 | 1032 | 1011 | 994 | 992 |
| 1951 | 1004 | 1017 | 1020 | 1033 | 1040 | 1057 | 1064 | 1067 | 1051 | 1029 | 1011 | 1008 |
| 1952 | 1006 | 1011 | 1019 | 1032 | 1038 | 1048 | 1058 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1953 | 1023 | 1017 | 1021 | 1022 | 1033 | 1051 | 1065 | 1067 | 1067 | 1057 | 1043 | 1036 |
| 1954 | 1023 | 1017 | 1021 | 1030 | 1035 | 1051 | 1067 | 1064 | 1059 | 1042 | 1029 | 1027 |
| 1955 | 1023 | 1017 | 1022 | 1024 | 1027 | 1025 | 1039 | 1046 | 1028 | 1004 | 985 | 985 |
| 1956 | 979 | 984 | 1017 | 1017 | 1019 | 1048 | 1067 | 1067 | 1058 | 1047 | 1036 | 1036 |
| 1957 | 1023 | 1017 | 1016 | 1017 | 1035 | 1052 | 1068 | 1067 | 1060 | 1043 | 1028 | 1031 |
| 1958 | 1023 | 1017 | 1021 | 1029 | 1067 | 1024 | 1053 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1959 | 1023 | 1017 | 1017 | 1034 | 1039 | 1051 | 1055 | 1055 | 1036 | 1011 | 995 | 997 |
| 1960 | 992 | 989 | 988 | 993 | 1021 | 1048 | 1056 | 1064 | 1046 | 1025 | 1006 | 1003 |
| 1961 | 997 | 1000 | 1016 | 1022 | 1044 | 1057 | 1062 | 1067 | 1048 | 1024 | 1003 | 1003 |
| 1962 | 996 | 997 | 1008 | 1010 | 1035 | 1052 | 1063 | 1064 | 1053 | 1032 | 1012 | 1009 |
| 1963 | 1023 | 1017 | 1021 | 1025 | 1045 | 1055 | 1052 | 1067 | 1063 | 1052 | 1040 | 1036 |
| 1964 | 1023 | 1017 | 1018 | 1033 | 1034 | 1038 | 1033 | 1028 | 1012 | 990 | 970 | 967 |
| 1965 | 966 | 976 | 1017 | 1022 | 1041 | 1050 | 1065 | 1066 | 1057 | 1041 | 1030 | 1029 |
| 1966 | 1023 | 1017 | 1021 | 1037 | 1049 | 1055 | 1067 | 1064 | 1049 | 1029 | 1013 | 1009 |
| 1967 | 1000 | 1014 | 1021 | 1030 | 1044 | 1048 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1968 | 1023 | 1017 | 1019 | 1025 | 1034 | 1054 | 1056 | 1058 | 1042 | 1021 | 1012 | 1010 |
| 1969 | 1006 | 1007 | 1018 | 1022 | 1027 | 1048 | 1063 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1970 | 1023 | 1017 | 1020 | 1017 | 1025 | 1052 | 1055 | 1055 | 1043 | 1023 | 1007 | 1005 |
| 1971 | 1004 | 1017 | 1020 | 1028 | 1042 | 1043 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1972 | 1023 | 1017 | 1022 | 1033 | 1045 | 1056 | 1067 | 1067 | 1050 | 1029 | 1015 | 1015 |
| 1973 | 1016 | 1017 | 1021 | 1030 | 1034 | 1053 | 1065 | 1067 | 1059 | 1041 | 1027 | 1026 |
| 1974 | 1023 | 1017 | 1018 | 1017 | 1036 | 1025 | 1058 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1975 | 1023 | 1017 | 1021 | 1024 | 1045 | 1039 | 1061 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1976 | 1023 | 1017 | 1018 | 1017 | 1012 | 1017 | 1024 | 1020 | 995 | 974 | 970 | 972 |
| 1977 | 975 | 976 | 976 | 977 | 967 | 967 | 949 | 943 | 921 | 902 | 883 | 880 |
| 1978 | 869 | 867 | 913 | 1017 | 1031 | 1047 | 1067 | 1067 | 1064 | 1053 | 1040 | 1036 |
| 1979 | 1023 | 1017 | 1014 | 1017 | 1028 | 1045 | 1053 | 1061 | 1047 | 1028 | 1016 | 1014 |
| 1980 | 1014 | 1017 | 1019 | 1029 | 1019 | 1046 | 1059 | 1064 | 1056 | 1045 | 1035 | 1035 |
| 1981 | 1023 | 1017 | 1020 | 1029 | 1042 | 1056 | 1064 | 1062 | 1042 | 1018 | 1001 | 998 |
| 1982 | 994 | 1017 | 1018 | 1033 | 1029 | 1046 | 1051 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1983 | 1023 | 1017 | 1020 | 1022 | 1017 | 1045 | 1050 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1984 | 1023 | 1017 | 1018 | 1034 | 1047 | 1056 | 1064 | 1067 | 1059 | 1043 | 1033 | 1034 |
| 1985 | 1023 | 1017 | 1022 | 1023 | 1027 | 1034 | 1042 | 1033 | 1010 | 989 | 972 | 972 |
| 1986 | 974 | 978 | 989 | 1014 | 1017 | 1029 | 1048 | 1050 | 1038 | 1022 | 1006 | 1009 |
| 1987 | 1009 | 1008 | 1008 | 1009 | 1019 | 1046 | 1046 | 1040 | 1008 | 984 | 949 | 947 |
| 1988 | 943 | 945 | 976 | 998 | 1001 | 1004 | 1011 | 1010 | 992 | 959 | 944 | 942 |
| 1989 | 942 | 955 | 961 | 968 | 975 | 1038 | 1058 | 1054 | 1038 | 1017 | 1006 | 1007 |
| 1990 | 1009 | 1006 | 1003 | 1008 | 1008 | 1015 | 1007 | 1013 | 998 | 971 | 955 | 951 |
| 1991 | 947 | 945 | 944 | 945 | 941 | 967 | 978 | 978 | 968 | 955 | 941 | 933 |
| 1992 | 932 | 930 | 931 | 936 | 975 | 998 | 1009 | 1001 | 987 | 971 | 958 | 951 |
| 1993 | 947 | 945 | 959 | 994 | 1026 | 1031 | 1059 | 1067 | 1067 | 1054 | 1046 | 1045 |
| 1994 | 1043 | 1017 | 1019 | 1020 | 1026 | 1028 | 1028 | 1026 | 999 | 978 | 956 | 953 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 19 | 38 | 44 |
| 45 | 33 | 38 | 51 | 71 | 89 | 90 |
| 81 | 92 | 106 | 126 | 149 | 167 | 183 |
| 57 | 25 | 15 | 23 | 45 | 60 | 64 |
| 47 | 33 | 39 | 60 | 81 | 101 | 109 |
| 15 | 0 | 0 | 9 | 26 | 46 | 51 |
| 21 | 1 | 5 | 19 | 45 | 67 | 74 |
| 65 | 64 | 70 | 79 | 96 | 114 | 122 |
| 43 | 32 | 32 | 51 | 70 | 82 | 85 |
| 78 | 86 | 96 | 107 | 130 | 145 | 158 |
| 102 | 99 | 91 | 99 | 113 | 127 | 134 |
| 96 | 92 | 86 | 90 | 108 | 122 | 128 |
| 73 | 72 | 77 | 86 | 121 | 146 | 161 |
| 85 | 40 | 32 | 40 | 62 | 75 | 80 |
| 23 | 13 | 15 | 23 | 47 | 68 | 73 |
| 63 | 34 | 25 | 29 | 53 | 72 | 79 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 28 | 36 | 43 | 68 | 90 | 120 | 124 |
| 42 | 8 | 3 | 13 | 33 | 50 | 52 |
| 22 | 3 | 0 | 0 | 9 | 21 | 31 |
| 25 | 0 | 0 | 0 | 9 | 22 | 31 |
| 16 | 0 | 0 | 8 | 22 | 38 | 44 |
| 34 | 29 | 29 | 48 | 72 | 93 | 100 |
| 15 | 3 | 0 | 5 | 27 | 46 | 51 |
| 17 | 5 | 3 | 13 | 31 | 47 | 50 |
| 32 | 25 | 35 | 51 | 74 | 94 | 100 |
| 52 | 13 | 0 | 1 | 18 | 35 | 36 |
| 17 | 4 | 3 | 19 | 41 | 62 | 67 |
| 36 | 21 | 22 | 35 | 56 | 73 | 75 |
| 10 | 3 | 0 | 16 | 38 | 56 | 59 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 10 | 24 | 31 |
| 42 | 28 | 21 | 39 | 63 | 82 | 82 |
| 19 | 0 | 0 | 0 | 9 | 20 | 31 |
| 15 | 9 | 0 | 7 | 24 | 39 | 36 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 16 | 12 | 12 | 31 | 56 | 72 | 70 |
| 19 | 11 | 3 | 21 | 42 | 61 | 64 |
| 10 | 5 | 0 | 19 | 43 | 64 | 64 |
| 15 | 4 | 3 | 14 | 35 | 55 | 58 |
| 12 | 15 | 0 | 4 | 15 | 27 | 31 |
| 29 | 34 | 39 | 55 | 77 | 97 | 100 |
| 17 | 2 | 1 | 10 | 26 | 37 | 38 |
| 12 | 0 | 3 | 18 | 38 | 54 | 58 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 11 | 9 | 25 | 46 | 55 | 57 |
| 19 | 4 | 0 | 0 | 9 | 20 | 31 |
| 15 | 12 | 12 | 24 | 44 | 60 | 62 |
| 24 | 3 | 0 | 0 | 9 | 20 | 31 |
| 11 | 0 | 0 | 17 | 38 | 52 | 52 |
| 14 | 2 | 0 | 8 | 26 | 40 | 41 |
| 42 | 9 | 0 | 0 | 9 | 20 | 31 |
| 28 | 6 | 0 | 0 | 9 | 20 | 31 |
| 50 | 43 | 47 | 72 | 93 | 97 | 95 |
| 100 | 118 | 124 | 146 | 165 | 184 | 187 |
| 20 | 0 | 0 | 3 | 14 | 27 | 31 |
| 22 | 14 | 6 | 20 | 39 | 51 | 53 |
| 21 | 8 | 3 | 11 | 22 | 32 | 32 |
| 11 | 3 | 5 | 25 | 49 | 66 | 69 |
| 21 | 16 | 0 | 0 | 9 | 20 | 31 |
| 22 | 17 | 0 | 0 | 9 | 20 | 31 |

STUDY: 501
CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 900'
Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 876 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 872 | 894 | 900 | 881 | 842 | 812 | 814 |
| 1924 | 806 | 794 | 763 | 768 | 787 | 776 | 763 | 752 | 730 | 710 | 702 | 695 |
| 1925 | 696 | 700 | 707 | 723 | 790 | 818 | 837 | 844 | 827 | 797 | 786 | 783 |
| 1926 | 779 | 777 | 779 | 793 | 835 | 855 | 887 | 874 | 853 | 810 | 796 | 774 |
| 1927 | 711 | 803 | 803 | 828 | 849 | 863 | 890 | 900 | 900 | 865 | 853 | 850 |
| 1928 | 847 | 858 | 859 | 868 | 871 | 849 | 878 | 863 | 843 | 789 | 737 | 730 |
| 1929 | 717 | 712 | 710 | 715 | 729 | 746 | 752 | 754 | 747 | 730 | 720 | 714 |
| 1930 | 705 | 702 | 763 | 792 | 819 | 851 | 873 | 876 | 858 | 819 | 783 | 780 |
| 1931 | 770 | 762 | 754 | 767 | 779 | 786 | 783 | 768 | 747 | 726 | 716 | 709 |
| 1932 | 703 | 695 | 700 | 724 | 747 | 780 | 785 | 809 | 779 | 728 | 711 | 705 |
| 1933 | 696 | 684 | 683 | 694 | 703 | 708 | 717 | 734 | 728 | 712 | 702 | 695 |
| 1934 | 691 | 682 | 685 | 712 | 735 | 762 | 754 | 745 | 720 | 696 | 687 | 680 |
| 1935 | 666 | 671 | 677 | 705 | 729 | 760 | 850 | 860 | 846 | 822 | 811 | 794 |
| 1936 | 784 | 774 | 771 | 822 | 849 | 860 | 886 | 897 | 886 | 846 | 827 | 823 |
| 1937 | 810 | 799 | 795 | 798 | 815 | 841 | 866 | 878 | 856 | 830 | 815 | 808 |
| 1938 | 804 | 821 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 713 | 655 | 649 |
| 1940 | 639 | 628 | 631 | 704 | 813 | 849 | 879 | 883 | 867 | 829 | 822 | 810 |
| 1941 | 802 | 802 | 843 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 885 | 882 | 882 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 896 | 895 | 863 | 852 | 853 |
| 1944 | 854 | 857 | 856 | 862 | 857 | 868 | 879 | 895 | 875 | 835 | 797 | 791 |
| 1945 | 786 | 793 | 809 | 823 | 862 | 865 | 880 | 896 | 877 | 837 | 813 | 808 |
| 1946 | 807 | 816 | 849 | 864 | 868 | 868 | 887 | 892 | 870 | 831 | 788 | 785 |
| 1947 | 777 | 783 | 791 | 797 | 823 | 845 | 855 | 850 | 832 | 777 | 725 | 718 |
| 1948 | 721 | 722 | 718 | 755 | 758 | 778 | 839 | 868 | 874 | 842 | 825 | 809 |
| 1949 | 802 | 799 | 800 | 805 | 813 | 834 | 854 | 858 | 836 | 784 | 750 | 744 |
| 1950 | 730 | 723 | 721 | 754 | 801 | 837 | 870 | 889 | 875 | 837 | 820 | 819 |
| 1951 | 823 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 848 | 820 | 820 |
| 1952 | 823 | 826 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 887 | |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 868 | 870 |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 863 | 847 | 800 | 753 | 753 |
| 1955 | 754 | 756 | 764 | 777 | 786 | 799 | 808 | 823 | 794 | 730 | 708 | 705 |
| 1956 | 696 | 692 | 846 | 849 | 849 | 864 | 892 | 900 | 900 | 873 | 870 | 874 |
| 1957 | 869 | 874 | 874 | 871 | 873 | 863 | 863 | 881 | 866 | 827 | 792 | 798 |
| 1958 | 800 | 804 | 823 | 843 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 862 | 867 | 871 | 874 | 853 | 807 | 757 | 767 | | |
| 1960 | 754 | 742 | 737 | 752 | 813 | 853 | 853 | 859 | 840 | 799 | 787 | 780 |
| 1961 | 769 | 772 | 781 | 792 | 821 | 839 | 845 | 850 | 829 | 773 | 716 | 712 |
| 1962 | 695 | 690 | 700 | 714 | 778 | 814 | 837 | 836 | 821 | 762 | 735 | 715 |
| 1963 | 790 | 802 | 833 | 856 | 867 | 858 | 876 | 900 | 893 | 857 | 845 | 846 |
| 1964 | 847 | 859 | 861 | 866 | 874 | 874 | 880 | 885 | 869 | 828 | 781 | 756 |
| 1965 | 744 | 745 | 849 | 849 | 863 | 870 | 887 | 881 | 883 | 853 | 848 | 849 |
| 1966 | 853 | 859 | 860 | 864 | 870 | 874 | 894 | 882 | 862 | 821 | 773 | 767 |
| 1967 | 754 | 764 | 802 | 849 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 840 | 764 | 761 |
| 1969 | 762 | 768 | 790 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 818 | 787 | 789 |
| 1971 | 792 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 871 | 853 | 855 |
| 1972 | 860 | 866 | 865 | 869 | 867 | 874 | 884 | 886 | 867 | 826 | 781 | 782 |
| 1973 | 778 | 793 | 820 | 849 | 849 | 860 | 882 | 900 | 869 | 829 | 810 | 806 |
| 1974 | 810 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 888 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 877 | 876 | 877 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 794 | 753 | 753 |
| 1977 | 742 | 731 | 714 | 714 | 711 | 695 | 690 | 665 | 655 | 625 | 594 | 591 |
| 1978 | 580 | 580 | 616 | 744 | 797 | 859 | 878 | 897 | 891 | 871 | 861 | 869 |
| 1979 | 871 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 863 | 828 | 819 | 816 |
| 1980 | 822 | 825 | 833 | 850 | 849 | 865 | 881 | 893 | 888 | 873 | 866 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 806 | 762 | 762 |
| 1982 | 770 | 849 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 886 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 890 | 889 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 878 | 840 | 830 | 832 |
| 1985 | 836 | 850 | 860 | 866 | 874 | 871 | 886 | 872 | 849 | 804 | 754 | 737 |
| 1986 | 727 | 724 | 731 | 767 | 849 | 849 | 871 | 875 | 871 | 842 | 831 | 842 |
| 1987 | 844 | 850 | 846 | 847 | 858 | 867 | 855 | 845 | 817 | 756 | 713 | 708 |
| 1988 | 695 | 698 | 738 | 765 | 767 | 768 | 767 | 756 | 733 | 712 | 700 | 698 |
| 1989 | 689 | 708 | 718 | 725 | 724 | 840 | 866 | 856 | 839 | 790 | 778 | 776 |
| 1990 | 787 | 788 | 778 | 786 | 793 | 820 | 807 | 807 | 782 | 726 | 713 | 705 |
| 1991 | 686 | 678 | 659 | 656 | 645 | 699 | 722 | 736 | 720 | 697 | 692 | 692 |
| 1992 | 687 | 682 | 684 | 687 | 718 | 748 | 763 | 753 | 728 | 705 | 693 | 687 |
| 1993 | 679 | 674 | 692 | 760 | 812 | 861 | 894 | 900 | 900 | 881 | 876 | 875 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 873 | 871 | 866 | 844 | 801 | 754 | 748 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 20 | 24 | 24 |
| 28 | 6 | 0 | 19 | 58 | 88 | 86 |
| 124 | 137 | 148 | 170 | 190 | 198 | 205 |
| 82 | 63 | 56 | 73 | 103 | 114 | 117 |
| 45 | 13 | 26 | 47 | 90 | 104 | 126 |
| 37 | 10 | 0 | 0 | 35 | 47 | 50 |
| 51 | 22 | 37 | 57 | 111 | 163 | 170 |
| 154 | 148 | 146 | 153 | 170 | 180 | 186 |
| 49 | 27 | 24 | 42 | 81 | 117 | 120 |
| 104 | 117 | 132 | 153 | 174 | 184 | 191 |
| 120 | 115 | 91 | 121 | 172 | 189 | 195 |
| 192 | 183 | 166 | 172 | 188 | 198 | 205 |
| 138 | 146 | 155 | 180 | 204 | 213 | 220 |
| 140 | 50 | 40 | 54 | 78 | 89 | 106 |
| 40 | 14 | 3 | 14 | 54 | 73 | 77 |
| 59 | 34 | 22 | 44 | 70 | 85 | 92 |
| 51 | 18 | 0 | 0 | 1 | 4 | 13 |
| 67 | 78 | 87 | 122 | 187 | 245 | 251 |
| 51 | 21 | 17 | 33 | 71 | 78 | 90 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 |
| 33 | 18 | 0 | 0 | 15 | 18 | 18 |
| 41 | 13 | 4 | 5 | 37 | 48 | 47 |
| 32 | 21 | 5 | 25 | 65 | 103 | 109 |
| 35 | 20 | 4 | 23 | 63 | 87 | 92 |
| 32 | 13 | 8 | 30 | 69 | 112 | 115 |
| 55 | 45 | 50 | 68 | 123 | 175 | 182 |
| 122 | 61 | 32 | 26 | 58 | 75 | 91 |
| 66 | 46 | 42 | 64 | 116 | 150 | 156 |
| 63 | 30 | 14 | 0 | 11 | 52 | 80 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 |
| 33 | 17 | 0 | 0 | 30 | 32 | 30 |
| 41 | 17 | 37 | 53 | 100 | 147 | 147 |
| 101 | 92 | 77 | 106 | 170 | 192 | 195 |
| 36 | 8 | 0 | 0 | 27 | 30 | 26 |
| 37 | 37 | 19 | 34 | 73 | 108 | 102 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 29 | 26 | 47 | 93 | 143 | 139 |
| 47 | 47 | 41 | 60 | 101 | 113 | 120 |
| 61 | 55 | 50 | 71 | 127 | 184 | 188 |
| 86 | 63 | 64 | 79 | 138 | 165 | 185 |
| 42 | 24 | 0 | 7 | 43 | 55 | 54 |
| 26 | 20 | 15 | 31 | 72 | 119 | 144 |
| 30 | 13 | 19 | 17 | 47 | 52 | 51 |
| 26 | 6 | 18 | 38 | 79 | 127 | 133 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 37 | 33 | 52 | 98 | 136 | 139 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 |
| 26 | 31 | 29 | 43 | 82 | 113 | 111 |
| 26 | 7 | 0 | 0 | 29 | 47 | 45 |
| 26 | 16 | 14 | 33 | 74 | 119 | 118 |
| 40 | 18 | 0 | 31 | 71 | 90 | 94 |
| 51 | 17 | 0 | 0 | 11 | 12 | 14 |
| 48 | 19 | 0 | 0 | 23 | 24 | 23 |
| 26 | 29 | 38 | 60 | 106 | 147 | 147 |
| 210 | 235 | 245 | 275 | 298 | 306 | 309 |
| 41 | 22 | 3 | 9 | 29 | 39 | 31 |
| 37 | 22 | 4 | 37 | 72 | 81 | 84 |
| 35 | 19 | 7 | 12 | 27 | 34 | 35 |
| 35 | 25 | 28 | 49 | 94 | 138 | 138 |
| 41 | 16 | 0 | 0 | 11 | 14 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 15 | 6 | 22 | 60 | 70 | 68 |
| 29 | 14 | 28 | 51 | 96 | 146 | 163 |
| 51 | 29 | 25 | 29 | 58 | 69 | 58 |
| 33 | 45 | 55 | 83 | 144 | 187 | 192 |
| 132 | 133 | 144 | 167 | 188 | 200 | 202 |
| 60 | 34 | 44 | 61 | 110 | 122 | 124 |
| 80 | 93 | 93 | 118 | 174 | 187 | 195 |
| 201 | 178 | 164 | 180 | 203 | 208 | 208 |
| 152 | 137 | 147 | 172 | 195 | 207 | 213 |
| 39 | 6 | 0 | 0 | 19 | 24 | |

STUDY: 501
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 466'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 408 | 413 | 413 | 424 | 428 | 443 | 466 | 466 | 463 | 446 | 407 |
| 1923 | 425 | 423 | 424 | 424 | 423 | 421 | 449 | 466 | 451 | 430 | 410 | 434 |
| 1924 | 402 | 396 | 389 | 379 | 376 | 356 | 358 | 354 | 334 | 334 | 337 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 424 | 437 | 449 | 466 | 449 | 426 | 415 | 411 |
| 1926 | 406 | 397 | 392 | 385 | 407 | 407 | 440 | 438 | 411 | 358 | 338 | 351 |
| 1927 | 358 | 399 | 420 | 424 | 424 | 437 | 449 | 466 | 461 | 451 | 442 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 442 | 417 | 407 | 406 |
| 1929 | 386 | 378 | 372 | 355 | 352 | 363 | 378 | 386 | 371 | 335 | 347 | 351 |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 416 | 384 | 343 | 342 |
| 1931 | 335 | 349 | 362 | 376 | 385 | 399 | 393 | 389 | 334 | 334 | 335 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 442 | 458 | 444 | 406 | 379 | 382 |
| 1933 | 361 | 334 | 347 | 350 | 335 | 364 | 334 | 367 | 344 | 334 | 352 | 347 |
| 1934 | 335 | 335 | 375 | 402 | 420 | 425 | 417 | 411 | 334 | 324 | 313 | 326 |
| 1935 | 334 | 361 | 378 | 402 | 418 | 421 | 449 | 453 | 452 | 423 | 406 | 404 |
| 1936 | 401 | 388 | 386 | 424 | 424 | 437 | 449 | 461 | 455 | 442 | 428 | 429 |
| 1937 | 417 | 409 | 402 | 393 | 419 | 437 | 449 | 466 | 454 | 437 | 423 | 426 |
| 1938 | 415 | 412 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 390 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 448 | 431 | 423 | 426 |
| 1941 | 421 | 416 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 447 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 448 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 447 | 441 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 413 | 391 | 363 | 364 |
| 1945 | 356 | 388 | 409 | 418 | 424 | 437 | 449 | 466 | 455 | 444 | 436 | 433 |
| 1946 | 427 | 424 | 424 | 424 | 423 | 437 | 449 | 466 | 451 | 438 | 431 | 429 |
| 1947 | 417 | 418 | 417 | 408 | 410 | 427 | 437 | 440 | 412 | 378 | 347 | 336 |
| 1948 | 359 | 376 | 380 | 405 | 402 | 396 | 434 | 455 | 456 | 447 | 440 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 444 | 459 | 442 | 426 | 411 | 409 |
| 1950 | 393 | 389 | 384 | 415 | 424 | 437 | 449 | 466 | 455 | 443 | 438 | 434 |
| 1951 | 428 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 434 | 429 | 426 |
| 1952 | 424 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 462 | 446 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 441 | 422 | 417 | 417 |
| 1955 | 412 | 405 | 409 | 415 | 415 | 411 | 421 | 431 | 415 | 391 | 358 | 365 |
| 1956 | 334 | 356 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 448 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 433 | 459 | 448 | 436 | 429 | 428 |
| 1958 | 421 | 415 | 416 | 421 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 426 | 434 | 434 | 412 | 389 | 377 | 384 |
| 1960 | 373 | 367 | 367 | 378 | 419 | 437 | 448 | 446 | 426 | 404 | 392 | 394 |
| 1961 | 388 | 391 | 394 | 393 | 401 | 409 | 413 | 425 | 409 | 390 | 379 | 385 |
| 1962 | 380 | 377 | 385 | 387 | 424 | 433 | 448 | 455 | 448 | 428 | 415 | 413 |
| 1963 | 441 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 453 | 448 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 418 | 415 | 426 | 433 | 413 | 379 | 347 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 412 | 449 | 464 | 454 | 447 | 443 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 448 | 447 | 427 | 404 | 393 | 392 |
| 1967 | 384 | 393 | 421 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 439 | 441 | 419 | 395 | 392 | 395 |
| 1969 | 393 | 402 | 415 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 431 | 440 | 429 | 413 | 406 | 409 |
| 1971 | 400 | 414 | 424 | 424 | 424 | 437 | 447 | 461 | 461 | 459 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 432 | 410 | 403 | 403 |
| 1973 | 402 | 407 | 422 | 424 | 424 | 437 | 449 | 466 | 451 | 434 | 425 | 426 |
| 1974 | 423 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 449 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 392 | 397 | 401 | 365 | 334 | 341 | 342 |
| 1977 | 335 | 334 | 330 | 325 | 321 | 323 | 333 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 286 | 304 | 358 | 424 | 424 | 437 | 449 | 466 | 459 | 452 | 439 | 434 |
| 1979 | 423 | 417 | 409 | 416 | 424 | 437 | 447 | 466 | 449 | 431 | 423 | 422 |
| 1980 | 419 | 417 | 417 | 405 | 399 | 430 | 449 | 464 | 453 | 453 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 411 | 390 | 382 | 383 |
| 1982 | 385 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 441 | 464 | 453 | 440 | 430 | 430 |
| 1985 | 424 | 424 | 424 | 424 | 422 | 428 | 443 | 442 | 413 | 373 | 335 | 334 |
| 1986 | 335 | 366 | 396 | 424 | 396 | 424 | 449 | 464 | 456 | 451 | 447 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 416 | 418 | 386 | 335 | 322 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 390 | 388 | 396 | 392 | 356 | 330 | 314 | 376 |
| 1989 | 353 | 374 | 391 | 401 | 393 | 437 | 449 | 452 | 433 | 410 | 404 | 408 |
| 1990 | 405 | 404 | 400 | 400 | 398 | 410 | 413 | 414 | 379 | 334 | 343 | 344 |
| 1991 | 334 | 334 | 334 | 332 | 332 | 383 | 407 | 425 | 421 | 412 | 407 | 405 |
| 1992 | 398 | 386 | 376 | 359 | 383 | 399 | 409 | 404 | 361 | 334 | 323 | 316 |
| 1993 | 315 | 315 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 455 | 449 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 389 | 397 | 402 | 376 | 334 | 334 | 332 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 20 | 32 | 1 |
| 45 | 17 | 0 | 15 | 36 | 56 | 59 | 1 |
| 110 | 108 | 112 | 132 | 132 | 129 | 132 | 1 |
| 29 | 17 | 0 | 17 | 40 | 51 | 55 | 1 |
| 59 | 26 | 28 | 55 | 108 | 128 | 115 | 1 |
| 29 | 17 | 0 | 5 | 15 | 24 | 32 | 1 |
| 29 | 17 | 13 | 24 | 49 | 59 | 60 | 1 |
| 103 | 88 | 80 | 95 | 131 | 119 | 115 | 1 |
| 29 | 23 | 24 | 50 | 82 | 123 | 124 | 1 |
| 67 | 73 | 77 | 132 | 132 | 131 | 132 | 1 |
| 30 | 24 | 8 | 22 | 60 | 87 | 84 | 1 |
| 102 | 132 | 99 | 122 | 132 | 114 | 119 | 1 |
| 41 | 49 | 55 | 132 | 142 | 153 | 140 | 1 |
| 45 | 17 | 13 | 14 | 43 | 60 | 62 | 1 |
| 29 | 17 | 5 | 11 | 24 | 38 | 37 | 1 |
| 29 | 17 | 0 | 12 | 29 | 43 | 40 | 1 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 57 | 51 | 48 | 76 | 132 | 132 | 131 | 1 |
| 29 | 17 | 5 | 18 | 35 | 43 | 40 | 1 |
| 29 | 17 | 0 | 8 | 11 | 19 | 32 | 1 |
| 36 | 17 | 0 | 0 | 3 | 18 | 32 | 1 |
| 32 | 17 | 5 | 15 | 19 | 25 | 32 | 1 |
| 47 | 46 | 33 | 53 | 75 | 103 | 102 | 1 |
| 29 | 17 | 0 | 11 | 22 | 30 | 33 | 1 |
| 29 | 17 | 0 | 15 | 28 | 35 | 37 | 1 |
| 39 | 29 | 26 | 54 | 88 | 119 | 130 | 1 |
| 70 | 32 | 11 | 10 | 19 | 26 | 32 | 1 |
| 44 | 22 | 7 | 24 | 40 | 55 | 57 | 1 |
| 29 | 17 | 0 | 11 | 23 | 28 | 32 | 1 |
| 40 | 17 | 0 | 16 | 32 | 37 | 40 | 1 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 36 | 20 | 18 | 2 | 4 | 20 | 32 | 1 |
| 29 | 17 | 14 | 25 | 44 | 49 | 49 | 1 |
| 55 | 45 | 35 | 51 | 75 | 108 | 101 | 1 |
| 41 | 25 | 0 | 0 | 3 | 18 | 32 | 1 |
| 29 | 17 | 7 | 18 | 30 | 37 | 38 | 1 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 40 | 32 | 32 | 54 | 77 | 89 | 82 | 1 |
| 29 | 18 | 20 | 40 | 62 | 74 | 72 | 1 |
| 57 | 53 | 41 | 57 | 76 | 87 | 81 | 1 |
| 33 | 18 | 11 | 18 | 38 | 51 | 53 | 1 |
| 36 | 17 | 0 | 7 | 13 | 18 | 32 | 1 |
| 51 | 40 | 33 | 53 | 87 | 119 | 132 | 1 |
| 54 | 17 | 2 | 12 | 19 | 23 | 32 | 1 |
| 36 | 18 | 19 | 39 | 62 | 73 | 74 | 1 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 29 | 27 | 25 | 47 | 71 | 74 | 71 | 1 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 40 | 35 | 26 | 37 | 53 | 60 | 57 | 1 |
| 29 | 19 | 5 | 5 | 7 | 17 | 32 | 1 |
| 29 | 22 | 15 | 34 | 56 | 63 | 63 | 1 |
| 29 | 17 | 0 | 15 | 32 | 41 | 40 | 1 |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 | 1 |
| 29 | 25 | 0 | 0 | 3 | 17 | 32 | 1 |
| 74 | 69 | 65 | 101 | 132 | 125 | 124 | 1 |
| 143 | 133 | 125 | 132 | 147 | 161 | 175 | 1 |
| 29 | 17 | 0 | 7 | 14 | 27 | 32 | 1 |
| 29 | 19 | 0 | 17 | 35 | 43 | 44 | 1 |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 | 1 |
| 44 | 33 | 31 | 55 | 76 | 84 | 83 | 1 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 | 1 |
| 42 | 25 | 2 | 13 | 26 | 36 | 36 | 1 |
| 38 | 23 | 24 | 53 | 93 | 131 | 132 | 1 |
| 42 | 17 | 2 | 10 | 15 | 19 | | |

STUDY: **501**
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 973 | 990 | 1012 | 1004 | 991 | 981 |
| 1923 | 980 | 984 | 994 | 1002 | 1008 | 1007 | 1004 | 1008 | 1008 | 999 | 985 | 976 |
| 1924 | 975 | 977 | 981 | 985 | 988 | 988 | 979 | 967 | 954 | 942 | 930 | 926 |
| 1925 | 926 | 928 | 931 | 935 | 953 | 965 | 966 | 982 | 986 | 977 | 964 | 957 |
| 1926 | 955 | 957 | 959 | 961 | 972 | 975 | 975 | 965 | 952 | 937 | 923 | 912 |
| 1927 | 913 | 918 | 927 | 934 | 953 | 964 | 973 | 984 | 986 | 976 | 963 | 956 |
| 1928 | 957 | 963 | 968 | 972 | 980 | 1001 | 999 | 1001 | 993 | 979 | 964 | 957 |
| 1929 | 956 | 958 | 961 | 964 | 968 | 969 | 964 | 961 | 950 | 938 | 925 | 918 |
| 1930 | 919 | 921 | 923 | 927 | 933 | 941 | 941 | 936 | 931 | 917 | 896 | 883 |
| 1931 | 884 | 889 | 892 | 896 | 901 | 904 | 896 | 883 | 865 | 847 | 828 | 819 |
| 1932 | 818 | 821 | 832 | 841 | 864 | 874 | 875 | 911 | 930 | 922 | 905 | 893 |
| 1933 | 894 | 896 | 902 | 906 | 911 | 913 | 906 | 902 | 898 | 878 | 856 | 844 |
| 1934 | 844 | 849 | 855 | 861 | 870 | 879 | 871 | 857 | 837 | 818 | 791 | 773 |
| 1935 | 770 | 772 | 779 | 793 | 804 | 816 | 834 | 877 | 897 | 882 | 863 | 851 |
| 1936 | 850 | 855 | 860 | 877 | 914 | 927 | 940 | 963 | 970 | 960 | 947 | 939 |
| 1937 | 940 | 942 | 946 | 950 | 963 | 977 | 979 | 1003 | 1007 | 998 | 987 | 979 |
| 1938 | 979 | 982 | 994 | 1004 | 1022 | 1044 | 1052 | 1079 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 988 | 990 | 992 | 1004 | 1018 | 1035 | 1044 | 1055 | 1046 | 1033 | 1021 | 1014 |
| 1941 | 1013 | 1015 | 1021 | 1027 | 1037 | 1047 | 1043 | 1058 | 1064 | 1058 | 1048 | 1040 |
| 1942 | 1038 | 1040 | 1045 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1059 | 1048 | 1041 |
| 1944 | 1030 | 1040 | 1042 | 1043 | 1046 | 1050 | 1045 | 1041 | 1035 | 1022 | 1008 | 1000 |
| 1945 | 998 | 1003 | 1007 | 1012 | 1026 | 1035 | 1035 | 1048 | 1054 | 1046 | 1033 | 1026 |
| 1946 | 1026 | 1030 | 1040 | 1048 | 1050 | 1054 | 1052 | 1061 | 1057 | 1046 | 1034 | 1027 |
| 1947 | 1026 | 1029 | 1031 | 1033 | 1037 | 1040 | 1028 | 1019 | 1010 | 999 | 988 | 981 |
| 1948 | 979 | 981 | 983 | 985 | 987 | 990 | 989 | 991 | 999 | 990 | 978 | 971 |
| 1949 | 969 | 972 | 975 | 978 | 982 | 988 | 981 | 985 | 979 | 966 | 954 | 946 |
| 1950 | 945 | 945 | 948 | 956 | 966 | 974 | 974 | 986 | 991 | 980 | 967 | 960 |
| 1951 | 958 | 994 | 1034 | 1046 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 1000 |
| 1952 | 998 | 1001 | 1008 | 1022 | 1033 | 1046 | 1048 | 1077 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1037 | 1028 | 1016 | 1009 |
| 1954 | 1005 | 1008 | 1010 | 1013 | 1015 | 1023 | 1025 | 1028 | 1019 | 1005 | 992 | 982 |
| 1955 | 979 | 982 | 986 | 992 | 996 | 999 | 993 | 986 | 982 | 969 | 955 | 947 |
| 1956 | 947 | 950 | 983 | 911 | 1025 | 1034 | 1025 | 1042 | 1053 | 1047 | 1035 | 1028 |
| 1957 | 1026 | 1028 | 1030 | 1033 | 1037 | 1044 | 1032 | 1029 | 1028 | 1015 | 1002 | 994 |
| 1958 | 989 | 992 | 994 | 1001 | 1009 | 1024 | 1031 | 1061 | 1075 | 1069 | 1059 | 1052 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 979 | 981 | 984 | 987 | 994 | 999 | 996 | 991 | 980 | 966 | 953 | 943 |
| 1961 | 939 | 943 | 946 | 949 | 951 | 955 | 950 | 943 | 931 | 919 | 900 | 890 |
| 1962 | 889 | 892 | 896 | 899 | 916 | 924 | 926 | 934 | 937 | 927 | 910 | 896 |
| 1963 | 896 | 901 | 908 | 921 | 939 | 946 | 947 | 976 | 983 | 975 | 962 | 956 |
| 1964 | 956 | 961 | 965 | 972 | 975 | 979 | 972 | 964 | 956 | 942 | 929 | 920 |
| 1965 | 919 | 924 | 955 | 982 | 996 | 1004 | 1012 | 1013 | 1018 | 1010 | 999 | 992 |
| 1966 | 951 | 956 | 1001 | 1006 | 1011 | 1016 | 1006 | 1004 | 993 | 980 | 966 | 957 |
| 1967 | 966 | 959 | 972 | 986 | 996 | 1007 | 1009 | 1032 | 1060 | 1064 | 1054 | 1048 |
| 1968 | 1046 | 1048 | 1050 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 994 | 984 |
| 1969 | 982 | 987 | 990 | 1020 | 1041 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1039 | 1025 | 1012 | 1005 |
| 1971 | 1003 | 1007 | 1015 | 1022 | 1029 | 1035 | 1026 | 1021 | 1021 | 1010 | 997 | 990 |
| 1972 | 986 | 990 | 997 | 1002 | 1003 | 1007 | 992 | 992 | 981 | 968 | 954 | 947 |
| 1973 | 947 | 950 | 955 | 971 | 990 | 1003 | 1004 | 1022 | 1026 | 1016 | 1005 | 1000 |
| 1974 | 1001 | 1007 | 1016 | 1029 | 1039 | 1053 | 1057 | 1067 | 1067 | 1058 | 1047 | 1039 |
| 1975 | 1038 | 1040 | 1043 | 1047 | 1050 | 1055 | 1050 | 1049 | 1061 | 1053 | 1042 | 1034 |
| 1976 | 1033 | 1036 | 1039 | 1040 | 1043 | 1045 | 1040 | 1031 | 1019 | 1010 | 1000 | 994 |
| 1977 | 994 | 996 | 997 | 997 | 997 | 997 | 988 | 977 | 968 | 956 | 943 | 938 |
| 1978 | 936 | 936 | 940 | 951 | 963 | 983 | 993 | 1010 | 1021 | 1019 | 1010 | 1007 |
| 1979 | 1007 | 1009 | 1013 | 1021 | 1034 | 1047 | 1048 | 1057 | 1052 | 1038 | 1025 | 1018 |
| 1980 | 1019 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 982 | 991 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1012 | 1006 |
| 1985 | 1005 | 1010 | 1015 | 1018 | 1023 | 1029 | 1026 | 1020 | 1010 | 1000 | 990 | 984 |
| 1986 | 984 | 987 | 991 | 1001 | 1049 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1044 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 998 | 998 | 999 | 1000 | 1002 | 1004 | 998 | 988 | 978 | 968 | 959 | 953 |
| 1989 | 952 | 952 | 953 | 954 | 956 | 968 | 964 | 960 | 952 | 940 | 929 | 924 |
| 1990 | 927 | 930 | 934 | 937 | 940 | 945 | 937 | 926 | 911 | 891 | 875 | 866 |
| 1991 | 865 | 867 | 871 | 871 | 871 | 880 | 874 | 869 | 854 | 835 | 817 | 810 |
| 1992 | 811 | 813 | 819 | 822 | 833 | 842 | 834 | 818 | 793 | 762 | 727 | 715 |
| 1993 | 723 | 737 | 755 | 789 | 887 | 941 | 929 | 934 | 945 | 935 | 925 | 921 |
| 1994 | 920 | 921 | 925 | 925 | 927 | 932 | 929 | 925 | 913 | 894 | 876 | 869 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 115 | 98 | 76 | 84 | 97 |
| 80 | 81 | 84 | 80 | 80 | 89 | 103 |
| 100 | 100 | 109 | 121 | 134 | 146 | 158 |
| 135 | 123 | 122 | 106 | 102 | 111 | 124 |
| 116 | 113 | 113 | 123 | 136 | 151 | 165 |
| 135 | 124 | 115 | 104 | 102 | 112 | 125 |
| 108 | 87 | 89 | 87 | 95 | 109 | 124 |
| 120 | 119 | 124 | 127 | 138 | 150 | 163 |
| 155 | 147 | 147 | 152 | 157 | 171 | 192 |
| 187 | 184 | 192 | 205 | 223 | 241 | 260 |
| 224 | 214 | 213 | 177 | 158 | 166 | 183 |
| 177 | 175 | 182 | 186 | 190 | 210 | 232 |
| 218 | 209 | 217 | 231 | 251 | 270 | 297 |
| 284 | 272 | 254 | 211 | 191 | 206 | 225 |
| 174 | 161 | 148 | 125 | 118 | 128 | 141 |
| 125 | 111 | 109 | 85 | 81 | 90 | 101 |
| 66 | 44 | 36 | 9 | 0 | 4 | 13 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 |
| 70 | 53 | 44 | 33 | 42 | 55 | 67 |
| 51 | 41 | 45 | 30 | 24 | 30 | 40 |
| 38 | 33 | 33 | 21 | 7 | 10 | 21 |
| 38 | 33 | 27 | 20 | 21 | 29 | 40 |
| 42 | 38 | 43 | 47 | 53 | 66 | 80 |
| 62 | 53 | 53 | 40 | 34 | 42 | 55 |
| 38 | 34 | 36 | 27 | 31 | 42 | 54 |
| 51 | 48 | 60 | 69 | 78 | 89 | 100 |
| 101 | 98 | 99 | 97 | 89 | 98 | 110 |
| 106 | 100 | 107 | 103 | 109 | 122 | 134 |
| 122 | 114 | 114 | 102 | 97 | 108 | 121 |
| 38 | 33 | 40 | 47 | 55 | 68 | 81 |
| 55 | 42 | 40 | 11 | 0 | 2 | 12 |
| 38 | 34 | 42 | 52 | 51 | 60 | 72 |
| 73 | 65 | 63 | 60 | 69 | 83 | 96 |
| 92 | 89 | 95 | 102 | 106 | 119 | 133 |
| 63 | 54 | 63 | 46 | 35 | 41 | 53 |
| 51 | 44 | 56 | 59 | 60 | 73 | 86 |
| 79 | 64 | 57 | 27 | 13 | 19 | 29 |
| 38 | 35 | 42 | 58 | 70 | 83 | 96 |
| 94 | 89 | 92 | 97 | 108 | 122 | 135 |
| 137 | 133 | 138 | 145 | 157 | 169 | 188 |
| 172 | 164 | 162 | 154 | 151 | 161 | 178 |
| 149 | 142 | 141 | 112 | 105 | 113 | 126 |
| 113 | 109 | 116 | 124 | 132 | 146 | 159 |
| 92 | 84 | 76 | 75 | 70 | 78 | 89 |
| 77 | 72 | 82 | 84 | 95 | 108 | 122 |
| 92 | 81 | 79 | 56 | 28 | 24 | 34 |
| 38 | 34 | 46 | 55 | 66 | 80 | 94 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 41 | 47 | 49 | 63 | 76 |
| 59 | 53 | 62 | 67 | 78 | 91 | 104 |
| 85 | 81 | 96 | 96 | 107 | 120 | 134 |
| 98 | 85 | 84 | 66 | 62 | 72 | 83 |
| 49 | 35 | 31 | 21 | 20 | 30 | 41 |
| 38 | 33 | 38 | 39 | 37 | 35 | 46 |
| 45 | 43 | 48 | 57 | 69 | 78 | 88 |
| 91 | 91 | 100 | 111 | 120 | 132 | 145 |
| 125 | 105 | 95 | 78 | 67 | 69 | 78 |
| 54 | 41 | 40 | 31 | 36 | 50 | 63 |
| 38 | 33 | 32 | 25 | 18 | 20 | 31 |
| 38 | 35 | 43 | 54 | 69 | 83 | 96 |
| 38 | 33 | 37 | 2 | 0 | 4 | 13 |
| 38 | 33 | | | | | |

STUDY: 501
CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 599 | 581 | 579 | 600 | 656 | 690 | 698 | 724 | 781 | 778 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 788 | 792 | 801 | 794 | 779 | 770 |
| 1924 | 764 | 761 | 756 | 755 | 756 | 754 | 748 | 743 | 734 | 722 | 708 | 700 |
| 1925 | 695 | 695 | 696 | 700 | 722 | 739 | 751 | 762 | 780 | 771 | 755 | 744 |
| 1926 | 737 | 734 | 730 | 729 | 738 | 742 | 756 | 768 | 765 | 750 | 734 | 725 |
| 1927 | 717 | 717 | 721 | 729 | 758 | 773 | 784 | 782 | 800 | 793 | 778 | 768 |
| 1928 | 762 | 762 | 762 | 766 | 774 | 792 | 801 | 818 | 818 | 803 | 788 | 779 |
| 1929 | 772 | 767 | 763 | 762 | 776 | 767 | 767 | 770 | 778 | 769 | 759 | 752 |
| 1930 | 747 | 744 | 741 | 742 | 748 | 755 | 756 | 759 | 772 | 763 | 754 | 747 |
| 1931 | 745 | 744 | 743 | 745 | 748 | 747 | 739 | 727 | 714 | 700 | 687 | 680 |
| 1932 | 676 | 671 | 683 | 699 | 736 | 751 | 752 | 756 | 773 | 768 | 752 | 741 |
| 1933 | 734 | 727 | 721 | 720 | 727 | 730 | 726 | 719 | 736 | 725 | 708 | 697 |
| 1934 | 688 | 687 | 684 | 687 | 698 | 707 | 706 | 698 | 694 | 676 | 658 | 648 |
| 1935 | 640 | 639 | 641 | 655 | 682 | 697 | 723 | 734 | 764 | 751 | 734 | 721 |
| 1936 | 713 | 711 | 705 | 711 | 753 | 770 | 779 | 796 | 814 | 804 | 789 | 778 |
| 1937 | 772 | 767 | 763 | 765 | 793 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 738 | 739 | 740 | 735 | 743 | 769 | 758 | 740 | 730 |
| 1949 | 723 | 717 | 712 | 711 | 717 | 729 | 735 | 744 | 752 | 734 | 714 | 702 |
| 1950 | 693 | 687 | 681 | 687 | 706 | 719 | 727 | 737 | 754 | 738 | 720 | 707 |
| 1951 | 700 | 749 | 797 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 762 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 776 | 768 | 774 | 781 | 784 | 780 | 784 | 791 | 778 | 766 | 759 |
| 1956 | 753 | 749 | 798 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 819 | 808 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 760 | 758 | 755 | 755 | 763 | 768 | 770 | 775 | 778 | 768 | 758 | 752 |
| 1961 | 748 | 746 | 746 | 747 | 750 | 749 | 742 | 733 | 726 | 713 | 700 | 694 |
| 1962 | 691 | 688 | 686 | 687 | 712 | 732 | 742 | 742 | 768 | 760 | 746 | 736 |
| 1963 | 729 | 724 | 720 | 725 | 751 | 762 | 770 | 781 | 806 | 802 | 788 | 778 |
| 1964 | 773 | 774 | 775 | 780 | 786 | 788 | 785 | 781 | 784 | 772 | 761 | 754 |
| 1965 | 750 | 750 | 783 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 744 | 755 | 770 | 788 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 798 | 795 | 783 | 772 | 766 |
| 1973 | 762 | 761 | 763 | 774 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 787 | 777 | 767 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 701 | 687 | 671 | 662 |
| 1978 | 658 | 654 | 657 | 683 | 716 | 748 | 761 | 776 | 813 | 821 | 808 | 802 |
| 1979 | 797 | 794 | 790 | 800 | 800 | 800 | 822 | 832 | 832 | 818 | 803 | 794 |
| 1980 | 769 | 768 | 767 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 798 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 802 | 812 | 0 | 0 | 12 | 24 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 750 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 708 | 722 | 733 | 747 | 754 | 743 | 732 | 727 |
| 1990 | 725 | 725 | 725 | 727 | 730 | 733 | 730 | 726 | 724 | 709 | 695 | 688 |
| 1991 | 684 | 680 | 676 | 675 | 675 | 684 | 683 | 698 | 709 | 699 | 689 | 683 |
| 1992 | 681 | 682 | 681 | 684 | 693 | 698 | 700 | 707 | 706 | 692 | 677 | 666 |
| 1993 | 660 | 654 | 654 | 689 | 721 | 750 | 758 | 772 | 803 | 802 | 788 | 778 |
| 1994 | 772 | 766 | 762 | 761 | 765 | 768 | 765 | 768 | 766 | 756 | 746 | 740 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 142 | 134 | 108 | 51 | 54 | 69 | 80 |
| 48 | 44 | 40 | 31 | 38 | 53 | 62 |
| 78 | 84 | 89 | 98 | 110 | 124 | 132 |
| 93 | 81 | 70 | 52 | 61 | 77 | 88 |
| 90 | 76 | 64 | 67 | 82 | 98 | 107 |
| 59 | 48 | 50 | 32 | 39 | 54 | 64 |
| 40 | 31 | 14 | 14 | 29 | 44 | 53 |
| 65 | 65 | 62 | 54 | 63 | 73 | 80 |
| 77 | 76 | 73 | 60 | 69 | 78 | 85 |
| 85 | 93 | 105 | 118 | 132 | 145 | 152 |
| 81 | 80 | 76 | 59 | 64 | 80 | 91 |
| 102 | 106 | 113 | 96 | 107 | 124 | 135 |
| 125 | 126 | 134 | 138 | 156 | 174 | 184 |
| 135 | 109 | 98 | 68 | 81 | 98 | 111 |
| 62 | 53 | 36 | 18 | 28 | 43 | 54 |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 |
| 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 |
| 32 | 32 | 20 | 0 | 1 | 15 | 24 |
| 32 | 30 | 25 | 0 | 1 | 14 | 24 |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 |
| 51 | 54 | 50 | 56 | 68 | 82 | 90 |
| 92 | 97 | 89 | 63 | 74 | 92 | 102 |
| 103 | 97 | 88 | 80 | 98 | 118 | 130 |
| 113 | 105 | 95 | 78 | 94 | 112 | 125 |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 18 | 22 | 36 | 45 |
| 35 | 30 | 13 | 12 | 27 | 43 | 52 |
| 48 | 52 | 48 | 41 | 54 | 66 | 73 |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 |
| 32 | 32 | 26 | 5 | 18 | 32 | 41 |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 |
| 32 | 30 | 32 | 38 | 50 | 62 | 69 |
| 64 | 62 | 57 | 54 | 64 | 74 | 80 |
| 83 | 90 | 99 | 106 | 119 | 132 | 138 |
| 100 | 90 | 90 | 64 | 72 | 86 | 96 |
| 70 | 62 | 51 | 26 | 30 | 44 | 54 |
| 44 | 47 | 51 | 48 | 60 | 71 | 78 |
| 32 | 30 | 25 | 5 | 16 | 25 | 35 |
| 32 | 31 | 34 | 41 | 56 | 71 | 80 |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 |
| 32 | 33 | 33 | 25 | 37 | 52 | 61 |
| 32 | 31 | 31 | 25 | 34 | 46 | 54 |
| 32 | 32 | 34 | 37 | 49 | 60 | 66 |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 |
| 33 | 38 | 45 | 55 | 65 | 75 | 81 |
| 95 | 104 | 117 | 131 | 145 | 161 | 170 |
| 84 | 71 | 56 | 19 | 11 | 24 | 30 |
| 32 | 30 | 10 | 0 | 14 | 29 | 38 |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 |
| 32 | 30 | 26 | 27 | 39 | 50 | 58 |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 |
| 32 | 35 | 29 | 18 | 31 | 46 | 56 |
| 32 | 31 | 33 | 37 | 48 | 60 | 66 |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 |
| 44 | 46 | 49 | 53 | 63 | 73 | 80 |
| 71 | 76 | 85 | 92 | 104 | 116 | 123 |
| 110 | 99 | 85 | 78 | 89 | 100 | 105 |
| 99 | 102 | 106 | 108 | 123 | 137 | 144 |
| 148 | 149 | 134 | 123 | 133 | 143 | 149 |
| 134 | 132 | 125 | 126 | 140 | 155 | |

STUDY: 501
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 867'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 711 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 810 | 797 | 779 | 766 | 756 |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 819 | 840 | 844 | 831 | 815 | 803 |
| 1926 | 802 | 801 | 802 | 804 | 808 | 812 | 831 | 827 | 826 | 822 | 814 | 806 |
| 1927 | 802 | 803 | 807 | 807 | 808 | 815 | 817 | 844 | 854 | 849 | 845 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 823 | 821 | 815 | 810 | 807 |
| 1929 | 805 | 804 | 804 | 803 | 805 | 807 | 808 | 811 | 811 | 813 | 816 | 809 |
| 1930 | 806 | 804 | 804 | 804 | 804 | 800 | 803 | 803 | 807 | 810 | 813 | 811 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 794 | 776 | 762 | 752 |
| 1932 | 750 | 751 | 770 | 782 | 808 | 817 | 826 | 847 | 864 | 854 | 839 | 829 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 |
| 1934 | 789 | 788 | 792 | 797 | 805 | 813 | 819 | 810 | 801 | 784 | 770 | 761 |
| 1935 | 757 | 761 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 855 | 861 | 849 | 834 | 823 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 777 | 778 | 779 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 |
| 1945 | 794 | 800 | 806 | 806 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 |
| 1948 | 789 | 790 | 791 | 793 | 794 | 794 | 798 | 820 | 837 | 823 | 804 | 795 |
| 1949 | 787 | 786 | 787 | 788 | 792 | 800 | 810 | 830 | 829 | 809 | 790 | 771 |
| 1950 | 769 | 769 | 769 | 777 | 789 | 793 | 808 | 826 | 827 | 807 | 788 | 772 |
| 1951 | 768 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 |
| 1955 | 766 | 765 | 768 | 774 | 779 | 781 | 781 | 803 | 812 | 797 | 780 | 770 |
| 1956 | 765 | 765 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 |
| 1958 | 786 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 |
| 1960 | 772 | 770 | 770 | 771 | 783 | 791 | 805 | 818 | 815 | 800 | 786 | 776 |
| 1961 | 773 | 773 | 775 | 775 | 778 | 779 | 784 | 785 | 776 | 758 | 742 | 730 |
| 1962 | 729 | 729 | 731 | 734 | 776 | 785 | 809 | 818 | 832 | 819 | 800 | 786 |
| 1963 | 781 | 781 | 782 | 791 | 808 | 810 | 819 | 841 | 854 | 845 | 830 | 818 |
| 1964 | 808 | 808 | 808 | 808 | 807 | 808 | 809 | 816 | 813 | 797 | 780 | 771 |
| 1965 | 765 | 769 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 828 | 838 | 826 | 804 | 784 | 771 |
| 1967 | 767 | 769 | 794 | 806 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 812 | 793 | 777 | 766 |
| 1969 | 762 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 821 | 802 | 789 |
| 1971 | 786 | 788 | 798 | 807 | 808 | 812 | 814 | 826 | 836 | 822 | 804 | 790 |
| 1972 | 787 | 787 | 794 | 799 | 805 | 816 | 818 | 831 | 831 | 816 | 801 | 795 |
| 1973 | 793 | 794 | 800 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 768 | 759 |
| 1977 | 758 | 756 | 754 | 754 | 754 | 749 | 740 | 727 | 716 | 686 | 656 | 632 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 792 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 814 | 801 |
| 1985 | 800 | 803 | 807 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 |
| 1986 | 797 | 799 | 806 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 782 | 773 |
| 1988 | 772 | 773 | 775 | 781 | 785 | 791 | 797 | 801 | 794 | 777 | 763 | 753 |
| 1989 | 751 | 750 | 753 | 753 | 759 | 775 | 796 | 805 | 802 | 786 | 772 | 763 |
| 1990 | 765 | 766 | 766 | 769 | 772 | 779 | 789 | 786 | 777 | 761 | 744 | 732 |
| 1991 | 730 | 729 | 728 | 728 | 727 | 748 | 755 | 774 | 789 | 775 | 762 | 751 |
| 1992 | 750 | 751 | 752 | 754 | 768 | 774 | 791 | 793 | 781 | 768 | 753 | 741 |
| 1993 | 740 | 741 | 747 | 792 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 820 | 812 | 796 | 783 | 773 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir
 Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 |
| 60 | 58 | 57 | 70 | 88 | 101 | 111 | 1 |
| 66 | 48 | 27 | 23 | 36 | 52 | 64 | 1 |
| 55 | 36 | 40 | 41 | 45 | 53 | 61 | 1 |
| 52 | 50 | 23 | 13 | 18 | 22 | 27 | 1 |
| 58 | 59 | 44 | 46 | 52 | 57 | 60 | 1 |
| 60 | 59 | 56 | 56 | 54 | 51 | 58 | 1 |
| 67 | 64 | 64 | 60 | 57 | 54 | 56 | 1 |
| 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 |
| 50 | 41 | 20 | 3 | 13 | 28 | 38 | 1 |
| 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 |
| 54 | 48 | 57 | 66 | 83 | 97 | 106 | 1 |
| 61 | 27 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 12 | 6 | 18 | 33 | 44 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 10 | 27 | 37 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 |
| 73 | 69 | 47 | 30 | 44 | 63 | 76 | 1 |
| 67 | 57 | 37 | 38 | 58 | 77 | 92 | 1 |
| 74 | 59 | 41 | 40 | 60 | 79 | 95 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 |
| 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 |
| 86 | 86 | 64 | 55 | 70 | 87 | 97 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | 1 |
| 76 | 62 | 49 | 52 | 67 | 81 | 91 | 1 |
| 88 | 83 | 82 | 91 | 109 | 125 | 137 | 1 |
| 82 | 58 | 49 | 35 | 48 | 67 | 81 | 1 |
| 57 | 48 | 26 | 13 | 22 | 37 | 49 | 1 |
| 59 | 58 | 51 | 54 | 70 | 87 | 96 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 53 | 39 | 29 | 41 | 63 | 83 | 96 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 50 | 46 | 55 | 74 | 90 | 101 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 46 | 30 | 30 | 46 | 65 | 78 | 1 |
| 55 | 53 | 41 | 31 | 45 | 63 | 77 | 1 |
| 51 | 49 | 36 | 36 | 51 | 66 | 72 | 1 |
| 47 | 39 | 8 | 0 | 15 | 29 | 39 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 99 | 108 | 1 |
| 118 | 127 | 140 | 151 | 181 | 211 | 235 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 4 | 18 | 33 | 44 | 1 |
| 47 | 32 | 8 | 0 | 0 | 10 | 27 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | 1 |

STUDY: 501
CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 461 | 471 | 486 | 500 | 506 | 490 | 512 | 530 | 520 | 497 | 480 | 472 |
| 1926 | 474 | 487 | 503 | 517 | 520 | 506 | 548 | 562 | 533 | 492 | 471 | 482 |
| 1927 | 488 | 503 | 525 | 543 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 484 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 476 | 494 | 506 | 517 | 514 | 509 | 524 | 534 | 517 | 488 | 465 | 462 |
| 1931 | 486 | 501 | 512 | 522 | 514 | 508 | 510 | 515 | 506 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 469 | 479 | 499 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 494 | 503 | 517 | 549 | 550 | 551 | 548 | 561 | 553 | 512 | 465 | 470 |
| 1941 | 481 | 493 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 487 | 503 | 517 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 473 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 564 | 520 | 503 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 479 | 495 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 559 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 507 | 534 | 553 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 106 |
| 59 | 35 | 27 | 36 | 50 | 113 | 806 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 |
| 86 | 64 | 46 | 56 | 79 | 96 | 104 |
| 70 | 28 | 14 | 43 | 84 | 105 | 94 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 |
| 67 | 52 | 42 | 59 | 88 | 111 | 94 |
| 68 | 66 | 61 | 68 | 94 | 110 | 110 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 |
| 25 | 28 | 15 | 23 | 64 | 111 | 106 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 |
| 52 | 42 | 25 | 37 | 100 | 94 | 91 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 |
| 92 | 109 | 109 | 93 | 12 | 4 | 0 |
| 8 | 6 | 6 | 19 | 46 | 89 | 93 |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 |
| 24 | 2 | 11 | 0 | 18 | 73 | 97 |
| 65 | 46 | 25 | 37 | 73 | 103 | 96 |
| 49 | 37 | 29 | 49 | 78 | 93 | 90 |
| 60 | 39 | 24 | 36 | 74 | 98 | 92 |
| 59 | 44 | 32 | 51 | 68 | 97 | 93 |
| 87 | 75 | 68 | 64 | 70 | 96 | 90 |
| 86 | 83 | 82 | 96 | 106 | 111 | 110 |
| 20 | 18 | 0 | 0 | 5 | | |

STUDY: **501**
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 419 | 442 | 477 | 521 | 540 | 544 | 543 | 539 | 524 | 475 | 439 | 446 |
| 1923 | 476 | 503 | 514 | 528 | 530 | 535 | 531 | 507 | 468 | 444 | 420 | 406 |
| 1924 | 425 | 433 | 461 | 505 | 525 | 525 | 516 | 493 | 462 | 422 | 384 | 380 |
| 1925 | 381 | 392 | 438 | 469 | 517 | 528 | 521 | 494 | 451 | 421 | 352 | 336 |
| 1926 | 355 | 386 | 402 | 459 | 504 | 516 | 512 | 491 | 458 | 452 | 388 | 384 |
| 1927 | 393 | 434 | 473 | 520 | 544 | 544 | 539 | 526 | 493 | 469 | 427 | 430 |
| 1928 | 462 | 492 | 508 | 522 | 534 | 544 | 537 | 515 | 465 | 441 | 421 | 409 |
| 1929 | 435 | 459 | 484 | 530 | 544 | 544 | 536 | 522 | 499 | 467 | 435 | 432 |
| 1930 | 432 | 437 | 482 | 531 | 542 | 544 | 526 | 496 | 466 | 458 | 441 | 419 |
| 1931 | 424 | 426 | 429 | 470 | 484 | 484 | 476 | 465 | 450 | 425 | 377 | 377 |
| 1932 | 390 | 389 | 451 | 508 | 537 | 529 | 521 | 502 | 482 | 474 | 444 | 429 |
| 1933 | 443 | 450 | 453 | 498 | 520 | 528 | 525 | 510 | 481 | 444 | 400 | 399 |
| 1934 | 413 | 410 | 456 | 508 | 519 | 519 | 506 | 484 | 459 | 440 | 407 | 395 |
| 1935 | 393 | 413 | 432 | 492 | 498 | 530 | 533 | 506 | 467 | 435 | 370 | 358 |
| 1936 | 396 | 414 | 425 | 480 | 524 | 544 | 543 | 525 | 489 | 465 | 432 | 417 |
| 1937 | 440 | 453 | 476 | 523 | 544 | 544 | 544 | 540 | 511 | 472 | 432 | 415 |
| 1938 | 445 | 478 | 513 | 531 | 544 | 544 | 544 | 544 | 537 | 504 | 471 | 486 |
| 1939 | 513 | 522 | 526 | 539 | 544 | 544 | 526 | 494 | 462 | 450 | 439 | 419 |
| 1940 | 424 | 421 | 415 | 480 | 519 | 536 | 533 | 509 | 467 | 438 | 365 | 358 |
| 1941 | 394 | 426 | 462 | 513 | 537 | 544 | 543 | 540 | 525 | 476 | 441 | 459 |
| 1942 | 491 | 505 | 513 | 528 | 540 | 544 | 540 | 532 | 524 | 478 | 443 | 459 |
| 1943 | 490 | 504 | 514 | 528 | 538 | 544 | 544 | 544 | 516 | 473 | 432 | 435 |
| 1944 | 466 | 496 | 514 | 528 | 541 | 544 | 525 | 493 | 458 | 441 | 429 | 413 |
| 1945 | 418 | 455 | 489 | 522 | 538 | 544 | 532 | 503 | 462 | 437 | 408 | 396 |
| 1946 | 433 | 465 | 491 | 517 | 528 | 533 | 519 | 491 | 446 | 420 | 410 | 397 |
| 1947 | 427 | 459 | 490 | 521 | 535 | 543 | 527 | 492 | 457 | 440 | 425 | 408 |
| 1948 | 411 | 419 | 419 | 471 | 488 | 510 | 510 | 490 | 455 | 426 | 373 | 378 |
| 1949 | 406 | 433 | 462 | 507 | 527 | 544 | 526 | 496 | 453 | 430 | 407 | 395 |
| 1950 | 422 | 434 | 441 | 493 | 531 | 539 | 528 | 501 | 468 | 449 | 416 | 407 |
| 1951 | 430 | 462 | 498 | 526 | 536 | 544 | 530 | 508 | 463 | 433 | 406 | 406 |
| 1952 | 430 | 459 | 487 | 522 | 535 | 544 | 544 | 544 | 536 | 510 | 492 | 499 |
| 1953 | 506 | 515 | 519 | 533 | 543 | 544 | 529 | 514 | 492 | 470 | 438 | 454 |
| 1954 | 485 | 502 | 514 | 528 | 538 | 544 | 535 | 515 | 464 | 436 | 410 | 405 |
| 1955 | 432 | 461 | 489 | 519 | 531 | 538 | 520 | 493 | 464 | 458 | 431 | 418 |
| 1956 | 442 | 454 | 495 | 539 | 542 | 544 | 538 | 528 | 507 | 476 | 437 | 447 |
| 1957 | 473 | 498 | 506 | 522 | 534 | 544 | 533 | 509 | 473 | 452 | 432 | 421 |
| 1958 | 452 | 481 | 504 | 522 | 534 | 544 | 544 | 544 | 536 | 500 | 481 | 495 |
| 1959 | 502 | 511 | 515 | 528 | 540 | 544 | 522 | 489 | 451 | 433 | 419 | 419 |
| 1960 | 443 | 455 | 462 | 508 | 543 | 544 | 525 | 491 | 456 | 434 | 375 | 358 |
| 1961 | 385 | 418 | 455 | 501 | 534 | 544 | 523 | 487 | 456 | 444 | 435 | 409 |
| 1962 | 424 | 438 | 473 | 506 | 543 | 544 | 524 | 489 | 434 | 397 | 327 | 335 |
| 1963 | 375 | 407 | 437 | 482 | 518 | 534 | 533 | 524 | 500 | 469 | 433 | 448 |
| 1964 | 477 | 505 | 517 | 532 | 542 | 544 | 518 | 482 | 437 | 412 | 390 | 395 |
| 1965 | 401 | 430 | 465 | 516 | 530 | 544 | 544 | 540 | 499 | 472 | 432 | 439 |
| 1966 | 468 | 497 | 514 | 528 | 538 | 544 | 525 | 493 | 442 | 415 | 397 | 392 |
| 1967 | 419 | 452 | 487 | 524 | 537 | 542 | 544 | 544 | 537 | 525 | 505 | 509 |
| 1968 | 516 | 526 | 531 | 544 | 544 | 544 | 529 | 495 | 456 | 437 | 422 | 417 |
| 1969 | 446 | 474 | 506 | 533 | 544 | 544 | 544 | 544 | 537 | 517 | 488 | 503 |
| 1970 | 517 | 526 | 530 | 544 | 544 | 544 | 534 | 512 | 471 | 450 | 431 | 426 |
| 1971 | 451 | 482 | 512 | 531 | 536 | 544 | 531 | 513 | 483 | 457 | 434 | 445 |
| 1972 | 472 | 498 | 512 | 526 | 538 | 544 | 526 | 493 | 454 | 435 | 421 | 406 |
| 1973 | 431 | 463 | 494 | 523 | 534 | 544 | 536 | 514 | 481 | 456 | 422 | 420 |
| 1974 | 452 | 480 | 501 | 522 | 533 | 544 | 542 | 530 | 502 | 473 | 448 | 460 |
| 1975 | 483 | 499 | 508 | 522 | 534 | 538 | 533 | 518 | 492 | 457 | 429 | 439 |
| 1976 | 466 | 483 | 500 | 514 | 528 | 539 | 521 | 494 | 475 | 468 | 448 | 430 |
| 1977 | 431 | 438 | 440 | 456 | 456 | 456 | 459 | 447 | 428 | 405 | 397 | 412 |
| 1978 | 417 | 434 | 483 | 534 | 544 | 544 | 544 | 544 | 526 | 472 | 432 | 447 |
| 1979 | 478 | 502 | 514 | 528 | 541 | 544 | 536 | 515 | 481 | 459 | 408 | 402 |
| 1980 | 437 | 471 | 495 | 522 | 537 | 544 | 544 | 544 | 527 | 492 | 453 | 470 |
| 1981 | 501 | 520 | 527 | 541 | 544 | 544 | 530 | 496 | 457 | 439 | 424 | 411 |
| 1982 | 395 | 468 | 501 | 531 | 544 | 544 | 544 | 544 | 531 | 494 | 462 | 471 |
| 1983 | 496 | 515 | 521 | 535 | 544 | 544 | 544 | 544 | 537 | 527 | 514 | 521 |
| 1984 | 536 | 544 | 544 | 544 | 544 | 544 | 535 | 512 | 475 | 452 | 418 | 413 |
| 1985 | 449 | 480 | 500 | 522 | 534 | 540 | 519 | 484 | 438 | 414 | 393 | 396 |
| 1986 | 401 | 406 | 442 | 495 | 530 | 544 | 544 | 544 | 532 | 489 | 457 | 465 |
| 1987 | 494 | 505 | 531 | 544 | 544 | 544 | 523 | 488 | 459 | 448 | 438 | 415 |
| 1988 | 423 | 420 | 457 | 507 | 518 | 518 | 506 | 492 | 479 | 461 | 426 | 423 |
| 1989 | 423 | 438 | 459 | 496 | 496 | 528 | 518 | 488 | 453 | 443 | 386 | 395 |
| 1990 | 411 | 427 | 458 | 500 | 520 | 525 | 509 | 480 | 462 | 457 | 400 | 384 |
| 1991 | 384 | 390 | 390 | 405 | 405 | 469 | 470 | 460 | 442 | 425 | 410 | 411 |
| 1992 | 415 | 428 | 443 | 488 | 517 | 540 | 531 | 514 | 495 | 461 | 418 | 410 |
| 1993 | 410 | 417 | 464 | 519 | 529 | 543 | 538 | 532 | 517 | 471 | 416 | 421 |
| 1994 | 455 | 485 | 500 | 521 | 534 | 542 | 520 | 486 | 458 | 450 | 444 | 430 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 5 | 20 | 69 | 105 | 98 |
| 9 | 13 | 37 | 76 | 100 | 124 | 138 |
| 19 | 28 | 51 | 82 | 122 | 160 | 164 |
| 16 | 23 | 50 | 93 | 123 | 192 | 208 |
| 28 | 32 | 53 | 86 | 92 | 156 | 160 |
| 0 | 5 | 18 | 51 | 75 | 117 | 114 |
| 0 | 7 | 29 | 79 | 103 | 123 | 135 |
| 0 | 8 | 22 | 45 | 77 | 109 | 112 |
| 0 | 18 | 48 | 78 | 86 | 103 | 125 |
| 60 | 68 | 79 | 94 | 119 | 167 | 167 |
| 15 | 23 | 42 | 62 | 70 | 100 | 115 |
| 16 | 19 | 34 | 63 | 100 | 144 | 145 |
| 25 | 38 | 60 | 85 | 104 | 137 | 149 |
| 14 | 11 | 38 | 77 | 109 | 174 | 186 |
| 0 | 1 | 19 | 55 | 79 | 112 | 127 |
| 0 | 0 | 4 | 33 | 72 | 112 | 129 |
| 0 | 0 | 0 | 7 | 40 | 73 | 58 |
| 0 | 18 | 50 | 82 | 94 | 105 | 125 |
| 8 | 11 | 35 | 77 | 106 | 179 | 186 |
| 0 | 1 | 4 | 19 | 68 | 103 | 85 |
| 0 | 4 | 12 | 20 | 66 | 101 | 85 |
| 0 | 0 | 0 | 28 | 71 | 112 | 109 |
| 0 | 19 | 51 | 86 | 103 | 115 | 131 |
| 0 | 12 | 41 | 82 | 107 | 136 | 148 |
| 11 | 25 | 53 | 98 | 124 | 134 | 147 |
| 1 | 17 | 52 | 87 | 104 | 119 | 136 |
| 34 | 34 | 54 | 89 | 118 | 171 | 166 |
| 0 | 18 | 48 | 91 | 114 | 137 | 149 |
| 5 | 16 | 43 | 76 | 95 | 128 | 137 |
| 0 | 14 | 36 | 81 | 111 | 138 | 138 |
| 0 | 0 | 0 | 8 | 34 | 52 | 45 |
| 0 | 15 | 30 | 52 | 74 | 106 | 90 |
| 0 | 9 | 29 | 80 | 108 | 134 | 139 |
| 6 | 24 | 51 | 80 | 86 | 113 | 126 |
| 0 | 6 | 16 | 37 | 68 | 107 | 97 |
| 0 | 1 | 35 | 71 | 92 | 112 | 123 |
| 0 | 0 | 0 | 8 | 44 | 63 | 49 |
| 0 | 22 | 55 | 93 | 111 | 125 | 126 |
| 0 | 19 | 53 | 88 | 110 | 169 | 186 |
| 0 | 21 | 57 | 88 | 100 | 109 | 135 |
| 0 | 20 | 55 | 110 | 147 | 217 | 209 |
| 10 | 11 | 20 | 44 | 75 | 111 | 96 |
| 0 | 26 | 62 | 107 | 132 | 154 | 149 |
| 0 | 0 | 14 | 45 | 72 | 112 | 105 |
| 0 | 19 | 51 | 102 | 129 | 147 | 152 |
| 2 | 0 | 0 | 7 | 19 | 39 | 35 |
| 0 | 15 | 49 | 88 | 107 | 122 | 127 |
| 0 | 0 | 0 | 7 | 27 | 56 | 41 |
| 0 | 10 | 32 | 73 | 94 | 113 | 118 |
| 0 | 13 | 31 | 61 | 87 | 110 | 99 |
| 0 | 18 | 51 | 90 | 109 | 123 | 138 |
| 0 | 8 | 30 | 63 | 88 | 122 | 124 |
| 0 | 2 | 14 | 42 | 71 | 96 | 84 |
| 6 | 11 | 26 | 52 | 87 | 115 | 105 |
| 5 | 23 | 50 | 69 | 76 | 96 | 114 |
| 88 | 85 | 97 | 116 | 139 | 147 | 132 |
| 0 | 0 | 0 | 18 | 72 | 112 | 97 |
| 0 | 8 | 29 | 63 | 85 | 136 | 142 |
| 0 | 0 | 0 | 17 | 52 | 91 | 74 |
| 0 | 14 | 48 | 87 | 105 | 120 | 133 |
| 0 | 0 | 0 | 13 | 50 | 82 | 73 |
| 0 | 0 | 0 | 7 | 17 | 30 | 23 |
| 0 | 9 | 32 | 69 | 92 | 126 | 131 |
| 4 | 25 | 60 | 106 | 130 | 151 | 148 |
| 0 | 0 | 0 | 12 | 55 | 87 | 79 |
| 0 | 21 | 56 | 85 | 96 | 106 | 129 |
| 26 | 38 | 52 | 65 | 83 | 118 | 121 |
| 16 | 26 | 56 | 82 | 101 | 158 | 149 |
| 19 | 35 | 64 | 91 | 87 | 144 | 160 |
| 75 | 74 | 84 | 102 | 119 | 134 | 133 |
| 4 | 13 | 30 | 49 | | | |

STUDY: 501a
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 1067'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 989 | 993 | 999 | 1003 | 1019 | 1038 | 1060 | 1067 | 1062 | 1046 | 1026 | 1020 |
| 1923 | 1018 | 1017 | 1019 | 1023 | 1024 | 1026 | 1038 | 1033 | 1019 | 999 | 982 | 981 |
| 1924 | 981 | 981 | 980 | 979 | 986 | 986 | 974 | 960 | 942 | 912 | 882 | 875 |
| 1925 | 879 | 895 | 905 | 915 | 991 | 998 | 1030 | 1042 | 1032 | 1007 | 991 | 989 |
| 1926 | 989 | 988 | 985 | 984 | 1013 | 1021 | 1037 | 1032 | 1008 | 986 | 966 | 958 |
| 1927 | 957 | 986 | 1008 | 1033 | 1026 | 1052 | 1067 | 1067 | 1058 | 1041 | 1019 | 1014 |
| 1928 | 1011 | 1017 | 1020 | 1028 | 1044 | 1046 | 1066 | 1062 | 1047 | 1021 | 999 | 992 |
| 1929 | 988 | 988 | 989 | 990 | 997 | 1004 | 1005 | 998 | 989 | 973 | 955 | 947 |
| 1930 | 945 | 944 | 975 | 986 | 1003 | 1025 | 1036 | 1037 | 1017 | 998 | 985 | 983 |
| 1931 | 981 | 979 | 977 | 979 | 983 | 990 | 982 | 972 | 960 | 936 | 921 | 908 |
| 1932 | 903 | 902 | 918 | 929 | 939 | 964 | 967 | 975 | 968 | 954 | 940 | 932 |
| 1933 | 930 | 927 | 927 | 930 | 933 | 958 | 978 | 984 | 979 | 958 | 944 | 938 |
| 1934 | 937 | 936 | 945 | 962 | 982 | 994 | 994 | 989 | 981 | 946 | 921 | 906 |
| 1935 | 900 | 911 | 916 | 939 | 958 | 982 | 1027 | 1034 | 1027 | 1004 | 990 | 986 |
| 1936 | 983 | 980 | 979 | 1005 | 1032 | 1044 | 1054 | 1052 | 1044 | 1021 | 998 | 993 |
| 1937 | 988 | 985 | 980 | 976 | 978 | 1006 | 1035 | 1044 | 1040 | 1017 | 997 | 990 |
| 1938 | 987 | 1009 | 1020 | 1035 | 1030 | 1024 | 1049 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1939 | 1023 | 1017 | 1020 | 1022 | 1024 | 1039 | 1032 | 1025 | 999 | 976 | 947 | 944 |
| 1940 | 940 | 934 | 944 | 992 | 1017 | 1025 | 1059 | 1064 | 1055 | 1033 | 1014 | 1013 |
| 1941 | 1012 | 1012 | 1019 | 1020 | 1024 | 1045 | 1064 | 1067 | 1067 | 1058 | 1044 | 1036 |
| 1942 | 1023 | 1017 | 1020 | 1023 | 1028 | 1042 | 1067 | 1067 | 1067 | 1058 | 1042 | 1036 |
| 1943 | 1023 | 1017 | 1022 | 1030 | 1042 | 1051 | 1067 | 1067 | 1059 | 1044 | 1027 | 1022 |
| 1944 | 1020 | 1017 | 1015 | 1014 | 1023 | 1033 | 1038 | 1038 | 1017 | 994 | 972 | 965 |
| 1945 | 967 | 979 | 995 | 1002 | 1037 | 1050 | 1063 | 1067 | 1062 | 1040 | 1020 | 1012 |
| 1946 | 1011 | 1017 | 1018 | 1033 | 1039 | 1051 | 1063 | 1065 | 1053 | 1035 | 1019 | 1012 |
| 1947 | 1008 | 1009 | 1009 | 1006 | 1013 | 1032 | 1040 | 1029 | 1013 | 991 | 970 | 957 |
| 1948 | 964 | 968 | 971 | 999 | 998 | 1010 | 1051 | 1067 | 1066 | 1049 | 1030 | 1029 |
| 1949 | 1023 | 1017 | 1016 | 1012 | 1016 | 1050 | 1063 | 1064 | 1047 | 1024 | 1003 | 996 |
| 1950 | 991 | 990 | 987 | 996 | 1012 | 1030 | 1046 | 1045 | 1032 | 1009 | 991 | 989 |
| 1951 | 1002 | 1017 | 1020 | 1033 | 1040 | 1057 | 1064 | 1067 | 1051 | 1029 | 1011 | 1008 |
| 1952 | 1006 | 1011 | 1019 | 1032 | 1038 | 1048 | 1058 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1953 | 1023 | 1017 | 1021 | 1022 | 1033 | 1051 | 1065 | 1067 | 1067 | 1058 | 1041 | 1036 |
| 1954 | 1023 | 1017 | 1021 | 1030 | 1035 | 1051 | 1067 | 1064 | 1060 | 1042 | 1030 | 1025 |
| 1955 | 1022 | 1017 | 1022 | 1024 | 1027 | 1025 | 1038 | 1046 | 1026 | 1002 | 983 | 983 |
| 1956 | 982 | 987 | 1017 | 1017 | 1019 | 1048 | 1067 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1957 | 1023 | 1017 | 1016 | 1017 | 1035 | 1052 | 1059 | 1067 | 1060 | 1042 | 1028 | 1027 |
| 1958 | 1023 | 1017 | 1021 | 1029 | 1067 | 1024 | 1053 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1959 | 1023 | 1017 | 1017 | 1034 | 1039 | 1052 | 1057 | 1057 | 1037 | 1012 | 996 | 998 |
| 1960 | 991 | 988 | 986 | 992 | 1020 | 1047 | 1055 | 1063 | 1044 | 1021 | 1001 | 1000 |
| 1961 | 996 | 999 | 1016 | 1022 | 1044 | 1057 | 1062 | 1067 | 1048 | 1024 | 1003 | 1003 |
| 1962 | 996 | 997 | 1008 | 1009 | 1035 | 1052 | 1065 | 1067 | 1053 | 1032 | 1010 | 1007 |
| 1963 | 1023 | 1017 | 1021 | 1025 | 1045 | 1055 | 1052 | 1067 | 1062 | 1050 | 1038 | 1036 |
| 1964 | 1023 | 1017 | 1018 | 1033 | 1037 | 1041 | 1036 | 1031 | 1014 | 992 | 972 | 968 |
| 1965 | 967 | 977 | 1017 | 1022 | 1040 | 1049 | 1065 | 1066 | 1057 | 1041 | 1028 | 1026 |
| 1966 | 1023 | 1017 | 1021 | 1037 | 1049 | 1055 | 1064 | 1063 | 1045 | 1025 | 1008 | 1002 |
| 1967 | 994 | 1008 | 1021 | 1030 | 1044 | 1048 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1968 | 1023 | 1017 | 1019 | 1025 | 1034 | 1054 | 1057 | 1059 | 1042 | 1021 | 1013 | 1008 |
| 1969 | 1004 | 1005 | 1016 | 1022 | 1027 | 1048 | 1063 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1970 | 1023 | 1017 | 1020 | 1017 | 1025 | 1052 | 1056 | 1056 | 1044 | 1025 | 1011 | 1007 |
| 1971 | 1005 | 1017 | 1020 | 1028 | 1041 | 1043 | 1065 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1972 | 1023 | 1017 | 1022 | 1033 | 1045 | 1056 | 1067 | 1067 | 1049 | 1028 | 1014 | 1010 |
| 1973 | 1011 | 1017 | 1021 | 1030 | 1034 | 1053 | 1065 | 1067 | 1059 | 1041 | 1029 | 1026 |
| 1974 | 1023 | 1017 | 1018 | 1017 | 1036 | 1025 | 1058 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1975 | 1023 | 1017 | 1021 | 1024 | 1045 | 1039 | 1061 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1976 | 1023 | 1017 | 1018 | 1017 | 1012 | 1020 | 1027 | 1024 | 998 | 979 | 975 | 977 |
| 1977 | 980 | 981 | 981 | 981 | 971 | 971 | 953 | 947 | 926 | 907 | 890 | 887 |
| 1978 | 875 | 874 | 917 | 1020 | 1031 | 1047 | 1067 | 1067 | 1064 | 1053 | 1040 | 1036 |
| 1979 | 1023 | 1017 | 1013 | 1015 | 1026 | 1044 | 1052 | 1060 | 1045 | 1027 | 1009 | 1008 |
| 1980 | 1008 | 1011 | 1014 | 1029 | 1019 | 1046 | 1059 | 1064 | 1056 | 1045 | 1035 | 1035 |
| 1981 | 1023 | 1017 | 1020 | 1029 | 1042 | 1056 | 1064 | 1062 | 1041 | 1017 | 1000 | 996 |
| 1982 | 993 | 1017 | 1018 | 1033 | 1029 | 1046 | 1051 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1983 | 1023 | 1017 | 1020 | 1022 | 1017 | 1045 | 1050 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1984 | 1023 | 1017 | 1018 | 1034 | 1047 | 1056 | 1067 | 1067 | 1059 | 1042 | 1032 | 1031 |
| 1985 | 1023 | 1017 | 1022 | 1023 | 1027 | 1034 | 1042 | 1035 | 1010 | 990 | 973 | 971 |
| 1986 | 973 | 977 | 988 | 1013 | 1017 | 1029 | 1048 | 1050 | 1038 | 1022 | 1006 | 1009 |
| 1987 | 1009 | 1008 | 1008 | 1009 | 1019 | 1048 | 1046 | 1040 | 1008 | 984 | 950 | 947 |
| 1988 | 943 | 945 | 977 | 999 | 1001 | 1004 | 1011 | 1010 | 992 | 959 | 943 | 941 |
| 1989 | 941 | 954 | 961 | 968 | 975 | 1038 | 1058 | 1054 | 1038 | 1017 | 1006 | 1006 |
| 1990 | 1008 | 1006 | 1002 | 1008 | 1008 | 1015 | 1006 | 1012 | 998 | 971 | 955 | 952 |
| 1991 | 947 | 945 | 944 | 945 | 941 | 967 | 979 | 979 | 969 | 955 | 941 | 933 |
| 1992 | 932 | 930 | 931 | 936 | 975 | 998 | 1010 | 1002 | 988 | 971 | 958 | 952 |
| 1993 | 948 | 945 | 959 | 994 | 1026 | 1031 | 1059 | 1067 | 1067 | 1052 | 1041 | 1040 |
| 1994 | 1039 | 1017 | 1019 | 1020 | 1026 | 1030 | 1030 | 1029 | 1002 | 982 | 960 | 957 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 21 | 41 | 47 |
| 41 | 29 | 34 | 48 | 68 | 85 | 86 |
| 81 | 93 | 107 | 125 | 155 | 175 | 192 |
| 69 | 37 | 25 | 35 | 60 | 76 | 78 |
| 46 | 30 | 35 | 59 | 81 | 101 | 109 |
| 15 | 0 | 0 | 9 | 26 | 48 | 53 |
| 21 | 1 | 5 | 20 | 46 | 68 | 75 |
| 63 | 62 | 69 | 78 | 94 | 112 | 120 |
| 42 | 31 | 30 | 50 | 69 | 82 | 84 |
| 77 | 85 | 95 | 107 | 131 | 146 | 159 |
| 103 | 100 | 92 | 99 | 113 | 127 | 135 |
| 99 | 89 | 83 | 88 | 109 | 123 | 129 |
| 73 | 73 | 78 | 86 | 121 | 146 | 161 |
| 85 | 40 | 33 | 40 | 63 | 77 | 81 |
| 23 | 13 | 15 | 23 | 46 | 69 | 74 |
| 61 | 32 | 23 | 27 | 50 | 70 | 77 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 28 | 35 | 42 | 68 | 91 | 120 | 123 |
| 42 | 8 | 3 | 12 | 34 | 53 | 54 |
| 22 | 3 | 0 | 0 | 9 | 23 | 31 |
| 25 | 0 | 0 | 0 | 9 | 25 | 31 |
| 16 | 0 | 0 | 8 | 23 | 40 | 45 |
| 34 | 29 | 29 | 50 | 73 | 95 | 102 |
| 17 | 4 | 0 | 5 | 27 | 47 | 55 |
| 16 | 4 | 2 | 14 | 32 | 48 | 55 |
| 35 | 27 | 38 | 54 | 76 | 97 | 110 |
| 57 | 16 | 0 | 1 | 18 | 37 | 38 |
| 17 | 4 | 3 | 20 | 43 | 64 | 71 |
| 37 | 21 | 22 | 35 | 58 | 76 | 78 |
| 10 | 3 | 0 | 16 | 38 | 56 | 59 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 9 | 26 | 31 |
| 16 | 0 | 3 | 7 | 25 | 37 | 42 |
| 42 | 29 | 21 | 41 | 65 | 84 | 84 |
| 19 | 0 | 0 | 0 | 9 | 21 | 31 |
| 15 | 8 | 0 | 7 | 25 | 39 | 40 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 15 | 10 | 10 | 30 | 55 | 71 | 69 |
| 20 | 12 | 4 | 23 | 46 | 66 | 67 |
| 10 | 5 | 0 | 19 | 43 | 64 | 64 |
| 15 | 2 | 0 | 14 | 35 | 57 | 60 |
| 12 | 15 | 0 | 5 | 17 | 29 | 31 |
| 26 | 31 | 36 | 53 | 75 | 95 | 99 |
| 18 | 2 | 1 | 10 | 26 | 39 | 41 |
| 12 | 3 | 4 | 22 | 42 | 59 | 65 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 10 | 8 | 25 | 46 | 54 | 59 |
| 19 | 4 | 0 | 0 | 9 | 20 | 31 |
| 15 | 11 | 11 | 23 | 42 | 56 | 60 |
| 24 | 2 | 0 | 0 | 9 | 20 | 31 |
| 11 | 0 | 0 | 18 | 39 | 53 | 57 |
| 14 | 2 | 0 | 0 | 9 | 20 | 31 |
| 42 | 9 | 0 | 0 | 9 | 20 | 31 |
| 28 | 6 | 0 | 0 | 9 | 21 | 31 |
| 47 | 40 | 43 | 69 | 88 | 92 | 90 |
| 96 | 114 | 120 | 141 | 160 | 177 | 180 |
| 20 | 0 | 0 | 3 | 14 | 27 | 31 |
| 23 | 15 | 7 | 22 | 40 | 58 | 59 |
| 21 | 8 | 3 | 11 | 22 | 32 | 32 |
| 11 | 3 | 5 | 26 | 50 | 67 | 71 |
| 21 | 16 | 0 | 0 | 9 | 20 | 31 |
| 22 | 17 | 0 | 0 | 9 | | |

STUDY: 501a
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 900'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 873 | 870 | 870 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 871 | 894 | 900 | 881 | 842 | 803 | 806 |
| 1924 | 798 | 786 | 757 | 762 | 781 | 771 | 759 | 747 | 725 | 706 | 697 | 691 |
| 1925 | 692 | 696 | 703 | 719 | 827 | 785 | 813 | 822 | 805 | 778 | 767 | 766 |
| 1926 | 762 | 762 | 764 | 778 | 826 | 846 | 887 | 876 | 855 | 815 | 801 | 778 |
| 1927 | 774 | 806 | 806 | 831 | 849 | 863 | 890 | 900 | 900 | 862 | 848 | 845 |
| 1928 | 843 | 853 | 854 | 866 | 871 | 849 | 878 | 866 | 846 | 795 | 740 | 733 |
| 1929 | 720 | 715 | 713 | 718 | 732 | 749 | 755 | 757 | 751 | 733 | 724 | 717 |
| 1930 | 709 | 706 | 706 | 706 | 706 | 706 | 706 | 706 | 706 | 706 | 706 | 706 |
| 1931 | 771 | 763 | 755 | 768 | 780 | 797 | 785 | 771 | 748 | 727 | 717 | 710 |
| 1932 | 704 | 696 | 701 | 725 | 747 | 780 | 791 | 821 | 794 | 737 | 716 | 709 |
| 1933 | 700 | 688 | 687 | 699 | 708 | 713 | 720 | 735 | 729 | 713 | 703 | 696 |
| 1934 | 692 | 683 | 686 | 713 | 730 | 763 | 756 | 747 | 722 | 698 | 689 | 681 |
| 1935 | 668 | 672 | 679 | 707 | 790 | 762 | 850 | 860 | 845 | 820 | 809 | 791 |
| 1936 | 777 | 768 | 766 | 818 | 849 | 860 | 886 | 880 | 875 | 835 | 809 | 804 |
| 1937 | 787 | 776 | 772 | 774 | 792 | 825 | 850 | 863 | 841 | 812 | 790 | 783 |
| 1938 | 779 | 797 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 824 | 820 | 785 | 721 | 659 | 653 |
| 1940 | 642 | 632 | 634 | 706 | 815 | 849 | 879 | 885 | 869 | 830 | 822 | 806 |
| 1941 | 798 | 798 | 840 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 881 | 877 | 878 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 896 | 860 | 850 | 850 |
| 1944 | 851 | 854 | 853 | 859 | 857 | 868 | 879 | 895 | 875 | 835 | 793 | 787 |
| 1945 | 782 | 789 | 805 | 820 | 861 | 865 | 880 | 896 | 877 | 837 | 805 | 800 |
| 1946 | 800 | 808 | 849 | 864 | 868 | 868 | 887 | 896 | 874 | 836 | 795 | 792 |
| 1947 | 774 | 780 | 788 | 795 | 822 | 844 | 853 | 849 | 832 | 776 | 720 | 713 |
| 1948 | 717 | 718 | 714 | 751 | 755 | 775 | 837 | 866 | 872 | 837 | 820 | 798 |
| 1949 | 791 | 789 | 789 | 794 | 802 | 827 | 847 | 853 | 830 | 776 | 738 | 733 |
| 1950 | 719 | 711 | 707 | 741 | 789 | 829 | 862 | 881 | 868 | 844 | 840 | 833 |
| 1951 | 837 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 848 | 820 | 820 |
| 1952 | 823 | 827 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 900 | 899 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 868 | 866 | 867 |
| 1954 | 870 | 871 | 874 | 858 | 857 | 859 | 883 | 868 | 853 | 807 | 761 | 760 |
| 1955 | 761 | 763 | 771 | 784 | 793 | 806 | 815 | 827 | 801 | 739 | 708 | 705 |
| 1956 | 696 | 692 | 846 | 849 | 849 | 864 | 892 | 900 | 900 | 872 | 864 | 868 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 865 | 883 | 869 | 831 | 794 | 799 |
| 1958 | 801 | 805 | 824 | 844 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 873 | 876 | 855 | 811 | 761 | 764 |
| 1960 | 758 | 747 | 742 | 756 | 817 | 856 | 858 | 864 | 845 | 804 | 792 | 781 |
| 1961 | 770 | 773 | 782 | 793 | 822 | 840 | 846 | 852 | 832 | 776 | 719 | 715 |
| 1962 | 698 | 693 | 703 | 717 | 781 | 816 | 841 | 843 | 828 | 772 | 738 | 717 |
| 1963 | 792 | 804 | 834 | 857 | 867 | 858 | 876 | 900 | 893 | 857 | 837 | 838 |
| 1964 | 839 | 851 | 853 | 863 | 872 | 874 | 880 | 885 | 870 | 829 | 783 | 760 |
| 1965 | 749 | 749 | 849 | 849 | 863 | 870 | 887 | 884 | 886 | 852 | 845 | 847 |
| 1966 | 851 | 859 | 860 | 864 | 870 | 874 | 890 | 881 | 860 | 820 | 770 | 763 |
| 1967 | 750 | 761 | 799 | 849 | 860 | 853 | 879 | 900 | 900 | 900 | 896 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 866 | 869 | 851 | 806 | 766 | 763 |
| 1969 | 764 | 770 | 792 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 872 | 874 | 860 | 822 | 780 | 782 |
| 1971 | 885 | 811 | 841 | 864 | 874 | 874 | 893 | 900 | 900 | 871 | 854 | 856 |
| 1972 | 861 | 867 | 865 | 869 | 867 | 874 | 884 | 887 | 868 | 827 | 783 | 784 |
| 1973 | 780 | 796 | 822 | 849 | 849 | 860 | 882 | 900 | 871 | 832 | 797 | 793 |
| 1974 | 797 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 888 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 875 | 874 | 875 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 841 | 795 | 752 | 751 |
| 1977 | 740 | 729 | 713 | 709 | 693 | 688 | 667 | 655 | 626 | 603 | 595 | 592 |
| 1978 | 581 | 581 | 617 | 744 | 798 | 859 | 878 | 897 | 891 | 871 | 861 | 869 |
| 1979 | 871 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 865 | 827 | 808 | 806 |
| 1980 | 812 | 817 | 826 | 850 | 849 | 865 | 881 | 893 | 888 | 870 | 863 | 862 |
| 1981 | 860 | 862 | 870 | 860 | 868 | 865 | 875 | 872 | 851 | 807 | 759 | 760 |
| 1982 | 766 | 847 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 885 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 900 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 886 | 895 | 879 | 841 | 826 | 827 |
| 1985 | 831 | 845 | 855 | 861 | 874 | 871 | 886 | 873 | 851 | 806 | 757 | 742 |
| 1986 | 733 | 729 | 736 | 771 | 849 | 849 | 871 | 875 | 871 | 835 | 824 | 835 |
| 1987 | 838 | 843 | 839 | 840 | 851 | 867 | 856 | 848 | 819 | 758 | 710 | 705 |
| 1988 | 693 | 695 | 735 | 762 | 765 | 766 | 764 | 754 | 731 | 711 | 699 | 696 |
| 1989 | 688 | 706 | 716 | 724 | 723 | 839 | 865 | 856 | 839 | 790 | 777 | 774 |
| 1990 | 785 | 786 | 771 | 784 | 792 | 818 | 806 | 807 | 781 | 725 | 711 | 703 |
| 1991 | 685 | 676 | 656 | 654 | 649 | 702 | 725 | 739 | 723 | 700 | 695 | 693 |
| 1992 | 689 | 684 | 686 | 689 | 721 | 750 | 765 | 755 | 731 | 708 | 697 | 691 |
| 1993 | 683 | 679 | 697 | 764 | 816 | 861 | 894 | 900 | 900 | 875 | 870 | 868 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 873 | 868 | 846 | 804 | 757 | 752 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-------|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 27 | 30 | 30 |
| 29 | 6 | 0 | 19 | 58 | 97 | 94 |
| 129 | 141 | 153 | 175 | 194 | 203 | 209 |
| 115 | 87 | 78 | 95 | 122 | 133 | 134 |
| 54 | 13 | 24 | 45 | 85 | 109 | 122 |
| 37 | 10 | 0 | 0 | 38 | 52 | 55 |
| 51 | 22 | 34 | 54 | 105 | 160 | 167 |
| 151 | 145 | 143 | 149 | 167 | 176 | 183 |
| 47 | 25 | 21 | 39 | 78 | 115 | 118 |
| 103 | 115 | 129 | 152 | 173 | 183 | 190 |
| 120 | 109 | 79 | 106 | 163 | 184 | 191 |
| 187 | 180 | 165 | 171 | 187 | 197 | 204 |
| 137 | 144 | 153 | 178 | 202 | 211 | 219 |
| 138 | 50 | 40 | 55 | 80 | 91 | 109 |
| 40 | 14 | 20 | 25 | 65 | 91 | 96 |
| 75 | 50 | 37 | 59 | 88 | 110 | 117 |
| 51 | 18 | 0 | 1 | 4 | 13 | |
| 67 | 76 | 80 | 115 | 179 | 241 | 247 |
| 51 | 21 | 15 | 31 | 70 | 78 | 94 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 |
| 33 | 18 | 0 | 0 | 19 | 23 | 22 |
| 41 | 13 | 3 | 4 | 40 | 50 | 50 |
| 32 | 21 | 5 | 23 | 65 | 107 | 113 |
| 35 | 20 | 4 | 25 | 63 | 95 | 100 |
| 32 | 13 | 4 | 26 | 64 | 105 | 108 |
| 56 | 47 | 51 | 68 | 124 | 180 | 187 |
| 125 | 63 | 34 | 28 | 63 | 80 | 102 |
| 73 | 53 | 47 | 70 | 124 | 162 | 167 |
| 71 | 38 | 19 | 32 | 56 | 60 | 67 |
| 30 | 14 | 0 | 11 | 52 | 80 | 80 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 |
| 33 | 17 | 0 | 0 | 32 | 34 | 33 |
| 41 | 17 | 32 | 47 | 93 | 139 | 140 |
| 94 | 85 | 73 | 99 | 161 | 192 | 195 |
| 36 | 8 | 0 | 0 | 28 | 36 | 32 |
| 37 | 35 | 17 | 31 | 69 | 106 | 101 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 27 | 24 | 45 | 89 | 139 | 136 |
| 44 | 42 | 36 | 55 | 96 | 108 | 119 |
| 60 | 54 | 48 | 68 | 124 | 181 | 185 |
| 84 | 59 | 57 | 72 | 128 | 162 | 183 |
| 42 | 24 | 0 | 7 | 43 | 63 | 62 |
| 26 | 20 | 15 | 30 | 71 | 117 | 140 |
| 30 | 13 | 16 | 14 | 48 | 55 | 53 |
| 26 | 10 | 19 | 40 | 80 | 130 | 137 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 31 | 31 | 49 | 94 | 134 | 137 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 |
| 26 | 28 | 26 | 40 | 78 | 120 | 118 |
| 26 | 7 | 0 | 0 | 29 | 46 | 44 |
| 26 | 16 | 13 | 32 | 73 | 117 | 116 |
| 40 | 18 | 0 | 29 | 68 | 103 | 107 |
| 51 | 17 | 0 | 0 | 11 | 12 | 14 |
| 48 | 19 | 0 | 0 | 25 | 26 | 25 |
| 29 | 29 | 38 | 59 | 105 | 148 | 149 |
| 212 | 233 | 245 | 274 | 299 | 305 | 308 |
| 41 | 22 | 3 | 9 | 29 | 39 | 31 |
| 37 | 22 | 4 | 35 | 73 | 92 | 94 |
| 35 | 19 | 7 | 12 | 30 | 37 | 38 |
| 35 | 25 | 28 | 49 | 93 | 141 | 140 |
| 41 | 16 | 0 | 0 | 11 | 14 | 10 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 14 | 5 | 21 | 59 | 74 | 73 |
| 29 | 14 | 27 | 49 | 94 | 143 | 158 |
| 51 | 29 | 25 | 29 | 65 | 76 | 65 |
| 33 | 44 | 54 | 81 | 162 | 190 | 195 |
| 134 | 136 | 146 | 169 | 189 | 201 | 204 |
| 61 | 35 | 44 | 61 | 110 | 123 | 126 |
| 82 | 94 | 93 | 119 | 175 | 189 | 197 |
| 198 | 175 | 161 | 177 | 200 | 205 | 207 |
| 150 | 135 | 145</ | | | | |

STUDY: 501a
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 466'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 408 | 413 | 413 | 424 | 428 | 443 | 466 | 466 | 462 | 444 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 423 | 428 | 449 | 466 | 451 | 432 | 419 | 401 |
| 1924 | 400 | 393 | 387 | 378 | 381 | 365 | 369 | 365 | 334 | 334 | 336 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 424 | 409 | 440 | 464 | 445 | 413 | 390 | 392 |
| 1926 | 394 | 385 | 358 | 360 | 396 | 405 | 440 | 438 | 408 | 355 | 342 | 354 |
| 1927 | 362 | 401 | 421 | 424 | 424 | 437 | 449 | 466 | 461 | 452 | 438 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 454 | 440 | 416 | 407 | 399 |
| 1929 | 374 | 364 | 356 | 339 | 346 | 365 | 380 | 388 | 374 | 335 | 347 | 351 |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 416 | 383 | 346 | 345 |
| 1931 | 335 | 349 | 362 | 376 | 385 | 399 | 395 | 393 | 334 | 334 | 335 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 445 | 461 | 440 | 400 | 370 | 374 |
| 1933 | 349 | 334 | 355 | 366 | 369 | 382 | 351 | 377 | 335 | 334 | 352 | 347 |
| 1934 | 335 | 335 | 375 | 402 | 420 | 425 | 417 | 413 | 334 | 324 | 313 | 326 |
| 1935 | 334 | 361 | 378 | 402 | 418 | 421 | 449 | 453 | 452 | 420 | 396 | 401 |
| 1936 | 401 | 399 | 396 | 424 | 424 | 437 | 449 | 461 | 456 | 442 | 422 | 426 |
| 1937 | 412 | 404 | 395 | 388 | 418 | 437 | 449 | 466 | 454 | 437 | 423 | 427 |
| 1938 | 417 | 415 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 416 | 419 | 388 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 449 | 430 | 419 | 423 |
| 1941 | 418 | 413 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 454 | 445 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 445 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 450 | 445 | 439 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 411 | 388 | 368 | 346 |
| 1945 | 335 | 377 | 402 | 411 | 424 | 437 | 449 | 466 | 455 | 444 | 434 | 426 |
| 1946 | 424 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 449 | 436 | 429 | 421 |
| 1947 | 415 | 415 | 415 | 407 | 413 | 432 | 442 | 444 | 414 | 377 | 346 | 334 |
| 1948 | 352 | 370 | 369 | 397 | 391 | 386 | 426 | 452 | 453 | 444 | 435 | 434 |
| 1949 | 425 | 419 | 416 | 406 | 400 | 422 | 443 | 459 | 441 | 424 | 408 | 398 |
| 1950 | 384 | 378 | 366 | 407 | 424 | 437 | 449 | 466 | 455 | 439 | 428 | 428 |
| 1951 | 423 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 434 | 429 | 425 |
| 1952 | 423 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 463 | 442 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 441 | 422 | 417 | 416 |
| 1955 | 409 | 402 | 406 | 412 | 412 | 408 | 418 | 436 | 417 | 392 | 335 | 355 |
| 1956 | 359 | 374 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 447 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 449 | 466 | 448 | 436 | 430 | 424 |
| 1958 | 421 | 415 | 416 | 423 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 428 | 436 | 436 | 412 | 390 | 379 | 386 |
| 1960 | 368 | 359 | 361 | 373 | 416 | 437 | 448 | 446 | 425 | 401 | 386 | 393 |
| 1961 | 386 | 389 | 392 | 391 | 399 | 408 | 415 | 423 | 407 | 388 | 377 | 383 |
| 1962 | 378 | 375 | 383 | 384 | 424 | 434 | 449 | 457 | 444 | 427 | 410 | 408 |
| 1963 | 439 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 451 | 445 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 421 | 419 | 430 | 436 | 415 | 383 | 354 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 412 | 449 | 464 | 454 | 447 | 440 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 445 | 445 | 422 | 398 | 390 | 384 |
| 1967 | 376 | 391 | 423 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1969 | 390 | 400 | 413 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 432 | 441 | 430 | 415 | 412 | 411 |
| 1971 | 401 | 414 | 424 | 424 | 424 | 437 | 449 | 463 | 463 | 461 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 431 | 409 | 402 | 399 |
| 1973 | 399 | 404 | 419 | 424 | 424 | 437 | 449 | 466 | 451 | 435 | 427 | 426 |
| 1974 | 423 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 463 | 447 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 396 | 401 | 404 | 372 | 334 | 341 | 342 |
| 1977 | 335 | 334 | 330 | 325 | 321 | 323 | 334 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 287 | 304 | 358 | 424 | 424 | 437 | 449 | 466 | 459 | 452 | 439 | 434 |
| 1979 | 423 | 417 | 407 | 414 | 424 | 437 | 447 | 466 | 448 | 431 | 413 | 414 |
| 1980 | 411 | 412 | 416 | 405 | 399 | 430 | 449 | 464 | 453 | 453 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 410 | 389 | 382 | 379 |
| 1982 | 381 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 443 | 463 | 452 | 439 | 428 | 425 |
| 1985 | 423 | 424 | 424 | 422 | 424 | 426 | 447 | 444 | 413 | 373 | 335 | 334 |
| 1986 | 335 | 366 | 396 | 424 | 396 | 424 | 449 | 464 | 456 | 451 | 447 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 416 | 418 | 386 | 335 | 322 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 389 | 387 | 395 | 392 | 355 | 330 | 314 | 376 |
| 1989 | 362 | 380 | 396 | 405 | 398 | 437 | 449 | 452 | 432 | 410 | 404 | 408 |
| 1990 | 405 | 404 | 400 | 400 | 398 | 409 | 415 | 416 | 382 | 334 | 343 | 344 |
| 1991 | 334 | 334 | 334 | 332 | 332 | 383 | 407 | 425 | 419 | 409 | 404 | 404 |
| 1992 | 396 | 383 | 373 | 355 | 380 | 397 | 409 | 405 | 362 | 334 | 323 | 316 |
| 1993 | 315 | 315 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 453 | 444 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 390 | 399 | 403 | 379 | 334 | 334 | 332 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 4 | 22 | 32 | |
| 3 | 17 | 0 | 15 | 34 | 47 | 65 | |
| 101 | 97 | 101 | 132 | 132 | 130 | 132 | |
| 57 | 26 | 2 | 21 | 53 | 76 | 74 | |
| 61 | 26 | 28 | 58 | 111 | 124 | 112 | |
| 29 | 17 | 0 | 5 | 14 | 28 | 32 | |
| 437 | 449 | 17 | 12 | 26 | 50 | 67 | |
| 101 | 86 | 78 | 92 | 131 | 119 | 115 | |
| 29 | 17 | 23 | 24 | 50 | 83 | 120 | 121 |
| 67 | 71 | 73 | 132 | 132 | 131 | 132 | |
| 30 | 21 | 5 | 26 | 66 | 96 | 92 | |
| 84 | 115 | 89 | 131 | 132 | 114 | 119 | |
| 41 | 49 | 53 | 132 | 142 | 153 | 140 | |
| 45 | 17 | 13 | 14 | 46 | 70 | 65 | |
| 29 | 17 | 5 | 10 | 24 | 44 | 40 | |
| 29 | 17 | 0 | 12 | 29 | 43 | 39 | |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | |
| 57 | 50 | 47 | 78 | 132 | 132 | 131 | |
| 29 | 17 | 5 | 17 | 36 | 47 | 43 | |
| 29 | 17 | 0 | 8 | 12 | 21 | 32 | |
| 36 | 17 | 0 | 0 | 3 | 21 | 32 | |
| 43 | 44 | 45 | 7 | 16 | 21 | 32 | |
| 47 | 46 | 33 | 55 | 78 | 98 | 120 | |
| 29 | 17 | 0 | 11 | 22 | 32 | 41 | |
| 29 | 17 | 0 | 17 | 30 | 37 | 45 | |
| 34 | 24 | 22 | 52 | 89 | 120 | 132 | |
| 80 | 40 | 14 | 13 | 22 | 31 | 32 | |
| 44 | 23 | 7 | 25 | 42 | 58 | 68 | |
| 29 | 17 | 0 | 11 | 27 | 38 | 38 | |
| 40 | 17 | 0 | 16 | 32 | 37 | 41 | |
| 36 | 20 | 8 | 2 | 3 | 24 | 32 | |
| 29 | 17 | 14 | 25 | 44 | 49 | 50 | |
| 58 | 48 | 30 | 49 | 74 | 131 | 111 | |
| 41 | 25 | 0 | 0 | 3 | 19 | 32 | |
| 29 | 32 | 6 | 18 | 30 | 36 | 42 | |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | |
| 38 | 30 | 30 | 54 | 76 | 87 | 90 | |
| 29 | 18 | 20 | 41 | 65 | 80 | 73 | |
| 58 | 51 | 43 | 59 | 78 | 89 | 83 | |
| 32 | 17 | 9 | 22 | 39 | 56 | 58 | |
| 36 | 17 | 0 | 7 | 15 | 21 | 32 | |
| 47 | 36 | 30 | 51 | 83 | 112 | 132 | |
| 54 | 17 | 2 | 12 | 19 | 26 | 32 | |
| 36 | 21 | 21 | 44 | 68 | 76 | 82 | |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | |
| 29 | 26 | 24 | 48 | 71 | 73 | 73 | |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 | |
| 40 | 34 | 25 | 36 | 51 | 54 | 55 | |
| 29 | 17 | 3 | 3 | 5 | 17 | 32 | |
| 29 | 22 | 15 | 35 | 57 | 64 | 67 | |
| 29 | 17 | 0 | 15 | 31 | 39 | 40 | |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 | |
| 29 | 25 | 0 | 0 | 3 | 19 | 32 | |
| 143 | 132 | 125 | 132 | 147 | 161 | 175 | |
| 29 | 17 | 0 | 7 | 14 | 27 | 32 | |
| 29 | 19 | 0 | 18 | 35 | 53 | 52 | |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 | |
| 44 | 33 | 31 | 56 | 77 | 84 | 87 | |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 | |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 | |
| 42 | 23 | 3 | 14 | 27 | 36 | 41 | |
| 40 | 19 | 22 | 53 | 93 | 131 | 132 | |
| 42 | 17 | 2 | 10 | 15 | 19 | 32 | |
| 56 | 50 | 48 | 80 | 131 | 144 | 132 | |
| 79 | 71 | 74 | 111 | 136 | 152 | 90 | |
| 29 | 17 | 14 | 34 | 56 | 62 | 58 | |
| 57 | 51 | 50 | 84 | 132 | 123 | 122 | |
| 83 | 59 | 41 | 47 | 57 | 62 | 62 | |
| 69 | 57 | 61 | 104 | 132 | 143 | 150 | |
| 32 | 17 | 0 | 0 | 13 | 22 | 32 | |
| 76 | 67 | 63 | 87 | 132 | 132 | 134 | |

73 - year Average: 1

STUDY: 501a
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 973 | 990 | 1012 | 1004 | 991 | 981 |
| 1923 | 980 | 984 | 984 | 1002 | 1008 | 1007 | 1004 | 1008 | 1009 | 999 | 985 | 976 |
| 1924 | 975 | 977 | 981 | 985 | 988 | 989 | 979 | 967 | 954 | 942 | 930 | 926 |
| 1925 | 926 | 928 | 932 | 935 | 953 | 965 | 966 | 982 | 986 | 978 | 964 | 957 |
| 1926 | 955 | 957 | 959 | 962 | 972 | 975 | 975 | 965 | 952 | 937 | 923 | 912 |
| 1927 | 913 | 918 | 927 | 934 | 953 | 964 | 973 | 984 | 986 | 976 | 963 | 956 |
| 1928 | 957 | 963 | 968 | 972 | 980 | 1001 | 999 | 1001 | 993 | 979 | 964 | 957 |
| 1929 | 956 | 958 | 961 | 964 | 968 | 969 | 964 | 961 | 950 | 938 | 925 | 918 |
| 1930 | 919 | 921 | 923 | 927 | 933 | 941 | 941 | 936 | 931 | 917 | 896 | 883 |
| 1931 | 884 | 889 | 892 | 896 | 901 | 904 | 896 | 883 | 865 | 847 | 828 | 819 |
| 1932 | 818 | 821 | 832 | 841 | 864 | 875 | 875 | 911 | 930 | 923 | 905 | 893 |
| 1933 | 894 | 896 | 902 | 907 | 911 | 914 | 906 | 902 | 899 | 878 | 856 | 844 |
| 1934 | 845 | 849 | 855 | 861 | 870 | 880 | 871 | 857 | 837 | 818 | 791 | 773 |
| 1935 | 770 | 773 | 779 | 793 | 805 | 816 | 834 | 877 | 898 | 883 | 863 | 851 |
| 1936 | 851 | 855 | 860 | 877 | 914 | 927 | 940 | 963 | 966 | 955 | 942 | 935 |
| 1937 | 935 | 938 | 942 | 946 | 959 | 973 | 975 | 1000 | 1003 | 994 | 982 | 975 |
| 1938 | 975 | 978 | 991 | 1000 | 1019 | 1040 | 1049 | 1076 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 988 | 990 | 992 | 1004 | 1018 | 1035 | 1044 | 1055 | 1046 | 1033 | 1021 | 1014 |
| 1941 | 1013 | 1015 | 1020 | 1027 | 1037 | 1047 | 1043 | 1058 | 1064 | 1058 | 1047 | 1040 |
| 1942 | 1038 | 1039 | 1045 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1059 | 1048 | 1041 |
| 1944 | 1039 | 1040 | 1042 | 1043 | 1046 | 1050 | 1041 | 1038 | 1031 | 1018 | 1005 | 997 |
| 1945 | 995 | 1000 | 1004 | 1009 | 1023 | 1032 | 1032 | 1037 | 1044 | 1035 | 1022 | 1015 |
| 1946 | 1015 | 1019 | 1029 | 1037 | 1044 | 1050 | 1048 | 1057 | 1053 | 1042 | 1029 | 1022 |
| 1947 | 1022 | 1025 | 1028 | 1031 | 1035 | 1038 | 1026 | 1017 | 1008 | 997 | 985 | 978 |
| 1948 | 977 | 978 | 981 | 983 | 984 | 988 | 987 | 989 | 998 | 988 | 976 | 969 |
| 1949 | 967 | 970 | 973 | 976 | 980 | 986 | 979 | 984 | 978 | 965 | 952 | 945 |
| 1950 | 943 | 944 | 946 | 954 | 964 | 973 | 972 | 985 | 990 | 978 | 966 | 958 |
| 1951 | 957 | 994 | 1033 | 1045 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 1000 |
| 1952 | 998 | 1001 | 1008 | 1022 | 1033 | 1046 | 1048 | 1077 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1037 | 1028 | 1016 | 1009 |
| 1954 | 1006 | 1008 | 1010 | 1013 | 1016 | 1023 | 1026 | 1028 | 1019 | 1005 | 992 | 982 |
| 1955 | 979 | 982 | 986 | 992 | 996 | 999 | 993 | 986 | 982 | 969 | 955 | 947 |
| 1956 | 947 | 950 | 953 | 1011 | 1025 | 1034 | 1025 | 1042 | 1053 | 1047 | 1035 | 1028 |
| 1957 | 1026 | 1028 | 1030 | 1033 | 1037 | 1044 | 1032 | 1029 | 1028 | 1015 | 1002 | 994 |
| 1958 | 989 | 992 | 994 | 1001 | 1009 | 1024 | 1031 | 1061 | 1075 | 1069 | 1059 | 1052 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 979 | 981 | 984 | 987 | 994 | 999 | 996 | 991 | 980 | 966 | 953 | 943 |
| 1961 | 939 | 942 | 946 | 949 | 951 | 954 | 950 | 943 | 931 | 918 | 900 | 889 |
| 1962 | 889 | 892 | 896 | 899 | 916 | 924 | 926 | 934 | 937 | 927 | 910 | 896 |
| 1963 | 896 | 901 | 908 | 921 | 939 | 946 | 947 | 976 | 983 | 975 | 962 | 956 |
| 1964 | 956 | 961 | 965 | 972 | 975 | 979 | 972 | 964 | 956 | 942 | 929 | 920 |
| 1965 | 920 | 924 | 955 | 982 | 996 | 1004 | 1012 | 1013 | 1018 | 1010 | 999 | 992 |
| 1966 | 991 | 996 | 1001 | 1006 | 1011 | 1016 | 1006 | 1004 | 994 | 980 | 966 | 957 |
| 1967 | 956 | 959 | 971 | 986 | 996 | 1007 | 1009 | 1032 | 1060 | 1064 | 1054 | 1048 |
| 1968 | 1046 | 1048 | 1050 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 994 | 984 |
| 1969 | 982 | 987 | 990 | 1020 | 1041 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1039 | 1025 | 1012 | 1005 |
| 1971 | 1003 | 1007 | 1015 | 1022 | 1029 | 1035 | 1026 | 1021 | 1021 | 1010 | 998 | 990 |
| 1972 | 986 | 990 | 997 | 1002 | 1009 | 1007 | 993 | 992 | 981 | 968 | 954 | 947 |
| 1973 | 947 | 950 | 956 | 971 | 990 | 1003 | 1004 | 1022 | 1026 | 1016 | 1005 | 1000 |
| 1974 | 1001 | 1007 | 1016 | 1029 | 1039 | 1053 | 1057 | 1067 | 1067 | 1058 | 1047 | 1039 |
| 1975 | 1038 | 1040 | 1043 | 1047 | 1050 | 1055 | 1050 | 1049 | 1061 | 1053 | 1042 | 1034 |
| 1976 | 1033 | 1036 | 1039 | 1040 | 1043 | 1045 | 1040 | 1031 | 1020 | 1010 | 1000 | 995 |
| 1977 | 994 | 996 | 997 | 997 | 998 | 998 | 989 | 977 | 968 | 956 | 944 | 938 |
| 1978 | 936 | 936 | 940 | 951 | 963 | 983 | 993 | 1010 | 1021 | 1019 | 1010 | 1007 |
| 1979 | 1007 | 1009 | 1013 | 1021 | 1034 | 1048 | 1048 | 1057 | 1052 | 1039 | 1025 | 1018 |
| 1980 | 1019 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 982 | 991 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1012 | 1006 |
| 1985 | 1005 | 1010 | 1015 | 1018 | 1023 | 1029 | 1021 | 1015 | 1005 | 995 | 983 | 977 |
| 1986 | 977 | 981 | 985 | 994 | 1044 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1046 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 998 | 998 | 999 | 1000 | 1002 | 1004 | 998 | 988 | 978 | 968 | 959 | 953 |
| 1989 | 952 | 952 | 953 | 954 | 956 | 968 | 964 | 960 | 952 | 940 | 929 | 924 |
| 1990 | 927 | 930 | 934 | 937 | 940 | 944 | 937 | 926 | 911 | 891 | 875 | 866 |
| 1991 | 865 | 867 | 871 | 871 | 871 | 879 | 874 | 869 | 853 | 834 | 817 | 810 |
| 1992 | 811 | 813 | 819 | 822 | 833 | 842 | 834 | 818 | 792 | 762 | 727 | 715 |
| 1993 | 723 | 737 | 745 | 789 | 887 | 941 | 929 | 934 | 945 | 935 | 925 | 921 |
| 1994 | 920 | 921 | 925 | 925 | 927 | 932 | 929 | 925 | 913 | 894 | 876 | 869 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 115 | 98 | 76 | 84 | 97 | 1 |
| 80 | 81 | 84 | 80 | 79 | 89 | 103 | 1 |
| 100 | 99 | 109 | 121 | 134 | 146 | 158 | 1 |
| 135 | 123 | 122 | 106 | 102 | 110 | 124 | 1 |
| 116 | 113 | 113 | 123 | 136 | 151 | 165 | 1 |
| 135 | 124 | 115 | 104 | 102 | 112 | 125 | 1 |
| 108 | 87 | 89 | 87 | 95 | 109 | 124 | 1 |
| 120 | 119 | 124 | 127 | 138 | 150 | 163 | 1 |
| 155 | 147 | 147 | 152 | 157 | 171 | 192 | 1 |
| 187 | 184 | 192 | 205 | 223 | 241 | 260 | 1 |
| 224 | 213 | 213 | 177 | 158 | 165 | 183 | 1 |
| 177 | 174 | 182 | 186 | 189 | 210 | 232 | 1 |
| 218 | 208 | 217 | 231 | 251 | 270 | 297 | 1 |
| 283 | 272 | 254 | 211 | 190 | 205 | 225 | 1 |
| 174 | 161 | 148 | 125 | 122 | 133 | 146 | 1 |
| 129 | 115 | 113 | 88 | 85 | 94 | 106 | 1 |
| 69 | 48 | 39 | 12 | 0 | 4 | 13 | 1 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 | 1 |
| 70 | 53 | 44 | 33 | 42 | 55 | 67 | 1 |
| 51 | 41 | 45 | 30 | 24 | 30 | 41 | 1 |
| 38 | 33 | 33 | 21 | 7 | 10 | 21 | 1 |
| 38 | 33 | 27 | 20 | 21 | 29 | 40 | 1 |
| 42 | 38 | 47 | 50 | 57 | 70 | 83 | 1 |
| 65 | 56 | 56 | 51 | 44 | 53 | 66 | 1 |
| 44 | 38 | 40 | 31 | 35 | 46 | 59 | 1 |
| 53 | 50 | 62 | 71 | 81 | 91 | 103 | 1 |
| 104 | 100 | 101 | 99 | 90 | 100 | 112 | 1 |
| 108 | 102 | 109 | 104 | 110 | 123 | 136 | 1 |
| 124 | 115 | 116 | 103 | 98 | 110 | 122 | 1 |
| 38 | 33 | 40 | 47 | 55 | 68 | 81 | 1 |
| 55 | 42 | 40 | 11 | 0 | 2 | 12 | 1 |
| 38 | 34 | 42 | 52 | 51 | 60 | 72 | 1 |
| 72 | 65 | 62 | 60 | 69 | 83 | 96 | 1 |
| 92 | 89 | 95 | 102 | 106 | 119 | 133 | 1 |
| 63 | 54 | 63 | 46 | 35 | 41 | 53 | 1 |
| 51 | 44 | 56 | 59 | 60 | 73 | 86 | 1 |
| 79 | 64 | 57 | 27 | 13 | 19 | 29 | 1 |
| 38 | 35 | 42 | 58 | 70 | 83 | 96 | 1 |
| 94 | 89 | 92 | 97 | 108 | 122 | 135 | 1 |
| 137 | 134 | 138 | 145 | 157 | 170 | 188 | 1 |
| 172 | 164 | 162 | 154 | 151 | 161 | 178 | 1 |
| 149 | 142 | 141 | 112 | 105 | 113 | 126 | 1 |
| 113 | 109 | 116 | 124 | 132 | 146 | 159 | 1 |
| 92 | 84 | 76 | 75 | 70 | 78 | 89 | 1 |
| 77 | 72 | 82 | 84 | 94 | 108 | 122 | 1 |
| 92 | 81 | 79 | 56 | 28 | 24 | 34 | 1 |
| 38 | 34 | 46 | 55 | 66 | 80 | 94 | 1 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 | 1 |
| 38 | 33 | 41 | 47 | 49 | 63 | 76 | 1 |
| 59 | 53 | 62 | 67 | 77 | 88 | 99 | 1 |
| 85 | 81 | 95 | 96 | 107 | 120 | 134 | 1 |
| 98 | 85 | 84 | 66 | 62 | 72 | 83 | 1 |
| 49 | 35 | 31 | 21 | 21 | 30 | 41 | 1 |
| 38 | 33 | 38 | 39 | 27 | 35 | 46 | 1 |
| 45 | 43 | 48 | 57 | 68 | 78 | 88 | 1</ |

STUDY: 501a

CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 832'
Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 599 | 581 | 579 | 600 | 656 | 690 | 698 | 724 | 781 | 778 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 788 | 792 | 801 | 794 | 779 | 770 |
| 1924 | 764 | 761 | 756 | 755 | 756 | 754 | 748 | 743 | 734 | 722 | 708 | 700 |
| 1925 | 695 | 695 | 696 | 700 | 722 | 739 | 751 | 762 | 780 | 771 | 755 | 744 |
| 1926 | 737 | 734 | 730 | 729 | 738 | 742 | 756 | 768 | 765 | 750 | 734 | 725 |
| 1927 | 717 | 717 | 721 | 729 | 758 | 773 | 784 | 782 | 800 | 793 | 778 | 768 |
| 1928 | 762 | 762 | 762 | 766 | 774 | 792 | 801 | 818 | 818 | 803 | 788 | 779 |
| 1929 | 772 | 767 | 763 | 762 | 766 | 767 | 767 | 770 | 778 | 769 | 759 | 752 |
| 1930 | 747 | 744 | 741 | 742 | 748 | 755 | 756 | 759 | 772 | 763 | 754 | 747 |
| 1931 | 745 | 744 | 743 | 745 | 748 | 747 | 739 | 727 | 714 | 700 | 687 | 679 |
| 1932 | 676 | 671 | 683 | 699 | 736 | 751 | 762 | 756 | 772 | 767 | 752 | 741 |
| 1933 | 734 | 727 | 721 | 720 | 727 | 730 | 726 | 719 | 736 | 725 | 708 | 697 |
| 1934 | 688 | 687 | 684 | 687 | 698 | 707 | 706 | 698 | 694 | 676 | 658 | 648 |
| 1935 | 640 | 639 | 641 | 655 | 682 | 697 | 723 | 734 | 764 | 751 | 734 | 721 |
| 1936 | 713 | 711 | 705 | 711 | 753 | 770 | 779 | 796 | 812 | 802 | 787 | 776 |
| 1937 | 770 | 765 | 760 | 763 | 791 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 800 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 772 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 738 | 739 | 740 | 735 | 743 | 768 | 758 | 740 | 730 |
| 1949 | 723 | 716 | 711 | 710 | 717 | 728 | 735 | 744 | 751 | 734 | 714 | 701 |
| 1950 | 693 | 687 | 680 | 686 | 705 | 718 | 727 | 737 | 753 | 737 | 719 | 706 |
| 1951 | 700 | 749 | 797 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 770 | 768 | 774 | 781 | 784 | 780 | 784 | 791 | 778 | 766 | 759 |
| 1956 | 753 | 749 | 798 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 796 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 760 | 758 | 755 | 756 | 763 | 769 | 770 | 775 | 778 | 768 | 758 | 752 |
| 1961 | 748 | 746 | 746 | 748 | 750 | 749 | 743 | 733 | 726 | 713 | 701 | 694 |
| 1962 | 691 | 688 | 686 | 687 | 712 | 732 | 742 | 742 | 768 | 760 | 746 | 736 |
| 1963 | 729 | 724 | 720 | 725 | 751 | 762 | 770 | 781 | 806 | 802 | 788 | 778 |
| 1964 | 773 | 774 | 775 | 780 | 786 | 789 | 785 | 781 | 784 | 772 | 761 | 754 |
| 1965 | 750 | 750 | 784 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 744 | 755 | 770 | 788 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 798 | 795 | 783 | 772 | 766 |
| 1973 | 762 | 761 | 763 | 774 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 800 | 799 | 794 | 787 | 777 | 767 | 757 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 701 | 687 | 671 | 662 |
| 1978 | 658 | 654 | 657 | 683 | 716 | 748 | 761 | 776 | 813 | 821 | 808 | 802 |
| 1979 | 797 | 794 | 790 | 800 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 789 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 793 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 705 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 708 | 722 | 733 | 747 | 754 | 743 | 732 | 727 |
| 1990 | 725 | 725 | 725 | 727 | 730 | 733 | 730 | 726 | 724 | 709 | 695 | 688 |
| 1991 | 684 | 680 | 676 | 675 | 675 | 684 | 683 | 698 | 709 | 699 | 689 | 683 |
| 1992 | 681 | 682 | 681 | 684 | 693 | 698 | 700 | 707 | 706 | 692 | 677 | 666 |
| 1993 | 660 | 654 | 654 | 689 | 721 | 750 | 758 | 772 | 803 | 802 | 788 | 778 |
| 1994 | 772 | 766 | 762 | 761 | 765 | 768 | 765 | 768 | 766 | 756 | 746 | 740 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 142 | 134 | 108 | 51 | 54 | 69 | 80 |
| 48 | 44 | 40 | 31 | 38 | 53 | 62 |
| 78 | 84 | 89 | 98 | 110 | 124 | 132 |
| 93 | 81 | 70 | 52 | 61 | 77 | 88 |
| 90 | 76 | 64 | 67 | 82 | 98 | 107 |
| 59 | 48 | 50 | 32 | 39 | 54 | 64 |
| 40 | 31 | 14 | 14 | 29 | 44 | 53 |
| 65 | 65 | 62 | 54 | 63 | 73 | 80 |
| 77 | 76 | 73 | 60 | 69 | 78 | 85 |
| 85 | 93 | 105 | 118 | 132 | 145 | 153 |
| 81 | 80 | 76 | 60 | 65 | 80 | 91 |
| 102 | 106 | 113 | 96 | 107 | 124 | 135 |
| 125 | 126 | 134 | 138 | 156 | 174 | 184 |
| 135 | 109 | 98 | 68 | 81 | 98 | 111 |
| 62 | 53 | 36 | 20 | 30 | 45 | 56 |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 |
| 32 | 32 | 28 | 1 | 0 | 13 | 24 |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 |
| 32 | 32 | 20 | 0 | 1 | 15 | 24 |
| 32 | 30 | 25 | 1 | 0 | 14 | 24 |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 |
| 51 | 54 | 50 | 56 | 68 | 82 | 90 |
| 92 | 97 | 89 | 64 | 74 | 92 | 102 |
| 104 | 97 | 88 | 81 | 98 | 118 | 131 |
| 114 | 105 | 95 | 79 | 95 | 113 | 126 |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 18 | 22 | 36 | 45 |
| 35 | 30 | 13 | 12 | 27 | 43 | 52 |
| 48 | 52 | 48 | 41 | 54 | 66 | 73 |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 |
| 32 | 32 | 26 | 5 | 18 | 32 | 41 |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 |
| 32 | 30 | 32 | 38 | 50 | 62 | 69 |
| 63 | 62 | 57 | 54 | 64 | 74 | 80 |
| 83 | 89 | 99 | 106 | 119 | 131 | 138 |
| 100 | 90 | 64 | 12 | 72 | 86 | 96 |
| 70 | 62 | 51 | 26 | 30 | 44 | 54 |
| 43 | 47 | 51 | 48 | 60 | 71 | 78 |
| 32 | 30 | 25 | 5 | 16 | 25 | 35 |
| 32 | 31 | 34 | 41 | 56 | 71 | 80 |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 |
| 32 | 33 | 33 | 25 | 37 | 52 | 61 |
| 32 | 31 | 31 | 25 | 34 | 46 | 54 |
| 32 | 32 | 34 | 37 | 49 | 60 | 66 |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 |
| 33 | 38 | 45 | 55 | 65 | 75 | 81 |
| 95 | 104 | 117 | 131 | 145 | 161 | 170 |
| 84 | 71 | 56 | 19 | 11 | 24 | 30 |
| 32 | 30 | 10 | 0 | 14 | 29 | 38 |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 |
| 32 | 30 | 26 | 27 | 39 | 50 | 58 |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 |
| 32 | 35 | 29 | 18 | 31 | 46 | 56 |
| 32 | 31 | 33 | 37 | 48 | 60 | 66 |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 |
| 44 | 46 | 49 | 53 | 63 | 73 | 80 |
| 71 | 76 | 85 | 92 | 104 | | |

STUDY: 501a
CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 867
Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 711 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 810 | 797 | 779 | 766 | 756 |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 819 | 840 | 844 | 831 | 815 | 803 |
| 1926 | 801 | 801 | 802 | 804 | 808 | 812 | 831 | 827 | 826 | 822 | 814 | 806 |
| 1927 | 802 | 803 | 807 | 807 | 808 | 815 | 817 | 844 | 854 | 849 | 845 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 823 | 821 | 815 | 810 | 807 |
| 1929 | 805 | 804 | 804 | 803 | 805 | 807 | 808 | 811 | 811 | 813 | 816 | 809 |
| 1930 | 806 | 804 | 804 | 804 | 804 | 800 | 803 | 803 | 807 | 810 | 813 | 811 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 794 | 776 | 762 | 752 |
| 1932 | 750 | 751 | 770 | 782 | 808 | 817 | 826 | 847 | 864 | 854 | 839 | 829 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 |
| 1934 | 789 | 788 | 792 | 797 | 805 | 813 | 819 | 810 | 801 | 784 | 770 | 761 |
| 1935 | 757 | 761 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 855 | 858 | 845 | 830 | 818 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 777 | 778 | 779 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 |
| 1948 | 789 | 790 | 791 | 793 | 794 | 794 | 798 | 820 | 837 | 822 | 804 | 790 |
| 1949 | 786 | 785 | 786 | 788 | 792 | 800 | 809 | 830 | 828 | 808 | 789 | 774 |
| 1950 | 768 | 768 | 768 | 776 | 788 | 792 | 807 | 825 | 826 | 806 | 787 | 771 |
| 1951 | 767 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 |
| 1955 | 766 | 765 | 768 | 774 | 779 | 781 | 781 | 803 | 812 | 797 | 780 | 770 |
| 1956 | 765 | 765 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 |
| 1958 | 786 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 |
| 1960 | 772 | 771 | 770 | 771 | 783 | 791 | 805 | 818 | 815 | 800 | 786 | 776 |
| 1961 | 773 | 773 | 775 | 776 | 778 | 779 | 784 | 785 | 777 | 759 | 742 | 730 |
| 1962 | 729 | 729 | 731 | 734 | 776 | 786 | 809 | 818 | 832 | 819 | 800 | 786 |
| 1963 | 782 | 781 | 782 | 791 | 808 | 810 | 819 | 841 | 854 | 845 | 830 | 818 |
| 1964 | 808 | 808 | 808 | 808 | 807 | 808 | 809 | 816 | 813 | 797 | 780 | 771 |
| 1965 | 765 | 769 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 828 | 838 | 826 | 804 | 784 | 771 |
| 1967 | 767 | 769 | 794 | 806 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 812 | 793 | 777 | 766 |
| 1969 | 762 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 821 | 802 | 789 |
| 1971 | 786 | 788 | 798 | 807 | 808 | 812 | 814 | 826 | 836 | 822 | 804 | 790 |
| 1972 | 787 | 787 | 794 | 799 | 805 | 816 | 819 | 831 | 831 | 816 | 802 | 795 |
| 1973 | 793 | 794 | 800 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 768 | 759 |
| 1977 | 758 | 756 | 754 | 754 | 754 | 749 | 740 | 727 | 716 | 686 | 656 | 632 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 792 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 814 | 801 |
| 1985 | 800 | 803 | 807 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 |
| 1986 | 797 | 799 | 805 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 782 | 773 |
| 1988 | 772 | 773 | 775 | 781 | 785 | 791 | 797 | 801 | 794 | 777 | 763 | 753 |
| 1989 | 751 | 750 | 753 | 753 | 759 | 775 | 796 | 805 | 802 | 786 | 772 | 763 |
| 1990 | 765 | 766 | 766 | 769 | 772 | 779 | 789 | 786 | 777 | 761 | 744 | 732 |
| 1991 | 730 | 729 | 728 | 728 | 727 | 748 | 755 | 774 | 789 | 775 | 762 | 751 |
| 1992 | 750 | 751 | 752 | 754 | 768 | 774 | 791 | 793 | 781 | 768 | 753 | 741 |
| 1993 | 740 | 741 | 747 | 792 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 820 | 812 | 796 | 783 | 773 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 |
| 60 | 58 | 57 | 70 | 88 | 101 | 117 | 1 |
| 66 | 48 | 27 | 23 | 36 | 52 | 64 | 1 |
| 55 | 36 | 40 | 41 | 45 | 53 | 61 | 1 |
| 52 | 50 | 23 | 13 | 18 | 22 | 27 | 1 |
| 58 | 59 | 44 | 46 | 52 | 57 | 60 | 1 |
| 60 | 59 | 56 | 56 | 54 | 51 | 58 | 1 |
| 67 | 64 | 64 | 60 | 57 | 54 | 56 | 1 |
| 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 |
| 50 | 41 | 20 | 3 | 13 | 28 | 38 | 1 |
| 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 |
| 54 | 48 | 57 | 66 | 83 | 97 | 106 | 1 |
| 61 | 27 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 12 | 9 | 22 | 37 | 49 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 |
| 73 | 69 | 47 | 30 | 45 | 63 | 77 | 1 |
| 67 | 58 | 37 | 39 | 59 | 78 | 93 | 1 |
| 75 | 60 | 42 | 41 | 61 | 80 | 96 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 |
| 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 |
| 86 | 86 | 64 | 55 | 70 | 87 | 97 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | 1 |
| 76 | 62 | 49 | 52 | 67 | 81 | 91 | 1 |
| 88 | 83 | 82 | 90 | 108 | 125 | 137 | 1 |
| 81 | 58 | 49 | 35 | 48 | 67 | 81 | 1 |
| 57 | 48 | 26 | 13 | 22 | 37 | 49 | 1 |
| 59 | 58 | 51 | 54 | 70 | 87 | 96 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 53 | 39 | 29 | 41 | 63 | 83 | 96 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 50 | 46 | 55 | 74 | 90 | 101 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 46 | 30 | 30 | 46 | 65 | 78 | 1 |
| 55 | 53 | 41 | 31 | 45 | 63 | 77 | 1 |
| 51 | 48 | 36 | 36 | 51 | 65 | 72 | 1 |
| 47 | 39 | 8 | 0 | 15 | 29 | 39 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 99 | 108 | 1 |
| 118 | 127 | 140 | 151 | 181 | 211 | 235 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 4 | 18 | 33 | 44 | 1 |
| 47 | 32 | 8 | 0 | 0 | 12 | 27 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | 1 |
| 47 | 40 | 17 | 19 | 35 | 53 | 66 | 1 |
| 53 | 39 | 26 | 32 | 46 | 60 | 70 | 1 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 | 1 |
| 57 | 49 | | | | | | |

STUDY: 501a
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 461 | 471 | 486 | 500 | 506 | 490 | 512 | 530 | 520 | 497 | 480 | 472 |
| 1926 | 474 | 487 | 503 | 517 | 520 | 506 | 548 | 562 | 533 | 492 | 471 | 482 |
| 1927 | 488 | 503 | 525 | 543 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 478 | 494 | 506 | 517 | 514 | 509 | 524 | 534 | 517 | 488 | 465 | 482 |
| 1931 | 486 | 501 | 512 | 522 | 517 | 508 | 510 | 515 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 491 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 469 | 479 | 499 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 494 | 503 | 517 | 549 | 550 | 551 | 548 | 561 | 553 | 512 | 465 | 470 |
| 1941 | 481 | 493 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 487 | 503 | 517 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 555 | 576 | 576 | 562 | 527 | 516 | 498 |
| 1959 | 482 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 473 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 549 | 487 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 479 | 495 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 479 | 494 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 494 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 507 | 534 | 553 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 22 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 7 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 7 |
| 86 | 64 | 46 | 56 | 79 | 96 | 104 | 7 |
| 70 | 28 | 14 | 14 | 84 | 105 | 94 | 9 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 17 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 7 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 7 |
| 67 | 52 | 42 | 59 | 88 | 111 | 94 | 7 |
| 68 | 66 | 61 | 68 | 94 | 110 | 110 | 7 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | 7 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 7 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 7 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 13 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 17 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 25 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 16 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 8 |
| 25 | 28 | 15 | 23 | 64 | 111 | 106 | 8 |
| 3 | 3 | 7 | 0 | 7 | 49 | 107 | 26 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | 14 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 | 23 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 7 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 20 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 8 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 7 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 7 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 7 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 | 7 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 7 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 | 19 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 7 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | 8 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | 7 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 | 25 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | 10 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 | 25 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | 9 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | 7 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | 7 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | 10 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | 25 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | 8 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | 9 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | 9 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | 20 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | 7 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | 17 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | 7 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | 7 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | 7 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 | 7 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 | 15 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 | 10 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 | 7 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 | 7 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 | 17 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 | 15 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 | 20 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 | 1 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 | 23 |
| 92 | 109 | | | | | | |

STUDY: **501a**
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 442 | 477 | 521 | 544 | 544 | 537 | 526 | 510 | 473 | 439 | 444 |
| 1923 | 475 | 503 | 519 | 544 | 544 | 544 | 532 | 501 | 459 | 432 | 410 | 409 |
| 1924 | 425 | 434 | 461 | 505 | 526 | 526 | 516 | 494 | 464 | 437 | 405 | 403 |
| 1925 | 404 | 414 | 457 | 486 | 527 | 530 | 519 | 492 | 451 | 435 | 397 | 378 |
| 1926 | 384 | 403 | 440 | 482 | 525 | 530 | 520 | 494 | 463 | 453 | 387 | 384 |
| 1927 | 393 | 434 | 473 | 520 | 544 | 544 | 533 | 514 | 479 | 455 | 433 | 431 |
| 1928 | 463 | 493 | 510 | 542 | 544 | 544 | 531 | 502 | 453 | 428 | 405 | 404 |
| 1929 | 431 | 453 | 478 | 523 | 544 | 544 | 534 | 520 | 498 | 465 | 433 | 430 |
| 1930 | 430 | 435 | 481 | 530 | 541 | 544 | 524 | 492 | 461 | 453 | 438 | 415 |
| 1931 | 420 | 424 | 425 | 467 | 481 | 481 | 471 | 459 | 448 | 425 | 378 | 377 |
| 1932 | 390 | 389 | 451 | 509 | 537 | 530 | 514 | 489 | 470 | 468 | 441 | 427 |
| 1933 | 441 | 447 | 448 | 492 | 512 | 521 | 514 | 500 | 478 | 444 | 400 | 400 |
| 1934 | 414 | 411 | 456 | 509 | 518 | 518 | 504 | 480 | 457 | 439 | 405 | 393 |
| 1935 | 390 | 411 | 430 | 490 | 496 | 530 | 525 | 499 | 461 | 434 | 378 | 360 |
| 1936 | 397 | 408 | 419 | 475 | 520 | 540 | 532 | 512 | 475 | 452 | 432 | 414 |
| 1937 | 440 | 452 | 474 | 524 | 544 | 544 | 544 | 539 | 510 | 471 | 432 | 415 |
| 1938 | 445 | 477 | 512 | 544 | 544 | 544 | 544 | 544 | 537 | 504 | 471 | 486 |
| 1939 | 513 | 529 | 544 | 544 | 544 | 544 | 522 | 486 | 455 | 442 | 432 | 412 |
| 1940 | 417 | 414 | 408 | 474 | 514 | 536 | 526 | 500 | 459 | 435 | 374 | 373 |
| 1941 | 405 | 435 | 471 | 522 | 544 | 544 | 538 | 533 | 517 | 468 | 438 | 457 |
| 1942 | 488 | 504 | 529 | 544 | 544 | 544 | 535 | 519 | 511 | 470 | 444 | 457 |
| 1943 | 487 | 503 | 526 | 544 | 544 | 544 | 541 | 536 | 508 | 474 | 432 | 434 |
| 1944 | 465 | 493 | 513 | 544 | 544 | 544 | 522 | 485 | 451 | 433 | 419 | 413 |
| 1945 | 418 | 455 | 489 | 522 | 544 | 544 | 524 | 493 | 452 | 427 | 410 | 413 |
| 1946 | 445 | 477 | 502 | 541 | 544 | 544 | 521 | 483 | 436 | 403 | 400 | 401 |
| 1947 | 430 | 459 | 488 | 518 | 544 | 544 | 522 | 483 | 445 | 425 | 409 | 407 |
| 1948 | 411 | 416 | 416 | 467 | 485 | 507 | 503 | 477 | 443 | 417 | 373 | 372 |
| 1949 | 403 | 432 | 463 | 508 | 529 | 544 | 522 | 486 | 445 | 423 | 405 | 409 |
| 1950 | 428 | 441 | 452 | 502 | 540 | 544 | 528 | 496 | 463 | 432 | 378 | 376 |
| 1951 | 404 | 439 | 477 | 525 | 544 | 544 | 522 | 492 | 443 | 408 | 387 | 388 |
| 1952 | 414 | 444 | 472 | 511 | 544 | 544 | 544 | 536 | 510 | 492 | 499 | 493 |
| 1953 | 518 | 539 | 544 | 544 | 544 | 544 | 524 | 504 | 480 | 458 | 439 | 453 |
| 1954 | 483 | 502 | 523 | 544 | 544 | 544 | 529 | 502 | 448 | 415 | 395 | 397 |
| 1955 | 425 | 455 | 481 | 520 | 532 | 538 | 517 | 485 | 458 | 450 | 436 | 420 |
| 1956 | 423 | 435 | 478 | 516 | 544 | 544 | 530 | 512 | 491 | 459 | 430 | 440 |
| 1957 | 467 | 492 | 500 | 531 | 544 | 544 | 526 | 497 | 459 | 435 | 415 | 417 |
| 1958 | 449 | 478 | 503 | 535 | 544 | 544 | 544 | 543 | 536 | 500 | 481 | 495 |
| 1959 | 508 | 529 | 544 | 544 | 544 | 544 | 518 | 480 | 441 | 421 | 405 | 404 |
| 1960 | 437 | 453 | 458 | 504 | 543 | 544 | 522 | 486 | 452 | 438 | 385 | 362 |
| 1961 | 386 | 418 | 455 | 500 | 533 | 544 | 520 | 483 | 452 | 439 | 430 | 405 |
| 1962 | 421 | 436 | 470 | 504 | 543 | 544 | 517 | 475 | 422 | 382 | 334 | 342 |
| 1963 | 379 | 411 | 440 | 485 | 520 | 538 | 530 | 514 | 488 | 461 | 440 | 451 |
| 1964 | 480 | 507 | 523 | 544 | 544 | 544 | 514 | 473 | 426 | 398 | 372 | 376 |
| 1965 | 382 | 415 | 452 | 504 | 530 | 544 | 539 | 522 | 490 | 469 | 441 | 445 |
| 1966 | 473 | 501 | 518 | 544 | 544 | 544 | 521 | 482 | 432 | 401 | 391 | 396 |
| 1967 | 422 | 454 | 488 | 527 | 544 | 544 | 544 | 537 | 525 | 506 | 509 | 509 |
| 1968 | 528 | 544 | 544 | 544 | 544 | 544 | 523 | 486 | 447 | 428 | 411 | 413 |
| 1969 | 444 | 473 | 505 | 542 | 544 | 544 | 544 | 544 | 537 | 517 | 489 | 503 |
| 1970 | 517 | 538 | 544 | 544 | 544 | 544 | 526 | 496 | 454 | 432 | 413 | 419 |
| 1971 | 449 | 480 | 511 | 538 | 542 | 544 | 525 | 500 | 467 | 438 | 411 | 423 |
| 1972 | 453 | 479 | 494 | 526 | 544 | 544 | 521 | 482 | 441 | 420 | 403 | 400 |
| 1973 | 425 | 457 | 488 | 521 | 544 | 544 | 528 | 496 | 458 | 428 | 416 | 419 |
| 1974 | 450 | 478 | 494 | 535 | 544 | 544 | 535 | 516 | 487 | 458 | 432 | 445 |
| 1975 | 473 | 486 | 505 | 537 | 544 | 544 | 531 | 508 | 481 | 448 | 422 | 433 |
| 1976 | 460 | 483 | 497 | 528 | 544 | 544 | 524 | 495 | 475 | 468 | 449 | 430 |
| 1977 | 431 | 437 | 439 | 457 | 457 | 457 | 458 | 446 | 426 | 403 | 395 | 410 |
| 1978 | 414 | 432 | 482 | 534 | 544 | 544 | 544 | 526 | 472 | 432 | 447 | 407 |
| 1979 | 478 | 502 | 517 | 544 | 544 | 544 | 529 | 501 | 466 | 445 | 428 | 417 |
| 1980 | 451 | 482 | 503 | 544 | 544 | 544 | 544 | 538 | 520 | 489 | 450 | 467 |
| 1981 | 498 | 518 | 539 | 544 | 544 | 544 | 525 | 487 | 449 | 430 | 414 | 409 |
| 1982 | 432 | 466 | 498 | 533 | 544 | 544 | 544 | 544 | 530 | 494 | 462 | 472 |
| 1983 | 496 | 515 | 536 | 544 | 544 | 544 | 544 | 544 | 542 | 541 | 528 | 541 |
| 1984 | 544 | 544 | 544 | 544 | 544 | 544 | 527 | 498 | 460 | 435 | 415 | 419 |
| 1985 | 454 | 486 | 502 | 533 | 544 | 544 | 518 | 478 | 430 | 402 | 375 | 377 |
| 1986 | 381 | 396 | 425 | 480 | 517 | 544 | 544 | 536 | 523 | 489 | 456 | 464 |
| 1987 | 494 | 505 | 531 | 544 | 544 | 544 | 522 | 485 | 456 | 445 | 437 | 414 |
| 1988 | 422 | 419 | 456 | 506 | 518 | 518 | 506 | 490 | 478 | 460 | 425 | 422 |
| 1989 | 418 | 435 | 456 | 493 | 493 | 526 | 514 | 483 | 450 | 441 | 385 | 395 |
| 1990 | 411 | 427 | 459 | 500 | 521 | 525 | 508 | 478 | 460 | 456 | 399 | 383 |
| 1991 | 383 | 390 | 390 | 405 | 405 | 465 | 463 | 452 | 436 | 419 | 403 | 405 |
| 1992 | 409 | 422 | 437 | 483 | 513 | 536 | 526 | 506 | 490 | 457 | 414 | 406 |
| 1993 | 406 | 413 | 462 | 519 | 543 | 544 | 534 | 520 | 504 | 471 | 432 | 431 |
| 1994 | 462 | 492 | 507 | 540 | 544 | 544 | 520 | 483 | 453 | 440 | 432 | 416 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|------|-----|-----|-----|
| 0 | 7 | 18 | 34 | 71 | 105 | 100 |
| 0 | 12 | 43 | 85 | 112 | 134 | 135 |
| 18 | 28 | 50 | 80 | 107 | 139 | 141 |
| 14 | 25 | 52 | 93 | 109 | 147 | 166 |
| 14 | 24 | 50 | 81 | 91 | 157 | 160 |
| 0 | 11 | 30 | 65 | 89 | 111 | 113 |
| 0 | 13 | 42 | 91 | 116 | 139 | 140 |
| 0 | 10 | 24 | 46 | 79 | 111 | 114 |
| 0 | 20 | 52 | 83 | 91 | 106 | 129 |
| 63 | 73 | 85 | 96 | 119 | 166 | 167 |
| 14 | 30 | 55 | 74 | 76 | 103 | 117 |
| 23 | 30 | 44 | 66 | 100 | 144 | 144 |
| 26 | 40 | 64 | 87 | 105 | 139 | 151 |
| 14 | 19 | 45 | 83 | 110 | 166 | 184 |
| 4 | 12 | 32 | 69 | 92 | 112 | 130 |
| 0 | 0 | 5 | 34 | 73 | 112 | 129 |
| 0 | 0 | 0 | 7 | 40 | 73 | 58 |
| 0 | 22 | 58 | 89 | 102 | 112 | 132 |
| 8 | 18 | 44 | 85 | 109 | 170 | 171 |
| 0 | 6 | 11 | 27 | 76 | 106 | 87 |
| 0 | 9 | 25 | 33 | 74 | 100 | 87 |
| 0 | 3 | 8 | 36 | 70 | 112 | 110 |
| 0 | 22 | 59 | 93 | 111 | 125 | 131 |
| 0 | 20 | 51 | 92 | 117 | 134 | 131 |
| 0 | 23 | 61 | 108 | 141 | 144 | 143 |
| 0 | 22 | 61 | 99 | 119 | 135 | 137 |
| 37 | 41 | 67 | 101 | 127 | 171 | 172 |
| 0 | 22 | 58 | 99 | 121 | 139 | 135 |
| 0 | 16 | 48 | 81 | 112 | 166 | 168 |
| 0 | 22 | 52 | 101 | 136 | 157 | 156 |
| 0 | 0 | 0 | 8 | 34 | 52 | 45 |
| 0 | 20 | 40 | 64 | 86 | 105 | 91 |
| 0 | 15 | 42 | 96 | 129 | 149 | 147 |
| 6 | 27 | 59 | 86 | 94 | 108 | 124 |
| 0 | 14 | 32 | 53 | 85 | 114 | 107 |
| 0 | 18 | 47 | 85 | 109 | 129 | 124 |
| 0 | 0 | 1 | 8 | 44 | 63 | 49 |
| 0 | 26 | 64 | 103 | 123 | 139 | 140 |
| 0 | 22 | 58 | 92 | 106 | 159 | 182 |
| 0 | 24 | 61 | 92 | 105 | 114 | 139 |
| 0 | 27 | 69 | 122 | 162 | 210 | 202 |
| 6 | 14 | 30 | 56 | 83 | 104 | 93 |
| 0 | 30 | 71 | 118 | 146 | 172 | 168 |
| 0 | 5 | 22 | 54 | 75 | 103 | 99 |
| 0 | 23 | 62 | 112 | 143 | 153 | 148 |
| 0 | 0 | 0 | 7 | 19 | 38 | 35 |
| 0 | 21 | 58 | 97 | 116 | 133 | 131 |
| 0 | 0 | 0 | 7 | 27 | 55 | 41 |
| 0 | 18 | 48 | 90 | 112 | 131 | 125 |
| 0 | 19 | 44 | 77 | 106 | 133 | 121 |
| 0 | 23 | 62 | 103 | 124 | 141 | 144 |
| 0 | 16 | 48 | 86 | 116 | 128 | 125 |
| 0 | 9 | 28 | 57 | 86 | 112 | 99 |
| 0 | 13 | 36 | 63 | 96 | 122 | 111 |
| 0 | 20 | 49 | 69 | 76 | 95 | 114 |
| 87 | 86 | 98 | 118 | 141 | 149 | 134 |
| 0 | 0 | 0 | 18 | 72 | 112 | 97 |
| 0 | 15 | 43 | 78 | 99 | 116 | 127 |
| 0 | 0 | 6 | 24 | 55 | 94 | 77 |
| 0 | 19 | 57 | 95 | 114 | 130 | 135 |
| 0 | 0 | 0 | 14 | 50 | 82 | 72 |
| 0 | 0 | 0 | 2 | 3 | 16 | 3 |
| 0 | 17 | 46 | 84 | 109 | 129 | 125 |
| 0 | 26 | 66 | 114 | 142 | 169 | 167 |
| 0 | 0 | 0 | 8 | 21 | 55 | 88 |
| 0 | 22 | 59 | 88 | 129 | 167 | 130 |
| 26 | 38 | 54 | 66 | 84 | 119 | 122 |
| 18 | 30 | 61 | 94 | 103 | 159 | 149 |
| 19 | 36 | 66 | 84 | 88 | 145 | 161 |
| 79 | 81 | 92 | 108 | 125 | 141 | 139 |
| 8 | 18 | 38 | 54</ | | | |

Joint Point Alternative 5

STUDY: 524
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 1067

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 989 | 993 | 999 | 1003 | 1019 | 1038 | 1060 | 1067 | 1062 | 1048 | 1029 | 1023 |
| 1923 | 1020 | 1017 | 1019 | 1023 | 1024 | 1026 | 1038 | 1033 | 1020 | 1000 | 982 | 981 |
| 1924 | 981 | 981 | 980 | 979 | 986 | 986 | 975 | 961 | 943 | 914 | 894 | 877 |
| 1925 | 881 | 897 | 906 | 916 | 922 | 999 | 1031 | 1043 | 1033 | 1009 | 993 | 991 |
| 1926 | 991 | 990 | 987 | 986 | 1015 | 1023 | 1039 | 1032 | 1011 | 988 | 968 | 961 |
| 1927 | 960 | 987 | 1010 | 1035 | 1026 | 1052 | 1067 | 1067 | 1058 | 1041 | 1019 | 1014 |
| 1928 | 1012 | 1017 | 1020 | 1028 | 1044 | 1046 | 1066 | 1062 | 1048 | 1022 | 1000 | 993 |
| 1929 | 989 | 989 | 990 | 997 | 998 | 1005 | 1006 | 999 | 990 | 974 | 956 | 948 |
| 1930 | 946 | 945 | 976 | 987 | 1004 | 1026 | 1037 | 1038 | 1019 | 999 | 986 | 984 |
| 1931 | 982 | 981 | 978 | 981 | 984 | 991 | 983 | 973 | 961 | 938 | 923 | 910 |
| 1932 | 905 | 904 | 920 | 931 | 941 | 965 | 968 | 977 | 969 | 955 | 941 | 934 |
| 1933 | 932 | 932 | 932 | 935 | 938 | 971 | 976 | 981 | 978 | 959 | 945 | 938 |
| 1934 | 937 | 937 | 945 | 963 | 982 | 994 | 995 | 990 | 981 | 945 | 921 | 906 |
| 1935 | 900 | 911 | 916 | 939 | 958 | 982 | 1027 | 1035 | 1027 | 1003 | 988 | 983 |
| 1936 | 982 | 980 | 979 | 1006 | 1032 | 1045 | 1055 | 1053 | 1045 | 1022 | 998 | 993 |
| 1937 | 988 | 985 | 980 | 976 | 978 | 1006 | 1035 | 1044 | 1040 | 1017 | 997 | 990 |
| 1938 | 987 | 1009 | 1020 | 1035 | 1030 | 1024 | 1049 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1939 | 1023 | 1017 | 1020 | 1022 | 1024 | 1039 | 1031 | 1024 | 999 | 977 | 947 | 943 |
| 1940 | 939 | 933 | 943 | 991 | 1017 | 1025 | 1059 | 1064 | 1054 | 1033 | 1005 | 1005 |
| 1941 | 1004 | 1004 | 1019 | 1020 | 1024 | 1045 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1942 | 1023 | 1017 | 1020 | 1023 | 1028 | 1042 | 1067 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1943 | 1023 | 1017 | 1022 | 1030 | 1042 | 1051 | 1067 | 1067 | 1059 | 1045 | 1029 | 1023 |
| 1944 | 1022 | 1017 | 1015 | 1014 | 1023 | 1033 | 1038 | 1038 | 1019 | 995 | 974 | 967 |
| 1945 | 969 | 981 | 996 | 1003 | 1038 | 1051 | 1063 | 1067 | 1062 | 1040 | 1018 | 1013 |
| 1946 | 1012 | 1017 | 1018 | 1033 | 1039 | 1051 | 1063 | 1065 | 1055 | 1037 | 1021 | 1015 |
| 1947 | 1008 | 1009 | 1010 | 1006 | 1013 | 1032 | 1040 | 1029 | 1014 | 991 | 971 | 960 |
| 1948 | 968 | 971 | 974 | 1002 | 1000 | 1012 | 1053 | 1067 | 1066 | 1048 | 1025 | 1023 |
| 1949 | 1020 | 1017 | 1015 | 1011 | 1015 | 1050 | 1063 | 1064 | 1048 | 1019 | 997 | 994 |
| 1950 | 989 | 988 | 986 | 995 | 1011 | 1029 | 1045 | 1044 | 1031 | 1009 | 992 | 990 |
| 1951 | 1002 | 1017 | 1020 | 1033 | 1040 | 1057 | 1064 | 1067 | 1051 | 1029 | 1011 | 1008 |
| 1952 | 1006 | 1011 | 1019 | 1032 | 1038 | 1048 | 1058 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1953 | 1023 | 1017 | 1021 | 1022 | 1033 | 1051 | 1065 | 1067 | 1067 | 1057 | 1040 | 1036 |
| 1954 | 1023 | 1017 | 1021 | 1030 | 1035 | 1051 | 1067 | 1064 | 1059 | 1042 | 1029 | 1025 |
| 1955 | 1022 | 1017 | 1022 | 1024 | 1027 | 1025 | 1038 | 1046 | 1027 | 1003 | 985 | 985 |
| 1956 | 978 | 983 | 1017 | 1017 | 1019 | 1048 | 1067 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1957 | 1023 | 1017 | 1016 | 1017 | 1035 | 1052 | 1058 | 1067 | 1060 | 1043 | 1028 | 1030 |
| 1958 | 1023 | 1017 | 1021 | 1025 | 1067 | 1024 | 1053 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1959 | 1023 | 1017 | 1017 | 1034 | 1039 | 1062 | 1057 | 1056 | 1038 | 1013 | 997 | 999 |
| 1960 | 991 | 989 | 987 | 993 | 1021 | 1048 | 1055 | 1064 | 1046 | 1022 | 1003 | 1002 |
| 1961 | 997 | 1000 | 1017 | 1023 | 1044 | 1057 | 1063 | 1067 | 1048 | 1024 | 1003 | 1003 |
| 1962 | 997 | 997 | 1009 | 1005 | 1035 | 1052 | 1064 | 1065 | 1053 | 1033 | 1009 | 1006 |
| 1963 | 1023 | 1017 | 1021 | 1025 | 1045 | 1055 | 1052 | 1067 | 1063 | 1049 | 1031 | 1029 |
| 1964 | 1023 | 1017 | 1018 | 1033 | 1034 | 1037 | 1031 | 1026 | 1011 | 989 | 969 | 967 |
| 1965 | 966 | 977 | 1017 | 1022 | 1041 | 1053 | 1065 | 1066 | 1057 | 1042 | 1029 | 1028 |
| 1966 | 1023 | 1017 | 1021 | 1037 | 1049 | 1055 | 1063 | 1061 | 1046 | 1026 | 1009 | 1002 |
| 1967 | 994 | 1008 | 1021 | 1030 | 1044 | 1048 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1968 | 1023 | 1017 | 1019 | 1025 | 1034 | 1054 | 1056 | 1058 | 1042 | 1021 | 1012 | 1010 |
| 1969 | 1005 | 1006 | 1017 | 1022 | 1027 | 1048 | 1063 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1970 | 1023 | 1017 | 1020 | 1017 | 1025 | 1052 | 1055 | 1055 | 1043 | 1023 | 1006 | 1004 |
| 1971 | 1004 | 1017 | 1020 | 1028 | 1042 | 1043 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1972 | 1023 | 1017 | 1022 | 1033 | 1045 | 1056 | 1067 | 1067 | 1050 | 1029 | 1015 | 1013 |
| 1973 | 1014 | 1017 | 1021 | 1030 | 1034 | 1053 | 1065 | 1067 | 1059 | 1041 | 1024 | 1020 |
| 1974 | 1023 | 1017 | 1018 | 1017 | 1036 | 1025 | 1058 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1975 | 1023 | 1017 | 1021 | 1024 | 1045 | 1039 | 1061 | 1067 | 1067 | 1057 | 1045 | 1036 |
| 1976 | 1023 | 1017 | 1018 | 1017 | 1012 | 1020 | 1027 | 1023 | 998 | 978 | 974 | 976 |
| 1977 | 978 | 980 | 980 | 980 | 970 | 970 | 952 | 946 | 924 | 906 | 888 | 885 |
| 1978 | 873 | 872 | 916 | 1019 | 1031 | 1047 | 1067 | 1067 | 1064 | 1053 | 1040 | 1036 |
| 1979 | 1023 | 1017 | 1013 | 1015 | 1026 | 1044 | 1052 | 1060 | 1046 | 1026 | 1010 | 1009 |
| 1980 | 1009 | 1012 | 1015 | 1029 | 1019 | 1046 | 1059 | 1064 | 1056 | 1045 | 1035 | 1035 |
| 1981 | 1023 | 1017 | 1020 | 1029 | 1042 | 1056 | 1064 | 1062 | 1042 | 1018 | 1001 | 998 |
| 1982 | 994 | 1017 | 1018 | 1033 | 1029 | 1046 | 1051 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1983 | 1023 | 1017 | 1020 | 1022 | 1017 | 1045 | 1050 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1984 | 1023 | 1017 | 1018 | 1034 | 1047 | 1056 | 1064 | 1067 | 1059 | 1043 | 1030 | 1032 |
| 1985 | 1023 | 1017 | 1022 | 1023 | 1027 | 1034 | 1042 | 1034 | 1011 | 991 | 975 | 973 |
| 1986 | 975 | 979 | 989 | 1014 | 1017 | 1029 | 1047 | 1049 | 1037 | 1021 | 1005 | 1009 |
| 1987 | 1009 | 1008 | 1007 | 1008 | 1018 | 1029 | 1046 | 1040 | 1007 | 983 | 948 | 946 |
| 1988 | 942 | 944 | 975 | 998 | 998 | 1001 | 1007 | 1007 | 989 | 956 | 941 | 939 |
| 1989 | 939 | 952 | 958 | 965 | 972 | 1036 | 1056 | 1052 | 1036 | 1015 | 1005 | 1005 |
| 1990 | 1008 | 1006 | 1003 | 1009 | 1010 | 1017 | 1011 | 1017 | 1002 | 977 | 957 | 954 |
| 1991 | 948 | 946 | 945 | 946 | 942 | 968 | 979 | 979 | 969 | 956 | 942 | 934 |
| 1992 | 933 | 931 | 932 | 937 | 975 | 998 | 1009 | 1002 | 987 | 962 | 949 | 943 |
| 1993 | 939 | 935 | 950 | 987 | 1019 | 1031 | 1059 | 1067 | 1067 | 1054 | 1044 | 1045 |
| 1994 | 1043 | 1017 | 1019 | 1020 | 1026 | 1030 | 1030 | 1028 | 1001 | 981 | 959 | 956 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 19 | 38 | 44 |
| 41 | 29 | 34 | 47 | 67 | 85 | 86 |
| 81 | 92 | 106 | 124 | 153 | 173 | 190 |
| 68 | 36 | 24 | 34 | 58 | 74 | 76 |
| 44 | 28 | 35 | 56 | 79 | 99 | 106 |
| 15 | 0 | 0 | 9 | 26 | 48 | 53 |
| 21 | 1 | 5 | 19 | 45 | 67 | 74 |
| 62 | 61 | 68 | 77 | 93 | 111 | 119 |
| 41 | 30 | 29 | 48 | 68 | 81 | 83 |
| 76 | 84 | 94 | 106 | 129 | 144 | 157 |
| 102 | 99 | 90 | 98 | 112 | 126 | 133 |
| 96 | 91 | 86 | 89 | 108 | 122 | 129 |
| 73 | 72 | 77 | 86 | 122 | 146 | 161 |
| 85 | 40 | 32 | 40 | 64 | 79 | 84 |
| 22 | 12 | 14 | 22 | 45 | 69 | 74 |
| 12 | 32 | 23 | 27 | 50 | 70 | 77 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 29 | 36 | 43 | 68 | 90 | 120 | 124 |
| 42 | 8 | 3 | 13 | 34 | 62 | 62 |
| 22 | 3 | 0 | 0 | 9 | 20 | 31 |
| 25 | 0 | 0 | 0 | 9 | 22 | 31 |
| 16 | 0 | 0 | 8 | 22 | 38 | 44 |
| 34 | 29 | 29 | 48 | 72 | 93 | 100 |
| 16 | 4 | 0 | 5 | 27 | 49 | 54 |
| 16 | 4 | 2 | 12 | 30 | 46 | 52 |
| 35 | 27 | 38 | 53 | 76 | 96 | 107 |
| 55 | 14 | 0 | 1 | 19 | 42 | 44 |
| 17 | 4 | 3 | 19 | 48 | 70 | 73 |
| 38 | 22 | 23 | 36 | 58 | 75 | 77 |
| 10 | 3 | 0 | 16 | 38 | 56 | 59 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 10 | 27 | 31 |
| 16 | 0 | 3 | 8 | 25 | 38 | 42 |
| 42 | 29 | 21 | 40 | 64 | 82 | 82 |
| 19 | 0 | 0 | 0 | 9 | 22 | 31 |
| 15 | 9 | 0 | 7 | 24 | 39 | 37 |
| 43 | 14 | 0 | 9 | 20 | 31 | 1 |
| 15 | 10 | 11 | 29 | 54 | 70 | 68 |
| 19 | 12 | 3 | 21 | 45 | 64 | 65 |
| 10 | 4 | 0 | 19 | 43 | 64 | 64 |
| 15 | 3 | 2 | 14 | 34 | 58 | 61 |
| 12 | 15 | 0 | 4 | 18 | 36 | 38 |
| 30 | 36 | 41 | 56 | 78 | 98 | 100 |
| 14 | 2 | 1 | 10 | 25 | 38 | 39 |
| 12 | 4 | 6 | 21 | 41 | 58 | 65 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 11 | 9 | 25 | 46 | 55 | 57 |
| 15 | 4 | 0 | 0 | 9 | 20 | 31 |
| 15 | 12 | 12 | 24 | 44 | 61 | 63 |
| 24 | 3 | 0 | 0 | 9 | 20 | 31 |
| 11 | 0 | 0 | 17 | 38 | 52 | 54 |
| 14 | 2 | 0 | 8 | 26 | 43 | 47 |
| 42 | 9 | 0 | 0 | 9 | 20 | 31 |
| 28 | 6 | 0 | 0 | 10 | 22 | 31 |
| 97 | 115 | 121 | 143 | 161 | 179 | 182 |
| 20 | 0 | 0 | 3 | 14 | 27 | 31 |
| 23 | 15 | 7 | 21 | 41 | 57 | 58 |
| 21 | 8 | 3 | 11 | 22 | 32 | 32 |
| 11 | 3 | 5 | 25 | 49 | 66 | 69 |
| 21 | 16 | 0 | 0 | 9 | 20 | 31 |
| 22 | 17 | 0 | 0 | 9 | 20 | 31 |
| 11 | 3 | 0 | 8 | 24 | | |

STUDY: 524
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 900'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 880 | 876 | 878 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 871 | 894 | 900 | 881 | 842 | 813 | 816 | 816 |
| 1924 | 808 | 796 | 767 | 772 | 791 | 780 | 767 | 753 | 730 | 709 | 700 | 694 | 700 |
| 1925 | 694 | 698 | 704 | 721 | 788 | 777 | 805 | 816 | 804 | 779 | 767 | 766 | 766 |
| 1926 | 763 | 764 | 766 | 780 | 827 | 847 | 887 | 873 | 852 | 820 | 806 | 788 | 800 |
| 1927 | 769 | 800 | 800 | 827 | 849 | 863 | 890 | 900 | 900 | 865 | 853 | 850 | 850 |
| 1928 | 848 | 858 | 859 | 868 | 871 | 849 | 878 | 863 | 843 | 790 | 737 | 730 | 730 |
| 1929 | 717 | 712 | 710 | 716 | 729 | 746 | 752 | 754 | 747 | 729 | 720 | 714 | 714 |
| 1930 | 705 | 702 | 763 | 792 | 819 | 851 | 873 | 876 | 858 | 819 | 785 | 782 | 782 |
| 1931 | 771 | 764 | 756 | 769 | 782 | 798 | 785 | 771 | 750 | 730 | 719 | 713 | 713 |
| 1932 | 707 | 698 | 704 | 728 | 750 | 782 | 787 | 812 | 782 | 729 | 712 | 705 | 705 |
| 1933 | 696 | 684 | 682 | 694 | 703 | 708 | 717 | 733 | 728 | 712 | 702 | 695 | 695 |
| 1934 | 691 | 682 | 685 | 712 | 736 | 762 | 754 | 744 | 719 | 695 | 685 | 678 | 678 |
| 1935 | 663 | 669 | 676 | 703 | 727 | 759 | 849 | 859 | 845 | 822 | 810 | 792 | 792 |
| 1936 | 773 | 764 | 762 | 814 | 849 | 860 | 886 | 897 | 886 | 846 | 826 | 823 | 823 |
| 1937 | 806 | 795 | 790 | 793 | 811 | 837 | 862 | 875 | 852 | 827 | 810 | 803 | 803 |
| 1938 | 799 | 816 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 713 | 658 | 653 | 653 |
| 1940 | 642 | 632 | 634 | 706 | 814 | 849 | 879 | 883 | 867 | 829 | 821 | 811 | 811 |
| 1941 | 800 | 797 | 838 | 848 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 885 | 882 | 882 | 882 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 895 | 863 | 853 | 853 | 853 |
| 1944 | 854 | 857 | 856 | 862 | 857 | 868 | 879 | 895 | 875 | 835 | 797 | 791 | 791 |
| 1945 | 786 | 793 | 809 | 823 | 862 | 865 | 880 | 896 | 877 | 837 | 812 | 807 | 807 |
| 1946 | 807 | 815 | 849 | 864 | 868 | 868 | 887 | 892 | 870 | 831 | 788 | 785 | 785 |
| 1947 | 777 | 782 | 791 | 797 | 823 | 845 | 855 | 850 | 832 | 777 | 728 | 721 | 721 |
| 1948 | 724 | 725 | 721 | 757 | 761 | 781 | 841 | 870 | 876 | 843 | 826 | 810 | 810 |
| 1949 | 796 | 788 | 786 | 788 | 794 | 820 | 840 | 844 | 821 | 786 | 776 | 766 | 766 |
| 1950 | 755 | 748 | 745 | 774 | 821 | 851 | 883 | 900 | 886 | 853 | 848 | 837 | 837 |
| 1951 | 841 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 848 | 820 | 820 | 820 |
| 1952 | 823 | 826 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 900 | 899 | 887 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 869 | 870 | 870 |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 863 | 847 | 800 | 753 | 753 | 753 |
| 1955 | 755 | 756 | 764 | 777 | 782 | 795 | 804 | 820 | 790 | 726 | 704 | 700 | 700 |
| 1956 | 691 | 688 | 643 | 649 | 649 | 664 | 692 | 900 | 900 | 873 | 870 | 874 | 874 |
| 1957 | 669 | 674 | 674 | 674 | 671 | 663 | 663 | 661 | 666 | 628 | 793 | 798 | 798 |
| 1958 | 800 | 804 | 823 | 844 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 808 | 757 | 761 | 761 |
| 1960 | 754 | 742 | 737 | 752 | 813 | 853 | 853 | 859 | 840 | 799 | 788 | 782 | 782 |
| 1961 | 771 | 774 | 783 | 794 | 823 | 840 | 846 | 851 | 831 | 775 | 721 | 717 | 717 |
| 1962 | 700 | 696 | 705 | 720 | 783 | 819 | 840 | 839 | 824 | 766 | 741 | 720 | 720 |
| 1963 | 794 | 807 | 836 | 859 | 867 | 858 | 876 | 900 | 893 | 857 | 845 | 846 | 846 |
| 1964 | 847 | 859 | 861 | 866 | 874 | 874 | 880 | 884 | 867 | 826 | 779 | 753 | 753 |
| 1965 | 739 | 740 | 849 | 849 | 863 | 870 | 887 | 882 | 884 | 855 | 849 | 851 | 851 |
| 1966 | 855 | 859 | 860 | 864 | 870 | 874 | 887 | 876 | 856 | 814 | 764 | 758 | 758 |
| 1967 | 744 | 755 | 793 | 845 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 802 | 764 | 761 | 761 |
| 1969 | 762 | 768 | 791 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 818 | 787 | 789 | 789 |
| 1971 | 792 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 871 | 853 | 855 | 855 |
| 1972 | 860 | 866 | 865 | 869 | 867 | 874 | 884 | 886 | 867 | 826 | 781 | 782 | 782 |
| 1973 | 778 | 793 | 820 | 849 | 849 | 860 | 882 | 900 | 869 | 829 | 810 | 806 | 806 |
| 1974 | 810 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 889 | 888 | 886 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 877 | 876 | 877 | 877 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 794 | 756 | 756 |
| 1977 | 746 | 735 | 718 | 715 | 699 | 694 | 670 | 661 | 632 | 608 | 600 | 597 | 597 |
| 1978 | 586 | 586 | 622 | 748 | 801 | 859 | 878 | 897 | 891 | 871 | 861 | 869 | 869 |
| 1979 | 871 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 863 | 828 | 819 | 816 | 816 |
| 1980 | 822 | 825 | 833 | 850 | 849 | 865 | 881 | 893 | 888 | 873 | 866 | 865 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 806 | 762 | 762 | 762 |
| 1982 | 770 | 845 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 886 | 887 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 900 | 889 | 887 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 878 | 840 | 830 | 832 | 832 |
| 1985 | 836 | 850 | 860 | 866 | 874 | 871 | 886 | 872 | 849 | 804 | 754 | 739 | 739 |
| 1986 | 730 | 726 | 733 | 769 | 849 | 849 | 871 | 875 | 871 | 842 | 831 | 842 | 842 |
| 1987 | 844 | 850 | 846 | 847 | 858 | 867 | 855 | 845 | 817 | 756 | 716 | 710 | 710 |
| 1988 | 698 | 701 | 741 | 767 | 769 | 770 | 769 | 758 | 734 | 713 | 701 | 698 | 698 |
| 1989 | 693 | 711 | 721 | 729 | 732 | 844 | 870 | 860 | 843 | 796 | 778 | 775 | 775 |
| 1990 | 675 | 786 | 768 | 782 | 789 | 816 | 793 | 794 | 768 | 721 | 707 | 697 | 697 |
| 1991 | 679 | 679 | 649 | 646 | 642 | 697 | 720 | 734 | 717 | 695 | 689 | 688 | 688 |
| 1992 | 683 | 679 | 680 | 683 | 715 | 745 | 761 | 751 | 726 | 703 | 692 | 686 | 686 |
| 1993 | 679 | 675 | 693 | 760 | 813 | 861 | 894 | 900 | 900 | 881 | 874 | 873 | 873 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 872 | 867 | 845 | 803 | 755 | 750 | 750 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 20 | 24 | 24 | 24 |
| 29 | 6 | 0 | 19 | 58 | 87 | 84 | 16 |
| 120 | 133 | 147 | 170 | 191 | 200 | 206 | 7 |
| 123 | 95 | 84 | 96 | 121 | 133 | 134 | 1 |
| 153 | 13 | 27 | 48 | 80 | 94 | 112 | 1 |
| 37 | 10 | 0 | 0 | 35 | 47 | 50 | 1 |
| 51 | 22 | 37 | 57 | 110 | 163 | 170 | 1 |
| 154 | 148 | 146 | 153 | 171 | 180 | 186 | 1 |
| 49 | 27 | 24 | 42 | 81 | 115 | 118 | 1 |
| 102 | 115 | 129 | 150 | 170 | 181 | 187 | 1 |
| 118 | 113 | 88 | 118 | 171 | 198 | 195 | 1 |
| 192 | 183 | 167 | 172 | 188 | 198 | 205 | 1 |
| 139 | 146 | 156 | 181 | 205 | 215 | 222 | 1 |
| 141 | 51 | 41 | 55 | 78 | 90 | 108 | 1 |
| 40 | 14 | 3 | 14 | 54 | 74 | 77 | 1 |
| 63 | 38 | 25 | 48 | 73 | 90 | 97 | 1 |
| 51 | 18 | 0 | 1 | 4 | 13 | 13 | 2 |
| 67 | 78 | 87 | 122 | 187 | 242 | 247 | 1 |
| 51 | 21 | 17 | 33 | 71 | 79 | 89 | 1 |
| 42 | 14 | 0 | 10 | 14 | 13 | 13 | 3 |
| 33 | 18 | 0 | 15 | 18 | 18 | 18 | 2 |
| 41 | 13 | 3 | 5 | 37 | 47 | 47 | 3 |
| 32 | 21 | 5 | 25 | 65 | 103 | 109 | 1 |
| 35 | 20 | 4 | 23 | 63 | 88 | 93 | 1 |
| 32 | 13 | 8 | 30 | 69 | 112 | 115 | 3 |
| 55 | 45 | 50 | 68 | 123 | 172 | 179 | 1 |
| 119 | 59 | 30 | 24 | 57 | 74 | 90 | 1 |
| 80 | 60 | 56 | 79 | 114 | 124 | 134 | 1 |
| 49 | 17 | 0 | 14 | 47 | 52 | 63 | 1 |
| 30 | 14 | 0 | 11 | 52 | 80 | 80 | 1 |
| 38 | 6 | 0 | 0 | 1 | 13 | 13 | 4 |
| 33 | 17 | 0 | 0 | 30 | 31 | 30 | 2 |
| 41 | 17 | 37 | 53 | 100 | 147 | 147 | 1 |
| 105 | 96 | 80 | 110 | 174 | 196 | 200 | 1 |
| 36 | 8 | 0 | 0 | 27 | 30 | 26 | 4 |
| 37 | 37 | 19 | 34 | 72 | 107 | 102 | 1 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 | 1 |
| 33 | 29 | 26 | 47 | 92 | 143 | 139 | 1 |
| 47 | 47 | 41 | 60 | 101 | 112 | 118 | 1 |
| 60 | 54 | 49 | 69 | 125 | 179 | 183 | 1 |
| 61 | 60 | 61 | 76 | 134 | 159 | 180 | 1 |
| 42 | 24 | 0 | 7 | 43 | 55 | 54 | 1 |
| 26 | 20 | 16 | 33 | 74 | 121 | 147 | 1 |
| 30 | 13 | 18 | 16 | 45 | 51 | 49 | 3 |
| 26 | 13 | 24 | 44 | 86 | 136 | 142 | 1 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 | 1 |
| 34 | 37 | 33 | 52 | 98 | 136 | 139 | 1 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 | 4 |
| 26 | 31 | 29 | 43 | 82 | 113 | 111 | 1 |
| 26 | 7 | 0 | 0 | 29 | 47 | 45 | 4 |
| 26 | 16 | 14 | 33 | 74 | 119 | 118 | 2 |
| 40 | 18 | 0 | 31 | 71 | 90 | 94 | 2 |
| 51 | 17 | 0 | 0 | 11 | 12 | 14 | 2 |
| 48 | 19 | 0 | 0 | 23 | 24 | 23 | 2 |

STUDY: 524
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 466'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 408 | 413 | 424 | 428 | 443 | 466 | 466 | 463 | 446 | 434 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 423 | 428 | 449 | 466 | 451 | 432 | 407 | 411 |
| 1924 | 406 | 400 | 394 | 384 | 382 | 365 | 367 | 364 | 334 | 334 | 336 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 394 | 409 | 441 | 464 | 446 | 416 | 396 | 398 |
| 1926 | 397 | 388 | 367 | 360 | 394 | 404 | 438 | 435 | 410 | 366 | 352 | 362 |
| 1927 | 369 | 405 | 424 | 424 | 424 | 437 | 449 | 466 | 461 | 451 | 438 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 442 | 417 | 407 | 404 |
| 1929 | 380 | 371 | 365 | 350 | 356 | 372 | 385 | 391 | 378 | 336 | 349 | 352 |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 417 | 386 | 355 | 354 |
| 1931 | 342 | 355 | 367 | 380 | 388 | 400 | 394 | 389 | 334 | 334 | 335 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 442 | 459 | 444 | 406 | 379 | 382 |
| 1933 | 362 | 334 | 347 | 350 | 335 | 364 | 334 | 366 | 339 | 334 | 352 | 347 |
| 1934 | 335 | 335 | 375 | 402 | 420 | 425 | 417 | 411 | 334 | 324 | 313 | 326 |
| 1935 | 334 | 361 | 378 | 402 | 418 | 421 | 449 | 453 | 452 | 417 | 385 | 399 |
| 1936 | 396 | 398 | 401 | 424 | 424 | 437 | 449 | 461 | 455 | 442 | 419 | 423 |
| 1937 | 410 | 397 | 388 | 381 | 413 | 437 | 449 | 466 | 454 | 437 | 423 | 426 |
| 1938 | 417 | 415 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 390 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 461 | 448 | 430 | 403 | 407 |
| 1941 | 402 | 401 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 448 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 448 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 447 | 441 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 413 | 392 | 363 | 358 |
| 1945 | 349 | 384 | 407 | 414 | 424 | 437 | 449 | 466 | 455 | 444 | 430 | 428 |
| 1946 | 421 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 451 | 438 | 432 | 423 |
| 1947 | 413 | 414 | 413 | 406 | 412 | 431 | 441 | 443 | 415 | 380 | 335 | 334 |
| 1948 | 352 | 370 | 369 | 397 | 393 | 388 | 427 | 453 | 453 | 444 | 429 | 426 |
| 1949 | 421 | 415 | 412 | 404 | 401 | 423 | 444 | 460 | 443 | 417 | 399 | 406 |
| 1950 | 384 | 379 | 373 | 409 | 424 | 437 | 449 | 466 | 455 | 442 | 432 | 432 |
| 1951 | 427 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 434 | 429 | 425 |
| 1952 | 423 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 462 | 442 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 452 | 441 | 422 | 417 | 415 |
| 1955 | 408 | 402 | 405 | 411 | 411 | 407 | 418 | 435 | 418 | 394 | 348 | 365 |
| 1956 | 334 | 356 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 446 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 433 | 459 | 448 | 436 | 428 | 426 |
| 1958 | 423 | 417 | 419 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 428 | 435 | 435 | 413 | 391 | 380 | 386 |
| 1960 | 370 | 364 | 366 | 377 | 418 | 437 | 448 | 446 | 426 | 401 | 387 | 394 |
| 1961 | 388 | 391 | 394 | 393 | 401 | 409 | 413 | 425 | 409 | 390 | 379 | 385 |
| 1962 | 380 | 377 | 386 | 379 | 424 | 434 | 448 | 455 | 448 | 429 | 408 | 406 |
| 1963 | 437 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 449 | 438 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 418 | 414 | 425 | 438 | 417 | 382 | 352 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 414 | 449 | 464 | 454 | 448 | 442 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 444 | 443 | 422 | 399 | 391 | 384 |
| 1967 | 376 | 391 | 423 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 439 | 441 | 419 | 395 | 392 | 395 |
| 1969 | 392 | 402 | 414 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 398 | 426 | 431 | 440 | 429 | 413 | 405 | 408 |
| 1971 | 400 | 414 | 424 | 424 | 424 | 437 | 447 | 461 | 461 | 460 | 449 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 432 | 410 | 403 | 401 |
| 1973 | 400 | 405 | 420 | 424 | 424 | 437 | 449 | 466 | 451 | 435 | 420 | 422 |
| 1974 | 419 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 449 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 462 | 447 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 396 | 401 | 404 | 371 | 334 | 340 | 341 |
| 1977 | 335 | 334 | 330 | 325 | 321 | 323 | 334 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 287 | 304 | 358 | 424 | 424 | 437 | 449 | 466 | 459 | 452 | 439 | 434 |
| 1979 | 423 | 417 | 407 | 414 | 424 | 437 | 447 | 466 | 449 | 430 | 413 | 416 |
| 1980 | 413 | 410 | 411 | 405 | 399 | 430 | 449 | 464 | 453 | 449 | 434 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 411 | 390 | 382 | 383 |
| 1982 | 385 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 441 | 464 | 453 | 440 | 427 | 427 |
| 1985 | 425 | 424 | 424 | 422 | 424 | 426 | 447 | 443 | 415 | 377 | 335 | 334 |
| 1986 | 335 | 366 | 396 | 424 | 396 | 424 | 449 | 464 | 456 | 451 | 447 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 416 | 417 | 385 | 335 | 321 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 384 | 381 | 390 | 387 | 347 | 317 | 294 | 371 |
| 1989 | 356 | 376 | 392 | 402 | 401 | 437 | 449 | 452 | 432 | 409 | 404 | 407 |
| 1990 | 404 | 403 | 399 | 399 | 397 | 409 | 419 | 418 | 386 | 334 | 334 | 335 |
| 1991 | 334 | 334 | 334 | 332 | 332 | 383 | 407 | 425 | 420 | 410 | 406 | 405 |
| 1992 | 398 | 385 | 376 | 358 | 382 | 399 | 409 | 404 | 361 | 334 | 322 | 315 |
| 1993 | 315 | 314 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 454 | 445 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 390 | 398 | 403 | 378 | 334 | 334 | 332 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 20 | 32 |
| 38 | 17 | 0 | 15 | 34 | 59 | 55 |
| 101 | 99 | 102 | 132 | 132 | 130 | 132 |
| 57 | 25 | 2 | 20 | 50 | 70 | 68 |
| 62 | 28 | 31 | 56 | 100 | 114 | 104 |
| 29 | 17 | 0 | 5 | 15 | 28 | 32 |
| 29 | 17 | 13 | 24 | 49 | 59 | 62 |
| 94 | 81 | 75 | 88 | 130 | 117 | 114 |
| 29 | 23 | 24 | 49 | 80 | 111 | 112 |
| 66 | 72 | 77 | 132 | 132 | 131 | 132 |
| 30 | 24 | 7 | 22 | 60 | 87 | 84 |
| 102 | 132 | 100 | 127 | 132 | 114 | 119 |
| 41 | 49 | 55 | 132 | 142 | 153 | 140 |
| 45 | 17 | 13 | 14 | 49 | 81 | 77 |
| 29 | 17 | 5 | 11 | 24 | 47 | 43 |
| 29 | 17 | 0 | 12 | 29 | 43 | 40 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 57 | 51 | 48 | 76 | 132 | 132 | 131 |
| 29 | 17 | 5 | 18 | 36 | 63 | 59 |
| 29 | 17 | 0 | 8 | 11 | 18 | 32 |
| 36 | 17 | 0 | 0 | 3 | 18 | 32 |
| 32 | 17 | 7 | 15 | 19 | 25 | 32 |
| 47 | 46 | 33 | 53 | 74 | 103 | 108 |
| 29 | 17 | 0 | 11 | 22 | 36 | 38 |
| 29 | 17 | 0 | 15 | 28 | 34 | 43 |
| 35 | 25 | 23 | 51 | 86 | 133 | 132 |
| 78 | 39 | 13 | 13 | 22 | 37 | 40 |
| 43 | 22 | 6 | 23 | 49 | 67 | 60 |
| 29 | 17 | 0 | 11 | 24 | 34 | 41 |
| 40 | 17 | 0 | 16 | 32 | 37 | 41 |
| 29 | 17 | 0 | 3 | 17 | 32 | 32 |
| 36 | 20 | 8 | 2 | 4 | 24 | 32 |
| 29 | 17 | 14 | 25 | 44 | 49 | 51 |
| 59 | 48 | 31 | 48 | 72 | 118 | 101 |
| 41 | 25 | 0 | 0 | 3 | 20 | 32 |
| 29 | 33 | 7 | 18 | 30 | 38 | 40 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 38 | 31 | 31 | 53 | 75 | 86 | 80 |
| 29 | 18 | 20 | 40 | 65 | 79 | 72 |
| 57 | 53 | 41 | 57 | 76 | 87 | 81 |
| 32 | 18 | 11 | 18 | 37 | 58 | 60 |
| 36 | 17 | 0 | 7 | 17 | 28 | 32 |
| 52 | 41 | 28 | 49 | 84 | 114 | 132 |
| 52 | 17 | 2 | 12 | 18 | 24 | 32 |
| 36 | 22 | 23 | 44 | 67 | 75 | 82 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 29 | 17 | 25 | 47 | 71 | 74 | 71 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 40 | 35 | 26 | 37 | 53 | 61 | 58 |
| 29 | 19 | 5 | 5 | 6 | 17 | 32 |
| 29 | 22 | 15 | 34 | 56 | 63 | 65 |
| 29 | 17 | 0 | 15 | 31 | 46 | 44 |
| 33 | 17 | 0 | 3 | 3 | 17 | 32 |
| 29 | 25 | 0 | 0 | 4 | 19 | 32 |
| 70 | 65 | 62 | 95 | 132 | 126 | 125 |
| 143 | 132 | 125 | 132 | 147 | 161 | 175 |
| 29 | 17 | 0 | 7 | 14 | 27 | 32 |
| 29 | 19 | 0 | 17 | 36 | 53 | 50 |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 |
| 44 | 33 | 31 | 55 | 76 | 84 | 83 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 |
| 42 | 25 | 2 | 13 | 26 | 39 | 39 |
| 40 | 19 | 23 | 45 | 89 | 131 | 132 |
| 42 | 17 | 2 | 10 | 15 | 19 | 32 |
| 56 | 50 | 49 | 81 | 131 | 145 | 132 |
| 85 | 76 | 79 | 119 | 149 | 172 | 95 |
| 29 | 17 | 14 | 34 | 57 | 62 | 59 |
| 57 | 47 | 48 | 80 | 132 | 132 | 131 |
| 83 | 59 | 41 | 46 | 56 | 60 | 61 |
| 67 | 57 | 62 | 105 | 132 | 144 | 151 |
| 32 | 17 | 0 | 0 | 12 | 21 | 32 |

STUDY: 524

CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 973 | 990 | 1012 | 1004 | 991 | 984 |
| 1923 | 980 | 984 | 994 | 1002 | 1008 | 1007 | 1004 | 1008 | 1009 | 999 | 985 | 976 |
| 1924 | 975 | 977 | 981 | 985 | 988 | 989 | 979 | 967 | 954 | 942 | 931 | 926 |
| 1925 | 926 | 928 | 932 | 935 | 953 | 965 | 966 | 982 | 986 | 978 | 964 | 957 |
| 1926 | 955 | 957 | 959 | 962 | 972 | 975 | 976 | 965 | 952 | 937 | 923 | 912 |
| 1927 | 913 | 918 | 927 | 934 | 953 | 964 | 973 | 984 | 987 | 976 | 963 | 957 |
| 1928 | 958 | 963 | 969 | 973 | 981 | 1001 | 999 | 1001 | 993 | 979 | 965 | 957 |
| 1929 | 956 | 958 | 961 | 964 | 968 | 969 | 964 | 961 | 950 | 938 | 926 | 918 |
| 1930 | 919 | 921 | 923 | 927 | 933 | 941 | 941 | 936 | 931 | 917 | 896 | 883 |
| 1931 | 884 | 889 | 892 | 896 | 901 | 904 | 896 | 883 | 865 | 847 | 828 | 819 |
| 1932 | 818 | 821 | 832 | 841 | 864 | 875 | 875 | 911 | 930 | 923 | 905 | 893 |
| 1933 | 894 | 896 | 902 | 907 | 911 | 914 | 906 | 902 | 899 | 878 | 856 | 844 |
| 1934 | 844 | 849 | 855 | 861 | 870 | 880 | 871 | 857 | 837 | 818 | 791 | 773 |
| 1935 | 770 | 773 | 779 | 783 | 805 | 816 | 834 | 877 | 898 | 883 | 863 | 851 |
| 1936 | 851 | 855 | 860 | 877 | 914 | 927 | 940 | 963 | 971 | 960 | 947 | 940 |
| 1937 | 940 | 943 | 946 | 951 | 964 | 977 | 979 | 1003 | 1007 | 998 | 987 | 979 |
| 1938 | 980 | 982 | 995 | 1004 | 1023 | 1044 | 1052 | 1079 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 988 | 990 | 992 | 1004 | 1018 | 1035 | 1044 | 1055 | 1047 | 1034 | 1022 | 1014 |
| 1941 | 1014 | 1016 | 1021 | 1028 | 1038 | 1048 | 1043 | 1059 | 1065 | 1058 | 1048 | 1040 |
| 1942 | 1039 | 1040 | 1045 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1059 | 1048 | 1041 |
| 1944 | 1039 | 1040 | 1042 | 1043 | 1046 | 1050 | 1045 | 1041 | 1035 | 1022 | 1008 | 1000 |
| 1945 | 998 | 1003 | 1007 | 1012 | 1026 | 1035 | 1036 | 1048 | 1054 | 1046 | 1033 | 1026 |
| 1946 | 1026 | 1030 | 1040 | 1048 | 1050 | 1054 | 1053 | 1061 | 1058 | 1046 | 1034 | 1027 |
| 1947 | 1026 | 1029 | 1031 | 1034 | 1037 | 1040 | 1029 | 1020 | 1010 | 1000 | 988 | 981 |
| 1948 | 980 | 981 | 984 | 986 | 987 | 991 | 990 | 992 | 1000 | 997 | 979 | 972 |
| 1949 | 970 | 973 | 976 | 979 | 982 | 989 | 982 | 986 | 980 | 967 | 954 | 947 |
| 1950 | 945 | 946 | 948 | 956 | 966 | 975 | 974 | 986 | 992 | 980 | 967 | 960 |
| 1951 | 959 | 995 | 1035 | 1046 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 1000 |
| 1952 | 998 | 1001 | 1008 | 1022 | 1033 | 1046 | 1048 | 1077 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1038 | 1029 | 1016 | 1009 |
| 1954 | 1006 | 1008 | 1011 | 1014 | 1016 | 1023 | 1026 | 1028 | 1019 | 1006 | 992 | 982 |
| 1955 | 980 | 982 | 987 | 992 | 996 | 1000 | 993 | 986 | 982 | 969 | 956 | 947 |
| 1956 | 947 | 950 | 983 | 1011 | 1025 | 1034 | 1025 | 1042 | 1053 | 1047 | 1035 | 1029 |
| 1957 | 1026 | 1028 | 1030 | 1033 | 1037 | 1045 | 1032 | 1029 | 1028 | 1015 | 1002 | 994 |
| 1958 | 989 | 992 | 994 | 1001 | 1009 | 1024 | 1031 | 1051 | 1075 | 1069 | 1059 | 1052 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 979 | 981 | 984 | 987 | 994 | 999 | 996 | 991 | 980 | 968 | 953 | 943 |
| 1961 | 939 | 942 | 946 | 949 | 951 | 954 | 950 | 943 | 931 | 918 | 900 | 889 |
| 1962 | 889 | 892 | 896 | 899 | 916 | 924 | 926 | 934 | 937 | 927 | 910 | 906 |
| 1963 | 896 | 901 | 908 | 921 | 939 | 946 | 947 | 976 | 984 | 975 | 963 | 956 |
| 1964 | 957 | 962 | 966 | 972 | 975 | 979 | 972 | 964 | 956 | 942 | 929 | 921 |
| 1965 | 920 | 924 | 955 | 982 | 996 | 1004 | 1012 | 1013 | 1018 | 1011 | 999 | 993 |
| 1966 | 992 | 996 | 1001 | 1007 | 1012 | 1017 | 1006 | 1004 | 994 | 980 | 966 | 957 |
| 1967 | 957 | 959 | 972 | 986 | 996 | 1007 | 1009 | 1032 | 1060 | 1064 | 1054 | 1048 |
| 1968 | 1046 | 1048 | 1050 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 994 | 984 |
| 1969 | 982 | 987 | 990 | 1020 | 1041 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1039 | 1025 | 1012 | 1005 |
| 1971 | 1003 | 1007 | 1015 | 1022 | 1029 | 1035 | 1026 | 1021 | 1021 | 1011 | 998 | 990 |
| 1972 | 986 | 990 | 997 | 1002 | 1003 | 1007 | 993 | 992 | 982 | 968 | 954 | 947 |
| 1973 | 947 | 950 | 956 | 971 | 991 | 1003 | 1004 | 1022 | 1026 | 1016 | 1006 | 1001 |
| 1974 | 1001 | 1007 | 1017 | 1030 | 1039 | 1053 | 1057 | 1068 | 1067 | 1058 | 1047 | 1040 |
| 1975 | 1039 | 1041 | 1044 | 1047 | 1050 | 1055 | 1050 | 1049 | 1061 | 1053 | 1042 | 1035 |
| 1976 | 1033 | 1036 | 1039 | 1041 | 1043 | 1046 | 1040 | 1031 | 1020 | 1010 | 1000 | 995 |
| 1977 | 995 | 996 | 997 | 998 | 998 | 998 | 989 | 977 | 968 | 956 | 944 | 938 |
| 1978 | 937 | 936 | 940 | 951 | 963 | 984 | 993 | 1011 | 1021 | 1020 | 1010 | 1007 |
| 1979 | 1007 | 1010 | 1013 | 1022 | 1034 | 1048 | 1048 | 1057 | 1052 | 1039 | 1025 | 1018 |
| 1980 | 1019 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 982 | 991 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1011 | 1006 |
| 1985 | 1050 | 1050 | 1015 | 1018 | 1023 | 1029 | 1026 | 1020 | 1010 | 1000 | 990 | 984 |
| 1986 | 984 | 987 | 991 | 1001 | 1049 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1044 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 998 | 998 | 999 | 1000 | 1002 | 1004 | 998 | 988 | 978 | 968 | 959 | 953 |
| 1989 | 952 | 952 | 953 | 954 | 956 | 968 | 964 | 960 | 952 | 940 | 929 | 924 |
| 1990 | 927 | 930 | 934 | 937 | 940 | 945 | 937 | 926 | 911 | 891 | 875 | 866 |
| 1991 | 865 | 866 | 871 | 871 | 871 | 879 | 874 | 869 | 853 | 834 | 817 | 810 |
| 1992 | 811 | 813 | 819 | 822 | 833 | 842 | 834 | 818 | 792 | 762 | 727 | 715 |
| 1993 | 723 | 737 | 755 | 789 | 887 | 941 | 930 | 935 | 945 | 936 | 925 | 921 |
| 1994 | 920 | 921 | 925 | 926 | 927 | 932 | 929 | 926 | 913 | 894 | 877 | 869 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 115 | 98 | 76 | 84 | 97 |
| 80 | 81 | 84 | 80 | 79 | 89 | 103 |
| 100 | 99 | 109 | 121 | 134 | 146 | 157 |
| 135 | 123 | 122 | 106 | 102 | 110 | 124 |
| 116 | 113 | 112 | 123 | 136 | 151 | 165 |
| 135 | 124 | 115 | 104 | 101 | 112 | 125 |
| 107 | 87 | 89 | 87 | 95 | 109 | 123 |
| 120 | 119 | 124 | 127 | 138 | 150 | 162 |
| 155 | 147 | 147 | 152 | 157 | 171 | 192 |
| 187 | 184 | 192 | 205 | 223 | 241 | 260 |
| 224 | 213 | 213 | 177 | 158 | 165 | 183 |
| 177 | 174 | 182 | 186 | 189 | 210 | 232 |
| 218 | 208 | 217 | 231 | 251 | 270 | 297 |
| 283 | 272 | 254 | 211 | 190 | 205 | 225 |
| 174 | 161 | 148 | 125 | 117 | 128 | 141 |
| 124 | 111 | 109 | 85 | 81 | 90 | 101 |
| 65 | 44 | 36 | 9 | 0 | 4 | 13 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 |
| 70 | 53 | 44 | 33 | 41 | 54 | 66 |
| 50 | 40 | 45 | 29 | 23 | 30 | 40 |
| 38 | 33 | 33 | 21 | 7 | 10 | 21 |
| 38 | 33 | 27 | 20 | 21 | 29 | 40 |
| 42 | 38 | 43 | 47 | 53 | 66 | 80 |
| 62 | 53 | 52 | 40 | 34 | 42 | 55 |
| 38 | 34 | 35 | 27 | 30 | 42 | 54 |
| 51 | 48 | 59 | 68 | 78 | 88 | 100 |
| 101 | 97 | 98 | 96 | 88 | 97 | 109 |
| 106 | 99 | 106 | 102 | 108 | 121 | 134 |
| 122 | 113 | 114 | 102 | 96 | 108 | 121 |
| 38 | 33 | 40 | 47 | 55 | 68 | 81 |
| 55 | 42 | 40 | 11 | 0 | 2 | 12 |
| 38 | 34 | 42 | 52 | 50 | 59 | 72 |
| 72 | 65 | 62 | 60 | 69 | 82 | 96 |
| 92 | 88 | 95 | 102 | 106 | 119 | 132 |
| 63 | 54 | 63 | 66 | 35 | 41 | 53 |
| 51 | 43 | 56 | 59 | 60 | 73 | 86 |
| 79 | 64 | 57 | 27 | 13 | 19 | 29 |
| 94 | 89 | 92 | 97 | 108 | 122 | 135 |
| 137 | 134 | 138 | 145 | 157 | 170 | 188 |
| 172 | 164 | 162 | 154 | 151 | 161 | 178 |
| 149 | 142 | 141 | 112 | 104 | 113 | 125 |
| 113 | 109 | 116 | 124 | 132 | 146 | 159 |
| 92 | 84 | 76 | 75 | 70 | 77 | 89 |
| 76 | 71 | 82 | 84 | 94 | 108 | 122 |
| 92 | 81 | 79 | 56 | 28 | 24 | 34 |
| 38 | 34 | 46 | 55 | 66 | 80 | 94 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 41 | 47 | 49 | 63 | 76 |
| 59 | 53 | 62 | 67 | 67 | 77 | 90 |
| 85 | 81 | 65 | 96 | 106 | 120 | 134 |
| 97 | 85 | 84 | 66 | 62 | 72 | 82 |
| 49 | 35 | 31 | 20 | 21 | 30 | 41 |
| 38 | 33 | 38 | 39 | 27 | 35 | 46 |
| 45 | 42 | 48 | 57 | 68 | 78 | 88 |
| 90 | 90 | 99 | 111 | 120 | 132 | 144 |
| 125 | 104 | 95 | 77 | 67 | 68 | 78 |
| 54 | 40 | 40 | 31 | 36 | 49 | 63 |
| 38 | 33 | 32 | 25 | 18 | 20 | 31 |
| 38 | 35 | 43 | 54 | 69 | 83 | 96 |
| 38 | 33 | 17 | 2 | 0 | 4 | 13 |
| 38 | 33 | 32 | 18 | 0 | 0 | 6 |

STUDY: 524

CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 599 | 581 | 579 | 600 | 656 | 690 | 698 | 724 | 781 | 778 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 788 | 792 | 801 | 794 | 779 | 770 |
| 1924 | 764 | 761 | 756 | 755 | 756 | 754 | 748 | 743 | 734 | 722 | 708 | 700 |
| 1925 | 695 | 695 | 696 | 700 | 722 | 739 | 751 | 762 | 780 | 771 | 755 | 744 |
| 1926 | 737 | 734 | 730 | 729 | 738 | 742 | 756 | 768 | 765 | 750 | 734 | 725 |
| 1927 | 717 | 717 | 721 | 729 | 758 | 773 | 784 | 782 | 800 | 793 | 778 | 768 |
| 1928 | 762 | 762 | 762 | 766 | 774 | 792 | 801 | 818 | 818 | 804 | 788 | 779 |
| 1929 | 772 | 767 | 763 | 762 | 766 | 767 | 767 | 770 | 778 | 769 | 759 | 752 |
| 1930 | 747 | 744 | 741 | 742 | 748 | 755 | 756 | 759 | 772 | 763 | 754 | 747 |
| 1931 | 745 | 744 | 743 | 745 | 748 | 747 | 739 | 727 | 715 | 701 | 688 | 680 |
| 1932 | 676 | 671 | 683 | 699 | 736 | 751 | 752 | 756 | 773 | 768 | 752 | 741 |
| 1933 | 734 | 727 | 721 | 720 | 727 | 730 | 726 | 719 | 736 | 725 | 708 | 697 |
| 1934 | 668 | 667 | 664 | 667 | 696 | 707 | 706 | 698 | 694 | 677 | 658 | 648 |
| 1935 | 640 | 640 | 641 | 655 | 682 | 698 | 723 | 734 | 764 | 751 | 734 | 721 |
| 1936 | 713 | 711 | 705 | 711 | 753 | 770 | 779 | 796 | 814 | 804 | 789 | 778 |
| 1937 | 772 | 767 | 763 | 765 | 793 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 738 | 739 | 740 | 735 | 743 | 769 | 758 | 740 | 730 |
| 1949 | 723 | 717 | 712 | 711 | 718 | 729 | 735 | 745 | 752 | 734 | 715 | 702 |
| 1950 | 694 | 687 | 681 | 687 | 706 | 719 | 727 | 737 | 754 | 738 | 720 | 707 |
| 1951 | 701 | 750 | 798 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 770 | 768 | 774 | 781 | 784 | 780 | 784 | 791 | 778 | 766 | 759 |
| 1956 | 753 | 749 | 798 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 799 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 760 | 758 | 755 | 756 | 763 | 769 | 770 | 775 | 778 | 768 | 758 | 752 |
| 1961 | 748 | 746 | 746 | 748 | 750 | 749 | 743 | 733 | 726 | 713 | 701 | 694 |
| 1962 | 691 | 688 | 686 | 687 | 712 | 732 | 742 | 742 | 768 | 761 | 746 | 736 |
| 1963 | 729 | 724 | 720 | 725 | 751 | 762 | 771 | 781 | 806 | 802 | 788 | 779 |
| 1964 | 773 | 774 | 775 | 780 | 786 | 789 | 785 | 781 | 784 | 772 | 761 | 754 |
| 1965 | 750 | 751 | 784 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 744 | 755 | 771 | 788 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 798 | 795 | 783 | 772 | 766 |
| 1973 | 762 | 761 | 763 | 774 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 787 | 777 | 767 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 701 | 687 | 671 | 662 |
| 1978 | 658 | 654 | 657 | 683 | 716 | 748 | 761 | 776 | 813 | 821 | 808 | 802 |
| 1979 | 797 | 794 | 790 | 800 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 789 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 820 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 750 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 708 | 722 | 733 | 747 | 754 | 743 | 732 | 727 |
| 1990 | 725 | 725 | 725 | 727 | 730 | 733 | 730 | 726 | 724 | 709 | 695 | 688 |
| 1991 | 684 | 681 | 676 | 675 | 675 | 684 | 683 | 698 | 709 | 699 | 689 | 683 |
| 1992 | 682 | 682 | 681 | 684 | 693 | 698 | 701 | 707 | 706 | 692 | 677 | 666 |
| 1993 | 660 | 655 | 654 | 689 | 721 | 750 | 758 | 772 | 803 | 802 | 788 | 778 |
| 1994 | 772 | 767 | 762 | 762 | 765 | 768 | 765 | 768 | 766 | 756 | 746 | 740 |

Difference from Maximum Reservoir

Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 142 | 134 | 108 | 51 | 54 | 69 | 80 | |
| 48 | 44 | 40 | 31 | 38 | 53 | 62 | |
| 78 | 84 | 89 | 98 | 110 | 124 | 132 | |
| 93 | 81 | 70 | 52 | 61 | 77 | 88 | |
| 90 | 76 | 64 | 67 | 82 | 98 | 107 | |
| 59 | 48 | 50 | 32 | 39 | 54 | 64 | |
| 40 | 31 | 14 | 14 | 28 | 44 | 53 | |
| 65 | 65 | 62 | 54 | 63 | 73 | 80 | |
| 77 | 76 | 73 | 60 | 69 | 78 | 85 | |
| 85 | 93 | 105 | 117 | 131 | 144 | 152 | |
| 81 | 80 | 76 | 59 | 64 | 80 | 91 | |
| 102 | 106 | 113 | 96 | 107 | 124 | 135 | |
| 125 | 126 | 134 | 138 | 155 | 174 | 184 | |
| 134 | 109 | 98 | 68 | 81 | 98 | 111 | |
| 62 | 53 | 36 | 18 | 28 | 43 | 54 | |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 | |
| 32 | 32 | 28 | 1 | 0 | 13 | 24 | |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 | |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 | |
| 32 | 32 | 20 | 1 | 1 | 15 | 24 | |
| 32 | 30 | 25 | 1 | 0 | 14 | 24 | |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 | |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 | |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 | |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 | |
| 51 | 54 | 50 | 56 | 68 | 82 | 90 | |
| 92 | 97 | 89 | 63 | 74 | 92 | 102 | |
| 103 | 97 | 73 | 74 | 75 | 73 | 71 | |
| 113 | 105 | 95 | 78 | 94 | 112 | 125 | |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 | |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 | |
| 32 | 30 | 28 | 18 | 22 | 36 | 45 | |
| 35 | 30 | 13 | 12 | 27 | 43 | 52 | |
| 48 | 52 | 48 | 41 | 54 | 66 | 73 | |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 | |
| 32 | 32 | 26 | 5 | 18 | 32 | 41 | |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 | |
| 32 | 30 | 32 | 38 | 50 | 62 | 69 | |
| 63 | 62 | 57 | 54 | 64 | 74 | 80 | |
| 83 | 89 | 99 | 106 | 119 | 131 | 138 | |
| 100 | 90 | 90 | 64 | 71 | 86 | 96 | |
| 70 | 61 | 51 | 26 | 30 | 44 | 53 | |
| 43 | 47 | 51 | 48 | 60 | 71 | 78 | |
| 32 | 30 | 25 | 5 | 16 | 25 | 35 | |
| 32 | 31 | 34 | 41 | 56 | 71 | 80 | |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 | |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 | |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 | |
| 32 | 33 | 33 | 25 | 37 | 52 | 61 | |
| 32 | 31 | 31 | 25 | 34 | 46 | 54 | |
| 32 | 32 | 34 | 37 | 49 | 60 | 66 | |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 | |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 | |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 | |
| 33 | 38 | 45 | 55 | 65 | 75 | 81 | |
| 95 | 104 | 117 | 131 | 145 | 161 | 170 | |
| 84 | 71 | 56 | 19 | 11 | 24 | 30 | |
| 32 | 30 | 15 | 0 | 14 | 29 | 38 | |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 | |
| 32 | 30 | 26 | 27 | 39 | 50 | 58 | |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 | |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 | |
| 32 | 35 | 29 | 18 | 31 | 46 | 56 | |
| 32 | 31 | 33 | 37 | 48 | 60 | 66 | |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 | |
| | | | | | | | |

STUDY: **524**
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 867'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 711 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 | |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 | |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 810 | 797 | 779 | 766 | 756 | |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 819 | 840 | 844 | 831 | 815 | 803 | |
| 1926 | 801 | 801 | 802 | 804 | 808 | 812 | 831 | 827 | 826 | 822 | 814 | 806 | |
| 1927 | 802 | 803 | 807 | 807 | 808 | 815 | 817 | 844 | 854 | 849 | 845 | 840 | |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 821 | 815 | 810 | 807 | |
| 1929 | 805 | 804 | 804 | 803 | 805 | 807 | 808 | 811 | 811 | 813 | 816 | 810 | |
| 1930 | 806 | 804 | 804 | 804 | 804 | 800 | 803 | 803 | 807 | 810 | 813 | 811 | |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 794 | 776 | 762 | 752 | |
| 1932 | 750 | 751 | 770 | 782 | 808 | 817 | 826 | 847 | 864 | 854 | 839 | 829 | |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 | |
| 1934 | 789 | 788 | 792 | 797 | 805 | 813 | 819 | 810 | 801 | 784 | 770 | 761 | |
| 1935 | 757 | 761 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 | |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 855 | 861 | 849 | 834 | 823 | |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 | |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 | |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 | |
| 1940 | 777 | 778 | 779 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 | |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 | |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 | |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 | |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 | |
| 1945 | 794 | 800 | 806 | 806 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 | |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 | |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 | |
| 1948 | 789 | 790 | 791 | 793 | 794 | 794 | 798 | 820 | 837 | 823 | 804 | 791 | |
| 1949 | 787 | 786 | 787 | 789 | 793 | 801 | 810 | 831 | 829 | 810 | 790 | 775 | |
| 1950 | 770 | 769 | 769 | 777 | 790 | 793 | 808 | 826 | 827 | 808 | 788 | 773 | |
| 1951 | 769 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 | |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 | |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 | |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 | |
| 1955 | 766 | 765 | 768 | 774 | 779 | 781 | 781 | 803 | 812 | 797 | 780 | 770 | |
| 1956 | 765 | 765 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 | |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 | |
| 1958 | 786 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 | |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 | |
| 1960 | 772 | 771 | 770 | 771 | 783 | 791 | 805 | 818 | 815 | 800 | 786 | 776 | |
| 1961 | 773 | 773 | 775 | 776 | 778 | 779 | 784 | 785 | 777 | 759 | 742 | 730 | |
| 1962 | 729 | 729 | 731 | 734 | 776 | 786 | 809 | 818 | 832 | 819 | 801 | 786 | |
| 1963 | 782 | 782 | 783 | 792 | 808 | 810 | 819 | 841 | 854 | 845 | 830 | 818 | |
| 1964 | 808 | 808 | 808 | 808 | 808 | 807 | 808 | 809 | 816 | 813 | 797 | 780 | 771 |
| 1965 | 765 | 769 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 | |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 828 | 838 | 826 | 804 | 784 | 771 | |
| 1967 | 767 | 769 | 794 | 806 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 | |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 812 | 793 | 777 | 766 | |
| 1969 | 762 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 | |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 821 | 802 | 789 | |
| 1971 | 786 | 788 | 798 | 807 | 808 | 812 | 814 | 826 | 836 | 822 | 804 | 790 | |
| 1972 | 787 | 787 | 794 | 799 | 805 | 816 | 819 | 831 | 831 | 816 | 802 | 795 | |
| 1973 | 793 | 794 | 800 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 | |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 | |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 | |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 768 | 759 | |
| 1977 | 758 | 756 | 754 | 754 | 754 | 749 | 740 | 727 | 716 | 686 | 656 | 632 | |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 | |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 | |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 | |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 | |
| 1982 | 792 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 | |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 | |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 814 | 801 | |
| 1985 | 800 | 803 | 807 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 | |
| 1986 | 797 | 799 | 806 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 | |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 857 | 840 | |
| 1988 | 772 | 773 | 775 | 781 | 785 | 791 | 797 | 801 | 794 | 777 | 763 | 753 | |
| 1989 | 751 | 750 | 753 | 753 | 759 | 775 | 796 | 805 | 802 | 786 | 772 | 763 | |
| 1990 | 765 | 766 | 766 | 769 | 772 | 779 | 789 | 786 | 777 | 761 | 744 | 732 | |
| 1991 | 730 | 729 | 729 | 728 | 728 | 748 | 755 | 775 | 789 | 775 | 762 | 751 | |
| 1992 | 750 | 751 | 752 | 754 | 768 | 774 | 791 | 793 | 781 | 768 | 753 | 742 | |
| 1993 | 740 | 741 | 747 | 792 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 | |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 820 | 812 | 796 | 783 | 773 | |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 |
| 60 | 58 | 57 | 70 | 88 | 101 | 111 | 1 |
| 66 | 48 | 27 | 23 | 36 | 52 | 64 | 1 |
| 55 | 36 | 40 | 41 | 45 | 53 | 61 | 1 |
| 52 | 50 | 23 | 13 | 18 | 22 | 27 | 1 |
| 58 | 59 | 43 | 46 | 52 | 57 | 60 | 1 |
| 60 | 59 | 56 | 56 | 54 | 51 | 57 | 1 |
| 67 | 64 | 64 | 60 | 57 | 54 | 56 | 1 |
| 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 |
| 50 | 41 | 20 | 3 | 13 | 28 | 38 | 1 |
| 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 |
| 54 | 48 | 57 | 66 | 83 | 97 | 106 | 1 |
| 61 | 27 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 12 | 6 | 18 | 33 | 44 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 10 | 22 | 27 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 |
| 73 | 69 | 47 | 30 | 44 | 63 | 76 | 1 |
| 66 | 57 | 36 | 38 | 57 | 77 | 92 | 1 |
| 74 | 59 | 41 | 40 | 59 | 79 | 94 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 |
| 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 |
| 86 | 86 | 64 | 55 | 70 | 87 | 97 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | 1 |
| 76 | 62 | 49 | 52 | 67 | 81 | 91 | 1 |
| 88 | 83 | 82 | 90 | 108 | 125 | 137 | 1 |
| 81 | 58 | 49 | 35 | 48 | 66 | 81 | 1 |
| 57 | 48 | 26 | 13 | 22 | 37 | 49 | 1 |
| 59 | 58 | 51 | 54 | 70 | 87 | 96 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 53 | 39 | 29 | 41 | 63 | 83 | 96 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 50 | 46 | 55 | 74 | 90 | 101 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 46 | 30 | 30 | 46 | 65 | 78 | 1 |
| 55 | 53 | 41 | 31 | 45 | 63 | 77 | 1 |
| 51 | 48 | 36 | 36 | 51 | 65 | 72 | 1 |
| 47 | 39 | 8 | 0 | 15 | 29 | 39 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 99 | 108 | 1 |
| 118 | 127 | 140 | 151 | 181 | 211 | 235 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 4 | 18 | 33 | 47 | 1 |
| 47 | 32 | 8 | 0 | 0 | 12 | 27 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | 1 |
| 47 | 40 | 17 | 19 | 35 | 53 | 66 | 1 |
| 53 | 39 | 26 | 32 | 46 | 60 | 70 | 1 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 | 1 |

STUDY: 524
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 576'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 461 | 471 | 487 | 500 | 506 | 490 | 512 | 530 | 520 | 497 | 480 | 472 |
| 1926 | 474 | 487 | 503 | 517 | 520 | 506 | 548 | 562 | 533 | 492 | 471 | 482 |
| 1927 | 488 | 504 | 525 | 543 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 484 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 478 | 494 | 506 | 517 | 514 | 509 | 524 | 534 | 518 | 488 | 465 | 482 |
| 1931 | 486 | 501 | 512 | 522 | 517 | 508 | 510 | 515 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 469 | 479 | 499 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 494 | 503 | 517 | 549 | 550 | 551 | 548 | 561 | 553 | 512 | 465 | 471 |
| 1941 | 481 | 493 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 481 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 490 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 487 | 503 | 517 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 535 | 541 | 523 | 534 | 551 | 538 | 505 | 476 | 482 |
| 1951 | 490 | 532 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 490 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 557 | 516 | 498 | 481 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 473 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 528 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 479 | 495 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 500 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 553 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 22 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 7 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 |
| 86 | 64 | 46 | 56 | 79 | 96 | 104 | 1 |
| 70 | 28 | 14 | 43 | 84 | 105 | 94 | 1 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 1 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 |
| 67 | 52 | 42 | 58 | 88 | 111 | 94 | 1 |
| 68 | 66 | 61 | 68 | 94 | 110 | 110 | 1 |
| 45 | 52 | 44 | 24 | 58 | 94 | 99 | 1 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 1 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 1 |
| 25 | 28 | 15 | 23 | 64 | 111 | 105 | 1 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | 5 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | 1 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 | 6 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 1 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 4 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 1 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 1 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 1 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 1 |
| 53 | 42 | 25 | 38 | 71 | 100 | 94 | 1 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 1 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 | 4 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 1 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | 1 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | 1 |
| 0 | 15 | 0 | 10 | 52 | 71 | 6 | 6 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | 1 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 | 3 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | 1 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | 1 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | 1 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | 1 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | 2 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | 1 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | 1 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | 1 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | 4 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | 1 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | 1 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | 1 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | 1 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | 1 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 | 2 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 | 1 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 | 1 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 | 1 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 | 1 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 | 1 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 | 3 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 | 2 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 | 1 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 | 6 |
| 92 | 109 | 109 | 93 | 12 | 4 | 0 | 1 |
| 8 | 6 | 6 | 19 | 46 | 89 | 93 | 4 |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 | 1 |
| 24 | 2 | 11 | 0 | 18 | 73 | | |

Joint Point Alternative 5

STUDY: **524**
 CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = **544'**
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 442 | 477 | 521 | 544 | 544 | 543 | 539 | 524 | 475 | 439 | 446 | |
| 1923 | 427 | 503 | 520 | 544 | 544 | 544 | 539 | 516 | 475 | 450 | 428 | 408 | |
| 1924 | 476 | 436 | 463 | 508 | 527 | 527 | 518 | 496 | 464 | 434 | 398 | 392 | |
| 1925 | 393 | 402 | 445 | 476 | 518 | 530 | 526 | 505 | 459 | 441 | 407 | 392 | |
| 1926 | 401 | 416 | 443 | 493 | 533 | 539 | 533 | 512 | 479 | 460 | 394 | 384 | |
| 1927 | 412 | 450 | 487 | 531 | 544 | 544 | 538 | 525 | 490 | 464 | 431 | 428 | |
| 1928 | 460 | 490 | 507 | 540 | 544 | 544 | 536 | 514 | 464 | 439 | 418 | 410 | |
| 1929 | 437 | 459 | 484 | 528 | 544 | 544 | 535 | 522 | 500 | 468 | 436 | 433 | |
| 1930 | 433 | 439 | 483 | 532 | 541 | 544 | 526 | 496 | 466 | 458 | 438 | 416 | |
| 1931 | 420 | 425 | 425 | 467 | 481 | 482 | 474 | 463 | 449 | 424 | 377 | 377 | |
| 1932 | 389 | 386 | 450 | 508 | 536 | 528 | 520 | 500 | 479 | 472 | 442 | 427 | |
| 1933 | 440 | 447 | 450 | 496 | 518 | 526 | 523 | 509 | 480 | 444 | 401 | 400 | |
| 1934 | 414 | 411 | 457 | 509 | 519 | 519 | 506 | 483 | 459 | 441 | 406 | 394 | |
| 1935 | 391 | 411 | 430 | 490 | 496 | 529 | 531 | 502 | 459 | 431 | 377 | 358 | |
| 1936 | 394 | 399 | 402 | 461 | 508 | 528 | 527 | 509 | 472 | 448 | 428 | 410 | |
| 1937 | 439 | 454 | 476 | 524 | 544 | 544 | 544 | 539 | 511 | 472 | 432 | 415 | |
| 1938 | 445 | 477 | 513 | 544 | 544 | 544 | 544 | 544 | 537 | 504 | 471 | 486 | |
| 1939 | 513 | 529 | 544 | 544 | 544 | 544 | 526 | 495 | 463 | 451 | 439 | 419 | |
| 1940 | 424 | 422 | 415 | 480 | 519 | 538 | 531 | 502 | 451 | 413 | 376 | 362 | |
| 1941 | 394 | 423 | 455 | 505 | 536 | 544 | 543 | 543 | 528 | 479 | 441 | 460 | |
| 1942 | 491 | 506 | 531 | 544 | 544 | 544 | 540 | 532 | 524 | 478 | 443 | 459 | |
| 1943 | 490 | 504 | 527 | 544 | 544 | 544 | 544 | 544 | 516 | 473 | 432 | 435 | |
| 1944 | 466 | 496 | 514 | 544 | 544 | 544 | 525 | 493 | 457 | 440 | 427 | 413 | |
| 1945 | 418 | 455 | 489 | 524 | 544 | 544 | 527 | 492 | 454 | 435 | 420 | 408 | |
| 1946 | 446 | 477 | 502 | 541 | 544 | 544 | 527 | 495 | 445 | 413 | 410 | 410 | |
| 1947 | 438 | 467 | 494 | 524 | 544 | 544 | 527 | 492 | 454 | 435 | 420 | 408 | |
| 1948 | 412 | 417 | 417 | 468 | 485 | 508 | 507 | 482 | 438 | 399 | 356 | 358 | |
| 1949 | 379 | 404 | 432 | 481 | 505 | 537 | 519 | 490 | 447 | 426 | 381 | 359 | |
| 1950 | 394 | 408 | 416 | 472 | 514 | 531 | 518 | 491 | 456 | 428 | 372 | 376 | |
| 1951 | 403 | 438 | 476 | 524 | 544 | 544 | 529 | 507 | 461 | 431 | 402 | 403 | |
| 1952 | 427 | 456 | 484 | 522 | 544 | 544 | 544 | 544 | 536 | 510 | 492 | 499 | |
| 1953 | 518 | 539 | 544 | 544 | 544 | 544 | 527 | 511 | 484 | 458 | 436 | 446 | |
| 1954 | 476 | 498 | 517 | 544 | 544 | 544 | 533 | 510 | 454 | 418 | 407 | 408 | |
| 1955 | 434 | 462 | 487 | 517 | 529 | 536 | 518 | 491 | 463 | 457 | 436 | 420 | |
| 1956 | 446 | 458 | 499 | 535 | 544 | 544 | 538 | 528 | 507 | 476 | 444 | 453 | |
| 1957 | 479 | 503 | 511 | 541 | 544 | 544 | 532 | 508 | 471 | 449 | 430 | 421 | |
| 1958 | 452 | 481 | 503 | 537 | 544 | 544 | 544 | 536 | 500 | 481 | 435 | 425 | |
| 1959 | 508 | 529 | 544 | 544 | 544 | 544 | 522 | 488 | 449 | 430 | 413 | 412 | |
| 1960 | 445 | 457 | 462 | 508 | 543 | 544 | 525 | 492 | 458 | 446 | 393 | 365 | |
| 1961 | 398 | 420 | 457 | 501 | 534 | 544 | 523 | 487 | 457 | 446 | 436 | 410 | |
| 1962 | 425 | 439 | 473 | 520 | 544 | 544 | 522 | 485 | 426 | 384 | 331 | 337 | |
| 1963 | 375 | 405 | 432 | 478 | 514 | 531 | 526 | 512 | 478 | 448 | 421 | 425 | |
| 1964 | 456 | 483 | 498 | 530 | 540 | 544 | 518 | 481 | 437 | 413 | 391 | 396 | |
| 1965 | 401 | 431 | 466 | 517 | 542 | 544 | 543 | 530 | 499 | 472 | 438 | 444 | |
| 1966 | 474 | 502 | 519 | 544 | 544 | 544 | 526 | 491 | 435 | 402 | 400 | 403 | |
| 1967 | 428 | 458 | 490 | 524 | 544 | 544 | 544 | 544 | 537 | 525 | 506 | 509 | |
| 1968 | 528 | 544 | 544 | 544 | 544 | 544 | 529 | 495 | 456 | 437 | 422 | 417 | |
| 1969 | 447 | 476 | 507 | 544 | 544 | 544 | 544 | 544 | 537 | 517 | 489 | 503 | |
| 1970 | 517 | 538 | 544 | 544 | 544 | 544 | 534 | 512 | 471 | 450 | 433 | 428 | |
| 1971 | 451 | 482 | 512 | 539 | 544 | 544 | 529 | 508 | 472 | 439 | 416 | 427 | |
| 1972 | 455 | 481 | 493 | 524 | 543 | 544 | 526 | 492 | 451 | 431 | 415 | 407 | |
| 1973 | 431 | 463 | 493 | 525 | 544 | 544 | 534 | 509 | 472 | 441 | 413 | 415 | |
| 1974 | 447 | 475 | 497 | 536 | 544 | 544 | 542 | 531 | 503 | 475 | 451 | 462 | |
| 1975 | 486 | 501 | 520 | 544 | 544 | 544 | 539 | 524 | 498 | 467 | 439 | 449 | |
| 1976 | 475 | 494 | 510 | 541 | 544 | 544 | 526 | 498 | 478 | 472 | 449 | 431 | |
| 1977 | 431 | 437 | 438 | 456 | 456 | 456 | 459 | 446 | 426 | 402 | 394 | 408 | |
| 1978 | 413 | 430 | 480 | 533 | 544 | 544 | 544 | 544 | 526 | 472 | 432 | 447 | |
| 1979 | 478 | 502 | 517 | 544 | 544 | 544 | 536 | 515 | 481 | 461 | 433 | 419 | |
| 1980 | 452 | 484 | 507 | 544 | 544 | 544 | 544 | 527 | 493 | 454 | 470 | 470 | |
| 1981 | 501 | 521 | 542 | 544 | 544 | 544 | 530 | 496 | 457 | 439 | 424 | 411 | |
| 1982 | 435 | 468 | 500 | 535 | 544 | 544 | 544 | 544 | 531 | 494 | 462 | 471 | |
| 1983 | 496 | 515 | 536 | 544 | 544 | 544 | 544 | 544 | 542 | 541 | 528 | 541 | |
| 1984 | 544 | 544 | 544 | 544 | 544 | 544 | 535 | 513 | 477 | 455 | 432 | 428 | |
| 1985 | 462 | 493 | 512 | 542 | 544 | 544 | 520 | 484 | 435 | 407 | 381 | 383 | |
| 1986 | 397 | 392 | 430 | 484 | 520 | 544 | 544 | 544 | 532 | 489 | 457 | 465 | |
| 1987 | 494 | 505 | 531 | 544 | 544 | 544 | 523 | 488 | 460 | 450 | 438 | 415 | |
| 1988 | 424 | 420 | 458 | 508 | 521 | 521 | 511 | 496 | 485 | 465 | 427 | 424 | |
| 1989 | 424 | 439 | 456 | 494 | 494 | 526 | 516 | 485 | 449 | 438 | 385 | 395 | |
| 1990 | 410 | 427 | 455 | 497 | 518 | 522 | 506 | 476 | 458 | 446 | 397 | 383 | |
| 1991 | 383 | 389 | 389 | 404 | 399 | 465 | 465 | 465 | 456 | 439 | 423 | 408 | 410 |
| 1992 | 413 | 427 | 442 | 487 | 517 | 540 | 531 | 514 | 496 | 477 | 438 | 431 | |
| 1993 | 431 | 437 | 482 | 530 | 544 | 544 | 539 | 533 | 518 | 471 | 430 | 428 | |
| 1994 | 461 | 491 | 507 | 540 | 544 | 544 | 521 | 487 | 456 | 444 | 436 | 420 | |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 5 | 20 | 69 | 105 | 98 |
| 0 | 5 | 28 | 69 | 94 | 116 | 136 |
| 17 | 26 | 48 | 80 | 110 | 146 | 152 |
| 14 | 18 | 39 | 85 | 103 | 137 | 152 |
| 5 | 11 | 32 | 65 | 84 | 150 | 160 |
| 0 | 6 | 19 | 54 | 80 | 113 | 116 |
| 0 | 8 | 30 | 80 | 105 | 126 | 134 |
| 0 | 9 | 22 | 44 | 76 | 108 | 111 |
| 0 | 18 | 48 | 78 | 86 | 106 | 128 |
| 62 | 70 | 81 | 95 | 120 | 167 | 177 |
| 16 | 24 | 44 | 65 | 72 | 102 | 117 |
| 18 | 21 | 35 | 64 | 100 | 143 | 144 |
| 25 | 38 | 61 | 85 | 103 | 138 | 150 |
| 15 | 13 | 42 | 85 | 113 | 167 | 186 |
| 16 | 17 | 35 | 72 | 96 | 116 | 134 |
| 0 | 0 | 5 | 33 | 72 | 112 | 129 |
| 0 | 0 | 0 | 7 | 40 | 73 | 58 |
| 0 | 18 | 49 | 81 | 93 | 105 | 125 |
| 6 | 13 | 42 | 93 | 131 | 168 | 182 |
| 0 | 1 | 1 | 16 | 63 | 103 | 84 |
| 0 | 4 | 12 | 20 | 66 | 101 | 85 |
| 0 | 0 | 0 | 28 | 71 | 112 | 109 |
| 0 | 19 | 51 | 87 | 104 | 117 | 131 |
| 0 | 12 | 41 | 80 | 104 | 124 | 133 |
| 0 | 17 | 49 | 99 | 131 | 134 | 134 |
| 0 | 17 | 52 | 90 | 109 | 124 | 136 |
| 36 | 37 | 62 | 106 | 145 | 188 | 186 |
| 7 | 25 | 54 | 97 | 118 | 163 | 185 |
| 13 | 26 | 53 | 88 | 116 | 172 | 168 |
| 0 | 15 | 37 | 83 | 113 | 142 | 141 |
| 0 | 0 | 0 | 8 | 34 | 52 | 45 |
| 0 | 17 | 33 | 60 | 86 | 108 | 98 |
| 0 | 11 | 34 | 90 | 126 | 137 | 136 |
| 8 | 26 | 53 | 81 | 87 | 108 | 124 |
| 0 | 6 | 16 | 37 | 68 | 100 | 91 |
| 0 | 12 | 36 | 73 | 95 | 114 | 123 |
| 0 | 0 | 0 | 8 | 44 | 63 | 49 |
| 0 | 22 | 56 | 95 | 114 | 131 | 132 |
| 0 | 19 | 52 | 86 | 98 | 151 | 179 |
| 0 | 21 | 57 | 87 | 98 | 108 | 134 |
| 0 | 22 | 59 | 118 | 160 | 213 | 207 |
| 13 | 18 | 32 | 66 | 96 | 123 | 119 |
| 0 | 26 | 63 | 107 | 131 | 153 | 148 |
| 0 | 1 | 14 | 45 | 72 | 106 | 100 |
| 0 | 18 | 53 | 109 | 142 | 144 | 141 |
| 0 | 0 | 0 | 7 | 19 | 38 | 35 |
| 0 | 15 | 49 | 88 | 107 | 122 | 127 |
| 0 | 0 | 0 | 7 | 27 | 55 | 41 |
| 0 | 10 | 32 | 73 | 94 | 111 | 116 |
| 0 | 15 | 36 | 72 | 103 | 128 | 117 |
| 0 | 18 | 52 | 93 | 115 | 129 | 137 |
| 0 | 10 | 35 | 72 | 103 | 131 | 129 |
| 0 | 47 | 75 | 141 | 69 | 93 | 82 |
| 0 | 5 | 20 | 46 | 77 | 105 | 95 |
| 0 | 18 | 46 | 66 | 72 | 95 | 113 |
| 88 | 85 | 98 | 118 | 142 | 150 | 136 |
| 0 | 0 | 0 | 18 | 72 | 112 | 97 |
| 0 | 8 | 29 | 63 | 83 | 111 | 125 |
| 0 | 0 | 0 | 17 | 51 | 90 | 74 |
| 0 | 14 | 48 | 87 | 105 | 120 | 133 |
| 0 | 0 | 0 | 13 | 50 | 82 | 73 |
| 0 | 0 | 0 | 2 | 3 | 16 | 3 |
| 0 | 9 | 31 | 67 | 89 | 112 | 116 |
| 0 | 24 | 60 | 109 | 137 | 163 | 161 |
| 0 | 0 | 0 | 12 | 55 | 87 | 79 |
| 0 | 21 | 56 | 84 | 94 | 106 | 129 |
| 23 | 33 | 48 | 59 | 79 | 117 | 120 |
| 18 | 28 | 59 | 95 | 106 | 159 | 149 |
| 22 | 38 | 68 | 86 | 98 | 147 | 161 |
| 79 | 78 | 88 | 105 | 121 | 136 | 134 |
| 4 | 13 | 30 | 48 | | | |

STUDY: 525
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 1067
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 989 | 993 | 999 | 1003 | 1019 | 1038 | 1060 | 1067 | 1062 | 1046 | 1025 | 1019 |
| 1923 | 1017 | 1016 | 1017 | 1022 | 1023 | 1025 | 1037 | 1032 | 1019 | 998 | 981 | 980 |
| 1924 | 980 | 979 | 978 | 978 | 985 | 985 | 973 | 960 | 941 | 919 | 901 | 884 |
| 1925 | 889 | 903 | 912 | 921 | 995 | 1000 | 1032 | 1044 | 1033 | 1010 | 994 | 992 |
| 1926 | 992 | 991 | 988 | 987 | 1016 | 1024 | 1039 | 1033 | 1007 | 986 | 966 | 959 |
| 1927 | 958 | 986 | 1009 | 1034 | 1026 | 1052 | 1067 | 1067 | 1058 | 1041 | 1020 | 1014 |
| 1928 | 1012 | 1017 | 1020 | 1028 | 1044 | 1046 | 1066 | 1063 | 1042 | 1016 | 994 | 988 |
| 1929 | 985 | 987 | 988 | 990 | 997 | 1004 | 1002 | 997 | 989 | 972 | 954 | 947 |
| 1930 | 945 | 944 | 975 | 987 | 1003 | 1026 | 1037 | 1037 | 1017 | 997 | 984 | 982 |
| 1931 | 979 | 978 | 976 | 978 | 981 | 989 | 980 | 970 | 961 | 941 | 927 | 914 |
| 1932 | 908 | 908 | 923 | 935 | 944 | 968 | 971 | 980 | 972 | 958 | 944 | 938 |
| 1933 | 936 | 937 | 937 | 939 | 942 | 975 | 981 | 986 | 983 | 966 | 952 | 946 |
| 1934 | 945 | 944 | 952 | 970 | 989 | 999 | 998 | 993 | 983 | 949 | 930 | 915 |
| 1935 | 909 | 920 | 925 | 945 | 965 | 988 | 1032 | 1039 | 1032 | 1010 | 994 | 989 |
| 1936 | 987 | 984 | 981 | 1006 | 1032 | 1044 | 1053 | 1051 | 1044 | 1020 | 998 | 992 |
| 1937 | 988 | 984 | 980 | 975 | 977 | 1005 | 1035 | 1043 | 1040 | 1017 | 997 | 991 |
| 1938 | 988 | 1010 | 1020 | 1035 | 1030 | 1024 | 1049 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1939 | 1023 | 1017 | 1020 | 1022 | 1024 | 1039 | 1029 | 1022 | 995 | 968 | 936 | 931 |
| 1940 | 926 | 920 | 931 | 984 | 1017 | 1025 | 1059 | 1064 | 1054 | 1033 | 1006 | 1005 |
| 1941 | 1004 | 1004 | 1019 | 1020 | 1024 | 1045 | 1064 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1942 | 1023 | 1017 | 1020 | 1023 | 1028 | 1042 | 1067 | 1067 | 1067 | 1058 | 1043 | 1036 |
| 1943 | 1023 | 1017 | 1022 | 1030 | 1042 | 1051 | 1067 | 1067 | 1059 | 1044 | 1028 | 1022 |
| 1944 | 1021 | 1017 | 1015 | 1014 | 1023 | 1033 | 1038 | 1038 | 1017 | 993 | 969 | 962 |
| 1945 | 964 | 977 | 992 | 999 | 1034 | 1048 | 1059 | 1066 | 1060 | 1038 | 1016 | 1011 |
| 1946 | 1010 | 1017 | 1018 | 1033 | 1039 | 1051 | 1063 | 1065 | 1051 | 1032 | 1016 | 1009 |
| 1947 | 1004 | 1005 | 1005 | 1002 | 1009 | 1028 | 1036 | 1025 | 1009 | 987 | 954 | 948 |
| 1948 | 956 | 959 | 962 | 992 | 992 | 1004 | 1046 | 1067 | 1066 | 1050 | 1030 | 1030 |
| 1949 | 1023 | 1017 | 1016 | 1012 | 1016 | 1050 | 1063 | 1065 | 1044 | 1015 | 993 | 991 |
| 1950 | 987 | 986 | 984 | 995 | 1011 | 1030 | 1046 | 1045 | 1032 | 1011 | 994 | 991 |
| 1951 | 1004 | 1017 | 1020 | 1033 | 1040 | 1057 | 1062 | 1067 | 1051 | 1029 | 1011 | 1007 |
| 1952 | 1005 | 1010 | 1019 | 1032 | 1038 | 1048 | 1058 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1953 | 1023 | 1017 | 1021 | 1022 | 1033 | 1051 | 1065 | 1067 | 1067 | 1057 | 1040 | 1036 |
| 1954 | 1023 | 1017 | 1022 | 1030 | 1035 | 1051 | 1067 | 1064 | 1053 | 1034 | 1019 | 1016 |
| 1955 | 1012 | 1017 | 1022 | 1034 | 1038 | 1024 | 1038 | 1046 | 1024 | 1001 | 981 | 981 |
| 1956 | 980 | 986 | 1017 | 1017 | 1019 | 1048 | 1067 | 1067 | 1067 | 1058 | 1044 | 1036 |
| 1957 | 1023 | 1017 | 1016 | 1017 | 1035 | 1052 | 1054 | 1067 | 1058 | 1040 | 1022 | 1024 |
| 1958 | 1023 | 1017 | 1021 | 1029 | 1067 | 1024 | 1053 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1959 | 1023 | 1017 | 1017 | 1034 | 1039 | 1052 | 1055 | 1054 | 1033 | 1008 | 990 | 992 |
| 1960 | 985 | 983 | 983 | 990 | 1020 | 1048 | 1055 | 1063 | 1044 | 1022 | 1001 | 1000 |
| 1961 | 995 | 998 | 1015 | 1021 | 1044 | 1057 | 1059 | 1065 | 1046 | 1020 | 998 | 998 |
| 1962 | 994 | 995 | 1007 | 1003 | 1035 | 1053 | 1066 | 1067 | 1053 | 1032 | 1010 | 1008 |
| 1963 | 1023 | 1017 | 1021 | 1025 | 1045 | 1055 | 1052 | 1067 | 1062 | 1049 | 1034 | 1032 |
| 1964 | 1023 | 1017 | 1018 | 1033 | 1034 | 1034 | 1029 | 1024 | 1007 | 986 | 963 | 962 |
| 1965 | 961 | 972 | 1017 | 1022 | 1041 | 1053 | 1065 | 1066 | 1056 | 1040 | 1026 | 1024 |
| 1966 | 1023 | 1017 | 1021 | 1037 | 1049 | 1055 | 1060 | 1059 | 1040 | 1018 | 1000 | 994 |
| 1967 | 987 | 1002 | 1021 | 1030 | 1044 | 1048 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1968 | 1023 | 1017 | 1019 | 1025 | 1034 | 1054 | 1053 | 1055 | 1036 | 1013 | 1001 | 1002 |
| 1969 | 998 | 1000 | 1012 | 1022 | 1027 | 1048 | 1063 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1970 | 1023 | 1017 | 1020 | 1017 | 1025 | 1052 | 1052 | 1052 | 1039 | 1018 | 1001 | 999 |
| 1971 | 999 | 1017 | 1020 | 1028 | 1041 | 1043 | 1058 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1972 | 1023 | 1017 | 1022 | 1033 | 1045 | 1056 | 1064 | 1066 | 1047 | 1026 | 1010 | 1008 |
| 1973 | 1009 | 1017 | 1021 | 1030 | 1034 | 1053 | 1065 | 1067 | 1059 | 1042 | 1024 | 1021 |
| 1974 | 1023 | 1017 | 1018 | 1017 | 1036 | 1025 | 1058 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1975 | 1023 | 1017 | 1021 | 1024 | 1045 | 1039 | 1061 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1976 | 1023 | 1017 | 1018 | 1017 | 1012 | 1020 | 1024 | 1022 | 997 | 984 | 980 | 982 |
| 1977 | 984 | 985 | 985 | 985 | 975 | 975 | 957 | 952 | 932 | 913 | 898 | 895 |
| 1978 | 884 | 883 | 923 | 1020 | 1031 | 1047 | 1067 | 1067 | 1064 | 1053 | 1041 | 1036 |
| 1979 | 1023 | 1017 | 1013 | 1016 | 1027 | 1044 | 1051 | 1060 | 1044 | 1025 | 1008 | 1008 |
| 1980 | 1008 | 1011 | 1013 | 1029 | 1019 | 1046 | 1059 | 1064 | 1055 | 1045 | 1034 | 1035 |
| 1981 | 1023 | 1017 | 1020 | 1029 | 1042 | 1056 | 1061 | 1059 | 1037 | 1011 | 992 | 991 |
| 1982 | 990 | 1017 | 1018 | 1033 | 1029 | 1046 | 1051 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1983 | 1023 | 1017 | 1020 | 1022 | 1017 | 1045 | 1050 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1984 | 1023 | 1017 | 1018 | 1034 | 1047 | 1066 | 1061 | 1066 | 1057 | 1041 | 1028 | 1029 |
| 1985 | 1023 | 1017 | 1022 | 1023 | 1027 | 1034 | 1042 | 1035 | 1009 | 988 | 968 | 966 |
| 1986 | 968 | 972 | 985 | 1011 | 1017 | 1029 | 1048 | 1050 | 1039 | 1023 | 1008 | 1011 |
| 1987 | 1011 | 1010 | 1009 | 1010 | 1021 | 1047 | 1043 | 1038 | 1006 | 980 | 948 | 946 |
| 1988 | 942 | 943 | 975 | 998 | 999 | 1002 | 1005 | 1005 | 987 | 959 | 944 | 942 |
| 1989 | 942 | 955 | 962 | 969 | 979 | 1039 | 1058 | 1055 | 1037 | 1016 | 1005 | 1006 |
| 1990 | 1009 | 1007 | 1004 | 1010 | 1010 | 1018 | 1007 | 1014 | 999 | 979 | 963 | 960 |
| 1991 | 955 | 953 | 953 | 954 | 950 | 976 | 986 | 986 | 977 | 964 | 949 | 943 |
| 1992 | 941 | 940 | 941 | 945 | 983 | 1004 | 1012 | 1005 | 990 | 978 | 965 | 959 |
| 1993 | 955 | 952 | 967 | 999 | 1022 | 1031 | 1059 | 1067 | 1067 | 1053 | 1041 | 1041 |
| 1994 | 1040 | 1017 | 1019 | 1020 | 1026 | 1030 | 1028 | 1027 | 1000 | 979 | 954 | 951 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 21 | 42 | 48 |
| 42 | 30 | 35 | 48 | 69 | 86 | 87 |
| 82 | 94 | 107 | 126 | 148 | 166 | 183 |
| 67 | 35 | 23 | 34 | 57 | 73 | 75 |
| 43 | 28 | 34 | 60 | 81 | 101 | 108 |
| 15 | 0 | 0 | 9 | 26 | 47 | 53 |
| 21 | 1 | 4 | 25 | 51 | 73 | 79 |
| 63 | 65 | 70 | 78 | 95 | 113 | 120 |
| 41 | 30 | 30 | 50 | 70 | 83 | 85 |
| 78 | 87 | 97 | 106 | 126 | 140 | 153 |
| 99 | 96 | 87 | 95 | 109 | 123 | 129 |
| 92 | 86 | 81 | 84 | 101 | 115 | 121 |
| 68 | 69 | 74 | 84 | 118 | 137 | 152 |
| 79 | 35 | 28 | 35 | 57 | 73 | 78 |
| 23 | 14 | 16 | 23 | 47 | 69 | 75 |
| 62 | 32 | 24 | 27 | 50 | 70 | 76 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 28 | 38 | 45 | 72 | 99 | 131 | 136 |
| 42 | 8 | 3 | 13 | 34 | 61 | 62 |
| 22 | 3 | 0 | 0 | 9 | 21 | 31 |
| 25 | 0 | 0 | 0 | 9 | 24 | 31 |
| 16 | 0 | 0 | 8 | 23 | 39 | 45 |
| 34 | 29 | 29 | 50 | 74 | 98 | 105 |
| 19 | 8 | 1 | 7 | 29 | 51 | 56 |
| 16 | 4 | 2 | 16 | 35 | 51 | 58 |
| 39 | 31 | 42 | 58 | 80 | 113 | 119 |
| 63 | 21 | 0 | 1 | 17 | 37 | 37 |
| 17 | 4 | 2 | 23 | 52 | 74 | 76 |
| 37 | 21 | 22 | 35 | 56 | 73 | 76 |
| 10 | 5 | 0 | 16 | 38 | 56 | 60 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 10 | 27 | 31 |
| 16 | 0 | 3 | 14 | 33 | 48 | 51 |
| 43 | 29 | 21 | 43 | 66 | 86 | 86 |
| 19 | 0 | 0 | 0 | 9 | 23 | 31 |
| 15 | 13 | 0 | 9 | 27 | 45 | 43 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 15 | 12 | 13 | 34 | 59 | 77 | 75 |
| 19 | 12 | 4 | 23 | 45 | 66 | 67 |
| 10 | 8 | 2 | 21 | 47 | 69 | 69 |
| 14 | 1 | 0 | 14 | 35 | 57 | 59 |
| 12 | 15 | 0 | 5 | 18 | 33 | 35 |
| 33 | 38 | 43 | 60 | 81 | 104 | 105 |
| 14 | 2 | 1 | 11 | 27 | 41 | 43 |
| 12 | 7 | 8 | 27 | 49 | 67 | 73 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 14 | 12 | 31 | 54 | 66 | 65 |
| 19 | 4 | 0 | 0 | 9 | 20 | 31 |
| 15 | 15 | 15 | 28 | 49 | 66 | 68 |
| 21 | 9 | 0 | 0 | 9 | 20 | 31 |
| 14 | 3 | 1 | 20 | 41 | 57 | 59 |
| 14 | 2 | 0 | 8 | 25 | 43 | 46 |
| 42 | 9 | 0 | 0 | 9 | 20 | 31 |
| 28 | 6 | 0 | 0 | 9 | 21 | 31 |
| 47 | 43 | 45 | 70 | 83 | 87 | 85 |
| 92 | 110 | 115 | 135 | 154 | 169 | 172 |
| 20 | 10 | 3 | 14 | 26 | 31 | 31 |
| 23 | 16 | 7 | 23 | 42 | 59 | 59 |
| 21 | 8 | 3 | 12 | 22 | 33 | 32 |
| 11 | 6 | 8 | 30 | 56 | 75 | 76 |
| 21 | 16 | 0 | 0 | 9 | 20 | 31 |
| 22 | 17 | 0 | 0 | | | |

STUDY: 525
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 900'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 833 | 833 | 835 | 844 | 850 | 858 | 893 | 900 | 900 | 871 | 866 | 867 |
| 1923 | 871 | 874 | 858 | 862 | 859 | 872 | 895 | 900 | 881 | 841 | 806 | 809 |
| 1924 | 797 | 785 | 757 | 762 | 781 | 771 | 752 | 740 | 719 | 701 | 691 | 685 |
| 1925 | 685 | 689 | 696 | 712 | 781 | 785 | 813 | 822 | 803 | 776 | 765 | 764 |
| 1926 | 760 | 761 | 763 | 776 | 825 | 845 | 887 | 877 | 856 | 825 | 813 | 795 |
| 1927 | 776 | 807 | 807 | 832 | 849 | 863 | 890 | 900 | 898 | 861 | 843 | 841 |
| 1928 | 838 | 848 | 850 | 861 | 871 | 849 | 878 | 870 | 849 | 800 | 745 | 738 |
| 1929 | 724 | 719 | 717 | 723 | 736 | 753 | 754 | 756 | 749 | 732 | 721 | 714 |
| 1930 | 705 | 701 | 763 | 791 | 819 | 850 | 865 | 872 | 854 | 813 | 773 | 770 |
| 1931 | 761 | 753 | 743 | 757 | 770 | 787 | 768 | 758 | 733 | 714 | 703 | 697 |
| 1932 | 691 | 685 | 690 | 715 | 737 | 773 | 776 | 804 | 782 | 762 | 751 | 745 |
| 1933 | 736 | 724 | 724 | 736 | 746 | 751 | 741 | 756 | 751 | 735 | 725 | 718 |
| 1934 | 714 | 707 | 709 | 736 | 757 | 780 | 766 | 757 | 735 | 713 | 702 | 692 |
| 1935 | 678 | 683 | 689 | 717 | 741 | 770 | 856 | 867 | 853 | 830 | 821 | 806 |
| 1936 | 798 | 788 | 771 | 822 | 849 | 860 | 886 | 897 | 888 | 849 | 826 | 823 |
| 1937 | 809 | 797 | 793 | 796 | 814 | 839 | 864 | 878 | 855 | 830 | 815 | 808 |
| 1938 | 804 | 821 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 898 | 895 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 816 | 809 | 773 | 706 | 654 | 648 |
| 1940 | 637 | 627 | 629 | 703 | 812 | 849 | 879 | 886 | 867 | 826 | 818 | 805 |
| 1941 | 797 | 795 | 838 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 885 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 878 | 874 | 875 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 892 | 854 | 843 | 843 |
| 1944 | 845 | 847 | 846 | 853 | 857 | 868 | 876 | 892 | 871 | 830 | 792 | 786 |
| 1945 | 778 | 785 | 801 | 817 | 859 | 865 | 880 | 896 | 877 | 836 | 811 | 806 |
| 1946 | 806 | 814 | 849 | 864 | 868 | 868 | 887 | 896 | 874 | 834 | 793 | 790 |
| 1947 | 775 | 781 | 789 | 795 | 822 | 844 | 847 | 843 | 826 | 767 | 727 | 720 |
| 1948 | 723 | 725 | 722 | 758 | 801 | 781 | 841 | 870 | 876 | 840 | 822 | 796 |
| 1949 | 789 | 786 | 787 | 792 | 800 | 826 | 845 | 853 | 831 | 797 | 786 | 776 |
| 1950 | 764 | 756 | 753 | 781 | 825 | 855 | 888 | 900 | 886 | 848 | 818 | 814 |
| 1951 | 820 | 849 | 854 | 853 | 858 | 870 | 880 | 894 | 881 | 839 | 803 | 804 |
| 1952 | 808 | 813 | 847 | 849 | 852 | 862 | 894 | 900 | 900 | 900 | 899 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 867 | 864 | 865 |
| 1954 | 867 | 871 | 874 | 858 | 857 | 859 | 883 | 874 | 858 | 814 | 766 | 761 |
| 1955 | 763 | 764 | 773 | 785 | 794 | 807 | 816 | 828 | 802 | 740 | 709 | 705 |
| 1956 | 696 | 693 | 846 | 849 | 849 | 864 | 892 | 900 | 860 | 871 | 867 | 871 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 858 | 876 | 860 | 821 | 782 | 787 |
| 1958 | 790 | 793 | 815 | 836 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 862 | 852 | 862 | 867 | 867 | 870 | 849 | 801 | 749 | 753 |
| 1960 | 743 | 732 | 727 | 741 | 804 | 847 | 846 | 852 | 833 | 783 | 771 | 765 |
| 1961 | 754 | 756 | 765 | 777 | 807 | 829 | 829 | 834 | 812 | 762 | 748 | 738 |
| 1962 | 722 | 719 | 728 | 743 | 802 | 831 | 865 | 869 | 854 | 811 | 773 | 755 |
| 1963 | 823 | 831 | 856 | 859 | 867 | 858 | 876 | 900 | 891 | 855 | 838 | 839 |
| 1964 | 840 | 851 | 854 | 864 | 873 | 874 | 879 | 879 | 864 | 823 | 772 | 741 |
| 1965 | 727 | 728 | 849 | 849 | 863 | 870 | 887 | 889 | 892 | 856 | 847 | 848 |
| 1966 | 852 | 859 | 860 | 864 | 870 | 874 | 880 | 873 | 853 | 809 | 758 | 752 |
| 1967 | 737 | 749 | 787 | 841 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 856 | 860 | 841 | 790 | 757 | 754 |
| 1969 | 755 | 760 | 783 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 864 | 866 | 852 | 810 | 777 | 779 |
| 1971 | 781 | 808 | 839 | 864 | 874 | 874 | 892 | 900 | 900 | 869 | 846 | 848 |
| 1972 | 853 | 859 | 865 | 869 | 867 | 874 | 882 | 886 | 866 | 826 | 780 | 781 |
| 1973 | 777 | 792 | 819 | 849 | 849 | 860 | 882 | 900 | 870 | 830 | 814 | 810 |
| 1974 | 814 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 887 | 886 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 874 | 873 | 874 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 864 | 842 | 797 | 758 | 757 |
| 1977 | 749 | 739 | 723 | 719 | 704 | 699 | 656 | 645 | 616 | 592 | 583 | 580 |
| 1978 | 568 | 568 | 605 | 736 | 791 | 859 | 878 | 897 | 892 | 871 | 862 | 869 |
| 1979 | 872 | 874 | 874 | 871 | 853 | 863 | 876 | 894 | 864 | 825 | 814 | 811 |
| 1980 | 817 | 821 | 830 | 850 | 849 | 865 | 881 | 893 | 888 | 870 | 863 | 862 |
| 1981 | 861 | 862 | 870 | 860 | 868 | 865 | 869 | 867 | 845 | 797 | 758 | 758 |
| 1982 | 763 | 845 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 887 | 884 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 899 | 897 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 881 | 890 | 873 | 835 | 822 | 823 |
| 1985 | 827 | 841 | 851 | 857 | 870 | 871 | 886 | 875 | 852 | 809 | 758 | 744 |
| 1986 | 734 | 730 | 737 | 772 | 849 | 849 | 871 | 875 | 871 | 843 | 830 | 841 |
| 1987 | 843 | 849 | 847 | 848 | 859 | 867 | 856 | 846 | 819 | 758 | 713 | 708 |
| 1988 | 695 | 698 | 733 | 765 | 768 | 768 | 767 | 760 | 738 | 718 | 705 | 703 |
| 1989 | 694 | 713 | 723 | 730 | 730 | 843 | 869 | 863 | 846 | 800 | 791 | 788 |
| 1990 | 794 | 795 | 779 | 792 | 800 | 824 | 804 | 804 | 779 | 730 | 717 | 711 |
| 1991 | 693 | 685 | 669 | 667 | 654 | 706 | 717 | 732 | 717 | 698 | 692 | 690 |
| 1992 | 686 | 683 | 684 | 687 | 719 | 749 | 764 | 754 | 726 | 701 | 689 | 683 |
| 1993 | 675 | 669 | 688 | 756 | 808 | 861 | 894 | 900 | 873 | 869 | 867 | 867 |
| 1994 | 873 | 874 | 874 | 871 | 862 | 874 | 868 | 865 | 843 | 799 | 753 | 748 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 29 | 34 | 33 |
| 28 | 5 | 0 | 19 | 59 | 94 | 91 |
| 129 | 148 | 160 | 181 | 199 | 209 | 215 |
| 115 | 87 | 78 | 97 | 124 | 135 | 136 |
| 55 | 13 | 23 | 44 | 75 | 87 | 105 |
| 37 | 10 | 0 | 2 | 39 | 57 | 59 |
| 51 | 22 | 30 | 51 | 100 | 155 | 162 |
| 147 | 146 | 144 | 151 | 168 | 179 | 186 |
| 50 | 35 | 28 | 46 | 87 | 127 | 130 |
| 113 | 132 | 142 | 167 | 186 | 197 | 203 |
| 127 | 124 | 96 | 118 | 138 | 149 | 155 |
| 149 | 159 | 144 | 149 | 165 | 175 | 182 |
| 120 | 134 | 143 | 165 | 187 | 198 | 208 |
| 130 | 44 | 33 | 47 | 70 | 79 | 94 |
| 40 | 14 | 3 | 12 | 51 | 74 | 77 |
| 61 | 36 | 22 | 45 | 70 | 85 | 92 |
| 51 | 18 | 0 | 2 | 25 | 53 | 1 |
| 67 | 84 | 91 | 127 | 194 | 246 | 252 |
| 51 | 21 | 14 | 33 | 74 | 82 | 95 |
| 42 | 14 | 0 | 0 | 10 | 15 | 13 |
| 33 | 18 | 0 | 0 | 22 | 26 | 25 |
| 41 | 13 | 3 | 8 | 46 | 57 | 57 |
| 32 | 24 | 8 | 29 | 70 | 108 | 114 |
| 35 | 20 | 4 | 23 | 64 | 89 | 94 |
| 32 | 13 | 4 | 26 | 66 | 107 | 110 |
| 56 | 53 | 57 | 74 | 133 | 173 | 180 |
| 119 | 59 | 30 | 24 | 60 | 78 | 104 |
| 74 | 55 | 47 | 69 | 103 | 114 | 124 |
| 45 | 12 | 0 | 14 | 52 | 82 | 86 |
| 30 | 20 | 6 | 19 | 61 | 97 | 96 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 |
| 33 | 17 | 0 | 0 | 33 | 36 | 35 |
| 41 | 17 | 26 | 42 | 86 | 134 | 139 |
| 93 | 84 | 72 | 98 | 160 | 191 | 195 |
| 36 | 8 | 0 | 0 | 29 | 33 | 29 |
| 37 | 42 | 24 | 40 | 79 | 118 | 113 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 33 | 30 | 30 | 59 | 151 | 147 |
| 53 | 54 | 48 | 67 | 117 | 129 | 135 |
| 71 | 71 | 66 | 88 | 138 | 152 | 162 |
| 69 | 35 | 31 | 46 | 89 | 127 | 145 |
| 42 | 24 | 0 | 9 | 45 | 62 | 61 |
| 26 | 21 | 21 | 36 | 77 | 128 | 159 |
| 30 | 13 | 11 | 8 | 44 | 53 | 52 |
| 26 | 20 | 27 | 47 | 91 | 142 | 148 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 44 | 40 | 59 | 110 | 143 | 146 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 |
| 26 | 36 | 34 | 48 | 90 | 123 | 121 |
| 26 | 8 | 0 | 0 | 31 | 54 | 52 |
| 26 | 18 | 14 | 34 | 74 | 120 | 119 |
| 40 | 18 | 0 | 30 | 70 | 86 | 90 |
| 51 | 17 | 0 | 0 | 13 | 14 | 14 |
| 48 | 19 | 0 | 0 | 26 | 27 | 26 |
| 26 | 29 | 36 | 58 | 103 | 142 | 143 |
| 201 | 244 | 255 | 284 | 308 | 317 | 320 |
| 41 | 22 | 3 | 8 | 29 | 38 | 31 |
| 37 | 24 | 6 | 36 | 75 | 86 | 89 |
| 35 | 19 | 7 | 12 | 30 | 37 | 38 |
| 35 | 31 | 33 | 55 | 103 | 142 | 142 |
| 41 | 16 | 0 | 0 | 13 | 16 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 19 | 10 | 27 | 65 | 78 | 77 |
| 29 | 14 | 25 | 48 | 91 | 142 | 156 |
| 51 | 29 | 25 | 29 | 57 | 70 | 59 |
| 33 | 44 | 54 | 81 | 142 | 187 | 192 |
| 132 | 133 | 140 | 162 | 182 | 195 | 197 |
| 57 | 31 | 31 | 67 | 100 | 109 | 112 |
| 76 | 96 | 96 | 121 | 170 | 183 | 189 |
| 194 | 183 | 168 | 183 | 202 | 208 | 210 |
| 151 | 136 | 146 | 1 | | | |

STUDY: 525
CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 466'

Table with columns for years (1922-1994) and months (OCT-SEP) showing reservoir elevation in feet. Includes a 73-year average row at the bottom.

Difference from Maximum Reservoir Elevation [DFMRE]

Table with columns for years (1922-1994) and months (MAR-SEP) showing the difference from maximum reservoir elevation. Includes a 73-year average row at the bottom.

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
If [DFMRE] <= 5', then 5, else
If [DFMRE] <= 10', then 4, else
If [DFMRE] <= 15', then 3, else
If [DFMRE] <= 20', then 2, else 1

Reservoir Change from Previous Month [fluctuation]

Table with columns for years (1922-1994) and months (MAR-SEP) showing reservoir change from the previous month. Includes a 73-year average row at the bottom.

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
If [fluctuation] >= -5', then 5, else
If [fluctuation] >= -10', then 4, else
If [fluctuation] >= -15', then 3, else
If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index =

Table with columns for years (1922-1994) and months (MAR-SEP) showing the Largemouth Bass Reservoir Habitat Index. Includes a 73-year average row at the bottom.

STUDY: 525

CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 939 | 941 | 945 | 949 | 962 | 971 | 970 | 998 | 1022 | 1015 | 1005 | 999 |
| 1923 | 998 | 1000 | 1006 | 1013 | 1018 | 1021 | 1023 | 1038 | 1040 | 1033 | 1022 | 1016 |
| 1924 | 1016 | 1017 | 1019 | 1022 | 1024 | 1023 | 1018 | 1010 | 1000 | 990 | 984 | 981 |
| 1925 | 979 | 981 | 984 | 986 | 1000 | 1008 | 1010 | 1024 | 1026 | 1020 | 1011 | 1007 |
| 1926 | 1005 | 1006 | 1008 | 1009 | 1015 | 1020 | 1021 | 1016 | 1006 | 994 | 985 | 978 |
| 1927 | 977 | 979 | 987 | 992 | 1005 | 1013 | 1019 | 1031 | 1038 | 1028 | 1018 | 1013 |
| 1928 | 1013 | 1017 | 1020 | 1022 | 1028 | 1045 | 1046 | 1054 | 1047 | 1035 | 1027 | 1022 |
| 1929 | 1022 | 1023 | 1025 | 1026 | 1029 | 1029 | 1026 | 1023 | 1015 | 1005 | 999 | 994 |
| 1930 | 994 | 995 | 997 | 999 | 1003 | 1008 | 1009 | 1004 | 1000 | 990 | 980 | 973 |
| 1931 | 973 | 975 | 977 | 979 | 981 | 983 | 978 | 969 | 957 | 946 | 938 | 934 |
| 1932 | 932 | 933 | 939 | 943 | 955 | 961 | 959 | 979 | 992 | 984 | 971 | 964 |
| 1933 | 963 | 964 | 967 | 969 | 970 | 971 | 966 | 961 | 958 | 944 | 935 | 928 |
| 1934 | 927 | 930 | 932 | 935 | 940 | 945 | 939 | 928 | 913 | 896 | 884 | 875 |
| 1935 | 871 | 872 | 874 | 879 | 884 | 891 | 906 | 934 | 946 | 935 | 922 | 912 |
| 1936 | 909 | 912 | 915 | 926 | 947 | 957 | 967 | 987 | 994 | 983 | 969 | 962 |
| 1937 | 960 | 962 | 965 | 968 | 979 | 991 | 991 | 1009 | 1012 | 1002 | 991 | 984 |
| 1938 | 983 | 985 | 995 | 1003 | 1020 | 1041 | 1055 | 1084 | 1088 | 1087 | 1079 | 1075 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1043 | 1033 | 1024 | 1017 | 1012 |
| 1940 | 1011 | 1011 | 1012 | 1022 | 1036 | 1052 | 1059 | 1074 | 1074 | 1065 | 1056 | 1052 |
| 1941 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1073 | 1081 | 1076 | 1068 | 1063 |
| 1942 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1060 | 1076 | 1088 | 1087 | 1079 | 1074 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1066 | 1075 | 1080 | 1074 | 1065 | 1060 |
| 1944 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1049 | 1049 | 1045 | 1035 | 1027 | 1021 |
| 1945 | 1021 | 1025 | 1028 | 1032 | 1045 | 1052 | 1052 | 1063 | 1071 | 1065 | 1056 | 1051 |
| 1946 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1060 | 1071 | 1070 | 1061 | 1052 | 1048 |
| 1947 | 1047 | 1050 | 1050 | 1050 | 1050 | 1054 | 1050 | 1045 | 1036 | 1025 | 1018 | 1014 |
| 1948 | 1014 | 1015 | 1016 | 1017 | 1019 | 1021 | 1021 | 1025 | 1034 | 1025 | 1017 | 1013 |
| 1949 | 1012 | 1014 | 1016 | 1017 | 1019 | 1023 | 1023 | 1027 | 1023 | 1012 | 1005 | 1001 |
| 1950 | 999 | 999 | 1001 | 1005 | 1012 | 1018 | 1021 | 1035 | 1038 | 1029 | 1022 | 1018 |
| 1951 | 1017 | 1044 | 1050 | 1050 | 1050 | 1055 | 1058 | 1064 | 1060 | 1050 | 1041 | 1036 |
| 1952 | 1034 | 1037 | 1042 | 1050 | 1050 | 1055 | 1062 | 1088 | 1088 | 1088 | 1080 | 1075 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1054 | 1054 | 1061 | 1056 | 1049 | 1045 |
| 1954 | 1044 | 1046 | 1048 | 1050 | 1050 | 1055 | 1059 | 1068 | 1063 | 1054 | 1047 | 1042 |
| 1955 | 1041 | 1043 | 1045 | 1049 | 1050 | 1052 | 1048 | 1044 | 1041 | 1031 | 1023 | 1018 |
| 1956 | 1017 | 1019 | 1043 | 1050 | 1050 | 1055 | 1059 | 1076 | 1088 | 1084 | 1075 | 1071 |
| 1957 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1053 | 1058 | 1061 | 1053 | 1046 | 1040 |
| 1958 | 1037 | 1039 | 1040 | 1046 | 1050 | 1055 | 1066 | 1088 | 1088 | 1084 | 1076 | 1071 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1050 | 1041 | 1032 | 1022 | 1015 | 1011 |
| 1960 | 1010 | 1012 | 1013 | 1015 | 1019 | 1025 | 1023 | 1017 | 1009 | 998 | 991 | 983 |
| 1961 | 978 | 982 | 985 | 986 | 989 | 991 | 987 | 980 | 968 | 956 | 949 | 944 |
| 1962 | 943 | 944 | 946 | 947 | 957 | 962 | 964 | 970 | 973 | 963 | 953 | 946 |
| 1963 | 945 | 947 | 950 | 957 | 974 | 980 | 979 | 1003 | 1011 | 1003 | 993 | 987 |
| 1964 | 986 | 990 | 993 | 997 | 1000 | 1002 | 999 | 994 | 986 | 972 | 963 | 956 |
| 1965 | 954 | 957 | 986 | 1007 | 1018 | 1025 | 1034 | 1048 | 1057 | 1053 | 1044 | 1039 |
| 1966 | 1037 | 1042 | 1046 | 1050 | 1050 | 1053 | 1052 | 1055 | 1045 | 1034 | 1027 | 1021 |
| 1967 | 1020 | 1021 | 1030 | 1039 | 1048 | 1055 | 1062 | 1084 | 1088 | 1088 | 1080 | 1075 |
| 1968 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1051 | 1048 | 1039 | 1029 | 1021 | 1015 |
| 1969 | 1015 | 1018 | 1020 | 1048 | 1050 | 1055 | 1071 | 1088 | 1088 | 1087 | 1078 | 1072 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1054 | 1060 | 1061 | 1051 | 1042 | 1037 |
| 1971 | 1036 | 1040 | 1046 | 1050 | 1050 | 1055 | 1055 | 1061 | 1065 | 1059 | 1052 | 1048 |
| 1972 | 1047 | 1050 | 1050 | 1050 | 1050 | 1055 | 1051 | 1055 | 1047 | 1036 | 1029 | 1024 |
| 1973 | 1024 | 1026 | 1029 | 1040 | 1050 | 1055 | 1055 | 1069 | 1072 | 1062 | 1052 | 1048 |
| 1974 | 1047 | 1050 | 1050 | 1050 | 1050 | 1055 | 1064 | 1080 | 1086 | 1079 | 1069 | 1065 |
| 1975 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1063 | 1077 | 1071 | 1063 | 1058 |
| 1976 | 1050 | 1050 | 1050 | 1050 | 1050 | 1051 | 1046 | 1039 | 1028 | 1019 | 1013 | 1008 |
| 1977 | 1007 | 1008 | 1009 | 1009 | 1009 | 1008 | 1003 | 997 | 989 | 977 | 970 | 965 |
| 1978 | 962 | 962 | 964 | 973 | 983 | 1000 | 1006 | 1020 | 1030 | 1028 | 1018 | 1015 |
| 1979 | 1014 | 1016 | 1019 | 1026 | 1037 | 1050 | 1050 | 1064 | 1061 | 1051 | 1041 | 1036 |
| 1980 | 1036 | 1038 | 1040 | 1050 | 1050 | 1055 | 1061 | 1070 | 1080 | 1080 | 1071 | 1066 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1051 | 1045 | 1033 | 1022 | 1016 | 1012 |
| 1982 | 1012 | 1018 | 1032 | 1050 | 1050 | 1055 | 1071 | 1088 | 1088 | 1087 | 1079 | 1075 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1077 | 1088 | 1088 | 1083 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1055 | 1061 | 1060 | 1053 | 1046 | 1042 |
| 1985 | 1042 | 1046 | 1050 | 1050 | 1050 | 1054 | 1052 | 1050 | 1040 | 1030 | 1024 | 1020 |
| 1986 | 1020 | 1022 | 1025 | 1033 | 1050 | 1055 | 1060 | 1068 | 1074 | 1066 | 1058 | 1056 |
| 1987 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1047 | 1038 | 1027 | 1019 | 1015 | 1012 |
| 1988 | 1010 | 1010 | 1010 | 1011 | 1012 | 1014 | 1009 | 1002 | 994 | 986 | 982 | 977 |
| 1989 | 975 | 974 | 975 | 975 | 977 | 988 | 986 | 981 | 973 | 961 | 955 | 952 |
| 1990 | 953 | 956 | 959 | 961 | 964 | 968 | 961 | 949 | 937 | 925 | 919 | 912 |
| 1991 | 909 | 910 | 914 | 914 | 914 | 922 | 917 | 911 | 895 | 876 | 866 | 861 |
| 1992 | 861 | 862 | 867 | 870 | 878 | 886 | 878 | 860 | 841 | 823 | 813 | 805 |
| 1993 | 806 | 810 | 815 | 832 | 924 | 969 | 977 | 989 | 997 | 987 | 976 | 972 |
| 1994 | 969 | 970 | 973 | 973 | 974 | 978 | 975 | 970 | 960 | 948 | 942 | 939 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 126 | 117 | 118 | 90 | 66 | 73 | 83 | |
| 70 | 67 | 65 | 50 | 48 | 55 | 66 | |
| 64 | 65 | 70 | 78 | 88 | 98 | 104 | |
| 88 | 80 | 78 | 64 | 62 | 68 | 77 | |
| 73 | 68 | 67 | 72 | 82 | 94 | 103 | |
| 83 | 75 | 69 | 57 | 50 | 60 | 70 | |
| 60 | 43 | 42 | 34 | 41 | 53 | 61 | |
| 59 | 59 | 62 | 65 | 73 | 83 | 89 | |
| 85 | 80 | 79 | 84 | 88 | 98 | 108 | |
| 107 | 105 | 110 | 119 | 131 | 142 | 150 | |
| 133 | 127 | 129 | 109 | 96 | 104 | 117 | |
| 118 | 117 | 122 | 127 | 130 | 144 | 153 | |
| 148 | 143 | 149 | 160 | 175 | 192 | 204 | |
| 204 | 197 | 182 | 154 | 142 | 153 | 166 | |
| 141 | 131 | 121 | 101 | 94 | 105 | 119 | |
| 109 | 97 | 97 | 79 | 76 | 86 | 97 | |
| 68 | 47 | 33 | 4 | 0 | 1 | 9 | |
| 38 | 36 | 38 | 45 | 55 | 64 | 71 | |
| 52 | 36 | 29 | 14 | 14 | 23 | 32 | |
| 38 | 33 | 32 | 15 | 7 | 12 | 20 | |
| 38 | 33 | 28 | 12 | 0 | 1 | 9 | |
| 38 | 33 | 22 | 13 | 8 | 14 | 23 | |
| 38 | 35 | 39 | 39 | 43 | 53 | 61 | |
| 43 | 36 | 36 | 25 | 17 | 23 | 32 | |
| 38 | 34 | 28 | 17 | 18 | 27 | 36 | |
| 38 | 34 | 38 | 43 | 52 | 63 | 70 | |
| 69 | 67 | 67 | 63 | 54 | 63 | 71 | |
| 69 | 65 | 65 | 61 | 65 | 76 | 83 | |
| 76 | 70 | 67 | 53 | 50 | 59 | 66 | |
| 38 | 33 | 30 | 24 | 28 | 38 | 47 | |
| 38 | 33 | 26 | 0 | 0 | 0 | 8 | |
| 38 | 34 | 34 | 34 | 27 | 32 | 39 | |
| 38 | 33 | 29 | 20 | 25 | 34 | 41 | |
| 38 | 36 | 40 | 44 | 47 | 57 | 65 | |
| 38 | 33 | 29 | 12 | 0 | 4 | 13 | |
| 38 | 33 | 35 | 30 | 27 | 35 | 42 | |
| 38 | 33 | 22 | 0 | 0 | 4 | 12 | |
| 38 | 35 | 38 | 47 | 56 | 66 | 73 | |
| 69 | 63 | 65 | 71 | 79 | 90 | 97 | |
| 99 | 97 | 101 | 108 | 120 | 132 | 139 | |
| 131 | 126 | 124 | 118 | 115 | 125 | 135 | |
| 114 | 108 | 109 | 85 | 77 | 85 | 95 | |
| 88 | 86 | 89 | 94 | 102 | 116 | 125 | |
| 70 | 63 | 54 | 40 | 31 | 35 | 44 | |
| 38 | 35 | 36 | 33 | 43 | 54 | 61 | |
| 42 | 33 | 26 | 4 | 0 | 0 | 8 | |
| 38 | 34 | 37 | 40 | 49 | 59 | 67 | |
| 38 | 33 | 17 | 0 | 0 | 1 | 10 | |
| 38 | 33 | 34 | 28 | 27 | 37 | 46 | |
| 38 | 33 | 33 | 27 | 23 | 29 | 36 | |
| 38 | 33 | 37 | 33 | 41 | 52 | 59 | |
| 38 | 33 | 33 | 19 | 16 | 26 | 36 | |
| 38 | 33 | 24 | 8 | 2 | 9 | 19 | |
| 38 | 33 | 33 | 25 | 11 | 17 | 25 | |
| 38 | 37 | 42 | 49 | 60 | 69 | | |

STUDY: 525

CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 832'

Table with columns for Year (1922-1994) and months (OCT-SEP) showing Reservoir Elevation in feet. Values range from approximately 746 to 832 feet.

Difference from Maximum Reservoir Elevation [DFMRE]

Table with columns for Month (MAR-SEP) and Year (1922-1994) showing the difference from maximum reservoir elevation. Values range from -14 to 15.

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
If [DFMRE] <= 5', then 5, else
If [DFMRE] <= 10', then 4, else
If [DFMRE] <= 15', then 3, else
If [DFMRE] <= 20', then 2, else 1

Table with columns for Month (MAR-SEP) and Year (1922-1994) showing the reservoir elevation score based on the DFMRE criteria. Values range from 1 to 6.

Reservoir Change from Previous Month [fluctuation]

Reservoir Change from Previous Month [fluctuation]

Table with columns for Month (MAR-SEP) and Year (1922-1994) showing the change in reservoir elevation from the previous month. Values range from -11 to 9.

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
If [fluctuation] >= -5', then 5, else
If [fluctuation] >= -10', then 4, else
If [fluctuation] >= -15', then 3, else
If [fluctuation] >= -20', then 2, else 1

Table with columns for Month (MAR-SEP) and Year (1922-1994) showing the reservoir fluctuation score based on the fluctuation criteria. Values range from 1 to 6.

Largemouth Bass Reservoir Habitat Index =

Largemouth Bass Reservoir Habitat Index =

Table with columns for Month (MAR-SEP) and Year (1922-1994) showing the habitat index score. Values range from 231 to 238.

73 - year Average: 11

73 - year Average: 34

1929 - '34 Average: 231

STUDY: 525
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 867
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 680 | 680 | 696 | 712 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 811 | 798 | 781 | 767 | 758 |
| 1925 | 758 | 762 | 767 | 772 | 796 | 804 | 823 | 847 | 851 | 838 | 823 | 811 |
| 1926 | 808 | 808 | 808 | 808 | 808 | 814 | 834 | 832 | 831 | 827 | 820 | 812 |
| 1927 | 808 | 808 | 808 | 808 | 808 | 815 | 818 | 849 | 860 | 855 | 852 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 823 | 821 | 814 | 810 | 807 |
| 1929 | 807 | 807 | 805 | 805 | 807 | 808 | 809 | 813 | 813 | 815 | 818 | 812 |
| 1930 | 808 | 807 | 807 | 807 | 807 | 802 | 806 | 808 | 812 | 815 | 818 | 816 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 810 | 812 | 800 | 783 | 769 | 760 |
| 1932 | 759 | 760 | 777 | 788 | 808 | 817 | 826 | 851 | 867 | 857 | 843 | 832 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 816 | 824 | 839 | 827 | 812 | 804 |
| 1934 | 803 | 802 | 805 | 808 | 808 | 816 | 823 | 818 | 809 | 793 | 780 | 770 |
| 1935 | 769 | 773 | 778 | 796 | 806 | 816 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 778 | 778 | 780 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 837 | 840 | 826 | 809 | 796 |
| 1945 | 793 | 800 | 805 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 829 | 814 | 799 | 790 |
| 1948 | 789 | 791 | 792 | 793 | 795 | 794 | 799 | 822 | 839 | 825 | 807 | 793 |
| 1949 | 791 | 790 | 791 | 792 | 796 | 804 | 814 | 835 | 834 | 815 | 796 | 781 |
| 1950 | 778 | 777 | 777 | 785 | 797 | 809 | 817 | 837 | 838 | 820 | 801 | 787 |
| 1951 | 784 | 808 | 808 | 808 | 808 | 819 | 827 | 836 | 833 | 815 | 795 | 780 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 815 | 823 | 808 | 789 | 774 |
| 1954 | 771 | 771 | 771 | 774 | 784 | 798 | 814 | 832 | 825 | 804 | 784 | 768 |
| 1955 | 765 | 764 | 767 | 773 | 778 | 780 | 781 | 803 | 812 | 797 | 780 | 771 |
| 1956 | 768 | 768 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 837 | 821 | 803 | 789 |
| 1958 | 786 | 786 | 791 | 796 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 825 | 816 | 797 | 780 | 772 |
| 1960 | 772 | 771 | 770 | 771 | 783 | 791 | 805 | 818 | 815 | 800 | 786 | 777 |
| 1961 | 775 | 776 | 778 | 778 | 781 | 782 | 788 | 792 | 783 | 765 | 750 | 738 |
| 1962 | 737 | 737 | 740 | 742 | 782 | 792 | 814 | 830 | 843 | 830 | 814 | 800 |
| 1963 | 799 | 799 | 799 | 807 | 808 | 814 | 823 | 848 | 861 | 852 | 837 | 826 |
| 1964 | 808 | 808 | 808 | 808 | 808 | 808 | 811 | 820 | 818 | 802 | 786 | 777 |
| 1965 | 774 | 778 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 827 | 837 | 825 | 803 | 783 | 770 |
| 1967 | 767 | 769 | 794 | 806 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 816 | 821 | 811 | 793 | 776 | 765 |
| 1969 | 762 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 820 | 836 | 837 | 820 | 801 | 788 |
| 1971 | 785 | 788 | 798 | 806 | 808 | 812 | 813 | 825 | 835 | 821 | 803 | 789 |
| 1972 | 786 | 787 | 794 | 799 | 805 | 815 | 818 | 831 | 832 | 811 | 802 | 796 |
| 1973 | 796 | 797 | 803 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 807 | 809 | 797 | 780 | 767 | 758 |
| 1977 | 757 | 755 | 754 | 754 | 753 | 749 | 739 | 727 | 716 | 686 | 656 | 633 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 793 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 831 | 813 | 800 |
| 1985 | 799 | 802 | 806 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 |
| 1986 | 797 | 800 | 806 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 810 | 795 | 781 | 773 |
| 1988 | 772 | 773 | 775 | 780 | 785 | 790 | 796 | 800 | 793 | 776 | 762 | 752 |
| 1989 | 750 | 749 | 752 | 753 | 758 | 774 | 796 | 807 | 803 | 788 | 774 | 765 |
| 1990 | 766 | 767 | 768 | 770 | 774 | 780 | 792 | 792 | 783 | 767 | 752 | 740 |
| 1991 | 738 | 736 | 736 | 735 | 735 | 756 | 761 | 782 | 795 | 782 | 769 | 759 |
| 1992 | 759 | 759 | 760 | 762 | 775 | 781 | 797 | 802 | 791 | 777 | 764 | 753 |
| 1993 | 752 | 753 | 759 | 800 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 821 | 813 | 798 | 784 | 775 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|------|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 |
| 60 | 58 | 56 | 69 | 86 | 100 | 109 |
| 63 | 44 | 20 | 16 | 29 | 44 | 56 |
| 53 | 33 | 35 | 36 | 40 | 47 | 55 |
| 52 | 49 | 18 | 7 | 12 | 15 | 27 |
| 58 | 59 | 44 | 46 | 53 | 57 | 60 |
| 59 | 58 | 54 | 54 | 52 | 49 | 55 |
| 65 | 61 | 59 | 55 | 52 | 49 | 51 |
| 59 | 57 | 55 | 67 | 84 | 98 | 107 |
| 50 | 41 | 16 | 0 | 10 | 24 | 35 |
| 56 | 51 | 43 | 28 | 40 | 55 | 63 |
| 51 | 44 | 49 | 58 | 74 | 87 | 97 |
| 51 | 27 | 8 | 0 | 13 | 28 | 39 |
| 47 | 27 | 8 | 2 | 14 | 29 | 40 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 |
| 47 | 27 | 8 | 0 | 10 | 12 | 27 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 |
| 47 | 27 | 8 | 0 | 13 | 29 | 39 |
| 50 | 52 | 30 | 27 | 41 | 58 | 71 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 |
| 52 | 44 | 31 | 38 | 53 | 68 | 77 |
| 73 | 68 | 45 | 28 | 42 | 60 | 74 |
| 63 | 53 | 32 | 33 | 52 | 71 | 86 |
| 67 | 50 | 30 | 29 | 47 | 66 | 80 |
| 48 | 40 | 31 | 34 | 52 | 72 | 87 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 |
| 58 | 52 | 52 | 44 | 59 | 78 | 93 |
| 69 | 53 | 35 | 42 | 63 | 83 | 99 |
| 87 | 86 | 64 | 55 | 70 | 87 | 96 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 |
| 54 | 54 | 39 | 30 | 46 | 64 | 78 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 |
| 54 | 44 | 42 | 51 | 70 | 87 | 95 |
| 76 | 62 | 49 | 52 | 67 | 81 | 90 |
| 85 | 79 | 75 | 84 | 102 | 117 | 129 |
| 75 | 53 | 37 | 24 | 37 | 53 | 67 |
| 53 | 44 | 19 | 6 | 15 | 30 | 41 |
| 59 | 56 | 47 | 49 | 65 | 81 | 90 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 |
| 53 | 40 | 30 | 42 | 64 | 84 | 97 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 |
| 55 | 51 | 46 | 56 | 74 | 91 | 102 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 |
| 47 | 47 | 31 | 30 | 47 | 66 | 79 |
| 55 | 54 | 42 | 32 | 46 | 64 | 78 |
| 52 | 49 | 36 | 35 | 50 | 65 | 71 |
| 47 | 39 | 8 | 0 | 15 | 29 | 39 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 |
| 58 | 60 | 58 | 70 | 87 | 100 | 109 |
| 118 | 128 | 140 | 151 | 181 | 211 | 234 |
| 85 | 52 | 8 | 0 | 10 | 11 | 27 |
| 47 | 39 | 8 | 4 | 18 | 33 | 44 |
| 47 | 32 | 8 | 0 | 10 | 12 | 27 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 |
| 47 | 40 | 17 | 19 | 36 | 54 | 67 |
| 53 | 39 | 26 | 32 | 46 | 60 | 70 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 |
| 57 | 49 | 46 | 57 | 72 | 86 | 94 |
| 77 | 71 | 67 | 74 | 91 | 105 | 115 |
| 93 | 71 | 60 | 64 | 79 | 93 | 102 |
| 87 | 75 | 75 | 84 | 100 | 115 | 127 |
| 111 | 106 | 85 | 72 | 85 | 98 | 108 |
| 86 | 70 | 65 | 76 | 90 | 103 | 114 |
| 47 | 30 | 8 | 0 | 6 | 19 | 30 |
| 57 | 53 | 46 | 54</ | | | |

STUDY: 525
CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 557 | 516 | 498 | |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 538 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|--------------------|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 3 2 6 6 6 3 1 1 22 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 1 1 1 1 1 1 1 7 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 1 1 1 1 1 1 7 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 | 1 1 1 1 1 1 1 7 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 | 1 1 3 1 1 1 1 9 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 2 4 6 1 1 1 17 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 1 1 1 1 1 1 7 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 1 1 1 1 1 1 7 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 | 1 1 1 1 1 1 1 7 |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 | 1 1 1 1 1 1 1 7 |
| 45 | 52 | 44 | 24 | 58 | 94 | 99 | 1 1 1 1 1 1 1 7 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 1 1 1 1 1 1 7 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 1 1 1 1 1 1 7 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 1 3 5 1 1 1 13 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 3 6 3 1 1 1 17 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 6 6 6 6 1 1 25 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 1 1 1 5 6 1 1 16 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 1 1 2 1 1 1 1 8 |
| 24 | 28 | 15 | 23 | 64 | 110 | 105 | 1 1 2 1 1 1 1 8 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | 5 5 4 6 4 1 1 26 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | 1 1 3 6 1 1 1 14 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 | 6 5 6 3 1 1 1 23 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 1 1 1 1 1 1 1 7 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 4 3 4 6 1 1 1 20 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 1 1 2 1 1 1 1 8 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 1 1 1 1 1 1 1 7 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 1 1 1 1 1 1 1 7 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 1 1 1 1 1 1 1 7 |
| 52 | 42 | 25 | 37 | 70 | 100 | 94 | 1 1 1 1 1 1 1 7 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 1 1 1 1 1 1 1 7 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 | 4 2 1 6 4 1 1 19 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 1 1 1 1 1 1 1 7 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | 1 1 2 1 1 1 1 8 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | 1 1 1 1 1 1 1 7 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 | 6 6 2 6 3 1 1 25 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | 1 1 2 3 1 1 1 10 |
| 11 | 0 | 0 | 0 | 19 | 60 | 79 | 3 6 6 6 2 1 1 25 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | 1 1 3 1 1 1 1 9 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | 1 1 1 1 1 1 1 7 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | 1 1 1 1 1 1 1 7 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | 1 1 1 4 1 1 1 10 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | 2 6 6 6 3 1 1 25 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | 1 1 2 1 1 1 1 8 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | 1 2 1 2 1 1 1 9 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | 1 1 3 1 1 1 1 9 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | 4 3 1 4 6 1 1 20 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | 1 1 1 1 1 1 1 7 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | 1 1 1 6 6 1 1 17 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | 1 1 1 1 1 1 1 7 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | 1 1 1 1 1 1 1 7 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | 1 1 1 1 1 1 1 7 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 | 2 1 5 6 1 1 1 17 |
| 26 | 17 | 6 | | | | | |

STUDY: 525
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 443 | 477 | 522 | 544 | 544 | 544 | 520 | 503 | 470 | 434 | 438 |
| 1923 | 426 | 498 | 514 | 544 | 544 | 544 | 543 | 507 | 466 | 440 | 417 | 405 |
| 1924 | 426 | 435 | 462 | 507 | 527 | 527 | 526 | 502 | 470 | 433 | 397 | 393 |
| 1925 | 392 | 404 | 449 | 480 | 527 | 532 | 540 | 510 | 477 | 452 | 418 | 401 |
| 1926 | 407 | 423 | 449 | 499 | 540 | 544 | 544 | 512 | 487 | 461 | 394 | 383 |
| 1927 | 411 | 450 | 488 | 533 | 544 | 544 | 543 | 506 | 468 | 441 | 416 | 423 |
| 1928 | 456 | 486 | 501 | 534 | 544 | 544 | 544 | 503 | 462 | 437 | 415 | 402 |
| 1929 | 431 | 452 | 476 | 521 | 544 | 544 | 544 | 524 | 500 | 465 | 432 | 427 |
| 1930 | 427 | 433 | 478 | 528 | 541 | 544 | 537 | 498 | 470 | 463 | 447 | 425 |
| 1931 | 431 | 436 | 437 | 479 | 494 | 494 | 495 | 475 | 455 | 425 | 377 | 376 |
| 1932 | 385 | 388 | 460 | 508 | 539 | 539 | 540 | 517 | 498 | 469 | 412 | 398 |
| 1933 | 418 | 427 | 432 | 481 | 503 | 511 | 520 | 501 | 468 | 428 | 378 | 375 |
| 1934 | 383 | 383 | 435 | 491 | 507 | 507 | 507 | 478 | 459 | 440 | 398 | 388 |
| 1935 | 384 | 407 | 429 | 489 | 498 | 533 | 541 | 513 | 471 | 435 | 379 | 358 |
| 1936 | 394 | 414 | 440 | 493 | 535 | 544 | 543 | 516 | 475 | 447 | 423 | 407 |
| 1937 | 436 | 455 | 475 | 523 | 544 | 544 | 544 | 541 | 511 | 472 | 432 | 414 |
| 1938 | 445 | 477 | 510 | 544 | 544 | 544 | 544 | 544 | 537 | 502 | 467 | 482 |
| 1939 | 511 | 525 | 544 | 544 | 544 | 544 | 537 | 501 | 472 | 462 | 445 | 424 |
| 1940 | 426 | 425 | 420 | 485 | 528 | 544 | 543 | 506 | 453 | 416 | 379 | 363 |
| 1941 | 395 | 424 | 456 | 508 | 539 | 544 | 543 | 541 | 526 | 475 | 439 | 458 |
| 1942 | 489 | 505 | 530 | 544 | 544 | 544 | 543 | 519 | 510 | 472 | 441 | 454 |
| 1943 | 485 | 503 | 526 | 544 | 544 | 544 | 544 | 535 | 506 | 473 | 432 | 432 |
| 1944 | 465 | 494 | 514 | 544 | 544 | 544 | 531 | 495 | 463 | 447 | 435 | 412 |
| 1945 | 420 | 456 | 491 | 525 | 544 | 544 | 536 | 503 | 464 | 441 | 421 | 408 |
| 1946 | 443 | 474 | 503 | 541 | 544 | 544 | 529 | 488 | 441 | 407 | 404 | 404 |
| 1947 | 432 | 461 | 490 | 521 | 544 | 544 | 532 | 491 | 457 | 441 | 429 | 408 |
| 1948 | 412 | 418 | 418 | 470 | 489 | 512 | 530 | 485 | 447 | 417 | 372 | 366 |
| 1949 | 391 | 420 | 450 | 498 | 521 | 544 | 532 | 491 | 454 | 432 | 383 | 358 |
| 1950 | 385 | 402 | 414 | 471 | 513 | 530 | 528 | 487 | 452 | 431 | 413 | 405 |
| 1951 | 428 | 460 | 495 | 531 | 544 | 544 | 538 | 496 | 448 | 415 | 389 | 391 |
| 1952 | 416 | 446 | 475 | 513 | 544 | 544 | 544 | 544 | 536 | 508 | 488 | 499 |
| 1953 | 517 | 538 | 544 | 544 | 544 | 544 | 536 | 495 | 469 | 446 | 427 | 435 |
| 1954 | 467 | 497 | 512 | 543 | 544 | 544 | 543 | 500 | 453 | 421 | 391 | 393 |
| 1955 | 422 | 452 | 479 | 521 | 535 | 542 | 527 | 491 | 463 | 454 | 437 | 419 |
| 1956 | 420 | 432 | 474 | 513 | 544 | 544 | 543 | 519 | 498 | 466 | 437 | 447 |
| 1957 | 473 | 496 | 508 | 539 | 544 | 544 | 543 | 504 | 469 | 447 | 430 | 414 |
| 1958 | 447 | 476 | 504 | 535 | 544 | 544 | 544 | 544 | 536 | 498 | 479 | 493 |
| 1959 | 506 | 527 | 544 | 544 | 544 | 544 | 530 | 488 | 451 | 432 | 416 | 414 |
| 1960 | 445 | 455 | 455 | 499 | 539 | 544 | 527 | 485 | 454 | 442 | 398 | 368 |
| 1961 | 390 | 423 | 460 | 506 | 538 | 544 | 536 | 495 | 466 | 447 | 396 | 371 |
| 1962 | 380 | 398 | 439 | 490 | 525 | 544 | 525 | 476 | 423 | 382 | 334 | 342 |
| 1963 | 379 | 410 | 439 | 484 | 520 | 537 | 541 | 508 | 473 | 443 | 415 | 421 |
| 1964 | 452 | 480 | 495 | 527 | 538 | 544 | 523 | 479 | 438 | 417 | 400 | 398 |
| 1965 | 402 | 433 | 470 | 520 | 544 | 544 | 544 | 512 | 480 | 461 | 439 | 439 |
| 1966 | 467 | 496 | 514 | 544 | 544 | 544 | 541 | 497 | 452 | 424 | 402 | 405 |
| 1967 | 429 | 458 | 492 | 527 | 544 | 544 | 544 | 544 | 537 | 525 | 504 | 509 |
| 1968 | 528 | 544 | 544 | 544 | 544 | 544 | 542 | 502 | 465 | 446 | 432 | 411 |
| 1969 | 438 | 467 | 499 | 537 | 544 | 544 | 544 | 544 | 537 | 514 | 484 | 499 |
| 1970 | 517 | 538 | 544 | 544 | 544 | 544 | 544 | 509 | 469 | 448 | 431 | 421 |
| 1971 | 443 | 475 | 506 | 535 | 544 | 544 | 543 | 499 | 463 | 433 | 405 | 417 |
| 1972 | 447 | 474 | 493 | 526 | 544 | 544 | 533 | 490 | 453 | 433 | 418 | 411 |
| 1973 | 434 | 466 | 496 | 528 | 544 | 544 | 541 | 510 | 472 | 441 | 413 | 415 |
| 1974 | 447 | 475 | 499 | 537 | 544 | 544 | 543 | 514 | 482 | 453 | 427 | 440 |
| 1975 | 469 | 488 | 508 | 540 | 544 | 544 | 543 | 506 | 478 | 446 | 417 | 428 |
| 1976 | 456 | 481 | 493 | 525 | 544 | 544 | 535 | 502 | 484 | 469 | 447 | 429 |
| 1977 | 430 | 438 | 440 | 460 | 480 | 460 | 474 | 461 | 444 | 424 | 415 | 428 |
| 1978 | 433 | 450 | 498 | 540 | 544 | 544 | 544 | 544 | 526 | 472 | 432 | 447 |
| 1979 | 478 | 502 | 518 | 544 | 544 | 544 | 543 | 515 | 481 | 461 | 431 | 415 |
| 1980 | 449 | 481 | 506 | 544 | 544 | 544 | 540 | 523 | 489 | 447 | 463 | 463 |
| 1981 | 495 | 518 | 536 | 544 | 544 | 544 | 544 | 503 | 467 | 449 | 432 | 407 |
| 1982 | 428 | 462 | 495 | 531 | 544 | 544 | 544 | 544 | 531 | 494 | 461 | 470 |
| 1983 | 495 | 515 | 536 | 544 | 544 | 544 | 544 | 544 | 542 | 541 | 528 | 541 |
| 1984 | 544 | 544 | 544 | 544 | 544 | 544 | 543 | 507 | 469 | 447 | 429 | 418 |
| 1985 | 453 | 484 | 505 | 537 | 544 | 544 | 527 | 481 | 435 | 408 | 382 | 384 |
| 1986 | 397 | 393 | 430 | 485 | 522 | 544 | 544 | 544 | 531 | 487 | 457 | 465 |
| 1987 | 495 | 508 | 534 | 544 | 544 | 544 | 536 | 496 | 468 | 458 | 441 | 418 |
| 1988 | 426 | 423 | 460 | 510 | 524 | 529 | 521 | 499 | 490 | 461 | 422 | 417 |
| 1989 | 417 | 434 | 455 | 494 | 494 | 524 | 534 | 493 | 461 | 453 | 386 | 394 |
| 1990 | 415 | 427 | 460 | 503 | 523 | 528 | 527 | 494 | 479 | 459 | 401 | 382 |
| 1991 | 383 | 390 | 390 | 405 | 405 | 468 | 484 | 467 | 455 | 436 | 418 | 419 |
| 1992 | 422 | 435 | 450 | 492 | 525 | 544 | 544 | 519 | 502 | 467 | 423 | 415 |
| 1993 | 415 | 422 | 469 | 520 | 544 | 544 | 543 | 518 | 502 | 469 | 430 | 429 |
| 1994 | 461 | 491 | 507 | 540 | 544 | 544 | 531 | 491 | 460 | 449 | 440 | 424 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 0 | 24 | 41 | 74 | 110 | 106 |
| 17 | 18 | 42 | 74 | 114 | 127 | 139 |
| 12 | 4 | 34 | 67 | 92 | 126 | 143 |
| 0 | 0 | 32 | 57 | 83 | 150 | 161 |
| 0 | 1 | 38 | 76 | 103 | 128 | 121 |
| 0 | 0 | 41 | 82 | 107 | 129 | 142 |
| 0 | 0 | 20 | 44 | 79 | 112 | 117 |
| 0 | 7 | 46 | 74 | 81 | 97 | 119 |
| 50 | 49 | 69 | 89 | 119 | 167 | 168 |
| 5 | 4 | 27 | 46 | 75 | 132 | 146 |
| 33 | 24 | 43 | 76 | 116 | 166 | 169 |
| 37 | 37 | 66 | 85 | 104 | 146 | 156 |
| 11 | 3 | 31 | 73 | 109 | 165 | 186 |
| 0 | 1 | 28 | 69 | 97 | 121 | 137 |
| 0 | 0 | 3 | 33 | 72 | 112 | 130 |
| 0 | 0 | 7 | 42 | 77 | 107 | 120 |
| 0 | 1 | 38 | 91 | 128 | 165 | 181 |
| 0 | 1 | 3 | 18 | 69 | 105 | 86 |
| 0 | 1 | 25 | 34 | 72 | 103 | 90 |
| 0 | 0 | 9 | 38 | 71 | 112 | 112 |
| 0 | 13 | 49 | 81 | 97 | 109 | 132 |
| 0 | 8 | 41 | 80 | 103 | 123 | 136 |
| 0 | 15 | 56 | 103 | 137 | 140 | 140 |
| 0 | 12 | 53 | 87 | 103 | 115 | 136 |
| 32 | 14 | 59 | 97 | 127 | 172 | 178 |
| 0 | 12 | 53 | 90 | 112 | 161 | 186 |
| 14 | 16 | 57 | 92 | 113 | 131 | 139 |
| 0 | 6 | 48 | 96 | 129 | 155 | 153 |
| 0 | 0 | 8 | 36 | 56 | 45 | 45 |
| 0 | 8 | 49 | 75 | 98 | 117 | 109 |
| 0 | 1 | 44 | 91 | 123 | 153 | 151 |
| 2 | 17 | 53 | 81 | 90 | 107 | 125 |
| 0 | 1 | 25 | 46 | 78 | 107 | 97 |
| 0 | 0 | 40 | 75 | 97 | 114 | 130 |
| 0 | 0 | 0 | 8 | 46 | 65 | 51 |
| 0 | 14 | 56 | 93 | 112 | 128 | 130 |
| 6 | 2 | 17 | 59 | 90 | 108 | 176 |
| 0 | 8 | 49 | 78 | 97 | 148 | 173 |
| 0 | 19 | 68 | 121 | 162 | 210 | 202 |
| 7 | 3 | 36 | 71 | 101 | 129 | 123 |
| 0 | 21 | 65 | 106 | 127 | 144 | 146 |
| 0 | 0 | 32 | 64 | 83 | 105 | 105 |
| 0 | 3 | 47 | 82 | 120 | 142 | 139 |
| 0 | 0 | 7 | 19 | 40 | 35 | 35 |
| 0 | 2 | 42 | 79 | 98 | 112 | 133 |
| 0 | 0 | 7 | 30 | 60 | 45 | 45 |
| 0 | 0 | 35 | 75 | 96 | 113 | 123 |
| 0 | 1 | 45 | 81 | 111 | 139 | 127 |
| 0 | 11 | 54 | 91 | 111 | 126 | 133 |
| 0 | 3 | 34 | 72 | 103 | 131 | 129 |
| 0 | 1 | 30 | 62 | 91 | 117 | 104 |
| 0 | 1 | 38 | 66 | 98 | 127 | 116 |
| 0 | 9 | 42 | 60 | 75 | 97 | 115 |
| 84 | 70 | 83 | 100 | 120 | 129 | 116 |
| 0 | 0 | 18 | 72 | 112 | 97 | 97 |
| 0 | 1 | 29 | 63 | 83 | 113 | 129 |
| 0 | 0 | 4 | 21 | 55 | 97 | 81 |
| 0 | 0 | 41 | 77 | 95 | 112 | 137 |
| 0 | 0 | 13 | 50 | 83 | 74 | 74 |
| 0 | 0 | 2 | 3 | 16 | 3 | 3 |
| 0 | 1 | 37 | 75 | 97 | 116 | 126 |
| 0 | 17 | 63 | 109 | 136 | 162 | 160 |
| 0 | 0 | 13 | 57 | 87 | 79 | 79 |
| 0 | 8 | 48 | 76 | 86 | 103 | 126 |
| 20 | 23 | 45 | 54 | 83 | 122 | 127 |
| 15 | 10 | 51 | 83 | 91 | 158 | 150 |
| 16 | 17 | 50 | 65 | 85 | 143 | 162 |
| 76 | 60 | 77 | 89 | 108 | 126 | 125 |
| 0 | 0 | 25 | 42 | 77 | 121 | 129 |
| 0 | 1 | 26 | 42 | 75 | 114 | 115 |
| 0 | 13 | 53 | 84 | 95 | 104 | 120 |

Joint Point Alternative 7

STUDY: 526
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 1067
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 989 | 993 | 999 | 1003 | 1019 | 1038 | 1060 | 1067 | 1062 | 1048 | 1031 | 1025 |
| 1923 | 1023 | 1017 | 1019 | 1023 | 1024 | 1026 | 1038 | 1033 | 1020 | 999 | 982 | 980 |
| 1924 | 981 | 980 | 979 | 979 | 986 | 986 | 974 | 960 | 942 | 914 | 894 | 878 |
| 1925 | 882 | 898 | 907 | 917 | 992 | 1008 | 1040 | 1050 | 1042 | 1017 | 1000 | 998 |
| 1926 | 997 | 996 | 992 | 990 | 1017 | 1024 | 1038 | 1032 | 1011 | 988 | 968 | 961 |
| 1927 | 960 | 988 | 1010 | 1035 | 1026 | 1052 | 1067 | 1067 | 1058 | 1040 | 1020 | 1015 |
| 1928 | 1013 | 1017 | 1020 | 1028 | 1044 | 1046 | 1066 | 1062 | 1048 | 1022 | 996 | 991 |
| 1929 | 988 | 989 | 990 | 991 | 997 | 1004 | 1005 | 998 | 989 | 972 | 954 | 947 |
| 1930 | 945 | 943 | 974 | 986 | 1003 | 1025 | 1036 | 1037 | 1018 | 998 | 985 | 983 |
| 1931 | 981 | 980 | 978 | 980 | 983 | 990 | 992 | 972 | 961 | 939 | 924 | 911 |
| 1932 | 905 | 905 | 920 | 932 | 941 | 966 | 969 | 977 | 970 | 956 | 942 | 935 |
| 1933 | 933 | 934 | 934 | 937 | 939 | 973 | 978 | 983 | 979 | 960 | 946 | 939 |
| 1934 | 938 | 938 | 946 | 964 | 983 | 995 | 995 | 990 | 980 | 945 | 920 | 905 |
| 1935 | 988 | 910 | 916 | 938 | 957 | 981 | 1026 | 1034 | 1026 | 1003 | 988 | 984 |
| 1936 | 982 | 979 | 977 | 1004 | 1032 | 1044 | 1054 | 1052 | 1044 | 1020 | 999 | 993 |
| 1937 | 989 | 984 | 979 | 973 | 975 | 1003 | 1032 | 1041 | 1038 | 1014 | 994 | 987 |
| 1938 | 986 | 1008 | 1020 | 1035 | 1030 | 1024 | 1049 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1939 | 1023 | 1017 | 1020 | 1022 | 1024 | 1039 | 1031 | 1024 | 999 | 977 | 948 | 944 |
| 1940 | 940 | 935 | 944 | 992 | 1017 | 1025 | 1059 | 1064 | 1054 | 1028 | 1007 | 1006 |
| 1941 | 1004 | 1004 | 1019 | 1020 | 1024 | 1045 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1942 | 1023 | 1017 | 1020 | 1023 | 1028 | 1042 | 1067 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1943 | 1023 | 1017 | 1022 | 1030 | 1042 | 1051 | 1067 | 1067 | 1059 | 1045 | 1029 | 1023 |
| 1944 | 1022 | 1017 | 1015 | 1014 | 1023 | 1033 | 1038 | 1038 | 1019 | 995 | 973 | 966 |
| 1945 | 968 | 980 | 995 | 1002 | 1033 | 1050 | 1062 | 1067 | 1062 | 1038 | 1015 | 1010 |
| 1946 | 1009 | 1017 | 1018 | 1033 | 1039 | 1051 | 1063 | 1065 | 1055 | 1037 | 1011 | 1008 |
| 1947 | 1002 | 1002 | 1003 | 999 | 1006 | 1026 | 1033 | 1022 | 1008 | 986 | 954 | 949 |
| 1948 | 956 | 959 | 962 | 993 | 993 | 1006 | 1047 | 1067 | 1066 | 1044 | 1024 | 1024 |
| 1949 | 1021 | 1016 | 1014 | 1010 | 1014 | 1050 | 1063 | 1063 | 1049 | 1020 | 1000 | 997 |
| 1950 | 992 | 991 | 989 | 998 | 1013 | 1032 | 1047 | 1046 | 1034 | 1012 | 994 | 992 |
| 1951 | 1004 | 1017 | 1020 | 1030 | 1040 | 1057 | 1064 | 1067 | 1051 | 1029 | 1006 | 1004 |
| 1952 | 1003 | 1009 | 1019 | 1032 | 1038 | 1048 | 1058 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1953 | 1023 | 1017 | 1021 | 1022 | 1033 | 1051 | 1065 | 1067 | 1067 | 1053 | 1038 | 1036 |
| 1954 | 1023 | 1017 | 1021 | 1030 | 1035 | 1051 | 1067 | 1064 | 1059 | 1041 | 1018 | 1018 |
| 1955 | 1015 | 1017 | 1022 | 1024 | 1027 | 1031 | 1044 | 1052 | 1034 | 1005 | 986 | 986 |
| 1956 | 982 | 987 | 1017 | 1017 | 1019 | 1048 | 1067 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1957 | 1023 | 1017 | 1016 | 1017 | 1035 | 1052 | 1058 | 1067 | 1060 | 1043 | 1024 | 1026 |
| 1958 | 1023 | 1017 | 1021 | 1029 | 1067 | 1024 | 1053 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1959 | 1023 | 1017 | 1017 | 1034 | 1039 | 1062 | 1057 | 1056 | 1038 | 1013 | 991 | 995 |
| 1960 | 991 | 989 | 987 | 994 | 1023 | 1060 | 1057 | 1065 | 1047 | 1023 | 1004 | 1003 |
| 1961 | 999 | 1002 | 1018 | 1023 | 1044 | 1057 | 1061 | 1066 | 1046 | 1021 | 999 | 999 |
| 1962 | 993 | 993 | 1005 | 1002 | 1033 | 1053 | 1066 | 1066 | 1055 | 1031 | 1009 | 1006 |
| 1963 | 1023 | 1017 | 1021 | 1025 | 1045 | 1055 | 1052 | 1067 | 1063 | 1049 | 1034 | 1032 |
| 1964 | 1023 | 1017 | 1018 | 1033 | 1037 | 1041 | 1036 | 1031 | 1015 | 993 | 974 | 968 |
| 1965 | 967 | 977 | 1017 | 1022 | 1040 | 1052 | 1065 | 1066 | 1057 | 1042 | 1029 | 1028 |
| 1966 | 1023 | 1017 | 1019 | 1037 | 1049 | 1055 | 1063 | 1061 | 1046 | 1026 | 1000 | 995 |
| 1967 | 988 | 1003 | 1021 | 1030 | 1044 | 1048 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1968 | 1023 | 1017 | 1019 | 1025 | 1034 | 1054 | 1056 | 1058 | 1042 | 1021 | 1008 | 1009 |
| 1969 | 1005 | 1006 | 1017 | 1022 | 1027 | 1048 | 1063 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1970 | 1023 | 1017 | 1020 | 1017 | 1025 | 1052 | 1055 | 1055 | 1043 | 1022 | 1005 | 1003 |
| 1971 | 1003 | 1017 | 1020 | 1028 | 1042 | 1043 | 1064 | 1067 | 1067 | 1057 | 1041 | 1036 |
| 1972 | 1023 | 1017 | 1022 | 1033 | 1045 | 1056 | 1067 | 1067 | 1050 | 1029 | 1010 | 1012 |
| 1973 | 1013 | 1017 | 1021 | 1030 | 1034 | 1053 | 1065 | 1067 | 1059 | 1038 | 1018 | 1017 |
| 1974 | 1019 | 1017 | 1018 | 1017 | 1036 | 1025 | 1058 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1975 | 1023 | 1017 | 1021 | 1024 | 1045 | 1039 | 1061 | 1067 | 1067 | 1057 | 1044 | 1036 |
| 1976 | 1023 | 1017 | 1018 | 1017 | 1012 | 1020 | 1027 | 1023 | 998 | 980 | 976 | 977 |
| 1977 | 980 | 982 | 981 | 982 | 972 | 971 | 953 | 948 | 927 | 908 | 891 | 888 |
| 1978 | 877 | 875 | 918 | 1020 | 1031 | 1047 | 1067 | 1067 | 1064 | 1053 | 1041 | 1036 |
| 1979 | 1023 | 1017 | 1013 | 1016 | 1027 | 1044 | 1052 | 1061 | 1047 | 1024 | 1010 | 1009 |
| 1980 | 1009 | 1012 | 1015 | 1029 | 1019 | 1046 | 1059 | 1064 | 1056 | 1045 | 1035 | 1035 |
| 1981 | 1023 | 1017 | 1020 | 1029 | 1042 | 1056 | 1064 | 1062 | 1042 | 1018 | 997 | 996 |
| 1982 | 995 | 1017 | 1018 | 1033 | 1029 | 1046 | 1051 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1983 | 1023 | 1017 | 1020 | 1022 | 1017 | 1045 | 1050 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1984 | 1023 | 1017 | 1018 | 1034 | 1047 | 1066 | 1064 | 1067 | 1059 | 1040 | 1029 | 1031 |
| 1985 | 1023 | 1017 | 1022 | 1023 | 1027 | 1034 | 1042 | 1034 | 1011 | 991 | 973 | 970 |
| 1986 | 972 | 976 | 987 | 1012 | 1017 | 1029 | 1048 | 1050 | 1037 | 1020 | 1005 | 1008 |
| 1987 | 1008 | 1007 | 1006 | 1008 | 1018 | 1045 | 1045 | 1039 | 1007 | 983 | 947 | 945 |
| 1988 | 941 | 943 | 975 | 997 | 999 | 1002 | 1008 | 1007 | 990 | 958 | 943 | 941 |
| 1989 | 941 | 954 | 960 | 967 | 974 | 1008 | 1057 | 1053 | 1038 | 1018 | 1009 | 1010 |
| 1990 | 1012 | 1010 | 1006 | 1011 | 1011 | 1018 | 1012 | 1019 | 1003 | 981 | 959 | 956 |
| 1991 | 950 | 948 | 947 | 948 | 943 | 969 | 981 | 981 | 971 | 957 | 943 | 936 |
| 1992 | 934 | 933 | 934 | 938 | 977 | 999 | 1011 | 1004 | 988 | 963 | 950 | 944 |
| 1993 | 940 | 937 | 952 | 988 | 1020 | 1031 | 1059 | 1067 | 1067 | 1055 | 1046 | 1047 |
| 1994 | 1043 | 1017 | 1019 | 1020 | 1026 | 1030 | 1030 | 1028 | 1001 | 981 | 958 | 955 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 19 | 36 | 42 |
| 41 | 29 | 34 | 47 | 68 | 85 | 87 |
| 81 | 93 | 107 | 125 | 153 | 173 | 189 |
| 59 | 27 | 17 | 25 | 50 | 67 | 69 |
| 43 | 29 | 35 | 56 | 79 | 99 | 106 |
| 15 | 0 | 0 | 9 | 27 | 47 | 52 |
| 21 | 1 | 5 | 19 | 45 | 71 | 76 |
| 63 | 62 | 69 | 78 | 95 | 113 | 120 |
| 42 | 31 | 30 | 49 | 69 | 82 | 84 |
| 77 | 85 | 95 | 106 | 128 | 143 | 156 |
| 101 | 98 | 90 | 97 | 111 | 125 | 132 |
| 94 | 89 | 84 | 88 | 107 | 121 | 128 |
| 72 | 72 | 77 | 87 | 122 | 147 | 162 |
| 86 | 41 | 33 | 41 | 64 | 79 | 83 |
| 23 | 13 | 15 | 23 | 47 | 68 | 74 |
| 64 | 35 | 26 | 29 | 53 | 73 | 80 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 29 | 36 | 43 | 68 | 90 | 119 | 123 |
| 42 | 8 | 3 | 13 | 39 | 60 | 61 |
| 22 | 3 | 0 | 0 | 9 | 20 | 31 |
| 25 | 0 | 0 | 0 | 9 | 21 | 31 |
| 16 | 0 | 0 | 8 | 22 | 38 | 44 |
| 34 | 29 | 29 | 48 | 72 | 94 | 101 |
| 17 | 5 | 0 | 5 | 29 | 52 | 57 |
| 16 | 4 | 2 | 12 | 30 | 56 | 59 |
| 41 | 34 | 45 | 59 | 81 | 113 | 118 |
| 61 | 20 | 0 | 1 | 23 | 43 | 43 |
| 17 | 4 | 4 | 18 | 47 | 67 | 70 |
| 35 | 20 | 21 | 33 | 55 | 73 | 75 |
| 10 | 3 | 0 | 16 | 38 | 61 | 63 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 14 | 29 | 31 |
| 16 | 0 | 3 | 8 | 26 | 49 | 49 |
| 36 | 23 | 15 | 33 | 62 | 81 | 81 |
| 19 | 0 | 0 | 0 | 9 | 21 | 31 |
| 15 | 9 | 0 | 7 | 24 | 43 | 41 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 15 | 10 | 11 | 29 | 54 | 76 | 72 |
| 17 | 10 | 2 | 20 | 44 | 63 | 64 |
| 10 | 6 | 1 | 21 | 46 | 68 | 68 |
| 14 | 1 | 1 | 12 | 36 | 58 | 61 |
| 12 | 15 | 0 | 4 | 18 | 33 | 35 |
| 26 | 31 | 36 | 52 | 74 | 93 | 99 |
| 15 | 2 | 1 | 10 | 25 | 38 | 39 |
| 12 | 4 | 6 | 21 | 41 | 67 | 72 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 11 | 9 | 25 | 46 | 59 | 58 |
| 19 | 4 | 0 | 0 | 9 | 20 | 31 |
| 15 | 12 | 12 | 24 | 45 | 62 | 64 |
| 24 | 3 | 0 | 0 | 10 | 26 | 31 |
| 11 | 0 | 0 | 17 | 38 | 57 | 55 |
| 14 | 2 | 0 | 8 | 29 | 49 | 50 |
| 42 | 9 | 0 | 0 | 9 | 22 | 31 |
| 28 | 6 | 0 | 0 | 10 | 23 | 31 |
| 47 | 40 | 44 | 69 | 87 | 91 | 90 |
| 96 | 114 | 119 | 140 | 159 | 176 | 179 |
| 20 | 10 | 0 | 3 | 14 | 26 | 31 |
| 23 | 15 | 6 | 20 | 43 | 57 | 58 |
| 21 | 8 | 3 | 11 | 22 | 32 | 32 |
| 11 | 3 | 5 | 25 | 49 | 70 | 71 |
| 21 | 16 | 0 | 0 | 9 | 20 | 31 |
| 22 | 17 | 0 | 0 | | | |

STUDY: 526
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 900'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 834 | 837 | 839 | 848 | 850 | 858 | 893 | 900 | 900 | 883 | 879 | 880 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 872 | 894 | 900 | 881 | 830 | 814 | 817 |
| 1924 | 810 | 798 | 769 | 774 | 793 | 781 | 768 | 755 | 732 | 710 | 701 | 695 |
| 1925 | 695 | 699 | 706 | 722 | 789 | 817 | 837 | 844 | 825 | 794 | 783 | 782 |
| 1926 | 778 | 774 | 776 | 790 | 834 | 854 | 887 | 874 | 853 | 815 | 801 | 783 |
| 1927 | 775 | 806 | 807 | 831 | 849 | 863 | 890 | 900 | 900 | 865 | 853 | 851 |
| 1928 | 848 | 858 | 860 | 868 | 871 | 849 | 878 | 863 | 843 | 768 | 743 | 736 |
| 1929 | 723 | 718 | 716 | 722 | 736 | 752 | 757 | 759 | 753 | 736 | 726 | 720 |
| 1930 | 712 | 708 | 769 | 797 | 823 | 854 | 876 | 880 | 861 | 811 | 792 | 789 |
| 1931 | 779 | 771 | 763 | 776 | 789 | 803 | 789 | 774 | 752 | 730 | 720 | 713 |
| 1932 | 707 | 698 | 703 | 727 | 750 | 785 | 787 | 812 | 782 | 743 | 728 | 722 |
| 1933 | 712 | 700 | 699 | 711 | 720 | 725 | 735 | 751 | 745 | 730 | 720 | 713 |
| 1934 | 709 | 700 | 702 | 729 | 752 | 775 | 767 | 755 | 728 | 703 | 693 | 683 |
| 1935 | 668 | 673 | 679 | 707 | 731 | 762 | 851 | 860 | 845 | 822 | 811 | 797 |
| 1936 | 790 | 780 | 778 | 826 | 849 | 860 | 886 | 897 | 886 | 843 | 826 | 822 |
| 1937 | 814 | 803 | 799 | 802 | 819 | 843 | 868 | 881 | 858 | 833 | 817 | 811 |
| 1938 | 807 | 822 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 813 | 778 | 686 | 656 | 651 |
| 1940 | 640 | 629 | 632 | 705 | 813 | 849 | 879 | 883 | 867 | 829 | 821 | 812 |
| 1941 | 813 | 811 | 849 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 887 | 884 | 885 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 895 | 863 | 853 | 853 |
| 1944 | 854 | 857 | 856 | 862 | 857 | 868 | 879 | 895 | 875 | 819 | 797 | 791 |
| 1945 | 787 | 793 | 810 | 823 | 862 | 865 | 880 | 896 | 877 | 828 | 812 | 807 |
| 1946 | 807 | 815 | 849 | 864 | 868 | 868 | 887 | 892 | 870 | 814 | 788 | 785 |
| 1947 | 777 | 783 | 791 | 798 | 823 | 846 | 855 | 851 | 833 | 755 | 707 | 700 |
| 1948 | 703 | 704 | 699 | 736 | 741 | 762 | 829 | 858 | 864 | 832 | 813 | 787 |
| 1949 | 773 | 770 | 771 | 776 | 784 | 813 | 835 | 840 | 821 | 790 | 780 | 773 |
| 1950 | 764 | 758 | 757 | 785 | 828 | 858 | 889 | 900 | 886 | 833 | 811 | 810 |
| 1951 | 816 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 833 | 812 | 813 |
| 1952 | 818 | 822 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 887 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 870 | 868 | 869 |
| 1954 | 872 | 871 | 874 | 858 | 857 | 859 | 883 | 862 | 847 | 777 | 759 | 759 |
| 1955 | 760 | 762 | 770 | 783 | 792 | 805 | 814 | 827 | 800 | 745 | 725 | 722 |
| 1956 | 713 | 709 | 849 | 849 | 849 | 864 | 892 | 900 | 900 | 878 | 876 | 879 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 861 | 866 | 810 | 796 | 801 |
| 1958 | 804 | 807 | 825 | 846 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 785 | 755 | 758 | 758 |
| 1960 | 751 | 739 | 734 | 749 | 811 | 852 | 852 | 857 | 838 | 790 | 779 | 771 |
| 1961 | 759 | 762 | 771 | 782 | 813 | 833 | 838 | 843 | 823 | 739 | 700 | 696 |
| 1962 | 679 | 674 | 684 | 698 | 765 | 800 | 840 | 838 | 823 | 755 | 744 | 723 |
| 1963 | 797 | 809 | 837 | 859 | 867 | 858 | 876 | 900 | 893 | 855 | 849 | 850 |
| 1964 | 851 | 862 | 865 | 866 | 874 | 874 | 880 | 885 | 869 | 810 | 758 | 755 |
| 1965 | 743 | 744 | 849 | 849 | 863 | 870 | 887 | 880 | 882 | 847 | 843 | 845 |
| 1966 | 849 | 859 | 860 | 864 | 870 | 874 | 887 | 876 | 856 | 791 | 755 | 749 |
| 1967 | 734 | 746 | 785 | 839 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 779 | 764 | 761 |
| 1969 | 762 | 768 | 791 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 802 | 787 | 788 |
| 1971 | 791 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 859 | 857 | 859 |
| 1972 | 864 | 870 | 865 | 869 | 867 | 874 | 884 | 886 | 867 | 807 | 769 | 770 |
| 1973 | 766 | 782 | 809 | 849 | 849 | 860 | 882 | 900 | 869 | 824 | 811 | 807 |
| 1974 | 811 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 890 | 886 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 880 | 879 | 880 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 772 | 738 | 738 |
| 1977 | 725 | 714 | 696 | 692 | 678 | 674 | 643 | 632 | 602 | 579 | 571 | 566 |
| 1978 | 545 | 545 | 593 | 729 | 785 | 857 | 878 | 897 | 891 | 871 | 861 | 869 |
| 1979 | 871 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 863 | 828 | 819 | 816 |
| 1980 | 822 | 825 | 833 | 850 | 849 | 865 | 881 | 893 | 888 | 873 | 866 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 783 | 762 | 762 |
| 1982 | 769 | 848 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 894 | 890 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 899 | 897 | 897 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 878 | 837 | 830 | 831 |
| 1985 | 835 | 849 | 859 | 865 | 874 | 871 | 886 | 872 | 849 | 781 | 722 | 725 |
| 1986 | 716 | 712 | 719 | 757 | 858 | 849 | 871 | 875 | 871 | 840 | 830 | 840 |
| 1987 | 843 | 848 | 845 | 846 | 856 | 867 | 855 | 845 | 816 | 730 | 701 | 696 |
| 1988 | 683 | 686 | 725 | 754 | 761 | 761 | 759 | 752 | 731 | 710 | 698 | 695 |
| 1989 | 689 | 707 | 717 | 725 | 729 | 843 | 868 | 858 | 841 | 782 | 771 | 768 |
| 1990 | 778 | 779 | 775 | 789 | 796 | 822 | 800 | 801 | 775 | 729 | 716 | 711 |
| 1991 | 684 | 685 | 671 | 670 | 657 | 708 | 730 | 745 | 729 | 707 | 702 | 700 |
| 1992 | 695 | 691 | 692 | 695 | 727 | 756 | 771 | 758 | 730 | 703 | 691 | 685 |
| 1993 | 676 | 669 | 687 | 756 | 808 | 861 | 894 | 900 | 900 | 883 | 877 | 876 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 872 | 867 | 845 | 780 | 754 | 749 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 17 | 21 | 20 |
| 28 | 6 | 0 | 19 | 70 | 86 | 83 |
| 19 | 132 | 145 | 168 | 190 | 199 | 205 |
| 83 | 63 | 56 | 75 | 106 | 117 | 118 |
| 46 | 13 | 26 | 47 | 85 | 99 | 117 |
| 37 | 10 | 0 | 0 | 35 | 47 | 49 |
| 51 | 22 | 37 | 57 | 132 | 157 | 164 |
| 148 | 143 | 141 | 147 | 164 | 174 | 180 |
| 46 | 24 | 20 | 39 | 89 | 108 | 111 |
| 97 | 111 | 126 | 148 | 170 | 180 | 187 |
| 115 | 113 | 88 | 118 | 157 | 172 | 178 |
| 175 | 165 | 149 | 155 | 170 | 180 | 187 |
| 125 | 133 | 145 | 172 | 197 | 207 | 217 |
| 138 | 49 | 40 | 55 | 78 | 89 | 103 |
| 40 | 14 | 3 | 14 | 57 | 74 | 78 |
| 57 | 32 | 19 | 42 | 67 | 83 | 89 |
| 51 | 18 | 0 | 0 | 1 | 4 | 13 |
| 67 | 78 | 87 | 122 | 214 | 244 | 249 |
| 51 | 21 | 17 | 33 | 71 | 79 | 88 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 |
| 33 | 18 | 0 | 0 | 13 | 16 | 15 |
| 41 | 13 | 3 | 5 | 37 | 47 | 47 |
| 32 | 21 | 5 | 25 | 81 | 103 | 109 |
| 35 | 20 | 4 | 23 | 72 | 88 | 93 |
| 32 | 13 | 8 | 30 | 86 | 112 | 115 |
| 54 | 45 | 49 | 67 | 145 | 193 | 200 |
| 138 | 71 | 42 | 36 | 68 | 87 | 113 |
| 87 | 65 | 60 | 71 | 100 | 120 | 127 |
| 42 | 11 | 0 | 14 | 67 | 89 | 90 |
| 30 | 14 | 0 | 11 | 67 | 88 | 87 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 |
| 33 | 17 | 0 | 0 | 30 | 32 | 31 |
| 41 | 17 | 38 | 53 | 123 | 141 | 141 |
| 95 | 86 | 73 | 100 | 155 | 175 | 178 |
| 36 | 8 | 0 | 0 | 22 | 24 | 21 |
| 37 | 37 | 19 | 34 | 90 | 104 | 99 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 29 | 26 | 47 | 115 | 145 | 142 |
| 48 | 48 | 43 | 62 | 110 | 121 | 129 |
| 67 | 62 | 57 | 77 | 161 | 200 | 204 |
| 100 | 60 | 62 | 77 | 145 | 156 | 177 |
| 42 | 24 | 0 | 7 | 45 | 51 | 50 |
| 26 | 20 | 15 | 31 | 90 | 142 | 145 |
| 30 | 13 | 20 | 18 | 53 | 57 | 55 |
| 26 | 13 | 24 | 44 | 109 | 145 | 151 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 37 | 33 | 52 | 121 | 136 | 139 |
| 35 | 5 | 0 | 0 | 0 | 5 | 7 |
| 26 | 31 | 29 | 43 | 98 | 113 | 112 |
| 26 | 7 | 0 | 0 | 41 | 43 | 41 |
| 26 | 16 | 14 | 33 | 93 | 131 | 130 |
| 40 | 18 | 0 | 31 | 76 | 89 | 93 |
| 51 | 17 | 0 | 0 | 10 | 10 | 14 |
| 48 | 19 | 0 | 0 | 20 | 21 | 20 |
| 26 | 29 | 38 | 60 | 128 | 162 | 162 |
| 226 | 257 | 268 | 298 | 321 | 329 | 334 |
| 43 | 22 | 3 | 9 | 29 | 39 | 31 |
| 37 | 22 | 4 | 37 | 72 | 81 | 84 |
| 35 | 19 | 7 | 12 | 27 | 34 | 35 |
| 35 | 25 | 28 | 49 | 117 | 138 | 138 |
| 41 | 16 | 0 | 0 | 6 | 10 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 15 | 6 | 22 | 63 | 70 | 69 |
| 29 | 14 | 28 | 51 | 119 | 178 | 175 |
| 51 | 29 | 25 | 29 | 60 | 70 | 60 |
| 33 | 45 | 55 | 84 | 170 | 199 | 204 |
| 139 | 141 | 148 | 169 | 190 | 202 | 205 |
| 57 | 32 | 42 | 59 | 118 | 129 | 132 |
| 78 | 100 | 99 | 125 | 171 | 184 | 189 |
| 192 | 170 | 155 | 171 | 193 | 198 | 200 |
| 144 | 129 | 142 | | | | |

STUDY: 526
 CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 466'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 408 | 413 | 413 | 424 | 428 | 443 | 466 | 466 | 463 | 449 | 434 |
| 1923 | 425 | 423 | 424 | 424 | 423 | 428 | 449 | 466 | 451 | 431 | 401 | 405 |
| 1924 | 400 | 393 | 387 | 375 | 372 | 353 | 355 | 358 | 334 | 334 | 337 | 334 |
| 1925 | 349 | 363 | 380 | 390 | 424 | 437 | 449 | 466 | 449 | 422 | 403 | 404 |
| 1926 | 400 | 396 | 383 | 375 | 400 | 406 | 440 | 437 | 412 | 368 | 353 | 363 |
| 1927 | 369 | 405 | 424 | 424 | 424 | 437 | 449 | 466 | 461 | 450 | 440 | 434 |
| 1928 | 425 | 424 | 424 | 424 | 424 | 437 | 449 | 453 | 442 | 416 | 396 | 404 |
| 1929 | 384 | 376 | 369 | 352 | 348 | 360 | 377 | 386 | 372 | 335 | 347 | 351 |
| 1930 | 334 | 334 | 384 | 406 | 421 | 437 | 443 | 442 | 417 | 385 | 351 | 349 |
| 1931 | 336 | 350 | 363 | 377 | 386 | 400 | 394 | 391 | 334 | 334 | 335 | 334 |
| 1932 | 334 | 334 | 380 | 402 | 424 | 436 | 445 | 461 | 447 | 409 | 384 | 387 |
| 1933 | 369 | 338 | 350 | 352 | 337 | 365 | 334 | 364 | 335 | 334 | 352 | 347 |
| 1934 | 335 | 335 | 375 | 402 | 420 | 425 | 417 | 414 | 334 | 324 | 313 | 326 |
| 1935 | 334 | 361 | 378 | 402 | 418 | 421 | 449 | 453 | 452 | 418 | 389 | 392 |
| 1936 | 397 | 399 | 401 | 424 | 424 | 437 | 449 | 461 | 455 | 442 | 426 | 426 |
| 1937 | 414 | 407 | 400 | 393 | 422 | 437 | 449 | 466 | 455 | 438 | 421 | 424 |
| 1938 | 413 | 411 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 426 | 420 | 415 | 409 | 402 | 409 | 415 | 418 | 390 | 334 | 334 | 335 |
| 1940 | 334 | 334 | 334 | 420 | 424 | 437 | 449 | 460 | 448 | 423 | 408 | 412 |
| 1941 | 406 | 405 | 424 | 424 | 424 | 437 | 449 | 466 | 458 | 455 | 448 | 434 |
| 1942 | 426 | 422 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 459 | 451 | 447 | 441 | 434 |
| 1944 | 425 | 419 | 413 | 405 | 407 | 419 | 420 | 433 | 413 | 392 | 334 | 352 |
| 1945 | 341 | 380 | 404 | 411 | 424 | 437 | 449 | 466 | 455 | 441 | 425 | 428 |
| 1946 | 421 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 451 | 438 | 414 | 415 |
| 1947 | 405 | 406 | 405 | 396 | 403 | 423 | 433 | 437 | 405 | 357 | 334 | 354 |
| 1948 | 368 | 382 | 383 | 406 | 397 | 390 | 429 | 455 | 455 | 439 | 427 | 427 |
| 1949 | 422 | 414 | 410 | 403 | 400 | 422 | 443 | 458 | 446 | 417 | 405 | 408 |
| 1950 | 391 | 387 | 382 | 414 | 424 | 437 | 449 | 466 | 455 | 443 | 430 | 430 |
| 1951 | 425 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 450 | 434 | 417 | 421 |
| 1952 | 419 | 421 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 428 | 423 | 424 | 424 | 424 | 430 | 446 | 458 | 464 | 457 | 444 | 434 |
| 1954 | 425 | 423 | 421 | 422 | 424 | 437 | 449 | 451 | 441 | 421 | 404 | 407 |
| 1955 | 400 | 396 | 405 | 413 | 413 | 415 | 426 | 436 | 420 | 391 | 369 | 380 |
| 1956 | 334 | 349 | 420 | 402 | 406 | 425 | 441 | 466 | 466 | 463 | 447 | 434 |
| 1957 | 428 | 422 | 417 | 412 | 424 | 437 | 433 | 459 | 448 | 436 | 423 | 423 |
| 1958 | 422 | 416 | 418 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1959 | 425 | 419 | 412 | 417 | 424 | 428 | 436 | 436 | 413 | 381 | 364 | 377 |
| 1960 | 369 | 366 | 369 | 385 | 424 | 437 | 449 | 446 | 426 | 401 | 388 | 385 |
| 1961 | 386 | 384 | 382 | 374 | 381 | 391 | 401 | 413 | 399 | 381 | 369 | 376 |
| 1962 | 370 | 369 | 383 | 380 | 424 | 434 | 449 | 456 | 450 | 426 | 409 | 407 |
| 1963 | 438 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 459 | 450 | 442 | 434 |
| 1964 | 427 | 424 | 424 | 424 | 421 | 419 | 430 | 436 | 417 | 386 | 335 | 334 |
| 1965 | 335 | 367 | 393 | 392 | 395 | 414 | 449 | 464 | 454 | 448 | 442 | 434 |
| 1966 | 426 | 424 | 424 | 424 | 422 | 430 | 444 | 443 | 422 | 399 | 376 | 372 |
| 1967 | 357 | 381 | 420 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 423 | 424 | 424 | 437 | 439 | 441 | 419 | 395 | 386 | 394 |
| 1969 | 393 | 402 | 415 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 424 | 423 | 393 | 396 | 426 | 431 | 440 | 429 | 412 | 404 | 407 |
| 1971 | 399 | 413 | 424 | 424 | 424 | 437 | 447 | 461 | 461 | 459 | 441 | 434 |
| 1972 | 425 | 422 | 424 | 424 | 424 | 437 | 444 | 451 | 432 | 410 | 395 | 403 |
| 1973 | 402 | 407 | 421 | 424 | 424 | 437 | 449 | 466 | 451 | 430 | 414 | 419 |
| 1974 | 417 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 463 | 463 | 446 | 434 |
| 1975 | 426 | 419 | 417 | 415 | 424 | 437 | 441 | 466 | 466 | 462 | 445 | 434 |
| 1976 | 431 | 423 | 419 | 410 | 402 | 396 | 401 | 404 | 371 | 334 | 342 | 342 |
| 1977 | 335 | 334 | 330 | 325 | 321 | 323 | 334 | 341 | 334 | 319 | 305 | 291 |
| 1978 | 287 | 304 | 359 | 424 | 424 | 437 | 449 | 466 | 459 | 452 | 439 | 434 |
| 1979 | 423 | 417 | 408 | 415 | 424 | 437 | 447 | 466 | 449 | 426 | 414 | 417 |
| 1980 | 414 | 411 | 412 | 405 | 399 | 430 | 449 | 464 | 453 | 453 | 449 | 434 |
| 1981 | 425 | 419 | 415 | 413 | 412 | 422 | 433 | 435 | 411 | 390 | 375 | 382 |
| 1982 | 387 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 438 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 435 | 392 | 388 | 388 | 392 | 424 | 441 | 464 | 453 | 426 | 426 | 426 |
| 1985 | 424 | 424 | 424 | 422 | 424 | 426 | 447 | 443 | 415 | 377 | 334 | 334 |
| 1986 | 335 | 366 | 396 | 424 | 396 | 424 | 449 | 464 | 455 | 450 | 445 | 434 |
| 1987 | 427 | 420 | 413 | 405 | 404 | 410 | 416 | 417 | 385 | 334 | 321 | 334 |
| 1988 | 334 | 334 | 369 | 396 | 387 | 385 | 393 | 388 | 352 | 323 | 307 | 373 |
| 1989 | 359 | 378 | 394 | 404 | 402 | 437 | 449 | 452 | 432 | 412 | 410 | 414 |
| 1990 | 411 | 409 | 406 | 406 | 404 | 415 | 423 | 422 | 391 | 334 | 334 | 335 |
| 1991 | 334 | 334 | 335 | 332 | 332 | 383 | 407 | 425 | 419 | 408 | 404 | 404 |
| 1992 | 397 | 384 | 374 | 361 | 389 | 407 | 415 | 411 | 367 | 334 | 322 | 315 |
| 1993 | 315 | 314 | 357 | 424 | 427 | 434 | 449 | 466 | 466 | 456 | 446 | 434 |
| 1994 | 423 | 413 | 407 | 395 | 390 | 390 | 398 | 403 | 378 | 334 | 334 | 332 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 23 | 0 | 0 | 3 | 17 | 32 |
| 13 | 17 | 0 | 15 | 35 | 65 | 61 |
| 38 | 111 | 108 | 132 | 132 | 129 | 132 |
| 29 | 17 | 0 | 17 | 44 | 63 | 62 |
| 60 | 26 | 29 | 54 | 98 | 113 | 103 |
| 29 | 17 | 0 | 5 | 16 | 26 | 32 |
| 29 | 17 | 13 | 24 | 50 | 70 | 62 |
| 106 | 89 | 80 | 94 | 131 | 119 | 115 |
| 29 | 23 | 24 | 49 | 81 | 115 | 117 |
| 66 | 72 | 75 | 132 | 132 | 131 | 132 |
| 30 | 21 | 5 | 19 | 57 | 82 | 79 |
| 101 | 132 | 102 | 131 | 132 | 114 | 119 |
| 41 | 49 | 52 | 132 | 142 | 153 | 140 |
| 45 | 17 | 13 | 14 | 48 | 77 | 74 |
| 29 | 17 | 5 | 11 | 24 | 40 | 40 |
| 29 | 17 | 0 | 11 | 28 | 45 | 42 |
| 29 | 17 | 0 | 3 | 17 | 32 | 32 |
| 57 | 51 | 48 | 76 | 132 | 132 | 131 |
| 29 | 17 | 6 | 18 | 43 | 58 | 54 |
| 29 | 17 | 0 | 8 | 11 | 18 | 32 |
| 36 | 17 | 0 | 0 | 3 | 17 | 32 |
| 32 | 17 | 7 | 15 | 19 | 25 | 32 |
| 47 | 46 | 33 | 53 | 74 | 132 | 114 |
| 29 | 17 | 0 | 11 | 25 | 41 | 38 |
| 29 | 17 | 0 | 15 | 28 | 52 | 51 |
| 43 | 33 | 29 | 61 | 109 | 132 | 112 |
| 76 | 37 | 11 | 11 | 27 | 39 | 39 |
| 44 | 23 | 8 | 20 | 49 | 61 | 58 |
| 29 | 17 | 0 | 11 | 23 | 36 | 36 |
| 40 | 17 | 0 | 16 | 32 | 49 | 41 |
| 29 | 17 | 0 | 3 | 17 | 32 | 32 |
| 36 | 20 | 8 | 2 | 9 | 22 | 32 |
| 29 | 17 | 15 | 25 | 45 | 62 | 59 |
| 51 | 40 | 30 | 46 | 75 | 97 | 86 |
| 41 | 25 | 0 | 0 | 3 | 19 | 32 |
| 29 | 33 | 7 | 18 | 30 | 43 | 41 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 38 | 30 | 30 | 53 | 75 | 102 | 89 |
| 29 | 18 | 20 | 40 | 65 | 78 | 71 |
| 75 | 65 | 53 | 67 | 85 | 97 | 90 |
| 32 | 17 | 10 | 16 | 40 | 57 | 59 |
| 36 | 17 | 0 | 7 | 16 | 24 | 32 |
| 47 | 36 | 30 | 49 | 80 | 131 | 132 |
| 52 | 17 | 2 | 12 | 18 | 24 | 32 |
| 36 | 22 | 23 | 44 | 67 | 90 | 94 |
| 29 | 17 | 0 | 7 | 1 | 32 | 32 |
| 29 | 27 | 25 | 47 | 71 | 80 | 72 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 40 | 35 | 26 | 37 | 54 | 62 | 59 |
| 29 | 19 | 5 | 5 | 7 | 25 | 32 |
| 29 | 22 | 15 | 34 | 56 | 71 | 63 |
| 29 | 17 | 0 | 15 | 36 | 52 | 47 |
| 33 | 17 | 0 | 3 | 3 | 20 | 32 |
| 29 | 25 | 0 | 0 | 4 | 21 | 32 |
| 70 | 65 | 62 | 95 | 132 | 124 | 124 |
| 143 | 132 | 125 | 132 | 147 | 161 | 175 |
| 29 | 17 | 0 | 7 | 14 | 27 | 32 |
| 29 | 19 | 0 | 17 | 40 | 52 | 49 |
| 36 | 17 | 2 | 13 | 13 | 17 | 32 |
| 44 | 33 | 31 | 55 | 76 | 91 | 84 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 |
| 42 | 25 | 2 | 13 | 30 | 40 | 40 |
| 40 | 19 | 23 | 51 | 89 | 132 | 132 |
| 42 | 17 | 2 | 11 | 16 | 21 | 32 |
| 56 | 50 | 49 | 81 | 132 | 145 | 132 |
| 81 | 73 | 78 | 114 | 143 | 159 | 93 |
| 29 | 17 | 14 | 34 | 54 | 56 | 52 |
| 51 | 43 | 44 | 75 | 132 | 132 | 131 |
| 83 | 59 | 41 | 47 | 58 | 62 | 62 |
| 59 | 51 | 55 | 99 | 132 | 144 | 151 |
| 32 | 17 | 0 | 0 | 10 | 20 | 32 |

STUDY: 526

CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 973 | 990 | 1012 | 1004 | 991 | 981 |
| 1923 | 980 | 984 | 994 | 1002 | 1008 | 1007 | 1004 | 1008 | 1009 | 999 | 985 | 976 |
| 1924 | 975 | 977 | 981 | 985 | 988 | 989 | 979 | 967 | 954 | 942 | 930 | 926 |
| 1925 | 926 | 928 | 932 | 935 | 953 | 965 | 966 | 982 | 986 | 978 | 964 | 957 |
| 1926 | 955 | 957 | 959 | 962 | 972 | 975 | 976 | 965 | 952 | 937 | 923 | 912 |
| 1927 | 913 | 918 | 927 | 935 | 953 | 964 | 973 | 984 | 987 | 976 | 963 | 957 |
| 1928 | 957 | 963 | 968 | 972 | 980 | 1001 | 999 | 1001 | 993 | 979 | 964 | 957 |
| 1929 | 956 | 958 | 961 | 964 | 968 | 969 | 964 | 961 | 950 | 938 | 926 | 918 |
| 1930 | 919 | 921 | 923 | 927 | 933 | 941 | 941 | 936 | 931 | 917 | 896 | 883 |
| 1931 | 884 | 889 | 892 | 896 | 901 | 904 | 896 | 883 | 865 | 847 | 828 | 819 |
| 1932 | 818 | 821 | 832 | 841 | 864 | 875 | 875 | 911 | 930 | 923 | 905 | 893 |
| 1933 | 894 | 896 | 902 | 907 | 911 | 914 | 906 | 902 | 899 | 878 | 856 | 844 |
| 1934 | 845 | 849 | 855 | 861 | 870 | 880 | 871 | 857 | 837 | 818 | 791 | 773 |
| 1935 | 770 | 773 | 779 | 793 | 805 | 816 | 834 | 877 | 898 | 883 | 863 | 851 |
| 1936 | 851 | 855 | 860 | 877 | 914 | 927 | 940 | 963 | 971 | 960 | 947 | 940 |
| 1937 | 940 | 943 | 946 | 951 | 964 | 978 | 979 | 1003 | 1007 | 998 | 987 | 979 |
| 1938 | 980 | 982 | 995 | 1004 | 1023 | 1044 | 1052 | 1079 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 988 | 989 | 992 | 1004 | 1018 | 1035 | 1044 | 1055 | 1047 | 1034 | 1022 | 1014 |
| 1941 | 1014 | 1016 | 1021 | 1028 | 1038 | 1048 | 1043 | 1059 | 1065 | 1058 | 1048 | 1040 |
| 1942 | 1039 | 1040 | 1045 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1067 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1059 | 1048 | 1041 |
| 1944 | 1039 | 1040 | 1042 | 1043 | 1046 | 1050 | 1045 | 1041 | 1035 | 1022 | 1008 | 1000 |
| 1945 | 998 | 1003 | 1007 | 1012 | 1026 | 1035 | 1036 | 1048 | 1054 | 1046 | 1033 | 1026 |
| 1946 | 1026 | 1030 | 1040 | 1048 | 1050 | 1054 | 1053 | 1061 | 1058 | 1046 | 1035 | 1028 |
| 1947 | 1026 | 1029 | 1032 | 1034 | 1037 | 1041 | 1029 | 1020 | 1011 | 1000 | 989 | 982 |
| 1948 | 980 | 982 | 984 | 986 | 987 | 991 | 990 | 992 | 1000 | 992 | 979 | 972 |
| 1949 | 971 | 973 | 977 | 979 | 983 | 989 | 982 | 986 | 980 | 967 | 955 | 947 |
| 1950 | 946 | 946 | 949 | 957 | 967 | 975 | 975 | 987 | 992 | 980 | 968 | 960 |
| 1951 | 959 | 995 | 1035 | 1046 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 1000 |
| 1952 | 998 | 1001 | 1008 | 1022 | 1033 | 1046 | 1048 | 1077 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1038 | 1029 | 1016 | 1009 |
| 1954 | 1006 | 1008 | 1011 | 1014 | 1016 | 1023 | 1026 | 1028 | 1019 | 1006 | 993 | 983 |
| 1955 | 980 | 983 | 987 | 993 | 994 | 997 | 990 | 983 | 980 | 966 | 953 | 945 |
| 1956 | 944 | 947 | 980 | 1009 | 1023 | 1032 | 1023 | 1040 | 1052 | 1045 | 1033 | 1026 |
| 1957 | 1024 | 1026 | 1028 | 1031 | 1036 | 1043 | 1031 | 1027 | 1026 | 1013 | 1001 | 992 |
| 1958 | 986 | 989 | 992 | 999 | 1008 | 1022 | 1030 | 1039 | 1073 | 1067 | 1057 | 1051 |
| 1959 | 1049 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 979 | 981 | 984 | 987 | 994 | 999 | 996 | 991 | 980 | 968 | 953 | 943 |
| 1961 | 939 | 942 | 946 | 949 | 951 | 954 | 950 | 943 | 931 | 918 | 900 | 889 |
| 1962 | 889 | 892 | 896 | 899 | 916 | 924 | 926 | 935 | 938 | 927 | 910 | 897 |
| 1963 | 897 | 902 | 908 | 921 | 939 | 946 | 947 | 976 | 984 | 976 | 963 | 957 |
| 1964 | 957 | 962 | 966 | 972 | 975 | 980 | 972 | 965 | 956 | 943 | 930 | 921 |
| 1965 | 920 | 924 | 956 | 983 | 997 | 1004 | 1012 | 1013 | 1018 | 1011 | 999 | 993 |
| 1966 | 992 | 996 | 1001 | 1007 | 1012 | 1017 | 1006 | 1004 | 994 | 980 | 967 | 958 |
| 1967 | 957 | 960 | 973 | 987 | 997 | 1008 | 1009 | 1033 | 1061 | 1064 | 1055 | 1049 |
| 1968 | 1047 | 1049 | 1050 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 994 | 984 |
| 1969 | 982 | 987 | 990 | 1020 | 1041 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1039 | 1025 | 1012 | 1005 |
| 1971 | 1003 | 1007 | 1015 | 1022 | 1029 | 1035 | 1026 | 1022 | 1021 | 1011 | 998 | 990 |
| 1972 | 986 | 990 | 997 | 1002 | 1003 | 1007 | 993 | 992 | 982 | 968 | 954 | 947 |
| 1973 | 947 | 950 | 956 | 971 | 991 | 1003 | 1004 | 1023 | 1026 | 1016 | 1006 | 1001 |
| 1974 | 1001 | 1007 | 1017 | 1030 | 1039 | 1053 | 1057 | 1068 | 1067 | 1058 | 1047 | 1040 |
| 1975 | 1039 | 1041 | 1044 | 1047 | 1050 | 1055 | 1050 | 1049 | 1061 | 1053 | 1040 | 1035 |
| 1976 | 1033 | 1036 | 1039 | 1041 | 1043 | 1046 | 1040 | 1031 | 1020 | 1010 | 1000 | 995 |
| 1977 | 995 | 996 | 997 | 998 | 998 | 998 | 989 | 977 | 968 | 956 | 944 | 938 |
| 1978 | 937 | 936 | 940 | 951 | 963 | 983 | 993 | 1010 | 1021 | 1020 | 1010 | 1007 |
| 1979 | 1007 | 1010 | 1013 | 1022 | 1034 | 1048 | 1048 | 1057 | 1052 | 1039 | 1025 | 1018 |
| 1980 | 1019 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 982 | 991 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1012 | 1006 |
| 1985 | 1050 | 1050 | 1015 | 1018 | 1023 | 1029 | 1026 | 1020 | 1010 | 1000 | 990 | 984 |
| 1986 | 984 | 987 | 991 | 1001 | 1049 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1044 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 998 | 998 | 999 | 1000 | 1002 | 1004 | 998 | 988 | 978 | 968 | 959 | 953 |
| 1989 | 952 | 952 | 953 | 954 | 956 | 968 | 964 | 960 | 952 | 940 | 929 | 924 |
| 1990 | 927 | 930 | 934 | 937 | 940 | 945 | 937 | 926 | 911 | 891 | 875 | 866 |
| 1991 | 865 | 866 | 871 | 871 | 871 | 879 | 874 | 869 | 853 | 834 | 817 | 810 |
| 1992 | 811 | 813 | 819 | 822 | 833 | 842 | 834 | 817 | 792 | 762 | 726 | 715 |
| 1993 | 723 | 737 | 755 | 789 | 887 | 941 | 930 | 935 | 945 | 936 | 925 | 921 |
| 1994 | 920 | 921 | 925 | 926 | 927 | 932 | 929 | 926 | 913 | 894 | 877 | 869 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 115 | 98 | 76 | 84 | 97 |
| 80 | 81 | 84 | 80 | 79 | 89 | 103 |
| 100 | 99 | 109 | 121 | 134 | 146 | 158 |
| 135 | 123 | 122 | 106 | 102 | 110 | 124 |
| 116 | 113 | 112 | 123 | 136 | 151 | 165 |
| 135 | 124 | 115 | 104 | 101 | 112 | 125 |
| 108 | 87 | 89 | 87 | 95 | 109 | 124 |
| 120 | 119 | 124 | 127 | 138 | 150 | 162 |
| 155 | 147 | 147 | 152 | 157 | 171 | 192 |
| 187 | 184 | 192 | 205 | 223 | 241 | 260 |
| 224 | 213 | 213 | 177 | 158 | 165 | 183 |
| 177 | 174 | 182 | 186 | 189 | 210 | 232 |
| 218 | 208 | 217 | 231 | 251 | 270 | 297 |
| 283 | 272 | 254 | 211 | 190 | 205 | 225 |
| 174 | 161 | 148 | 125 | 117 | 128 | 141 |
| 124 | 110 | 105 | 85 | 81 | 90 | 101 |
| 65 | 44 | 36 | 9 | 0 | 4 | 13 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 |
| 70 | 53 | 44 | 33 | 41 | 54 | 66 |
| 50 | 40 | 45 | 29 | 23 | 30 | 40 |
| 38 | 33 | 33 | 21 | 7 | 10 | 21 |
| 38 | 33 | 27 | 20 | 21 | 29 | 40 |
| 42 | 38 | 43 | 47 | 53 | 66 | 80 |
| 62 | 53 | 52 | 40 | 34 | 42 | 55 |
| 38 | 34 | 35 | 27 | 30 | 42 | 53 |
| 51 | 47 | 59 | 68 | 77 | 88 | 99 |
| 101 | 97 | 98 | 96 | 88 | 96 | 109 |
| 105 | 99 | 106 | 102 | 108 | 121 | 133 |
| 121 | 113 | 113 | 101 | 96 | 108 | 120 |
| 38 | 33 | 40 | 47 | 55 | 68 | 81 |
| 55 | 42 | 40 | 11 | 0 | 2 | 12 |
| 38 | 34 | 42 | 52 | 50 | 59 | 72 |
| 72 | 65 | 62 | 60 | 69 | 82 | 95 |
| 94 | 91 | 98 | 105 | 108 | 122 | 135 |
| 65 | 56 | 65 | 68 | 36 | 43 | 55 |
| 52 | 45 | 57 | 61 | 62 | 75 | 87 |
| 80 | 66 | 58 | 29 | 15 | 21 | 31 |
| 38 | 35 | 42 | 58 | 70 | 83 | 96 |
| 94 | 89 | 92 | 97 | 108 | 122 | 135 |
| 137 | 134 | 138 | 145 | 157 | 170 | 188 |
| 172 | 164 | 162 | 153 | 150 | 161 | 178 |
| 149 | 142 | 141 | 112 | 104 | 112 | 125 |
| 113 | 108 | 116 | 123 | 132 | 145 | 158 |
| 91 | 84 | 76 | 75 | 70 | 77 | 89 |
| 76 | 71 | 82 | 84 | 94 | 108 | 121 |
| 91 | 80 | 79 | 55 | 27 | 24 | 33 |
| 38 | 34 | 46 | 45 | 66 | 80 | 94 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 |
| 38 | 33 | 41 | 47 | 49 | 63 | 76 |
| 59 | 53 | 62 | 66 | 67 | 77 | 90 |
| 85 | 81 | 95 | 96 | 106 | 120 | 134 |
| 97 | 85 | 84 | 65 | 62 | 72 | 82 |
| 49 | 35 | 31 | 20 | 21 | 30 | 41 |
| 48 | 33 | 38 | 39 | 27 | 35 | 46 |
| 45 | 42 | 48 | 57 | 68 | 78 | 88 |
| 100 | 90 | 99 | 111 | 120 | 132 | 144 |
| 125 | 105 | 95 | 78 | 67 | 68 | 78 |
| 54 | 40 | 40 | 31 | 36 | 49 | 63 |
| 38 | 33 | 32 | 25 | 18 | 20 | 31 |
| 38 | 35 | 43 | 54 | 69 | 83 | 96 |
| 38 | 33 | 17 | 2 | 0 | 4 | 13 |

STUDY: 526

CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 832'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 599 | 581 | 579 | 600 | 656 | 690 | 698 | 724 | 781 | 778 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 788 | 792 | 801 | 794 | 779 | 770 |
| 1924 | 764 | 761 | 756 | 755 | 756 | 754 | 748 | 743 | 734 | 722 | 708 | 700 |
| 1925 | 695 | 695 | 696 | 700 | 722 | 739 | 751 | 762 | 780 | 771 | 755 | 744 |
| 1926 | 737 | 734 | 730 | 729 | 738 | 742 | 756 | 768 | 765 | 750 | 734 | 725 |
| 1927 | 717 | 717 | 721 | 729 | 758 | 773 | 784 | 782 | 800 | 793 | 778 | 768 |
| 1928 | 762 | 762 | 762 | 766 | 774 | 792 | 801 | 818 | 818 | 804 | 789 | 779 |
| 1929 | 772 | 767 | 763 | 762 | 766 | 767 | 767 | 770 | 778 | 769 | 759 | 752 |
| 1930 | 747 | 744 | 742 | 742 | 748 | 755 | 756 | 759 | 772 | 763 | 754 | 747 |
| 1931 | 745 | 744 | 743 | 745 | 748 | 747 | 739 | 727 | 715 | 701 | 688 | 680 |
| 1932 | 676 | 671 | 683 | 699 | 736 | 751 | 752 | 756 | 773 | 768 | 752 | 741 |
| 1933 | 734 | 727 | 721 | 720 | 727 | 730 | 726 | 719 | 736 | 725 | 708 | 697 |
| 1934 | 688 | 687 | 684 | 687 | 698 | 707 | 706 | 698 | 694 | 677 | 658 | 648 |
| 1935 | 640 | 640 | 641 | 655 | 682 | 698 | 723 | 734 | 764 | 751 | 734 | 721 |
| 1936 | 713 | 711 | 705 | 711 | 753 | 770 | 779 | 796 | 814 | 804 | 789 | 779 |
| 1937 | 772 | 767 | 763 | 765 | 793 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 799 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 738 | 739 | 740 | 735 | 743 | 769 | 758 | 740 | 730 |
| 1949 | 723 | 717 | 712 | 711 | 718 | 729 | 735 | 745 | 752 | 734 | 715 | 702 |
| 1950 | 694 | 687 | 681 | 687 | 706 | 719 | 727 | 738 | 754 | 738 | 720 | 707 |
| 1951 | 701 | 750 | 798 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 770 | 768 | 774 | 780 | 784 | 780 | 784 | 790 | 778 | 766 | 759 |
| 1956 | 752 | 749 | 798 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 798 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 760 | 758 | 755 | 756 | 763 | 769 | 770 | 775 | 778 | 768 | 758 | 752 |
| 1961 | 748 | 746 | 746 | 748 | 750 | 749 | 743 | 733 | 726 | 713 | 701 | 694 |
| 1962 | 691 | 688 | 686 | 687 | 712 | 732 | 742 | 745 | 771 | 763 | 749 | 739 |
| 1963 | 732 | 727 | 724 | 728 | 754 | 765 | 773 | 784 | 809 | 804 | 790 | 781 |
| 1964 | 776 | 776 | 777 | 782 | 788 | 791 | 788 | 784 | 786 | 775 | 764 | 757 |
| 1965 | 753 | 753 | 786 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 744 | 755 | 771 | 788 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 798 | 795 | 783 | 772 | 766 |
| 1973 | 762 | 761 | 763 | 774 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 787 | 777 | 767 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 701 | 687 | 671 | 662 |
| 1978 | 658 | 654 | 657 | 683 | 716 | 748 | 761 | 776 | 813 | 821 | 808 | 802 |
| 1979 | 797 | 794 | 790 | 800 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 789 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 788 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 750 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 708 | 722 | 733 | 747 | 754 | 743 | 732 | 727 |
| 1990 | 725 | 725 | 725 | 727 | 730 | 733 | 730 | 726 | 724 | 709 | 695 | 688 |
| 1991 | 684 | 681 | 676 | 675 | 675 | 684 | 683 | 698 | 709 | 699 | 689 | 683 |
| 1992 | 682 | 682 | 681 | 684 | 693 | 698 | 701 | 707 | 706 | 692 | 677 | 666 |
| 1993 | 660 | 655 | 654 | 689 | 721 | 750 | 758 | 772 | 803 | 802 | 788 | 778 |
| 1994 | 772 | 767 | 762 | 762 | 765 | 768 | 765 | 768 | 767 | 756 | 746 | 740 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 142 | 134 | 108 | 51 | 54 | 69 | 80 | |
| 48 | 44 | 40 | 31 | 38 | 53 | 62 | |
| 78 | 84 | 89 | 98 | 110 | 124 | 132 | |
| 93 | 81 | 70 | 52 | 61 | 77 | 88 | |
| 90 | 76 | 64 | 67 | 82 | 98 | 107 | |
| 59 | 48 | 50 | 32 | 39 | 54 | 64 | |
| 40 | 31 | 14 | 14 | 28 | 43 | 53 | |
| 65 | 65 | 62 | 54 | 63 | 73 | 80 | |
| 77 | 76 | 73 | 60 | 69 | 78 | 85 | |
| 85 | 93 | 105 | 117 | 131 | 144 | 152 | |
| 81 | 80 | 76 | 59 | 64 | 80 | 91 | |
| 102 | 106 | 113 | 96 | 107 | 124 | 135 | |
| 125 | 126 | 134 | 138 | 155 | 174 | 184 | |
| 134 | 109 | 98 | 68 | 81 | 98 | 111 | |
| 62 | 53 | 36 | 18 | 28 | 43 | 53 | |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 | |
| 32 | 32 | 28 | 1 | 0 | 13 | 24 | |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 | |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 | |
| 32 | 32 | 20 | 0 | 1 | 15 | 24 | |
| 32 | 30 | 25 | 1 | 0 | 14 | 24 | |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 | |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 | |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 | |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 | |
| 51 | 54 | 50 | 56 | 68 | 82 | 90 | |
| 92 | 97 | 89 | 63 | 74 | 92 | 102 | |
| 103 | 97 | 87 | 80 | 98 | 117 | 130 | |
| 113 | 105 | 94 | 78 | 94 | 112 | 125 | |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 | |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 | |
| 32 | 30 | 28 | 18 | 22 | 36 | 45 | |
| 35 | 30 | 13 | 12 | 27 | 43 | 52 | |
| 48 | 52 | 48 | 42 | 54 | 66 | 73 | |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 | |
| 32 | 32 | 26 | 5 | 18 | 32 | 41 | |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 | |
| 32 | 30 | 32 | 38 | 50 | 62 | 69 | |
| 63 | 62 | 57 | 54 | 64 | 74 | 80 | |
| 83 | 89 | 99 | 106 | 119 | 131 | 138 | |
| 100 | 90 | 87 | 61 | 69 | 83 | 93 | |
| 67 | 59 | 48 | 23 | 28 | 42 | 51 | |
| 41 | 44 | 48 | 46 | 57 | 68 | 75 | |
| 32 | 30 | 25 | 5 | 16 | 25 | 35 | |
| 32 | 31 | 34 | 41 | 56 | 71 | 80 | |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 | |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 | |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 | |
| 32 | 33 | 33 | 25 | 37 | 52 | 61 | |
| 32 | 31 | 31 | 25 | 34 | 46 | 54 | |
| 32 | 32 | 34 | 37 | 49 | 60 | 66 | |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 | |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 | |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 | |
| 33 | 38 | 45 | 55 | 65 | 75 | 81 | |
| 95 | 104 | 117 | 131 | 145 | 161 | 170 | |
| 84 | 71 | 56 | 19 | 11 | 24 | 30 | |
| 32 | 30 | 10 | 0 | 14 | 29 | 38 | |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 | |
| 32 | 30 | 26 | 27 | 39 | 50 | 58 | |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 | |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 | |
| 32 | 35 | 29 | 18 | 31 | 46 | 56 | |
| 32 | 31 | 33 | 37 | 48 | 60 | 66 | |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 | |
| 44 | 46 | 49 | 53 | 63 | 73 | 80 | |
| 7 | | | | | | | |

STUDY: 526
 CP # 20, LAKE McCLURE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 867
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 711 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 810 | 797 | 779 | 766 | 756 |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 819 | 840 | 844 | 831 | 815 | 803 |
| 1926 | 801 | 801 | 802 | 804 | 808 | 812 | 831 | 827 | 826 | 822 | 814 | 806 |
| 1927 | 802 | 803 | 807 | 807 | 808 | 815 | 817 | 844 | 854 | 849 | 845 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 821 | 815 | 810 | 807 |
| 1929 | 805 | 804 | 804 | 803 | 805 | 807 | 808 | 811 | 811 | 813 | 816 | 810 |
| 1930 | 806 | 804 | 804 | 804 | 804 | 800 | 803 | 803 | 807 | 810 | 813 | 811 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 794 | 776 | 762 | 752 |
| 1932 | 750 | 751 | 770 | 782 | 808 | 817 | 826 | 847 | 864 | 854 | 839 | 829 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 |
| 1934 | 789 | 786 | 792 | 797 | 805 | 813 | 819 | 810 | 801 | 784 | 770 | 761 |
| 1935 | 757 | 761 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 855 | 861 | 849 | 834 | 823 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 777 | 778 | 779 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 |
| 1948 | 789 | 790 | 791 | 793 | 794 | 794 | 798 | 820 | 837 | 823 | 804 | 791 |
| 1949 | 787 | 786 | 787 | 789 | 793 | 801 | 810 | 831 | 830 | 810 | 791 | 775 |
| 1950 | 770 | 770 | 770 | 777 | 790 | 793 | 809 | 827 | 828 | 808 | 789 | 773 |
| 1951 | 769 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 |
| 1955 | 766 | 765 | 768 | 774 | 778 | 780 | 781 | 802 | 811 | 796 | 779 | 769 |
| 1956 | 764 | 764 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 |
| 1958 | 786 | 787 | 792 | 796 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 |
| 1960 | 772 | 771 | 770 | 771 | 783 | 791 | 805 | 818 | 815 | 800 | 786 | 776 |
| 1961 | 773 | 773 | 775 | 776 | 778 | 779 | 784 | 785 | 777 | 759 | 742 | 730 |
| 1962 | 729 | 729 | 731 | 734 | 776 | 786 | 809 | 823 | 837 | 824 | 805 | 792 |
| 1963 | 788 | 787 | 788 | 797 | 808 | 810 | 819 | 841 | 855 | 845 | 830 | 818 |
| 1964 | 808 | 808 | 808 | 808 | 807 | 808 | 809 | 816 | 813 | 797 | 780 | 771 |
| 1965 | 765 | 769 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 828 | 838 | 826 | 804 | 784 | 771 |
| 1967 | 767 | 769 | 794 | 806 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 812 | 793 | 777 | 766 |
| 1969 | 762 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 821 | 802 | 789 |
| 1971 | 786 | 788 | 798 | 807 | 808 | 812 | 814 | 826 | 836 | 822 | 804 | 790 |
| 1972 | 787 | 787 | 794 | 799 | 805 | 816 | 819 | 831 | 831 | 816 | 802 | 795 |
| 1973 | 793 | 795 | 800 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 768 | 759 |
| 1977 | 758 | 756 | 754 | 754 | 754 | 749 | 740 | 727 | 716 | 686 | 656 | 632 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 792 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 814 | 801 |
| 1985 | 800 | 803 | 807 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 |
| 1986 | 797 | 799 | 806 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 782 | 773 |
| 1988 | 772 | 773 | 775 | 781 | 785 | 791 | 797 | 801 | 794 | 777 | 763 | 753 |
| 1989 | 751 | 750 | 753 | 753 | 759 | 775 | 796 | 805 | 802 | 786 | 772 | 763 |
| 1990 | 765 | 766 | 766 | 769 | 772 | 779 | 790 | 786 | 778 | 761 | 744 | 732 |
| 1991 | 730 | 729 | 729 | 728 | 728 | 749 | 755 | 775 | 789 | 775 | 762 | 751 |
| 1992 | 750 | 751 | 752 | 754 | 768 | 774 | 791 | 793 | 781 | 768 | 754 | 742 |
| 1993 | 740 | 741 | 747 | 792 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 820 | 812 | 796 | 783 | 773 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 |
| 60 | 58 | 57 | 70 | 88 | 101 | 111 | 1 |
| 66 | 48 | 27 | 23 | 36 | 52 | 64 | 1 |
| 55 | 36 | 40 | 41 | 45 | 53 | 61 | 1 |
| 52 | 50 | 23 | 13 | 18 | 22 | 27 | 1 |
| 58 | 59 | 43 | 46 | 52 | 57 | 60 | 1 |
| 60 | 59 | 56 | 56 | 54 | 51 | 57 | 1 |
| 67 | 64 | 64 | 60 | 57 | 54 | 56 | 1 |
| 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 |
| 50 | 41 | 20 | 3 | 13 | 28 | 38 | 1 |
| 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 |
| 54 | 48 | 57 | 66 | 83 | 97 | 106 | 1 |
| 61 | 27 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 12 | 6 | 18 | 33 | 44 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 10 | 12 | 27 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 0 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 0 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 |
| 73 | 69 | 47 | 30 | 44 | 63 | 76 | 1 |
| 66 | 57 | 36 | 37 | 57 | 76 | 92 | 1 |
| 74 | 58 | 40 | 39 | 59 | 78 | 94 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 |
| 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 |
| 87 | 86 | 65 | 56 | 71 | 88 | 98 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | 1 |
| 76 | 62 | 49 | 52 | 67 | 81 | 91 | 1 |
| 88 | 83 | 82 | 90 | 108 | 125 | 137 | 1 |
| 81 | 58 | 44 | 30 | 43 | 62 | 75 | 1 |
| 57 | 48 | 26 | 12 | 22 | 37 | 49 | 1 |
| 59 | 58 | 51 | 54 | 70 | 87 | 96 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 53 | 39 | 29 | 41 | 63 | 83 | 96 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 50 | 46 | 55 | 74 | 90 | 101 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 46 | 30 | 30 | 46 | 65 | 78 | 1 |
| 55 | 53 | 41 | 31 | 45 | 63 | 77 | 1 |
| 51 | 48 | 36 | 36 | 51 | 65 | 72 | 1 |
| 47 | 39 | 8 | 0 | 15 | 29 | 39 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 99 | 108 | 1 |
| 118 | 127 | 140 | 151 | 181 | 211 | 235 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 4 | 18 | 33 | 44 | 1 |
| 47 | 32 | 8 | 0 | 0 | 12 | 27 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | 1 |
| 47 | 40 | 17 | 19 | 35 | 53 | 66 | 1 |
| 53 | 39 | 26 | 32 | 46 | 60 | 70 | 1 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 | 1 |
| 57 | 49 | | | | | | |

STUDY: 526
CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 461 | 471 | 486 | 500 | 506 | 490 | 512 | 530 | 520 | 497 | 480 | 472 |
| 1926 | 474 | 487 | 503 | 517 | 520 | 506 | 548 | 562 | 533 | 492 | 471 | 482 |
| 1927 | 488 | 504 | 525 | 543 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 484 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 478 | 494 | 506 | 517 | 514 | 509 | 524 | 534 | 517 | 488 | 465 | 482 |
| 1931 | 486 | 501 | 512 | 522 | 517 | 508 | 510 | 515 | 508 | 462 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 469 | 479 | 499 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 494 | 503 | 517 | 549 | 550 | 551 | 548 | 561 | 553 | 512 | 465 | 470 |
| 1941 | 481 | 493 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 487 | 503 | 517 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 503 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 535 | 541 | 523 | 534 | 551 | 538 | 505 | 476 | 482 |
| 1951 | 490 | 532 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 555 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 473 | 475 | 480 | 490 | 503 | 488 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 528 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 479 | 495 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 588 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 553 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 33 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 1 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 |
| 86 | 64 | 46 | 56 | 79 | 96 | 104 | 1 |
| 70 | 28 | 14 | 43 | 84 | 105 | 94 | 1 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 |
| 67 | 52 | 42 | 59 | 88 | 111 | 94 | 1 |
| 68 | 66 | 61 | 68 | 94 | 110 | 110 | 1 |
| 45 | 52 | 44 | 24 | 58 | 94 | 99 | 1 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 1 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 1 |
| 25 | 28 | 15 | 23 | 64 | 111 | 106 | 1 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | 5 |
| 23 | 22 | 14 | 0 | 21 | 67 | 100 | 1 |
| 0 | 2 | 0 | 14 | 50 | 85 | 99 | 6 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 1 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 4 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 1 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 1 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 1 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 1 |
| 53 | 42 | 25 | 38 | 71 | 100 | 94 | 1 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 1 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 | 4 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 1 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | 1 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | 1 |
| 0 | 0 | 15 | 0 | 10 | 52 | 71 | 6 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | 1 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 | 3 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | 1 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | 1 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | 1 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | 1 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | 2 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | 1 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | 1 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | 1 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | 4 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | 1 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | 1 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | 1 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | 1 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | 1 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 | 2 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 | 1 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 | 1 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 | 1 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 | 1 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 | 1 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 | 3 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 | 2 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 | 1 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 | 6 |
| 92 | 109 | 109 | 93 | 12 | 4 | 0 | 1 |
| 8 | 6 | 6 | 19 | 46 | 89 | 93 | 4 |
| 50 | 25 | 13 | 37 | 75 | 93 | 93 | 1 |
| 24 | 2 | 11 | 0 | 18 | 73 | 97 | |

Joint Point Alternative 7

STUDY: **526**
 CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 544'
 Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 418 | 436 | 487 | 531 | 544 | 544 | 543 | 543 | 538 | 489 | 445 | 454 | |
| 1923 | 495 | 523 | 544 | 544 | 544 | 544 | 539 | 515 | 475 | 469 | 433 | 413 | |
| 1924 | 431 | 440 | 466 | 511 | 532 | 532 | 522 | 498 | 465 | 434 | 397 | 391 | |
| 1925 | 392 | 401 | 444 | 475 | 529 | 539 | 532 | 507 | 467 | 449 | 407 | 382 | |
| 1926 | 394 | 407 | 430 | 496 | 542 | 544 | 540 | 517 | 481 | 464 | 398 | 384 | |
| 1927 | 397 | 457 | 498 | 544 | 544 | 544 | 541 | 529 | 495 | 470 | 430 | 430 | |
| 1928 | 464 | 503 | 534 | 544 | 544 | 544 | 539 | 517 | 467 | 464 | 433 | 412 | |
| 1929 | 434 | 456 | 480 | 526 | 544 | 544 | 536 | 522 | 500 | 468 | 437 | 434 | |
| 1930 | 434 | 440 | 485 | 537 | 544 | 544 | 526 | 497 | 467 | 472 | 440 | 418 | |
| 1931 | 423 | 427 | 427 | 469 | 483 | 486 | 477 | 465 | 450 | 424 | 375 | 373 | |
| 1932 | 384 | 383 | 465 | 524 | 543 | 535 | 527 | 508 | 489 | 471 | 440 | 426 | |
| 1933 | 440 | 446 | 450 | 495 | 517 | 525 | 522 | 508 | 480 | 444 | 400 | 399 | |
| 1934 | 413 | 410 | 456 | 514 | 518 | 518 | 504 | 479 | 458 | 436 | 398 | 385 | |
| 1935 | 382 | 402 | 421 | 496 | 502 | 530 | 536 | 509 | 467 | 436 | 381 | 358 | |
| 1936 | 382 | 390 | 395 | 471 | 525 | 544 | 542 | 524 | 487 | 468 | 432 | 417 | |
| 1937 | 436 | 448 | 471 | 523 | 544 | 544 | 544 | 539 | 508 | 469 | 432 | 415 | |
| 1938 | 446 | 497 | 533 | 544 | 544 | 544 | 544 | 544 | 542 | 509 | 477 | 511 | |
| 1939 | 541 | 544 | 544 | 544 | 544 | 544 | 526 | 495 | 463 | 472 | 439 | 419 | |
| 1940 | 424 | 422 | 415 | 492 | 536 | 544 | 540 | 512 | 462 | 443 | 381 | 365 | |
| 1941 | 388 | 417 | 467 | 520 | 544 | 544 | 543 | 543 | 528 | 479 | 441 | 474 | |
| 1942 | 508 | 542 | 544 | 544 | 544 | 544 | 543 | 538 | 528 | 483 | 444 | 465 | |
| 1943 | 499 | 537 | 544 | 544 | 544 | 544 | 544 | 544 | 516 | 473 | 432 | 435 | |
| 1944 | 466 | 496 | 514 | 544 | 544 | 544 | 525 | 493 | 457 | 462 | 438 | 419 | |
| 1945 | 423 | 458 | 497 | 527 | 544 | 544 | 532 | 503 | 464 | 461 | 435 | 419 | |
| 1946 | 453 | 494 | 527 | 544 | 544 | 544 | 527 | 495 | 445 | 437 | 427 | 410 | |
| 1947 | 438 | 466 | 509 | 538 | 544 | 544 | 526 | 488 | 448 | 449 | 434 | 405 | |
| 1948 | 407 | 411 | 411 | 464 | 482 | 505 | 508 | 481 | 438 | 421 | 371 | 361 | |
| 1949 | 389 | 417 | 447 | 493 | 517 | 544 | 528 | 501 | 456 | 434 | 383 | 364 | |
| 1950 | 394 | 408 | 416 | 489 | 535 | 544 | 530 | 501 | 461 | 457 | 431 | 414 | |
| 1951 | 434 | 483 | 517 | 544 | 544 | 544 | 529 | 507 | 461 | 453 | 434 | 425 | |
| 1952 | 443 | 476 | 511 | 544 | 544 | 544 | 544 | 544 | 542 | 517 | 498 | 518 | |
| 1953 | 544 | 544 | 544 | 544 | 544 | 544 | 527 | 511 | 484 | 473 | 436 | 445 | |
| 1954 | 485 | 516 | 535 | 544 | 544 | 544 | 541 | 519 | 464 | 452 | 431 | 416 | |
| 1955 | 441 | 476 | 511 | 544 | 544 | 544 | 525 | 497 | 467 | 467 | 434 | 418 | |
| 1956 | 446 | 460 | 513 | 544 | 544 | 544 | 538 | 518 | 480 | 446 | 467 | 418 | |
| 1957 | 495 | 515 | 529 | 544 | 544 | 544 | 532 | 506 | 468 | 465 | 434 | 417 | |
| 1958 | 471 | 504 | 538 | 544 | 544 | 544 | 544 | 544 | 542 | 506 | 494 | 512 | |
| 1959 | 544 | 544 | 544 | 544 | 544 | 544 | 522 | 488 | 449 | 453 | 439 | 432 | |
| 1960 | 540 | 459 | 465 | 507 | 544 | 544 | 525 | 491 | 453 | 446 | 390 | 382 | |
| 1961 | 386 | 421 | 467 | 513 | 544 | 544 | 522 | 486 | 454 | 463 | 435 | 409 | |
| 1962 | 424 | 438 | 475 | 520 | 544 | 544 | 520 | 482 | 423 | 407 | 328 | 334 | |
| 1963 | 407 | 457 | 488 | 531 | 544 | 544 | 542 | 534 | 502 | 476 | 431 | 437 | |
| 1964 | 479 | 510 | 529 | 544 | 544 | 544 | 518 | 481 | 436 | 436 | 425 | 405 | |
| 1965 | 409 | 439 | 489 | 534 | 544 | 544 | 544 | 530 | 497 | 474 | 432 | 435 | |
| 1966 | 465 | 506 | 540 | 544 | 544 | 544 | 526 | 491 | 435 | 428 | 417 | 413 | |
| 1967 | 436 | 464 | 510 | 544 | 544 | 544 | 544 | 544 | 542 | 541 | 522 | 540 | |
| 1968 | 544 | 544 | 544 | 544 | 544 | 544 | 529 | 495 | 456 | 460 | 437 | 420 | |
| 1969 | 448 | 476 | 518 | 544 | 544 | 544 | 544 | 544 | 542 | 522 | 494 | 515 | |
| 1970 | 544 | 544 | 544 | 544 | 544 | 544 | 544 | 544 | 512 | 470 | 469 | 434 | 429 |
| 1971 | 451 | 501 | 534 | 544 | 544 | 544 | 529 | 511 | 475 | 463 | 433 | 439 | |
| 1972 | 478 | 503 | 530 | 544 | 544 | 544 | 544 | 525 | 490 | 446 | 447 | 437 | 410 |
| 1973 | 433 | 483 | 517 | 544 | 544 | 544 | 534 | 509 | 472 | 462 | 433 | 427 | |
| 1974 | 457 | 503 | 532 | 544 | 544 | 544 | 543 | 534 | 506 | 477 | 460 | 487 | |
| 1975 | 520 | 544 | 544 | 544 | 544 | 544 | 541 | 530 | 506 | 473 | 450 | 470 | |
| 1976 | 498 | 531 | 544 | 544 | 544 | 544 | 524 | 495 | 471 | 480 | 447 | 427 | |
| 1977 | 427 | 433 | 434 | 453 | 453 | 453 | 458 | 447 | 431 | 410 | 406 | 423 | |
| 1978 | 429 | 446 | 495 | 544 | 544 | 544 | 544 | 544 | 525 | 472 | 431 | 447 | |
| 1979 | 490 | 504 | 520 | 544 | 544 | 544 | 536 | 515 | 481 | 471 | 433 | 418 | |
| 1980 | 452 | 490 | 523 | 544 | 544 | 544 | 544 | 544 | 527 | 493 | 453 | 470 | |
| 1981 | 511 | 525 | 544 | 544 | 544 | 544 | 530 | 496 | 457 | 461 | 437 | 415 | |
| 1982 | 434 | 487 | 523 | 544 | 544 | 544 | 544 | 534 | 494 | 463 | 433 | 493 | |
| 1983 | 521 | 544 | 544 | 544 | 544 | 544 | 544 | 544 | 542 | 541 | 541 | 544 | |
| 1984 | 544 | 544 | 544 | 544 | 544 | 544 | 535 | 513 | 476 | 471 | 432 | 428 | |
| 1985 | 468 | 505 | 543 | 544 | 544 | 544 | 520 | 484 | 435 | 433 | 420 | 407 | |
| 1986 | 410 | 414 | 453 | 507 | 544 | 544 | 544 | 544 | 532 | 490 | 454 | 461 | |
| 1987 | 491 | 502 | 527 | 544 | 544 | 544 | 522 | 485 | 455 | 463 | 438 | 414 | |
| 1988 | 423 | 418 | 460 | 520 | 534 | 534 | 522 | 507 | 490 | 468 | 429 | 425 | |
| 1989 | 425 | 439 | 455 | 493 | 543 | 541 | 531 | 500 | 465 | 459 | 392 | 401 | |
| 1990 | 415 | 432 | 449 | 504 | 523 | 527 | 510 | 481 | 462 | 449 | 405 | 385 | |
| 1991 | 385 | 388 | 388 | 403 | 403 | 471 | 471 | 461 | 444 | 427 | 412 | 413 | |
| 1992 | 416 | 429 | 443 | 487 | 529 | 544 | 534 | 513 | 496 | 479 | 434 | 423 | |
| 1993 | 423 | 429 | 473 | 529 | 544 | 544 | 543 | 540 | 524 | 473 | 430 | 428 | |
| 1994 | 469 | 503 | 534 | 544 | 544 | 544 | 521 | 487 | 456 | 466 | 439 | 423 | |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 1 | 6 | 55 | 99 | 90 | |
| 0 | 5 | 29 | 69 | 75 | 111 | 131 | |
| 12 | 22 | 46 | 79 | 110 | 147 | 153 | |
| 5 | 12 | 37 | 77 | 95 | 137 | 162 | |
| 0 | 4 | 27 | 63 | 80 | 146 | 160 | |
| 0 | 3 | 15 | 49 | 74 | 114 | 114 | |
| 0 | 5 | 27 | 77 | 80 | 111 | 132 | |
| 0 | 8 | 22 | 44 | 76 | 107 | 110 | |
| 0 | 18 | 47 | 77 | 72 | 104 | 126 | |
| 58 | 67 | 79 | 94 | 120 | 169 | 171 | |
| 9 | 17 | 36 | 55 | 73 | 104 | 118 | |
| 19 | 22 | 36 | 64 | 100 | 144 | 145 | |
| 26 | 40 | 65 | 96 | 108 | 146 | 159 | |
| 14 | 8 | 35 | 77 | 108 | 163 | 186 | |
| 0 | 2 | 20 | 57 | 76 | 112 | 127 | |
| 0 | 0 | 5 | 36 | 75 | 112 | 129 | |
| 0 | 0 | 4 | 32 | 82 | 101 | 163 | 179 |
| 0 | 1 | 1 | 16 | 65 | 103 | 70 | |
| 0 | 1 | 6 | 16 | 61 | 100 | 79 | |
| 0 | 0 | 0 | 28 | 71 | 112 | 109 | |
| 0 | 19 | 51 | 87 | 82 | 106 | 125 | |
| 0 | 12 | 41 | 80 | 83 | 109 | 125 | |
| 0 | 17 | 49 | 97 | 107 | 117 | 134 | |
| 0 | 18 | 56 | 96 | 95 | 110 | 139 | |
| 39 | 36 | 63 | 106 | 123 | 173 | 183 | |
| 0 | 16 | 43 | 88 | 110 | 161 | 180 | |
| 0 | 14 | 43 | 83 | 87 | 113 | 130 | |
| 0 | 15 | 37 | 83 | 91 | 110 | 119 | |
| 0 | 0 | 0 | 2 | 27 | 46 | 26 | |
| 0 | 17 | 33 | 60 | 71 | 108 | 99 | |
| 0 | 3 | 25 | 80 | 92 | 113 | 128 | |
| 0 | 19 | 47 | 77 | 77 | 110 | 126 | |
| 0 | 6 | 6 | 26 | 64 | 98 | 77 | |
| 0 | 12 | 38 | 76 | 79 | 110 | 126 | |
| 0 | 0 | 0 | 2 | 38 | 50 | 32 | |
| 0 | 22 | 56 | 95 | 91 | 105 | 112 | |
| 0 | 20 | 55 | 91 | 98 | 154 | 182 | |
| 0 | 22 | 58 | 90 | 81 | 109 | 135 | |
| 0 | 24 | 62 | 121 | 137 | 216 | 210 | |
| 0 | 2 | 10 | 42 | 68 | 113 | 107 | |
| 0 | 26 | 63 | 108 | 108 | 119 | 139 | |
| 0 | 0 | 14 | 47 | 70 | 112 | 109 | |
| 0 | 18 | 53 | 109 | 116 | 127 | 131 | |
| 0 | 0 | 0 | 2 | 3 | 22 | 4 | |
| 0 | 15 | 49 | 88 | 84 | 107 | 124 | |
| 0 | 10 | 32 | 74 | 75 | 110 | 115 | |
| 0 | 15 | 33 | 69 | 81 | 111 | 105 | |
| 0 | 19 | 54 | 98 | 97 | 107 | 134 | |
| 0 | 10 | 35 | 72 | 82 | 111 | 117 | |
| 0 | 1 | 10 | 38 | 67 | 84 | 57 | |
| 0 | 3 | 14 | 38 | 71 | 94 | 74 | |
| 0 | 20 | 49 | 73 | 64 | 97 | 117 | |
| 91 | 86 | 97 | 113 | 134 | 138 | 121 | |
| 0 | 0 | 0 | 19 | 72 | 113 | 97 | |
| 0 | 8 | 29 | 63 | 73 | 111 | 126 | |
| 0 | 0 | 0 | 17 | 51 | 91 | 74 | |
| 0 | 14 | 48 | 87 | 83 | 107 | 129 | |
| 0 | 0 | 0 | 10 | 50 | 81 | 51 | |
| 0 | 0 | 0 | 2 | 3 | 3 | 0 | |
| 0 | 9 | 31 | 68 | 73 | 112 | 116 | |
| 0 | 24 | 60 | 109 | 111 | 124 | 137 | |
| 0 | 0 | 0 | 12 | 54 | 90 | 83 | |
| 0 | 22 | 59 | 89 | 81 | 106 | 130 | |
| 10 | 22 | 37 | 54 | 76 | 115 | 119 | |
| 3 | 13 | 44 | 79 | 85 | 152 | 143 | |
| 17 | 34 | 63 | 82 | 95 | 139 | 159 | |
| 73 | 73 | 83 | 100 | 117 | 132 | 131 | |
| 0 | 10 | 31 | 48 | 65 | 110 | 121 | |
| 0 | 1 | 4 | 20 | 71 | 114 | 116 | |
| 0 | 23 | 57 | 88 | 78 | 105 | 121 | |

73 - year Average:

STUDY: **526a**
 CP # 4, SHASTA LAKE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 1067'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1922 | 989 | 992 | 999 | 1003 | 1019 | 1038 | 1060 | 1067 | 1062 | 1046 | 1026 | 1019 |
| 1923 | 1017 | 1016 | 1018 | 1022 | 1023 | 1025 | 1037 | 1033 | 1019 | 998 | 981 | 980 |
| 1924 | 980 | 979 | 978 | 978 | 983 | 985 | 985 | 973 | 960 | 942 | 914 | 894 |
| 1925 | 880 | 896 | 906 | 915 | 991 | 1007 | 1039 | 1050 | 1041 | 1016 | 999 | 998 |
| 1926 | 996 | 995 | 991 | 988 | 1016 | 1023 | 1037 | 1031 | 1010 | 987 | 967 | 960 |
| 1927 | 959 | 987 | 1010 | 1035 | 1026 | 1052 | 1067 | 1067 | 1058 | 1038 | 1017 | 1012 |
| 1928 | 1009 | 1017 | 1020 | 1028 | 1044 | 1046 | 1066 | 1062 | 1048 | 1022 | 997 | 991 |
| 1929 | 988 | 988 | 989 | 990 | 997 | 1004 | 1005 | 999 | 990 | 974 | 956 | 948 |
| 1930 | 946 | 945 | 976 | 987 | 1004 | 1026 | 1037 | 1038 | 1019 | 998 | 985 | 983 |
| 1931 | 980 | 979 | 976 | 979 | 982 | 989 | 981 | 971 | 960 | 938 | 923 | 910 |
| 1932 | 905 | 904 | 920 | 931 | 941 | 965 | 968 | 977 | 969 | 955 | 941 | 934 |
| 1933 | 932 | 931 | 932 | 934 | 936 | 970 | 975 | 980 | 977 | 958 | 944 | 937 |
| 1934 | 936 | 935 | 944 | 962 | 981 | 993 | 994 | 989 | 977 | 944 | 918 | 903 |
| 1935 | 895 | 908 | 912 | 935 | 955 | 979 | 1024 | 1032 | 1025 | 1002 | 987 | 983 |
| 1936 | 981 | 979 | 978 | 1006 | 1032 | 1045 | 1055 | 1053 | 1045 | 1022 | 1001 | 996 |
| 1937 | 991 | 987 | 983 | 977 | 978 | 1006 | 1035 | 1043 | 1040 | 1017 | 996 | 990 |
| 1938 | 987 | 1009 | 1020 | 1035 | 1030 | 1024 | 1049 | 1067 | 1067 | 1058 | 1045 | 1036 |
| 1939 | 1023 | 1017 | 1020 | 1022 | 1024 | 1039 | 1031 | 1024 | 999 | 975 | 948 | 944 |
| 1940 | 940 | 934 | 943 | 992 | 1017 | 1025 | 1059 | 1064 | 1055 | 1026 | 1004 | 1003 |
| 1941 | 1001 | 1001 | 1019 | 1020 | 1024 | 1045 | 1064 | 1067 | 1067 | 1058 | 1044 | 1036 |
| 1942 | 1023 | 1017 | 1020 | 1023 | 1028 | 1042 | 1067 | 1067 | 1067 | 1058 | 1043 | 1036 |
| 1943 | 1023 | 1017 | 1022 | 1030 | 1042 | 1051 | 1067 | 1067 | 1059 | 1045 | 1029 | 1023 |
| 1944 | 1022 | 1017 | 1015 | 1014 | 1023 | 1033 | 1038 | 1038 | 1019 | 996 | 972 | 964 |
| 1945 | 967 | 979 | 994 | 1001 | 1036 | 1049 | 1062 | 1067 | 1062 | 1038 | 1015 | 1011 |
| 1946 | 1010 | 1017 | 1018 | 1033 | 1039 | 1051 | 1063 | 1065 | 1055 | 1037 | 1012 | 1007 |
| 1947 | 1001 | 1002 | 1002 | 999 | 1006 | 1025 | 1033 | 1022 | 1008 | 986 | 954 | 948 |
| 1948 | 955 | 959 | 962 | 992 | 993 | 1005 | 1047 | 1067 | 1066 | 1045 | 1025 | 1025 |
| 1949 | 1022 | 1016 | 1015 | 1011 | 1015 | 1050 | 1063 | 1063 | 1049 | 1018 | 997 | 995 |
| 1950 | 989 | 988 | 986 | 995 | 1011 | 1029 | 1045 | 1044 | 1031 | 1010 | 992 | 990 |
| 1951 | 1003 | 1017 | 1020 | 1033 | 1040 | 1057 | 1064 | 1067 | 1051 | 1029 | 1007 | 1005 |
| 1952 | 1003 | 1009 | 1019 | 1032 | 1038 | 1048 | 1058 | 1067 | 1067 | 1058 | 1046 | 1036 |
| 1953 | 1023 | 1017 | 1021 | 1022 | 1033 | 1051 | 1065 | 1067 | 1067 | 1051 | 1034 | 1033 |
| 1954 | 1023 | 1017 | 1021 | 1030 | 1035 | 1051 | 1067 | 1064 | 1059 | 1042 | 1015 | 1014 |
| 1955 | 1011 | 1015 | 1022 | 1024 | 1027 | 1031 | 1044 | 1052 | 1034 | 1005 | 986 | 986 |
| 1956 | 978 | 983 | 1017 | 1017 | 1019 | 1048 | 1067 | 1067 | 1067 | 1057 | 1043 | 1036 |
| 1957 | 1023 | 1017 | 1016 | 1017 | 1035 | 1052 | 1058 | 1067 | 1062 | 1045 | 1025 | 1028 |
| 1958 | 1023 | 1017 | 1021 | 1029 | 1067 | 1024 | 1053 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1959 | 1023 | 1017 | 1017 | 1034 | 1039 | 1051 | 1056 | 1056 | 1037 | 1013 | 986 | 988 |
| 1960 | 977 | 978 | 976 | 986 | 1016 | 1046 | 1053 | 1051 | 1043 | 1016 | 995 | 994 |
| 1961 | 988 | 991 | 1009 | 1016 | 1043 | 1057 | 1062 | 1067 | 1048 | 1024 | 993 | 991 |
| 1962 | 983 | 988 | 1001 | 996 | 1035 | 1054 | 1067 | 1067 | 1055 | 1032 | 1013 | 1011 |
| 1963 | 1023 | 1017 | 1021 | 1025 | 1045 | 1055 | 1052 | 1067 | 1063 | 1048 | 1031 | 1029 |
| 1964 | 1023 | 1017 | 1018 | 1033 | 1037 | 1041 | 1036 | 1031 | 1015 | 993 | 972 | 967 |
| 1965 | 966 | 977 | 1017 | 1022 | 1041 | 1053 | 1065 | 1066 | 1057 | 1042 | 1030 | 1028 |
| 1966 | 1023 | 1017 | 1021 | 1037 | 1049 | 1055 | 1064 | 1062 | 1047 | 1026 | 1000 | 994 |
| 1967 | 986 | 1002 | 1021 | 1030 | 1044 | 1048 | 1064 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1968 | 1023 | 1017 | 1019 | 1025 | 1034 | 1054 | 1057 | 1059 | 1042 | 1022 | 1005 | 1006 |
| 1969 | 1001 | 1003 | 1015 | 1022 | 1027 | 1048 | 1063 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1970 | 1023 | 1017 | 1020 | 1017 | 1025 | 1052 | 1055 | 1055 | 1043 | 1022 | 1006 | 1004 |
| 1971 | 1003 | 1017 | 1020 | 1028 | 1042 | 1043 | 1064 | 1067 | 1067 | 1057 | 1038 | 1036 |
| 1972 | 1023 | 1017 | 1022 | 1033 | 1045 | 1056 | 1067 | 1067 | 1050 | 1030 | 1007 | 1009 |
| 1973 | 1010 | 1017 | 1021 | 1030 | 1034 | 1053 | 1065 | 1067 | 1059 | 1038 | 1017 | 1015 |
| 1974 | 1018 | 1017 | 1018 | 1017 | 1036 | 1025 | 1058 | 1067 | 1067 | 1057 | 1043 | 1036 |
| 1975 | 1023 | 1017 | 1021 | 1024 | 1045 | 1039 | 1061 | 1067 | 1067 | 1055 | 1043 | 1036 |
| 1976 | 1023 | 1017 | 1018 | 1017 | 1012 | 1020 | 1027 | 1024 | 998 | 981 | 977 | 978 |
| 1977 | 981 | 982 | 982 | 983 | 973 | 972 | 954 | 949 | 927 | 909 | 893 | 890 |
| 1978 | 878 | 877 | 920 | 1020 | 1031 | 1047 | 1067 | 1067 | 1064 | 1052 | 1038 | 1036 |
| 1979 | 1023 | 1017 | 1014 | 1016 | 1027 | 1044 | 1052 | 1061 | 1047 | 1024 | 1010 | 1010 |
| 1980 | 1010 | 1013 | 1016 | 1029 | 1019 | 1046 | 1059 | 1064 | 1056 | 1045 | 1035 | 1035 |
| 1981 | 1023 | 1017 | 1020 | 1029 | 1042 | 1056 | 1064 | 1062 | 1041 | 1017 | 991 | 991 |
| 1982 | 989 | 1017 | 1018 | 1033 | 1029 | 1046 | 1051 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1983 | 1023 | 1017 | 1020 | 1022 | 1017 | 1045 | 1050 | 1067 | 1067 | 1058 | 1047 | 1036 |
| 1984 | 1023 | 1017 | 1018 | 1034 | 1047 | 1056 | 1065 | 1067 | 1059 | 1040 | 1030 | 1031 |
| 1985 | 1023 | 1017 | 1022 | 1023 | 1027 | 1034 | 1042 | 1035 | 1011 | 991 | 970 | 963 |
| 1986 | 965 | 969 | 982 | 1008 | 1017 | 1029 | 1048 | 1050 | 1037 | 1021 | 1006 | 1009 |
| 1987 | 1009 | 1008 | 1007 | 1008 | 1019 | 1045 | 1046 | 1040 | 1007 | 982 | 946 | 943 |
| 1988 | 939 | 940 | 972 | 995 | 998 | 1001 | 1007 | 1006 | 988 | 959 | 944 | 942 |
| 1989 | 942 | 955 | 962 | 968 | 975 | 1003 | 1058 | 1054 | 1039 | 1015 | 991 | 992 |
| 1990 | 996 | 994 | 990 | 998 | 999 | 1008 | 1003 | 1009 | 998 | 976 | 960 | 956 |
| 1991 | 951 | 949 | 949 | 950 | 943 | 969 | 980 | 980 | 970 | 957 | 943 | 935 |
| 1992 | 934 | 933 | 934 | 938 | 976 | 999 | 1010 | 1003 | 986 | 967 | 954 | 948 |
| 1993 | 945 | 942 | 957 | 992 | 1024 | 1031 | 1059 | 1067 | 1067 | 1054 | 1042 | 1043 |
| 1994 | 1042 | 1017 | 1019 | 1020 | 1026 | 1030 | 1030 | 1029 | 1001 | 980 | 946 | 941 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 29 | 7 | 0 | 5 | 21 | 41 | 48 |
| 42 | 30 | 34 | 48 | 69 | 86 | 87 |
| 82 | 94 | 107 | 125 | 153 | 173 | 191 |
| 60 | 28 | 17 | 26 | 51 | 68 | 69 |
| 44 | 30 | 36 | 57 | 80 | 100 | 107 |
| 15 | 0 | 0 | 9 | 29 | 50 | 55 |
| 21 | 1 | 5 | 19 | 45 | 70 | 76 |
| 63 | 62 | 68 | 77 | 93 | 111 | 119 |
| 41 | 30 | 29 | 48 | 69 | 82 | 84 |
| 78 | 86 | 96 | 107 | 129 | 144 | 157 |
| 102 | 99 | 90 | 98 | 112 | 126 | 133 |
| 97 | 92 | 87 | 90 | 109 | 123 | 130 |
| 74 | 73 | 78 | 90 | 123 | 149 | 164 |
| 88 | 43 | 35 | 42 | 65 | 80 | 84 |
| 22 | 12 | 14 | 22 | 45 | 66 | 71 |
| 61 | 32 | 24 | 27 | 50 | 71 | 77 |
| 43 | 18 | 0 | 0 | 9 | 22 | 31 |
| 28 | 36 | 43 | 68 | 92 | 119 | 123 |
| 42 | 8 | 3 | 12 | 41 | 63 | 64 |
| 22 | 3 | 0 | 0 | 9 | 23 | 31 |
| 25 | 0 | 0 | 0 | 9 | 24 | 31 |
| 16 | 0 | 0 | 8 | 22 | 38 | 44 |
| 34 | 29 | 29 | 48 | 71 | 95 | 103 |
| 18 | 5 | 0 | 5 | 29 | 52 | 56 |
| 16 | 4 | 2 | 12 | 30 | 55 | 60 |
| 42 | 34 | 45 | 59 | 81 | 113 | 119 |
| 62 | 20 | 0 | 1 | 22 | 42 | 42 |
| 17 | 4 | 4 | 18 | 49 | 70 | 72 |
| 38 | 22 | 23 | 36 | 57 | 75 | 77 |
| 10 | 3 | 0 | 16 | 38 | 60 | 62 |
| 19 | 9 | 0 | 0 | 9 | 21 | 31 |
| 16 | 2 | 0 | 0 | 16 | 33 | 34 |
| 16 | 0 | 3 | 8 | 25 | 52 | 53 |
| 36 | 23 | 15 | 33 | 62 | 81 | 83 |
| 19 | 0 | 0 | 0 | 10 | 24 | 31 |
| 15 | 9 | 0 | 5 | 22 | 42 | 39 |
| 43 | 14 | 0 | 0 | 9 | 20 | 31 |
| 16 | 11 | 11 | 30 | 54 | 81 | 79 |
| 21 | 14 | 6 | 24 | 51 | 72 | 73 |
| 10 | 5 | 0 | 19 | 43 | 74 | 76 |
| 13 | 0 | 0 | 12 | 35 | 54 | 56 |
| 12 | 15 | 0 | 4 | 19 | 36 | 38 |
| 26 | 31 | 36 | 52 | 74 | 95 | 100 |
| 14 | 2 | 1 | 10 | 25 | 37 | 39 |
| 12 | 3 | 5 | 20 | 41 | 67 | 73 |
| 19 | 3 | 0 | 0 | 9 | 20 | 31 |
| 13 | 10 | 8 | 25 | 45 | 62 | 61 |
| 19 | 4 | 0 | 0 | 9 | 20 | 31 |
| 15 | 12 | 12 | 24 | 45 | 61 | 63 |
| 24 | 3 | 0 | 0 | 10 | 29 | 31 |
| 11 | 0 | 0 | 17 | 37 | 60 | 58 |
| 14 | 2 | 0 | 8 | 29 | 50 | 52 |
| 42 | 9 | 0 | 0 | 10 | 24 | 31 |
| 28 | 6 | 0 | 0 | 12 | 24 | 31 |
| 47 | 40 | 43 | 69 | 86 | 90 | 89 |
| 95 | 113 | 118 | 140 | 158 | 174 | 177 |
| 20 | 0 | 0 | 3 | 15 | 29 | 31 |
| 23 | 15 | 6 | 20 | 43 | 57 | 57 |
| 21 | 8 | 3 | 11 | 22 | 32 | 32 |
| 11 | 3 | 5 | 26 | 50 | 76 | 76 |
| 21 | 16 | 0 | 0 | 9 | 20 | 31 |
| 22 | 17 | 0 | 0 | 9 | 20 | |

STUDY: 526a
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION

73-year maximum March - September Reservoir Elevation = 900'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 834 | 837 | 839 | 848 | 850 | 858 | 893 | 900 | 900 | 883 | 879 | 880 |
| 1923 | 874 | 874 | 858 | 862 | 859 | 871 | 894 | 900 | 881 | 830 | 815 | 817 |
| 1924 | 810 | 799 | 770 | 775 | 793 | 782 | 769 | 755 | 731 | 710 | 701 | 695 |
| 1925 | 694 | 698 | 705 | 722 | 789 | 817 | 836 | 843 | 825 | 794 | 783 | 781 |
| 1926 | 777 | 774 | 776 | 790 | 833 | 853 | 887 | 874 | 853 | 815 | 801 | 782 |
| 1927 | 777 | 809 | 809 | 833 | 849 | 863 | 890 | 900 | 900 | 865 | 854 | 852 |
| 1928 | 849 | 859 | 860 | 868 | 871 | 849 | 878 | 863 | 842 | 768 | 743 | 736 |
| 1929 | 723 | 718 | 716 | 722 | 736 | 752 | 757 | 759 | 753 | 736 | 726 | 720 |
| 1930 | 712 | 709 | 709 | 797 | 823 | 854 | 876 | 880 | 862 | 812 | 793 | 790 |
| 1931 | 780 | 772 | 764 | 777 | 790 | 804 | 790 | 775 | 752 | 730 | 719 | 713 |
| 1932 | 707 | 697 | 703 | 727 | 749 | 784 | 787 | 812 | 792 | 744 | 728 | 722 |
| 1933 | 713 | 701 | 700 | 712 | 721 | 726 | 735 | 752 | 746 | 730 | 720 | 713 |
| 1934 | 709 | 700 | 703 | 730 | 752 | 775 | 768 | 755 | 728 | 702 | 693 | 683 |
| 1935 | 668 | 672 | 679 | 707 | 730 | 762 | 850 | 860 | 845 | 822 | 811 | 796 |
| 1936 | 790 | 780 | 777 | 826 | 849 | 860 | 886 | 897 | 886 | 843 | 826 | 822 |
| 1937 | 814 | 803 | 799 | 802 | 819 | 843 | 868 | 881 | 858 | 833 | 817 | 811 |
| 1938 | 807 | 822 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 822 | 814 | 779 | 687 | 658 | 652 |
| 1940 | 642 | 631 | 634 | 706 | 814 | 849 | 879 | 883 | 867 | 829 | 821 | 812 |
| 1941 | 813 | 810 | 848 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 887 | 884 | 884 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 896 | 864 | 854 | 855 |
| 1944 | 856 | 858 | 858 | 864 | 857 | 868 | 878 | 895 | 874 | 819 | 797 | 791 |
| 1945 | 787 | 793 | 810 | 823 | 862 | 865 | 880 | 896 | 877 | 828 | 812 | 807 |
| 1946 | 807 | 815 | 849 | 864 | 868 | 868 | 887 | 892 | 869 | 814 | 788 | 785 |
| 1947 | 777 | 783 | 791 | 798 | 823 | 846 | 855 | 851 | 833 | 755 | 708 | 701 |
| 1948 | 704 | 704 | 699 | 736 | 741 | 762 | 829 | 858 | 864 | 832 | 813 | 787 |
| 1949 | 773 | 771 | 771 | 776 | 784 | 813 | 835 | 840 | 820 | 790 | 780 | 774 |
| 1950 | 764 | 760 | 759 | 787 | 829 | 859 | 889 | 900 | 886 | 833 | 811 | 810 |
| 1951 | 816 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 889 | 833 | 813 | 814 |
| 1952 | 819 | 823 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 889 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 871 | 867 | 868 |
| 1954 | 870 | 871 | 874 | 858 | 857 | 859 | 883 | 862 | 847 | 777 | 759 | 759 |
| 1955 | 761 | 762 | 771 | 783 | 792 | 805 | 814 | 827 | 800 | 745 | 725 | 722 |
| 1956 | 713 | 709 | 849 | 849 | 849 | 864 | 892 | 900 | 900 | 878 | 876 | 879 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 863 | 881 | 866 | 809 | 795 | 801 |
| 1958 | 803 | 807 | 825 | 845 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 871 | 874 | 853 | 784 | 755 | 758 |
| 1960 | 751 | 739 | 734 | 749 | 811 | 852 | 852 | 858 | 839 | 791 | 779 | 770 |
| 1961 | 759 | 761 | 770 | 782 | 812 | 832 | 838 | 843 | 823 | 738 | 701 | 697 |
| 1962 | 680 | 675 | 684 | 699 | 765 | 801 | 840 | 839 | 824 | 756 | 744 | 723 |
| 1963 | 797 | 809 | 837 | 859 | 867 | 858 | 876 | 900 | 893 | 855 | 849 | 850 |
| 1964 | 851 | 862 | 865 | 866 | 874 | 874 | 880 | 885 | 869 | 810 | 758 | 755 |
| 1965 | 743 | 744 | 849 | 849 | 863 | 870 | 887 | 880 | 882 | 847 | 844 | 846 |
| 1966 | 850 | 859 | 860 | 864 | 870 | 874 | 887 | 876 | 856 | 791 | 755 | 749 |
| 1967 | 734 | 746 | 785 | 839 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 863 | 867 | 848 | 779 | 764 | 761 |
| 1969 | 762 | 768 | 790 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 869 | 871 | 857 | 802 | 787 | 788 |
| 1971 | 791 | 818 | 846 | 864 | 874 | 874 | 893 | 900 | 900 | 860 | 856 | 858 |
| 1972 | 863 | 869 | 865 | 869 | 867 | 874 | 884 | 887 | 867 | 807 | 770 | 771 |
| 1973 | 767 | 783 | 810 | 849 | 849 | 860 | 882 | 900 | 869 | 824 | 812 | 808 |
| 1974 | 812 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 890 | 890 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 880 | 879 | 880 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 862 | 840 | 772 | 737 | 736 |
| 1977 | 723 | 712 | 694 | 690 | 676 | 673 | 641 | 630 | 600 | 577 | 568 | 562 |
| 1978 | 541 | 541 | 591 | 727 | 784 | 856 | 878 | 897 | 892 | 872 | 862 | 869 |
| 1979 | 872 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 862 | 828 | 819 | 816 |
| 1980 | 822 | 825 | 833 | 850 | 849 | 865 | 881 | 893 | 888 | 873 | 866 | 865 |
| 1981 | 864 | 865 | 873 | 860 | 868 | 865 | 875 | 872 | 851 | 784 | 762 | 763 |
| 1982 | 768 | 848 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 894 | 890 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 900 | 899 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 885 | 894 | 878 | 837 | 830 | 832 |
| 1985 | 836 | 849 | 859 | 865 | 874 | 871 | 886 | 872 | 849 | 781 | 726 | 729 |
| 1986 | 720 | 716 | 723 | 760 | 851 | 849 | 871 | 875 | 871 | 840 | 831 | 841 |
| 1987 | 844 | 850 | 846 | 847 | 858 | 867 | 855 | 845 | 816 | 730 | 702 | 696 |
| 1988 | 683 | 696 | 725 | 755 | 761 | 761 | 760 | 752 | 731 | 710 | 698 | 695 |
| 1989 | 690 | 708 | 718 | 726 | 726 | 841 | 867 | 857 | 840 | 782 | 770 | 767 |
| 1990 | 766 | 767 | 752 | 765 | 773 | 800 | 778 | 779 | 758 | 730 | 717 | 712 |
| 1991 | 700 | 694 | 689 | 687 | 676 | 724 | 746 | 759 | 743 | 720 | 715 | 713 |
| 1992 | 708 | 702 | 704 | 707 | 739 | 765 | 780 | 766 | 737 | 707 | 695 | 690 |
| 1993 | 679 | 670 | 689 | 757 | 809 | 861 | 894 | 900 | 900 | 883 | 876 | 874 |
| 1994 | 874 | 874 | 874 | 871 | 862 | 874 | 872 | 867 | 845 | 780 | 754 | 749 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 42 | 7 | 0 | 0 | 17 | 21 | 20 |
| 29 | 6 | 0 | 19 | 70 | 85 | 83 |
| 118 | 131 | 145 | 169 | 190 | 199 | 205 |
| 83 | 64 | 57 | 75 | 106 | 117 | 119 |
| 47 | 13 | 26 | 47 | 85 | 99 | 118 |
| 37 | 10 | 0 | 0 | 35 | 46 | 48 |
| 51 | 22 | 37 | 58 | 132 | 157 | 164 |
| 148 | 143 | 141 | 147 | 164 | 174 | 180 |
| 46 | 24 | 20 | 38 | 88 | 107 | 110 |
| 96 | 110 | 125 | 148 | 170 | 181 | 187 |
| 116 | 113 | 88 | 118 | 156 | 172 | 178 |
| 174 | 165 | 148 | 154 | 170 | 180 | 187 |
| 125 | 132 | 145 | 172 | 198 | 207 | 217 |
| 138 | 50 | 40 | 55 | 78 | 89 | 104 |
| 40 | 14 | 3 | 14 | 57 | 74 | 78 |
| 57 | 32 | 19 | 42 | 67 | 83 | 89 |
| 51 | 18 | 0 | 0 | 1 | 4 | 13 |
| 67 | 78 | 86 | 121 | 213 | 242 | 248 |
| 51 | 21 | 17 | 33 | 71 | 79 | 88 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 |
| 33 | 18 | 0 | 0 | 13 | 16 | 16 |
| 41 | 13 | 3 | 4 | 36 | 46 | 45 |
| 32 | 22 | 5 | 26 | 81 | 103 | 109 |
| 35 | 20 | 4 | 23 | 72 | 88 | 93 |
| 32 | 13 | 8 | 31 | 86 | 112 | 115 |
| 54 | 45 | 49 | 67 | 145 | 192 | 199 |
| 138 | 71 | 42 | 36 | 68 | 87 | 113 |
| 87 | 65 | 60 | 80 | 110 | 120 | 126 |
| 41 | 11 | 0 | 14 | 67 | 89 | 90 |
| 30 | 14 | 0 | 11 | 67 | 87 | 86 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 |
| 33 | 17 | 0 | 0 | 29 | 33 | 32 |
| 41 | 17 | 38 | 53 | 123 | 141 | 141 |
| 95 | 86 | 73 | 100 | 155 | 175 | 178 |
| 36 | 8 | 0 | 0 | 22 | 24 | 21 |
| 37 | 37 | 19 | 34 | 91 | 105 | 99 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 |
| 33 | 29 | 26 | 47 | 116 | 145 | 142 |
| 48 | 48 | 42 | 61 | 109 | 121 | 130 |
| 68 | 62 | 57 | 77 | 162 | 199 | 203 |
| 99 | 60 | 61 | 76 | 144 | 156 | 177 |
| 42 | 24 | 0 | 7 | 45 | 51 | 50 |
| 26 | 20 | 15 | 31 | 90 | 142 | 145 |
| 30 | 13 | 20 | 18 | 53 | 56 | 54 |
| 26 | 13 | 24 | 44 | 109 | 145 | 151 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 |
| 34 | 37 | 33 | 52 | 121 | 136 | 139 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 |
| 26 | 31 | 29 | 43 | 98 | 113 | 112 |
| 26 | 7 | 0 | 0 | 40 | 44 | 42 |
| 26 | 16 | 13 | 33 | 93 | 130 | 129 |
| 40 | 18 | 0 | 31 | 76 | 88 | 92 |
| 51 | 17 | 0 | 0 | 10 | 10 | 14 |
| 48 | 19 | 0 | 0 | 20 | 21 | 18 |
| 26 | 29 | 38 | 60 | 128 | 163 | 164 |
| 227 | 259 | 270 | 300 | 323 | 332 | 338 |
| 44 | 22 | 3 | 8 | 28 | 38 | 31 |
| 37 | 22 | 4 | 38 | 72 | 81 | 84 |
| 35 | 19 | 7 | 12 | 27 | 34 | 35 |
| 35 | 25 | 28 | 49 | 116 | 138 | 137 |
| 41 | 16 | 0 | 0 | 6 | 10 | 13 |
| 51 | 23 | 0 | 0 | 0 | 1 | 13 |
| 29 | 15 | 6 | 22 | 63 | 70 | 88 |
| 29 | 14 | 28 | 51 | 119 | 174 | 171 |
| 51 | 29 | 25 | 29 | 60 | 69 | 59 |
| 33 | 45 | 55 | 84 | 170 | 198 | 204 |
| 139 | 140 | 148 | 169 | 190 | 202 | 205 |
| 59 | 33 | 43 | 60 | 118 | 130 | 133 |
| 100 | 122 | 121 | 142 | 170 | 183 | 188 |
| 176 | 154 | 141 | 157 | 180 | 185 | 187 |
| 135 | 120 | 134 | 163 | | | |

STUDY: 526a
CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 466'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 414 | 405 | 410 | 410 | 424 | 428 | 442 | 466 | 466 | 461 | 444 | 434 |
| 1923 | 425 | 422 | 424 | 424 | 423 | 427 | 449 | 466 | 450 | 428 | 401 | 407 |
| 1924 | 401 | 393 | 386 | 374 | 370 | 349 | 355 | 358 | 334 | 333 | 331 | 334 |
| 1925 | 347 | 361 | 378 | 388 | 424 | 436 | 449 | 466 | 447 | 419 | 400 | 403 |
| 1926 | 401 | 397 | 381 | 375 | 403 | 411 | 442 | 438 | 412 | 365 | 350 | 359 |
| 1927 | 366 | 403 | 422 | 424 | 424 | 437 | 449 | 466 | 460 | 445 | 432 | 430 |
| 1928 | 422 | 423 | 424 | 423 | 423 | 437 | 449 | 452 | 440 | 414 | 393 | 400 |
| 1929 | 378 | 367 | 359 | 340 | 346 | 364 | 379 | 387 | 374 | 337 | 346 | 349 |
| 1930 | 334 | 334 | 384 | 406 | 419 | 436 | 441 | 439 | 413 | 380 | 343 | 341 |
| 1931 | 335 | 349 | 361 | 375 | 383 | 397 | 393 | 390 | 334 | 334 | 336 | 334 |
| 1932 | 334 | 334 | 379 | 402 | 424 | 435 | 444 | 460 | 444 | 404 | 378 | 381 |
| 1933 | 360 | 334 | 345 | 347 | 335 | 363 | 334 | 366 | 339 | 334 | 352 | 347 |
| 1934 | 335 | 335 | 375 | 402 | 419 | 425 | 416 | 413 | 334 | 318 | 295 | 310 |
| 1935 | 326 | 355 | 373 | 398 | 415 | 417 | 449 | 452 | 451 | 416 | 384 | 387 |
| 1936 | 396 | 402 | 406 | 424 | 424 | 437 | 449 | 461 | 454 | 441 | 428 | 427 |
| 1937 | 417 | 409 | 402 | 394 | 422 | 437 | 449 | 466 | 454 | 436 | 420 | 422 |
| 1938 | 412 | 409 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1939 | 425 | 419 | 413 | 406 | 398 | 406 | 414 | 416 | 387 | 334 | 330 | 334 |
| 1940 | 334 | 334 | 334 | 419 | 424 | 437 | 449 | 460 | 447 | 419 | 399 | 405 |
| 1941 | 396 | 394 | 419 | 424 | 424 | 437 | 449 | 466 | 457 | 452 | 443 | 434 |
| 1942 | 425 | 420 | 424 | 424 | 424 | 430 | 449 | 466 | 466 | 463 | 446 | 434 |
| 1943 | 425 | 424 | 423 | 422 | 422 | 434 | 449 | 458 | 449 | 444 | 437 | 434 |
| 1944 | 424 | 417 | 411 | 403 | 404 | 415 | 423 | 428 | 408 | 386 | 334 | 351 |
| 1945 | 340 | 379 | 402 | 409 | 424 | 437 | 449 | 465 | 454 | 439 | 422 | 424 |
| 1946 | 420 | 424 | 424 | 424 | 424 | 437 | 449 | 466 | 450 | 436 | 411 | 410 |
| 1947 | 399 | 404 | 406 | 399 | 405 | 424 | 434 | 436 | 405 | 355 | 334 | 351 |
| 1948 | 365 | 379 | 379 | 403 | 393 | 386 | 426 | 451 | 450 | 434 | 420 | 423 |
| 1949 | 417 | 409 | 405 | 396 | 392 | 415 | 437 | 452 | 440 | 410 | 396 | 403 |
| 1950 | 382 | 377 | 369 | 408 | 424 | 437 | 449 | 466 | 454 | 441 | 430 | 428 |
| 1951 | 422 | 393 | 388 | 388 | 388 | 426 | 449 | 466 | 449 | 432 | 414 | 417 |
| 1952 | 414 | 416 | 424 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1953 | 427 | 421 | 424 | 424 | 424 | 429 | 445 | 456 | 461 | 454 | 442 | 434 |
| 1954 | 424 | 422 | 419 | 420 | 424 | 437 | 449 | 451 | 439 | 418 | 395 | 403 |
| 1955 | 396 | 391 | 400 | 410 | 413 | 416 | 425 | 434 | 417 | 387 | 360 | 371 |
| 1956 | 334 | 354 | 420 | 402 | 406 | 425 | 440 | 466 | 466 | 463 | 444 | 434 |
| 1957 | 427 | 420 | 416 | 410 | 424 | 437 | 433 | 458 | 452 | 439 | 423 | 425 |
| 1958 | 420 | 414 | 415 | 421 | 424 | 437 | 449 | 466 | 466 | 463 | 448 | 434 |
| 1959 | 424 | 417 | 410 | 414 | 422 | 424 | 431 | 432 | 409 | 396 | 341 | 352 |
| 1960 | 334 | 334 | 334 | 360 | 413 | 437 | 447 | 445 | 424 | 392 | 379 | 385 |
| 1961 | 364 | 373 | 383 | 384 | 393 | 404 | 411 | 422 | 405 | 386 | 357 | 357 |
| 1962 | 335 | 343 | 364 | 360 | 421 | 430 | 449 | 456 | 449 | 424 | 412 | 409 |
| 1963 | 439 | 424 | 424 | 424 | 419 | 430 | 449 | 466 | 458 | 446 | 434 | 433 |
| 1964 | 425 | 424 | 423 | 424 | 421 | 418 | 428 | 433 | 413 | 382 | 334 | 334 |
| 1965 | 335 | 366 | 393 | 392 | 395 | 414 | 449 | 463 | 453 | 446 | 439 | 434 |
| 1966 | 425 | 424 | 423 | 424 | 422 | 429 | 443 | 442 | 419 | 394 | 371 | 365 |
| 1967 | 347 | 374 | 415 | 424 | 424 | 437 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1968 | 427 | 424 | 422 | 424 | 424 | 437 | 439 | 440 | 416 | 391 | 377 | 384 |
| 1969 | 383 | 397 | 414 | 424 | 424 | 436 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1970 | 427 | 422 | 423 | 393 | 396 | 425 | 430 | 438 | 426 | 408 | 400 | 406 |
| 1971 | 395 | 409 | 424 | 424 | 424 | 437 | 447 | 460 | 459 | 456 | 438 | 434 |
| 1972 | 425 | 421 | 424 | 423 | 424 | 437 | 443 | 449 | 430 | 407 | 387 | 393 |
| 1973 | 397 | 406 | 424 | 424 | 424 | 437 | 449 | 466 | 450 | 428 | 409 | 413 |
| 1974 | 409 | 423 | 422 | 409 | 417 | 433 | 449 | 466 | 462 | 461 | 444 | 434 |
| 1975 | 425 | 417 | 415 | 412 | 424 | 437 | 440 | 466 | 466 | 459 | 444 | 434 |
| 1976 | 430 | 423 | 418 | 409 | 400 | 394 | 399 | 402 | 369 | 334 | 340 | 341 |
| 1977 | 335 | 334 | 329 | 324 | 319 | 320 | 330 | 337 | 334 | 316 | 289 | 265 |
| 1978 | 255 | 269 | 353 | 424 | 424 | 437 | 449 | 466 | 458 | 448 | 432 | 432 |
| 1979 | 420 | 413 | 405 | 411 | 420 | 437 | 447 | 466 | 448 | 424 | 412 | 413 |
| 1980 | 409 | 410 | 414 | 405 | 399 | 430 | 449 | 463 | 452 | 450 | 445 | 434 |
| 1981 | 425 | 418 | 413 | 411 | 409 | 419 | 429 | 430 | 409 | 387 | 357 | 365 |
| 1982 | 367 | 420 | 392 | 396 | 388 | 424 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1983 | 437 | 415 | 417 | 418 | 418 | 433 | 449 | 466 | 466 | 463 | 449 | 434 |
| 1984 | 434 | 392 | 388 | 388 | 392 | 424 | 441 | 463 | 450 | 433 | 422 | 424 |
| 1985 | 421 | 424 | 424 | 422 | 424 | 433 | 446 | 441 | 412 | 372 | 334 | 334 |
| 1986 | 335 | 364 | 395 | 424 | 396 | 424 | 448 | 462 | 452 | 446 | 440 | 434 |
| 1987 | 426 | 419 | 411 | 403 | 401 | 407 | 412 | 413 | 380 | 334 | 314 | 330 |
| 1988 | 333 | 334 | 368 | 394 | 385 | 382 | 389 | 384 | 345 | 306 | 233 | 364 |
| 1989 | 346 | 368 | 386 | 396 | 388 | 437 | 449 | 451 | 432 | 404 | 363 | 376 |
| 1990 | 387 | 389 | 383 | 397 | 403 | 415 | 422 | 419 | 388 | 334 | 340 | 340 |
| 1991 | 334 | 334 | 335 | 329 | 326 | 380 | 404 | 421 | 419 | 411 | 406 | 405 |
| 1992 | 396 | 383 | 371 | 351 | 377 | 393 | 404 | 403 | 348 | 332 | 311 | 280 |
| 1993 | 275 | 270 | 345 | 424 | 427 | 434 | 449 | 466 | 466 | 453 | 443 | 434 |
| 1994 | 422 | 411 | 405 | 392 | 386 | 386 | 393 | 398 | 374 | 334 | 332 | 323 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 38 | 24 | 0 | 0 | 5 | 22 | 32 |
| 39 | 17 | 0 | 16 | 38 | 65 | 59 |
| 117 | 111 | 108 | 132 | 133 | 135 | 132 |
| 30 | 17 | 0 | 19 | 47 | 66 | 63 |
| 55 | 24 | 28 | 54 | 101 | 116 | 107 |
| 29 | 17 | 0 | 6 | 21 | 34 | 36 |
| 29 | 17 | 14 | 26 | 52 | 73 | 66 |
| 102 | 87 | 79 | 92 | 129 | 120 | 117 |
| 30 | 25 | 27 | 53 | 86 | 123 | 125 |
| 69 | 73 | 76 | 132 | 132 | 130 | 132 |
| 31 | 22 | 6 | 22 | 62 | 88 | 85 |
| 103 | 132 | 100 | 127 | 132 | 114 | 119 |
| 41 | 50 | 53 | 132 | 148 | 171 | 156 |
| 49 | 17 | 14 | 15 | 50 | 82 | 79 |
| 29 | 17 | 5 | 12 | 25 | 38 | 39 |
| 29 | 17 | 0 | 12 | 30 | 46 | 44 |
| 29 | 17 | 0 | 9 | 13 | 17 | 32 |
| 60 | 57 | 50 | 79 | 132 | 136 | 132 |
| 29 | 17 | 6 | 19 | 47 | 67 | 61 |
| 29 | 17 | 0 | 19 | 14 | 23 | 32 |
| 36 | 17 | 0 | 0 | 3 | 20 | 32 |
| 32 | 17 | 8 | 17 | 22 | 29 | 32 |
| 51 | 43 | 38 | 58 | 80 | 132 | 115 |
| 29 | 17 | 1 | 12 | 27 | 44 | 42 |
| 29 | 17 | 0 | 16 | 30 | 55 | 56 |
| 42 | 32 | 30 | 61 | 111 | 132 | 115 |
| 80 | 40 | 15 | 16 | 32 | 46 | 43 |
| 51 | 29 | 14 | 26 | 56 | 70 | 63 |
| 29 | 17 | 0 | 12 | 25 | 36 | 38 |
| 40 | 17 | 0 | 17 | 34 | 52 | 49 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 37 | 21 | 10 | 5 | 12 | 24 | 32 |
| 29 | 17 | 15 | 27 | 48 | 71 | 63 |
| 50 | 41 | 32 | 49 | 79 | 106 | 95 |
| 41 | 26 | 0 | 0 | 3 | 22 | 32 |
| 29 | 33 | 8 | 14 | 27 | 43 | 41 |
| 29 | 17 | 0 | 0 | 3 | 18 | 32 |
| 42 | 35 | 34 | 57 | 80 | 125 | 114 |
| 29 | 19 | 21 | 42 | 74 | 87 | 81 |
| 62 | 55 | 44 | 61 | 80 | 109 | 109 |
| 36 | 17 | 10 | 17 | 42 | 54 | 57 |
| 36 | 17 | 0 | 8 | 20 | 32 | 33 |
| 48 | 38 | 33 | 53 | 84 | 132 | 132 |
| 52 | 17 | 3 | 13 | 20 | 27 | 32 |
| 37 | 23 | 24 | 47 | 72 | 95 | 101 |
| 29 | 17 | 0 | 0 | 3 | 17 | 32 |
| 29 | 17 | 26 | 50 | 75 | 89 | 82 |
| 30 | 17 | 0 | 0 | 3 | 17 | 32 |
| 41 | 36 | 28 | 40 | 58 | 66 | 60 |
| 29 | 19 | 6 | 7 | 10 | 28 | 32 |
| 29 | 23 | 17 | 36 | 59 | 79 | 73 |
| 29 | 17 | 0 | 16 | 38 | 57 | 53 |
| 33 | 17 | 0 | 4 | 5 | 22 | 32 |
| 29 | 26 | 0 | 0 | 12 | 22 | 32 |
| 72 | 67 | 64 | 97 | 132 | 126 | 125 |
| 146 | 136 | 129 | 132 | 150 | 177 | 201 |
| 29 | 17 | 0 | 8 | 18 | 34 | 34 |
| 29 | 19 | 0 | 18 | 42 | 54 | 53 |
| 36 | 17 | 3 | 14 | 16 | 21 | 32 |
| 47 | 37 | 36 | 57 | 79 | 109 | 101 |
| 42 | 17 | 0 | 0 | 3 | 17 | 32 |
| 33 | 17 | 0 | 0 | 3 | 17 | 32 |
| 42 | 26 | 3 | 16 | 33 | 44 | 42 |
| 33 | 20 | 25 | 54 | 94 | 132 | 132 |
| 42 | 18 | 4 | 14 | 20 | 26 | 32 |
| 59 | 54 | 53 | 86 | 132 | 152 | 136 |
| 84 | 77 | 82 | 121 | 160 | 233 | 102 |
| 29 | 17 | 15 | 34 | 62 | 103 | 90 |
| 51 | 44 | 47 | 78 | 132 | 126 | 126 |
| 85 | 62 | 45 | 47 | 55 | 60 | 61 |
| 73 | 62 | 63 | 118 | 134 | 155 | 186 |
| 32 | 17 | 0 | 0 | 13 | 23 | |

STUDY: 526a
 CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 1088'

| YEAR | Elevation in feet | | | | | | | | | | | |
|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| 1922 | 940 | 943 | 948 | 954 | 968 | 978 | 974 | 990 | 1013 | 1004 | 992 | 981 |
| 1923 | 980 | 984 | 984 | 1002 | 1008 | 1007 | 1004 | 1008 | 1009 | 999 | 985 | 976 |
| 1924 | 975 | 977 | 981 | 985 | 988 | 989 | 979 | 967 | 954 | 942 | 930 | 926 |
| 1925 | 926 | 928 | 932 | 935 | 953 | 965 | 966 | 982 | 986 | 977 | 964 | 957 |
| 1926 | 955 | 956 | 959 | 961 | 972 | 975 | 975 | 965 | 951 | 937 | 923 | 912 |
| 1927 | 913 | 918 | 927 | 934 | 953 | 964 | 973 | 984 | 987 | 976 | 963 | 957 |
| 1928 | 957 | 963 | 968 | 972 | 980 | 1001 | 999 | 1001 | 993 | 979 | 964 | 957 |
| 1929 | 956 | 958 | 961 | 964 | 968 | 969 | 964 | 960 | 950 | 938 | 925 | 918 |
| 1930 | 919 | 921 | 923 | 927 | 933 | 941 | 941 | 936 | 931 | 917 | 896 | 883 |
| 1931 | 884 | 889 | 892 | 896 | 901 | 904 | 897 | 883 | 865 | 847 | 829 | 819 |
| 1932 | 818 | 821 | 833 | 841 | 864 | 875 | 875 | 911 | 930 | 923 | 905 | 893 |
| 1933 | 894 | 896 | 902 | 907 | 911 | 914 | 906 | 902 | 899 | 878 | 856 | 844 |
| 1934 | 845 | 849 | 855 | 861 | 870 | 880 | 871 | 857 | 837 | 818 | 791 | 773 |
| 1935 | 770 | 773 | 780 | 793 | 805 | 816 | 834 | 877 | 898 | 883 | 863 | 851 |
| 1936 | 851 | 855 | 860 | 877 | 914 | 927 | 940 | 963 | 970 | 960 | 947 | 940 |
| 1937 | 940 | 942 | 946 | 951 | 964 | 977 | 979 | 1003 | 1007 | 998 | 987 | 979 |
| 1938 | 980 | 982 | 995 | 1004 | 1023 | 1044 | 1052 | 1079 | 1088 | 1084 | 1075 | 1069 |
| 1939 | 1050 | 1050 | 1050 | 1050 | 1050 | 1052 | 1050 | 1038 | 1025 | 1012 | 999 | 992 |
| 1940 | 988 | 989 | 992 | 1004 | 1018 | 1035 | 1044 | 1055 | 1047 | 1034 | 1022 | 1014 |
| 1941 | 1014 | 1016 | 1021 | 1028 | 1038 | 1048 | 1044 | 1059 | 1065 | 1058 | 1048 | 1040 |
| 1942 | 1039 | 1040 | 1046 | 1050 | 1050 | 1055 | 1055 | 1067 | 1081 | 1078 | 1068 | 1062 |
| 1943 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1061 | 1068 | 1067 | 1058 | 1048 | 1041 |
| 1944 | 1039 | 1040 | 1042 | 1043 | 1046 | 1050 | 1044 | 1041 | 1034 | 1021 | 1008 | 1000 |
| 1945 | 998 | 1003 | 1007 | 1012 | 1026 | 1035 | 1035 | 1048 | 1054 | 1045 | 1033 | 1026 |
| 1946 | 1025 | 1030 | 1040 | 1048 | 1050 | 1054 | 1053 | 1061 | 1058 | 1046 | 1034 | 1028 |
| 1947 | 1026 | 1029 | 1032 | 1034 | 1037 | 1040 | 1029 | 1020 | 1011 | 1000 | 988 | 981 |
| 1948 | 980 | 981 | 984 | 986 | 987 | 991 | 990 | 992 | 1000 | 991 | 979 | 972 |
| 1949 | 970 | 973 | 976 | 979 | 982 | 989 | 982 | 986 | 980 | 967 | 954 | 947 |
| 1950 | 945 | 946 | 948 | 956 | 966 | 975 | 974 | 986 | 992 | 980 | 967 | 960 |
| 1951 | 958 | 995 | 1034 | 1046 | 1050 | 1055 | 1048 | 1041 | 1033 | 1020 | 1007 | 1000 |
| 1952 | 998 | 1001 | 1008 | 1022 | 1033 | 1046 | 1048 | 1077 | 1088 | 1086 | 1076 | 1070 |
| 1953 | 1050 | 1050 | 1050 | 1050 | 1050 | 1054 | 1046 | 1036 | 1038 | 1029 | 1016 | 1009 |
| 1954 | 1006 | 1008 | 1011 | 1014 | 1016 | 1023 | 1026 | 1028 | 1019 | 1006 | 993 | 983 |
| 1955 | 980 | 983 | 987 | 993 | 994 | 997 | 990 | 983 | 980 | 966 | 953 | 945 |
| 1956 | 945 | 947 | 980 | 1009 | 1023 | 1032 | 1023 | 1040 | 1052 | 1045 | 1033 | 1027 |
| 1957 | 1024 | 1026 | 1028 | 1031 | 1036 | 1043 | 1031 | 1027 | 1028 | 1015 | 1003 | 995 |
| 1958 | 989 | 992 | 995 | 1001 | 1010 | 1025 | 1032 | 1061 | 1075 | 1069 | 1059 | 1053 |
| 1959 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1046 | 1030 | 1018 | 1005 | 992 | 983 |
| 1960 | 979 | 981 | 984 | 987 | 994 | 999 | 997 | 992 | 981 | 967 | 954 | 945 |
| 1961 | 940 | 944 | 948 | 950 | 953 | 956 | 951 | 944 | 932 | 920 | 902 | 891 |
| 1962 | 891 | 894 | 898 | 901 | 918 | 925 | 927 | 936 | 939 | 928 | 911 | 897 |
| 1963 | 898 | 902 | 909 | 922 | 940 | 947 | 948 | 977 | 984 | 976 | 964 | 957 |
| 1964 | 957 | 962 | 967 | 973 | 976 | 980 | 973 | 965 | 957 | 943 | 930 | 921 |
| 1965 | 921 | 924 | 956 | 983 | 997 | 1005 | 1013 | 1013 | 1018 | 1011 | 1000 | 993 |
| 1966 | 992 | 997 | 1002 | 1007 | 1012 | 1017 | 1007 | 1004 | 994 | 980 | 967 | 958 |
| 1967 | 957 | 960 | 972 | 987 | 996 | 1008 | 1009 | 1032 | 1060 | 1064 | 1055 | 1049 |
| 1968 | 1047 | 1049 | 1050 | 1050 | 1050 | 1054 | 1042 | 1033 | 1022 | 1008 | 994 | 984 |
| 1969 | 982 | 987 | 990 | 1020 | 1041 | 1055 | 1066 | 1088 | 1088 | 1084 | 1074 | 1066 |
| 1970 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1047 | 1041 | 1038 | 1025 | 1012 | 1005 |
| 1971 | 1003 | 1007 | 1015 | 1022 | 1028 | 1035 | 1026 | 1021 | 1021 | 1011 | 998 | 990 |
| 1972 | 986 | 990 | 997 | 1002 | 1008 | 1007 | 993 | 992 | 982 | 968 | 954 | 947 |
| 1973 | 947 | 950 | 956 | 971 | 991 | 1003 | 1004 | 1022 | 1026 | 1016 | 1006 | 1001 |
| 1974 | 1001 | 1007 | 1017 | 1030 | 1039 | 1053 | 1057 | 1068 | 1067 | 1058 | 1047 | 1040 |
| 1975 | 1039 | 1041 | 1044 | 1047 | 1050 | 1055 | 1050 | 1049 | 1062 | 1053 | 1042 | 1035 |
| 1976 | 1033 | 1036 | 1039 | 1041 | 1043 | 1046 | 1040 | 1031 | 1020 | 1010 | 1000 | 995 |
| 1977 | 995 | 996 | 997 | 998 | 998 | 998 | 989 | 977 | 968 | 956 | 944 | 938 |
| 1978 | 937 | 936 | 940 | 951 | 963 | 983 | 993 | 1010 | 1021 | 1010 | 1010 | 1007 |
| 1979 | 1007 | 1010 | 1013 | 1022 | 1034 | 1048 | 1048 | 1057 | 1052 | 1039 | 1025 | 1018 |
| 1980 | 1019 | 1022 | 1025 | 1050 | 1050 | 1055 | 1056 | 1063 | 1070 | 1068 | 1057 | 1051 |
| 1981 | 1050 | 1050 | 1050 | 1050 | 1050 | 1053 | 1045 | 1034 | 1019 | 1005 | 992 | 984 |
| 1982 | 982 | 991 | 1006 | 1027 | 1050 | 1055 | 1071 | 1086 | 1088 | 1084 | 1075 | 1071 |
| 1983 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1056 | 1070 | 1088 | 1088 | 1082 | 1075 |
| 1984 | 1050 | 1050 | 1050 | 1050 | 1050 | 1055 | 1044 | 1037 | 1033 | 1022 | 1011 | 1006 |
| 1985 | 1005 | 1009 | 1015 | 1018 | 1023 | 1029 | 1021 | 1015 | 1005 | 995 | 983 | 977 |
| 1986 | 977 | 980 | 985 | 994 | 1044 | 1055 | 1056 | 1061 | 1065 | 1055 | 1045 | 1040 |
| 1987 | 1039 | 1041 | 1044 | 1046 | 1046 | 1049 | 1044 | 1034 | 1023 | 1014 | 1006 | 1002 |
| 1988 | 998 | 998 | 999 | 1000 | 1002 | 1004 | 998 | 988 | 978 | 968 | 959 | 953 |
| 1989 | 952 | 952 | 953 | 954 | 956 | 968 | 965 | 960 | 952 | 940 | 929 | 924 |
| 1990 | 927 | 930 | 934 | 937 | 940 | 945 | 937 | 926 | 911 | 892 | 876 | 867 |
| 1991 | 866 | 867 | 872 | 872 | 871 | 880 | 875 | 870 | 854 | 835 | 817 | 810 |
| 1992 | 812 | 814 | 819 | 822 | 834 | 842 | 834 | 818 | 793 | 763 | 728 | 715 |
| 1993 | 723 | 737 | 755 | 789 | 887 | 941 | 930 | 935 | 945 | 936 | 925 | 921 |
| 1994 | 920 | 921 | 925 | 926 | 927 | 932 | 929 | 926 | 913 | 894 | 877 | 869 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 120 | 110 | 114 | 98 | 75 | 84 | 96 | 1 |
| 80 | 81 | 84 | 80 | 79 | 89 | 103 | 1 |
| 100 | 99 | 109 | 121 | 134 | 146 | 158 | 1 |
| 135 | 123 | 122 | 106 | 107 | 111 | 124 | 1 |
| 116 | 113 | 113 | 123 | 132 | 151 | 165 | 1 |
| 135 | 124 | 115 | 104 | 101 | 112 | 125 | 1 |
| 108 | 87 | 89 | 87 | 95 | 109 | 124 | 1 |
| 120 | 119 | 124 | 128 | 138 | 150 | 163 | 1 |
| 155 | 147 | 147 | 152 | 157 | 171 | 192 | 1 |
| 187 | 184 | 191 | 205 | 223 | 241 | 259 | 1 |
| 224 | 213 | 213 | 177 | 158 | 165 | 183 | 1 |
| 177 | 174 | 182 | 186 | 189 | 210 | 232 | 1 |
| 218 | 208 | 217 | 231 | 251 | 270 | 297 | 1 |
| 283 | 272 | 254 | 211 | 190 | 205 | 225 | 1 |
| 174 | 161 | 148 | 125 | 118 | 128 | 141 | 1 |
| 124 | 111 | 109 | 85 | 81 | 90 | 101 | 1 |
| 65 | 44 | 36 | 9 | 0 | 4 | 13 | 1 |
| 38 | 36 | 38 | 50 | 63 | 76 | 89 | 1 |
| 70 | 53 | 44 | 33 | 41 | 54 | 66 | 1 |
| 50 | 40 | 44 | 29 | 23 | 30 | 40 | 1 |
| 38 | 33 | 33 | 21 | 7 | 10 | 20 | 1 |
| 38 | 33 | 27 | 20 | 21 | 30 | 40 | 1 |
| 42 | 38 | 44 | 47 | 54 | 67 | 80 | 1 |
| 62 | 53 | 53 | 40 | 34 | 43 | 55 | 1 |
| 51 | 38 | 35 | 27 | 30 | 42 | 54 | 1 |
| 38 | 44 | 59 | 68 | 77 | 88 | 100 | 1 |
| 101 | 97 | 98 | 96 | 88 | 97 | 109 | 1 |
| 106 | 99 | 106 | 102 | 108 | 121 | 134 | 1 |
| 122 | 113 | 114 | 102 | 96 | 108 | 121 | 1 |
| 38 | 33 | 40 | 42 | 55 | 68 | 81 | 1 |
| 55 | 42 | 40 | 11 | 0 | 2 | 12 | 1 |
| 38 | 34 | 42 | 52 | 50 | 59 | 72 | 1 |
| 72 | 65 | 62 | 60 | 69 | 82 | 95 | 1 |
| 94 | 91 | 98 | 105 | 108 | 122 | 135 | 1 |
| 65 | 56 | 65 | 48 | 36 | 43 | 55 | 1 |
| 52 | 45 | 57 | 61 | 60 | 73 | 85 | 1 |
| 78 | 63 | 56 | 27 | 13 | 19 | 29 | 1 |
| 38 | 35 | 42 | 58 | 70 | 83 | 96 | 1 |
| 94 | 89 | 91 | 96 | 107 | 121 | 134 | 1 |
| 135 | 132 | 137 | 144 | 156 | 168 | 186 | 1 |
| 170 | 163 | 161 | 152 | 149 | 160 | 177 | 1 |
| 148 | 141 | 140 | 111 | 104 | 112 | 124 | 1 |
| 112 | 108 | 115 | 123 | 131 | 145 | 158 | 1 |
| 91 | 83 | 75 | 75 | 70 | 77 | 88 | 1 |
| 76 | 71 | 81 | 84 | 94 | 108 | 121 | 1 |
| 92 | 80 | 79 | 56 | 28 | 24 | 33 | 1 |
| 38 | 34 | 46 | 55 | 66 | 80 | 94 | 1 |
| 47 | 33 | 22 | 0 | 0 | 4 | 14 | 1 |
| 38 | 33 | 41 | 47 | 50 | 63 | 76 | 1 |
| 60 | 53 | 62 | 67 | 67 | 77 | 90 | 1 |
| 85 | 81 | 95 | 96 | 106 | 120 | 134 | 1 |
| 97 | 85 | 84 | 66 | 62 | 72 | 82 | 1 |
| 49 | 35 | 31 | 20 | 21 | 30 | 41 | 1 |
| 45 | 32 | 38 | 39 | 26 | 35 | 46 | 1 |
| 38 | 42 | 48 | 57 | 68 | 78 | 88 | 1 |

STUDY: 526a

CP # 81, DON PEDRO RESERVOIR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 832'
Elevation in feet

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 598 | 581 | 578 | 600 | 655 | 690 | 698 | 724 | 781 | 778 | 763 | 752 |
| 1923 | 746 | 745 | 748 | 760 | 775 | 784 | 788 | 792 | 801 | 794 | 779 | 770 |
| 1924 | 764 | 761 | 756 | 755 | 756 | 754 | 748 | 742 | 734 | 722 | 708 | 700 |
| 1925 | 695 | 695 | 696 | 700 | 722 | 739 | 751 | 762 | 780 | 771 | 755 | 744 |
| 1926 | 737 | 734 | 730 | 729 | 738 | 742 | 756 | 768 | 765 | 750 | 734 | 725 |
| 1927 | 717 | 717 | 721 | 729 | 758 | 773 | 784 | 782 | 800 | 793 | 778 | 768 |
| 1928 | 762 | 762 | 762 | 765 | 774 | 792 | 801 | 818 | 818 | 803 | 788 | 779 |
| 1929 | 772 | 767 | 763 | 762 | 766 | 767 | 767 | 770 | 778 | 769 | 759 | 752 |
| 1930 | 747 | 744 | 741 | 742 | 748 | 755 | 756 | 759 | 772 | 763 | 754 | 747 |
| 1931 | 745 | 744 | 743 | 745 | 748 | 747 | 739 | 727 | 714 | 700 | 687 | 679 |
| 1932 | 676 | 671 | 683 | 699 | 736 | 751 | 752 | 756 | 772 | 767 | 752 | 741 |
| 1933 | 734 | 727 | 721 | 720 | 727 | 730 | 726 | 719 | 736 | 725 | 708 | 697 |
| 1934 | 688 | 686 | 684 | 687 | 698 | 707 | 705 | 698 | 694 | 676 | 658 | 647 |
| 1935 | 640 | 639 | 641 | 655 | 682 | 697 | 723 | 734 | 764 | 751 | 734 | 721 |
| 1936 | 713 | 711 | 705 | 711 | 753 | 770 | 779 | 796 | 814 | 804 | 789 | 778 |
| 1937 | 772 | 767 | 762 | 765 | 793 | 800 | 802 | 815 | 832 | 819 | 805 | 795 |
| 1938 | 789 | 784 | 800 | 800 | 800 | 800 | 800 | 804 | 831 | 832 | 819 | 808 |
| 1939 | 800 | 799 | 800 | 800 | 800 | 800 | 802 | 804 | 799 | 787 | 774 | 766 |
| 1940 | 764 | 763 | 761 | 773 | 800 | 800 | 802 | 816 | 829 | 814 | 799 | 789 |
| 1941 | 783 | 781 | 783 | 798 | 800 | 800 | 800 | 812 | 832 | 831 | 817 | 808 |
| 1942 | 800 | 798 | 800 | 800 | 800 | 800 | 802 | 807 | 831 | 832 | 818 | 808 |
| 1943 | 800 | 800 | 800 | 800 | 800 | 800 | 802 | 821 | 832 | 824 | 810 | 799 |
| 1944 | 794 | 792 | 788 | 787 | 793 | 800 | 801 | 808 | 814 | 802 | 787 | 777 |
| 1945 | 772 | 773 | 776 | 781 | 800 | 800 | 802 | 807 | 831 | 825 | 810 | 799 |
| 1946 | 796 | 797 | 800 | 800 | 800 | 800 | 802 | 806 | 812 | 796 | 780 | 769 |
| 1947 | 763 | 763 | 765 | 768 | 776 | 781 | 778 | 782 | 776 | 764 | 750 | 742 |
| 1948 | 739 | 738 | 737 | 738 | 739 | 740 | 735 | 743 | 769 | 758 | 740 | 730 |
| 1949 | 723 | 717 | 712 | 711 | 718 | 729 | 735 | 745 | 752 | 734 | 715 | 702 |
| 1950 | 694 | 687 | 681 | 687 | 706 | 719 | 727 | 737 | 754 | 738 | 720 | 707 |
| 1951 | 701 | 749 | 797 | 800 | 800 | 800 | 798 | 794 | 798 | 783 | 769 | 759 |
| 1952 | 752 | 750 | 757 | 782 | 800 | 800 | 800 | 820 | 832 | 832 | 819 | 808 |
| 1953 | 800 | 795 | 793 | 800 | 800 | 800 | 802 | 804 | 814 | 810 | 796 | 787 |
| 1954 | 782 | 778 | 775 | 776 | 785 | 797 | 802 | 819 | 820 | 805 | 789 | 780 |
| 1955 | 774 | 770 | 768 | 774 | 780 | 784 | 780 | 784 | 790 | 778 | 766 | 759 |
| 1956 | 752 | 749 | 798 | 800 | 800 | 800 | 802 | 818 | 832 | 832 | 818 | 808 |
| 1957 | 800 | 796 | 793 | 793 | 799 | 800 | 800 | 806 | 827 | 814 | 800 | 791 |
| 1958 | 786 | 781 | 779 | 783 | 800 | 800 | 800 | 821 | 832 | 832 | 819 | 808 |
| 1959 | 800 | 794 | 789 | 793 | 800 | 800 | 802 | 800 | 794 | 782 | 770 | 763 |
| 1960 | 760 | 758 | 755 | 756 | 763 | 769 | 770 | 775 | 778 | 768 | 758 | 752 |
| 1961 | 748 | 746 | 746 | 748 | 750 | 749 | 743 | 733 | 726 | 713 | 701 | 694 |
| 1962 | 691 | 688 | 686 | 687 | 712 | 732 | 742 | 745 | 771 | 763 | 749 | 739 |
| 1963 | 732 | 727 | 724 | 728 | 754 | 765 | 773 | 784 | 809 | 804 | 791 | 781 |
| 1964 | 776 | 777 | 778 | 782 | 789 | 791 | 788 | 784 | 787 | 775 | 764 | 757 |
| 1965 | 753 | 754 | 786 | 800 | 800 | 800 | 802 | 807 | 827 | 827 | 816 | 807 |
| 1966 | 800 | 800 | 800 | 800 | 800 | 800 | 801 | 798 | 791 | 776 | 761 | 752 |
| 1967 | 747 | 744 | 755 | 771 | 788 | 800 | 800 | 817 | 832 | 832 | 820 | 808 |
| 1968 | 800 | 795 | 791 | 792 | 800 | 800 | 802 | 805 | 803 | 791 | 779 | 771 |
| 1969 | 766 | 767 | 770 | 800 | 800 | 800 | 800 | 823 | 832 | 832 | 819 | 808 |
| 1970 | 800 | 799 | 800 | 800 | 800 | 800 | 799 | 799 | 807 | 795 | 780 | 771 |
| 1971 | 765 | 766 | 772 | 788 | 800 | 800 | 801 | 801 | 807 | 798 | 786 | 778 |
| 1972 | 773 | 769 | 772 | 778 | 792 | 800 | 800 | 798 | 795 | 783 | 772 | 766 |
| 1973 | 762 | 761 | 763 | 774 | 800 | 800 | 802 | 812 | 827 | 812 | 797 | 788 |
| 1974 | 783 | 787 | 798 | 800 | 800 | 800 | 800 | 806 | 828 | 819 | 805 | 796 |
| 1975 | 791 | 789 | 786 | 786 | 798 | 800 | 802 | 812 | 832 | 825 | 812 | 803 |
| 1976 | 800 | 800 | 799 | 799 | 800 | 799 | 794 | 787 | 777 | 767 | 757 | 751 |
| 1977 | 748 | 745 | 742 | 741 | 741 | 737 | 728 | 715 | 701 | 687 | 671 | 662 |
| 1978 | 658 | 654 | 657 | 683 | 716 | 748 | 761 | 776 | 813 | 821 | 808 | 802 |
| 1979 | 797 | 794 | 790 | 800 | 800 | 800 | 802 | 822 | 832 | 818 | 803 | 794 |
| 1980 | 789 | 788 | 787 | 800 | 800 | 800 | 800 | 817 | 832 | 832 | 819 | 808 |
| 1981 | 800 | 797 | 794 | 795 | 799 | 800 | 802 | 806 | 805 | 793 | 782 | 774 |
| 1982 | 770 | 776 | 795 | 800 | 800 | 800 | 800 | 820 | 832 | 832 | 820 | 808 |
| 1983 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 819 | 832 | 832 | 832 | 808 |
| 1984 | 800 | 800 | 800 | 800 | 800 | 800 | 797 | 803 | 814 | 801 | 786 | 776 |
| 1985 | 773 | 773 | 779 | 786 | 794 | 800 | 801 | 799 | 795 | 784 | 772 | 766 |
| 1986 | 763 | 764 | 767 | 774 | 800 | 800 | 802 | 827 | 832 | 825 | 811 | 802 |
| 1987 | 796 | 791 | 786 | 784 | 786 | 788 | 786 | 783 | 779 | 769 | 759 | 752 |
| 1988 | 750 | 749 | 749 | 754 | 759 | 761 | 756 | 747 | 740 | 728 | 716 | 709 |
| 1989 | 705 | 702 | 702 | 705 | 708 | 722 | 734 | 747 | 755 | 743 | 733 | 727 |
| 1990 | 725 | 725 | 725 | 727 | 730 | 733 | 730 | 726 | 724 | 709 | 696 | 688 |
| 1991 | 684 | 681 | 676 | 675 | 675 | 684 | 683 | 698 | 709 | 699 | 689 | 683 |
| 1992 | 682 | 682 | 681 | 684 | 693 | 698 | 701 | 707 | 706 | 692 | 677 | 666 |
| 1993 | 660 | 655 | 654 | 689 | 721 | 750 | 758 | 772 | 803 | 802 | 788 | 778 |
| 1994 | 772 | 767 | 762 | 762 | 765 | 768 | 765 | 768 | 767 | 756 | 746 | 740 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 142 | 134 | 108 | 51 | 54 | 69 | 80 |
| 48 | 44 | 40 | 31 | 38 | 53 | 62 |
| 78 | 84 | 90 | 98 | 110 | 124 | 132 |
| 93 | 81 | 70 | 52 | 61 | 77 | 88 |
| 90 | 76 | 64 | 67 | 82 | 98 | 107 |
| 59 | 48 | 50 | 32 | 39 | 54 | 64 |
| 40 | 31 | 14 | 14 | 29 | 44 | 53 |
| 65 | 65 | 62 | 54 | 63 | 73 | 80 |
| 77 | 76 | 73 | 60 | 69 | 78 | 85 |
| 85 | 93 | 105 | 118 | 132 | 145 | 153 |
| 81 | 80 | 76 | 60 | 65 | 80 | 91 |
| 102 | 106 | 113 | 96 | 107 | 124 | 135 |
| 125 | 127 | 134 | 138 | 156 | 174 | 185 |
| 135 | 109 | 98 | 68 | 81 | 98 | 111 |
| 62 | 53 | 36 | 18 | 28 | 43 | 54 |
| 32 | 30 | 17 | 0 | 13 | 27 | 37 |
| 32 | 32 | 28 | 1 | 0 | 13 | 24 |
| 32 | 30 | 28 | 33 | 45 | 58 | 66 |
| 32 | 30 | 16 | 3 | 18 | 33 | 43 |
| 32 | 32 | 20 | 0 | 1 | 15 | 24 |
| 32 | 30 | 25 | 1 | 0 | 14 | 24 |
| 32 | 30 | 11 | 0 | 8 | 22 | 33 |
| 32 | 31 | 24 | 18 | 30 | 45 | 55 |
| 32 | 30 | 25 | 1 | 7 | 22 | 33 |
| 32 | 30 | 26 | 20 | 36 | 52 | 63 |
| 51 | 54 | 50 | 56 | 68 | 82 | 90 |
| 92 | 97 | 89 | 63 | 74 | 92 | 102 |
| 103 | 97 | 87 | 80 | 98 | 117 | 130 |
| 113 | 105 | 95 | 78 | 94 | 112 | 125 |
| 32 | 34 | 38 | 34 | 49 | 63 | 73 |
| 32 | 32 | 12 | 0 | 0 | 13 | 24 |
| 32 | 30 | 28 | 18 | 22 | 36 | 45 |
| 35 | 30 | 13 | 12 | 27 | 43 | 52 |
| 48 | 52 | 48 | 42 | 54 | 66 | 73 |
| 32 | 30 | 14 | 0 | 0 | 14 | 24 |
| 32 | 32 | 26 | 5 | 18 | 32 | 41 |
| 32 | 32 | 11 | 0 | 0 | 13 | 24 |
| 32 | 30 | 32 | 38 | 50 | 62 | 69 |
| 63 | 62 | 57 | 54 | 64 | 74 | 80 |
| 83 | 89 | 99 | 106 | 119 | 131 | 138 |
| 100 | 90 | 87 | 61 | 69 | 83 | 93 |
| 67 | 59 | 48 | 23 | 28 | 41 | 51 |
| 41 | 44 | 48 | 45 | 57 | 68 | 75 |
| 32 | 30 | 25 | 5 | 16 | 25 | 35 |
| 32 | 31 | 34 | 41 | 56 | 71 | 80 |
| 32 | 32 | 15 | 0 | 0 | 12 | 24 |
| 32 | 30 | 27 | 29 | 41 | 53 | 61 |
| 32 | 32 | 9 | 0 | 0 | 13 | 24 |
| 32 | 33 | 33 | 25 | 37 | 52 | 61 |
| 32 | 31 | 31 | 25 | 34 | 46 | 54 |
| 32 | 32 | 34 | 37 | 49 | 60 | 66 |
| 32 | 30 | 20 | 5 | 20 | 35 | 44 |
| 32 | 32 | 26 | 4 | 13 | 27 | 36 |
| 32 | 30 | 20 | 0 | 7 | 20 | 29 |
| 33 | 38 | 45 | 55 | 65 | 75 | 81 |
| 95 | 104 | 117 | 131 | 145 | 161 | 170 |
| 84 | 71 | 56 | 19 | 11 | 24 | 30 |
| 32 | 30 | 10 | 0 | 14 | 29 | 38 |
| 32 | 32 | 15 | 0 | 0 | 13 | 24 |
| 32 | 30 | 26 | 27 | 39 | 50 | 58 |
| 32 | 32 | 12 | 0 | 0 | 12 | 24 |
| 32 | 32 | 13 | 0 | 0 | 0 | 24 |
| 32 | 35 | 29 | 18 | 31 | 46 | 56 |
| 32 | 31 | 33 | 37 | 48 | 60 | 66 |
| 32 | 30 | 5 | 0 | 7 | 21 | 30 |
| 44 | 46 | 49 | 53 | 63 | 73 | 80 |
| 71 | 76 | 85 | 92 | 104 | 116 | 123 |
| 110 | 98 | | | | | |

Joint Point Alternative 8

STUDY: 526a
CP # 20, LAKE McCULLURE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 867

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 679 | 679 | 695 | 710 | 759 | 779 | 789 | 845 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 813 | 827 | 854 | 859 | 850 | 835 | 825 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 809 | 810 | 797 | 779 | 766 | 756 |
| 1925 | 752 | 758 | 763 | 767 | 792 | 801 | 819 | 840 | 844 | 831 | 815 | 803 |
| 1926 | 801 | 801 | 802 | 804 | 808 | 812 | 831 | 827 | 826 | 822 | 814 | 806 |
| 1927 | 802 | 803 | 807 | 807 | 808 | 815 | 817 | 844 | 854 | 849 | 845 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 824 | 821 | 815 | 810 | 807 |
| 1929 | 805 | 804 | 804 | 803 | 805 | 807 | 808 | 811 | 811 | 813 | 816 | 810 |
| 1930 | 806 | 804 | 804 | 804 | 804 | 800 | 802 | 803 | 807 | 810 | 813 | 811 |
| 1931 | 808 | 808 | 808 | 808 | 808 | 808 | 808 | 806 | 794 | 776 | 762 | 752 |
| 1932 | 750 | 751 | 770 | 782 | 808 | 817 | 826 | 847 | 864 | 854 | 839 | 829 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 813 | 816 | 830 | 817 | 802 | 794 |
| 1934 | 789 | 788 | 792 | 797 | 805 | 813 | 819 | 810 | 801 | 784 | 770 | 761 |
| 1935 | 757 | 761 | 766 | 784 | 796 | 806 | 840 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 855 | 861 | 849 | 834 | 823 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 831 | 832 | 821 | 803 | 787 | 776 |
| 1940 | 777 | 778 | 779 | 806 | 808 | 820 | 837 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 838 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 815 | 838 | 840 | 827 | 810 | 796 |
| 1945 | 794 | 800 | 806 | 808 | 808 | 820 | 833 | 856 | 867 | 856 | 842 | 831 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 837 | 859 | 857 | 842 | 826 | 813 |
| 1947 | 808 | 808 | 808 | 808 | 808 | 815 | 823 | 836 | 830 | 814 | 799 | 791 |
| 1948 | 789 | 790 | 791 | 793 | 794 | 794 | 798 | 820 | 837 | 823 | 804 | 791 |
| 1949 | 787 | 786 | 787 | 789 | 793 | 801 | 810 | 831 | 829 | 810 | 790 | 775 |
| 1950 | 770 | 769 | 769 | 777 | 790 | 793 | 808 | 826 | 827 | 808 | 788 | 773 |
| 1951 | 768 | 808 | 808 | 808 | 808 | 819 | 827 | 837 | 834 | 816 | 796 | 781 |
| 1952 | 777 | 778 | 791 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 815 | 816 | 823 | 809 | 790 | 775 |
| 1954 | 772 | 771 | 772 | 775 | 785 | 798 | 815 | 833 | 826 | 805 | 785 | 770 |
| 1955 | 766 | 765 | 768 | 774 | 778 | 780 | 781 | 802 | 811 | 796 | 779 | 769 |
| 1956 | 764 | 764 | 808 | 808 | 808 | 819 | 832 | 859 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 813 | 828 | 838 | 822 | 804 | 790 |
| 1958 | 786 | 787 | 792 | 798 | 808 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 823 | 826 | 817 | 797 | 780 | 773 |
| 1960 | 772 | 771 | 770 | 771 | 783 | 791 | 805 | 818 | 815 | 800 | 786 | 776 |
| 1961 | 773 | 773 | 775 | 776 | 778 | 779 | 784 | 785 | 777 | 759 | 742 | 730 |
| 1962 | 729 | 729 | 732 | 734 | 776 | 786 | 809 | 823 | 837 | 824 | 806 | 792 |
| 1963 | 788 | 788 | 788 | 797 | 808 | 810 | 819 | 841 | 855 | 845 | 830 | 818 |
| 1964 | 808 | 808 | 808 | 808 | 807 | 808 | 809 | 816 | 813 | 797 | 781 | 771 |
| 1965 | 765 | 769 | 808 | 808 | 808 | 815 | 831 | 854 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 828 | 838 | 826 | 804 | 784 | 771 |
| 1967 | 767 | 769 | 794 | 806 | 808 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 817 | 821 | 812 | 793 | 777 | 766 |
| 1969 | 762 | 766 | 774 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 821 | 837 | 837 | 821 | 802 | 789 |
| 1971 | 786 | 788 | 798 | 807 | 808 | 812 | 814 | 826 | 836 | 822 | 804 | 790 |
| 1972 | 787 | 787 | 794 | 799 | 805 | 816 | 819 | 831 | 831 | 816 | 802 | 795 |
| 1973 | 793 | 794 | 800 | 808 | 808 | 820 | 828 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 823 | 855 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 808 | 809 | 798 | 781 | 768 | 759 |
| 1977 | 758 | 756 | 754 | 754 | 754 | 749 | 740 | 727 | 716 | 686 | 656 | 632 |
| 1978 | 626 | 626 | 642 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 828 | 859 | 863 | 849 | 834 | 823 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 835 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 823 | 835 | 831 | 816 | 802 | 794 |
| 1982 | 792 | 801 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 827 | 850 | 848 | 832 | 814 | 801 |
| 1985 | 800 | 803 | 807 | 808 | 808 | 814 | 828 | 841 | 835 | 821 | 807 | 797 |
| 1986 | 797 | 799 | 805 | 808 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 807 | 808 | 810 | 818 | 821 | 811 | 795 | 782 | 773 |
| 1988 | 772 | 773 | 775 | 781 | 785 | 791 | 797 | 801 | 794 | 777 | 763 | 753 |
| 1989 | 751 | 750 | 753 | 753 | 759 | 775 | 796 | 805 | 802 | 786 | 772 | 764 |
| 1990 | 765 | 766 | 767 | 769 | 773 | 779 | 790 | 787 | 778 | 762 | 745 | 732 |
| 1991 | 730 | 729 | 729 | 728 | 728 | 749 | 755 | 775 | 789 | 775 | 762 | 751 |
| 1992 | 750 | 751 | 752 | 754 | 768 | 774 | 791 | 793 | 781 | 768 | 754 | 742 |
| 1993 | 740 | 741 | 747 | 792 | 808 | 820 | 837 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 814 | 820 | 812 | 797 | 783 | 773 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 88 | 78 | 22 | 0 | 7 | 21 | 31 | 1 |
| 54 | 40 | 13 | 8 | 17 | 32 | 42 | 1 |
| 60 | 58 | 57 | 70 | 88 | 101 | 111 | 1 |
| 66 | 48 | 27 | 23 | 36 | 52 | 64 | 1 |
| 55 | 36 | 40 | 41 | 45 | 53 | 61 | 1 |
| 52 | 50 | 23 | 13 | 18 | 22 | 27 | 1 |
| 58 | 59 | 43 | 46 | 52 | 57 | 60 | 1 |
| 60 | 59 | 56 | 56 | 54 | 51 | 57 | 1 |
| 67 | 65 | 64 | 60 | 57 | 54 | 56 | 1 |
| 59 | 59 | 61 | 73 | 91 | 105 | 115 | 1 |
| 50 | 41 | 20 | 3 | 13 | 28 | 38 | 1 |
| 56 | 54 | 51 | 37 | 50 | 65 | 73 | 1 |
| 54 | 48 | 57 | 66 | 83 | 97 | 106 | 1 |
| 61 | 27 | 8 | 0 | 13 | 28 | 39 | 1 |
| 47 | 27 | 12 | 6 | 18 | 33 | 44 | 1 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 | 1 |
| 47 | 27 | 8 | 0 | 12 | 27 | 37 | 1 |
| 51 | 36 | 35 | 46 | 64 | 80 | 91 | 1 |
| 47 | 30 | 8 | 6 | 22 | 38 | 51 | 1 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 | 1 |
| 47 | 29 | 8 | 0 | 7 | 16 | 27 | 1 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 | 1 |
| 50 | 52 | 29 | 27 | 40 | 57 | 71 | 1 |
| 47 | 34 | 11 | 0 | 11 | 25 | 36 | 1 |
| 49 | 30 | 8 | 10 | 25 | 41 | 54 | 1 |
| 52 | 44 | 31 | 37 | 53 | 68 | 76 | 1 |
| 73 | 69 | 47 | 30 | 44 | 63 | 76 | 1 |
| 66 | 57 | 36 | 38 | 53 | 77 | 92 | 1 |
| 74 | 59 | 41 | 40 | 59 | 79 | 94 | 1 |
| 48 | 40 | 30 | 33 | 51 | 71 | 86 | 1 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 | 1 |
| 58 | 52 | 51 | 44 | 58 | 77 | 92 | 1 |
| 69 | 52 | 34 | 41 | 62 | 82 | 97 | 1 |
| 87 | 86 | 65 | 56 | 71 | 88 | 98 | 1 |
| 48 | 35 | 8 | 0 | 4 | 17 | 27 | 1 |
| 54 | 54 | 39 | 29 | 45 | 63 | 77 | 1 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 | 1 |
| 54 | 44 | 41 | 50 | 70 | 87 | 94 | 1 |
| 76 | 62 | 49 | 52 | 67 | 81 | 91 | 1 |
| 88 | 83 | 82 | 90 | 108 | 125 | 137 | 1 |
| 81 | 58 | 44 | 30 | 43 | 61 | 75 | 1 |
| 57 | 48 | 26 | 12 | 22 | 37 | 49 | 1 |
| 59 | 58 | 51 | 54 | 70 | 86 | 96 | 1 |
| 52 | 36 | 13 | 0 | 6 | 17 | 27 | 1 |
| 53 | 39 | 29 | 41 | 63 | 83 | 96 | 1 |
| 47 | 27 | 8 | 0 | 0 | 11 | 27 | 1 |
| 55 | 50 | 46 | 55 | 74 | 90 | 101 | 1 |
| 47 | 27 | 8 | 0 | 0 | 13 | 27 | 1 |
| 47 | 46 | 30 | 30 | 46 | 65 | 78 | 1 |
| 55 | 53 | 41 | 31 | 45 | 63 | 77 | 1 |
| 51 | 48 | 36 | 36 | 51 | 65 | 72 | 1 |
| 47 | 39 | 8 | 0 | 15 | 29 | 39 | 1 |
| 47 | 34 | 8 | 0 | 13 | 28 | 38 | 1 |
| 47 | 44 | 12 | 0 | 11 | 25 | 35 | 1 |
| 58 | 59 | 58 | 69 | 86 | 99 | 108 | 1 |
| 118 | 127 | 140 | 151 | 181 | 211 | 235 | 1 |
| 85 | 52 | 8 | 0 | 0 | 11 | 27 | 1 |
| 47 | 39 | 8 | 4 | 18 | 33 | 44 | 1 |
| 47 | 32 | 8 | 0 | 0 | 12 | 27 | 1 |
| 54 | 44 | 32 | 36 | 51 | 65 | 73 | 1 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 | 1 |
| 47 | 31 | 8 | 0 | 0 | 3 | 27 | 1 |
| 47 | 40 | 17 | 19 | 35 | 53 | 66 | 1 |
| 53 | 39 | 26 | 32 | 46 | 60 | 70 | 1 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 | 1 |
| 57 | 49 | 46 | | | | | |

Joint Point Alternative 8

STUDY: 526a
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 461 | 471 | 486 | 500 | 506 | 490 | 512 | 530 | 520 | 497 | 480 | 472 |
| 1926 | 474 | 487 | 503 | 517 | 520 | 506 | 548 | 562 | 533 | 492 | 471 | 482 |
| 1927 | 488 | 503 | 525 | 543 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 484 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 478 | 494 | 506 | 517 | 514 | 509 | 524 | 534 | 517 | 488 | 465 | 482 |
| 1931 | 486 | 501 | 512 | 522 | 517 | 508 | 510 | 515 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 491 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 469 | 479 | 499 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 494 | 503 | 516 | 549 | 550 | 551 | 548 | 561 | 553 | 512 | 465 | 470 |
| 1941 | 481 | 493 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 491 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 487 | 503 | 517 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 535 | 541 | 523 | 534 | 551 | 538 | 505 | 476 | 482 |
| 1951 | 490 | 532 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 524 | 545 | 554 | 555 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 482 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 467 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 549 | 487 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 528 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 479 | 495 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 484 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 494 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 553 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 481 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 85 | 22 |
| 59 | 35 | 27 | 36 | 50 | 113 | 106 | 7 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 7 |
| 86 | 64 | 46 | 56 | 79 | 96 | 104 | 7 |
| 70 | 28 | 14 | 14 | 84 | 105 | 94 | 9 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 17 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 7 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 7 |
| 67 | 52 | 42 | 59 | 88 | 111 | 94 | 7 |
| 68 | 66 | 61 | 68 | 94 | 110 | 110 | 7 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | 7 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 7 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 7 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 13 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 17 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 25 |
| 34 | 47 | 109 | 4 | 0 | 44 | 56 | 16 |
| 52 | 34 | 16 | 37 | 72 | 103 | 81 | 8 |
| 25 | 28 | 15 | 23 | 64 | 111 | 106 | 8 |
| 3 | 3 | 7 | 0 | 7 | 49 | 70 | 26 |
| 23 | 22 | 14 | 0 | 21 | 67 | 99 | 14 |
| 0 | 2 | 0 | 14 | 50 | 85 | 100 | 23 |
| 69 | 60 | 59 | 75 | 82 | 86 | 96 | 7 |
| 8 | 11 | 5 | 0 | 22 | 65 | 85 | 20 |
| 52 | 40 | 17 | 30 | 66 | 98 | 96 | 8 |
| 46 | 31 | 20 | 41 | 79 | 103 | 95 | 7 |
| 46 | 20 | 25 | 35 | 93 | 96 | 92 | 7 |
| 65 | 54 | 38 | 55 | 94 | 99 | 87 | 7 |
| 53 | 42 | 25 | 38 | 71 | 100 | 94 | 7 |
| 30 | 24 | 30 | 62 | 113 | 113 | 95 | 7 |
| 9 | 17 | 50 | 0 | 5 | 51 | 68 | 19 |
| 44 | 35 | 40 | 58 | 79 | 98 | 95 | 7 |
| 49 | 39 | 16 | 32 | 69 | 111 | 93 | 8 |
| 56 | 42 | 31 | 39 | 72 | 95 | 89 | 7 |
| 0 | 15 | 0 | 10 | 52 | 71 | 6 | 25 |
| 47 | 30 | 15 | 14 | 50 | 105 | 95 | 10 |
| 11 | 0 | 0 | 0 | 19 | 60 | 78 | 25 |
| 48 | 26 | 10 | 25 | 76 | 106 | 101 | 9 |
| 78 | 61 | 51 | 67 | 80 | 93 | 95 | 7 |
| 65 | 50 | 37 | 49 | 90 | 109 | 109 | 7 |
| 47 | 49 | 21 | 7 | 36 | 87 | 100 | 10 |
| 18 | 0 | 0 | 0 | 12 | 56 | 73 | 25 |
| 32 | 23 | 15 | 25 | 68 | 100 | 92 | 8 |
| 22 | 17 | 25 | 15 | 36 | 64 | 80 | 9 |
| 50 | 31 | 12 | 26 | 70 | 90 | 90 | 9 |
| 5 | 11 | 62 | 6 | 0 | 37 | 54 | 20 |
| 37 | 26 | 22 | 37 | 70 | 98 | 94 | 7 |
| 55 | 109 | 107 | 0 | 0 | 38 | 63 | 17 |
| 22 | 22 | 21 | 32 | 59 | 100 | 99 | 7 |
| 43 | 35 | 32 | 56 | 78 | 85 | 98 | 7 |
| 52 | 39 | 33 | 36 | 79 | 95 | 95 | 7 |
| 16 | 26 | 1 | 0 | 34 | 93 | 99 | 7 |
| 26 | 17 | 6 | 3 | 39 | 86 | 103 | 15 |
| 50 | 43 | 40 | 9 | 51 | 100 | 94 | 10 |
| 32 | 29 | 34 | 57 | 84 | 97 | 82 | 7 |
| 112 | 111 | 112 | 114 | 110 | 115 | 114 | 7 |
| 24 | 66 | 78 | 0 | 0 | 28 | 37 | 17 |
| 14 | 16 | 5 | 13 | 55 | 99 | 94 | 15 |
| 18 | 10 | 26 | 0 | 0 | 34 | 63 | 20 |
| 43 | 29 | 23 | 33 | 66 | 99 | 88 | 1 |
| 0 | 30 | 15 | 0 | 0 | 30 | 35 | 23 |
| 92 | 109 | | | | | | |

Joint Point Alternative 8

STUDY: 526a
 CP # 12, SWP SAN LUIS RESERVIOR, EOP SURFACE ELEVATION

73 - year maximum March - September Reservoir Elevation = 544'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 419 | 438 | 488 | 532 | 544 | 544 | 542 | 540 | 522 | 473 | 435 | 440 | |
| 1923 | 482 | 505 | 513 | 544 | 544 | 544 | 539 | 516 | 476 | 471 | 433 | 411 | |
| 1924 | 430 | 439 | 465 | 510 | 531 | 531 | 521 | 497 | 464 | 434 | 400 | 396 | |
| 1925 | 399 | 408 | 450 | 481 | 529 | 539 | 533 | 507 | 467 | 450 | 408 | 383 | |
| 1926 | 392 | 406 | 431 | 495 | 542 | 544 | 540 | 517 | 482 | 464 | 397 | 384 | |
| 1927 | 393 | 454 | 495 | 531 | 542 | 544 | 540 | 526 | 489 | 470 | 430 | 424 | |
| 1928 | 459 | 501 | 513 | 544 | 544 | 544 | 539 | 517 | 467 | 465 | 433 | 414 | |
| 1929 | 437 | 460 | 484 | 528 | 544 | 544 | 536 | 522 | 500 | 467 | 438 | 436 | |
| 1930 | 436 | 442 | 487 | 537 | 544 | 544 | 527 | 497 | 468 | 472 | 440 | 417 | |
| 1931 | 422 | 426 | 426 | 468 | 483 | 486 | 477 | 464 | 449 | 424 | 375 | 373 | |
| 1932 | 384 | 383 | 455 | 524 | 539 | 532 | 524 | 506 | 488 | 471 | 439 | 425 | |
| 1933 | 439 | 446 | 449 | 495 | 518 | 525 | 523 | 508 | 480 | 444 | 400 | 400 | |
| 1934 | 414 | 411 | 457 | 515 | 520 | 520 | 506 | 491 | 460 | 437 | 402 | 389 | |
| 1935 | 387 | 407 | 425 | 499 | 505 | 534 | 537 | 510 | 468 | 437 | 381 | 358 | |
| 1936 | 375 | 377 | 378 | 459 | 514 | 544 | 543 | 526 | 492 | 471 | 433 | 420 | |
| 1937 | 437 | 450 | 473 | 526 | 544 | 544 | 544 | 540 | 508 | 469 | 433 | 417 | |
| 1938 | 447 | 499 | 514 | 544 | 544 | 544 | 544 | 544 | 534 | 499 | 462 | 497 | |
| 1939 | 505 | 512 | 515 | 544 | 544 | 544 | 526 | 495 | 464 | 474 | 439 | 420 | |
| 1940 | 425 | 422 | 416 | 493 | 536 | 544 | 539 | 509 | 457 | 439 | 381 | 362 | |
| 1941 | 386 | 415 | 463 | 517 | 544 | 544 | 543 | 539 | 522 | 472 | 440 | 464 | |
| 1942 | 498 | 511 | 515 | 544 | 544 | 544 | 543 | 536 | 525 | 475 | 443 | 458 | |
| 1943 | 494 | 511 | 514 | 544 | 544 | 544 | 544 | 544 | 516 | 473 | 432 | 432 | |
| 1944 | 463 | 494 | 513 | 544 | 544 | 544 | 525 | 494 | 458 | 463 | 438 | 419 | |
| 1945 | 424 | 459 | 498 | 528 | 544 | 544 | 532 | 503 | 465 | 463 | 435 | 421 | |
| 1946 | 453 | 495 | 513 | 544 | 544 | 544 | 526 | 493 | 439 | 438 | 425 | 410 | |
| 1947 | 437 | 463 | 503 | 531 | 544 | 544 | 526 | 489 | 448 | 450 | 435 | 407 | |
| 1948 | 409 | 413 | 413 | 466 | 483 | 507 | 510 | 483 | 441 | 422 | 373 | 360 | |
| 1949 | 389 | 417 | 446 | 493 | 516 | 539 | 524 | 496 | 452 | 436 | 385 | 362 | |
| 1950 | 395 | 408 | 416 | 489 | 534 | 544 | 530 | 502 | 464 | 460 | 432 | 417 | |
| 1951 | 437 | 486 | 517 | 544 | 544 | 544 | 529 | 507 | 461 | 454 | 434 | 427 | |
| 1952 | 446 | 479 | 511 | 544 | 544 | 544 | 544 | 544 | 534 | 505 | 484 | 491 | |
| 1953 | 499 | 508 | 514 | 544 | 544 | 544 | 526 | 508 | 479 | 469 | 435 | 438 | |
| 1954 | 474 | 506 | 513 | 544 | 544 | 544 | 539 | 516 | 458 | 442 | 431 | 412 | |
| 1955 | 438 | 470 | 508 | 544 | 544 | 544 | 525 | 497 | 467 | 468 | 434 | 419 | |
| 1956 | 450 | 461 | 513 | 544 | 544 | 544 | 537 | 535 | 513 | 474 | 445 | 458 | |
| 1957 | 494 | 506 | 514 | 544 | 544 | 544 | 532 | 507 | 465 | 463 | 434 | 420 | |
| 1958 | 472 | 505 | 514 | 544 | 544 | 544 | 543 | 542 | 493 | 478 | 446 | 486 | |
| 1959 | 497 | 507 | 514 | 544 | 544 | 544 | 518 | 478 | 429 | 434 | 426 | 422 | |
| 1960 | 452 | 452 | 452 | 492 | 539 | 544 | 522 | 486 | 446 | 445 | 389 | 362 | |
| 1961 | 397 | 422 | 460 | 504 | 544 | 544 | 518 | 476 | 435 | 434 | 424 | 404 | |
| 1962 | 425 | 425 | 457 | 504 | 544 | 544 | 519 | 478 | 416 | 402 | 327 | 331 | |
| 1963 | 405 | 456 | 484 | 526 | 544 | 544 | 541 | 531 | 497 | 472 | 433 | 433 | |
| 1964 | 470 | 502 | 514 | 544 | 544 | 544 | 519 | 482 | 437 | 437 | 427 | 405 | |
| 1965 | 409 | 438 | 488 | 533 | 544 | 544 | 544 | 544 | 531 | 497 | 475 | 432 | 432 |
| 1966 | 465 | 507 | 513 | 544 | 544 | 544 | 524 | 487 | 429 | 428 | 415 | 413 | |
| 1967 | 437 | 464 | 508 | 544 | 544 | 544 | 544 | 544 | 535 | 520 | 498 | 501 | |
| 1968 | 508 | 518 | 520 | 544 | 544 | 544 | 528 | 493 | 451 | 451 | 437 | 420 | |
| 1969 | 448 | 473 | 519 | 544 | 544 | 544 | 544 | 544 | 535 | 512 | 480 | 502 | |
| 1970 | 509 | 517 | 519 | 544 | 544 | 544 | 534 | 512 | 471 | 470 | 434 | 428 | |
| 1971 | 453 | 503 | 519 | 544 | 544 | 544 | 528 | 508 | 470 | 455 | 433 | 429 | |
| 1972 | 469 | 495 | 514 | 544 | 544 | 544 | 524 | 487 | 440 | 438 | 434 | 410 | |
| 1973 | 431 | 481 | 513 | 544 | 544 | 544 | 534 | 508 | 470 | 458 | 433 | 428 | |
| 1974 | 458 | 502 | 513 | 544 | 544 | 544 | 543 | 533 | 503 | 472 | 456 | 486 | |
| 1975 | 502 | 510 | 513 | 544 | 544 | 544 | 540 | 527 | 501 | 473 | 441 | 458 | |
| 1976 | 493 | 511 | 514 | 544 | 544 | 544 | 524 | 495 | 472 | 479 | 449 | 428 | |
| 1977 | 429 | 435 | 437 | 456 | 456 | 456 | 460 | 450 | 434 | 414 | 410 | 426 | |
| 1978 | 432 | 449 | 498 | 544 | 544 | 544 | 544 | 544 | 523 | 472 | 431 | 438 | |
| 1979 | 481 | 500 | 513 | 544 | 544 | 544 | 536 | 515 | 483 | 472 | 433 | 420 | |
| 1980 | 454 | 490 | 514 | 544 | 544 | 544 | 544 | 527 | 494 | 455 | 470 | 470 | |
| 1981 | 513 | 522 | 528 | 544 | 544 | 544 | 528 | 492 | 449 | 448 | 436 | 414 | |
| 1982 | 435 | 467 | 514 | 544 | 544 | 544 | 544 | 544 | 531 | 488 | 454 | 483 | |
| 1983 | 498 | 510 | 514 | 544 | 544 | 544 | 544 | 544 | 535 | 522 | 507 | 514 | |
| 1984 | 520 | 540 | 544 | 544 | 544 | 544 | 535 | 514 | 477 | 471 | 433 | 427 | |
| 1985 | 468 | 504 | 513 | 544 | 544 | 544 | 523 | 486 | 434 | 428 | 412 | 406 | |
| 1986 | 408 | 412 | 448 | 503 | 544 | 544 | 544 | 544 | 532 | 491 | 456 | 459 | |
| 1987 | 490 | 501 | 526 | 544 | 544 | 544 | 522 | 484 | 453 | 461 | 438 | 414 | |
| 1988 | 423 | 419 | 460 | 520 | 533 | 533 | 522 | 508 | 491 | 468 | 429 | 426 | |
| 1989 | 427 | 438 | 458 | 496 | 496 | 529 | 509 | 467 | 407 | 395 | 364 | 364 | |
| 1990 | 373 | 393 | 412 | 478 | 498 | 507 | 497 | 476 | 465 | 444 | 401 | 394 | |
| 1991 | 394 | 401 | 403 | 416 | 416 | 481 | 481 | 470 | 451 | 431 | 415 | 415 | |
| 1992 | 419 | 432 | 446 | 490 | 531 | 544 | 533 | 512 | 495 | 461 | 412 | 398 | |
| 1993 | 399 | 406 | 452 | 520 | 530 | 544 | 542 | 537 | 520 | 469 | 430 | 423 | |
| 1994 | 459 | 501 | 514 | 544 | 544 | 544 | 518 | 478 | 439 | 442 | 428 | 415 | |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | 2 | 4 | 22 | 71 | 109 | 104 |
| 0 | 5 | 28 | 68 | 73 | 111 | 133 |
| 13 | 23 | 47 | 80 | 110 | 144 | 148 |
| 5 | 11 | 37 | 77 | 94 | 136 | 161 |
| 0 | 4 | 27 | 62 | 80 | 147 | 160 |
| 0 | 4 | 18 | 55 | 74 | 114 | 120 |
| 0 | 5 | 27 | 77 | 79 | 111 | 130 |
| 0 | 8 | 22 | 44 | 77 | 106 | 108 |
| 0 | 17 | 47 | 76 | 72 | 104 | 127 |
| 58 | 67 | 80 | 95 | 120 | 169 | 171 |
| 12 | 20 | 38 | 56 | 73 | 105 | 119 |
| 19 | 21 | 36 | 64 | 100 | 144 | 144 |
| 24 | 38 | 63 | 84 | 107 | 142 | 155 |
| 0 | 7 | 34 | 76 | 107 | 163 | 186 |
| 0 | 1 | 18 | 52 | 73 | 111 | 124 |
| 0 | 0 | 4 | 36 | 75 | 111 | 127 |
| 0 | 0 | 10 | 45 | 82 | 107 | 124 |
| 0 | 18 | 49 | 80 | 70 | 105 | 124 |
| 0 | 5 | 35 | 87 | 105 | 163 | 182 |
| 0 | 1 | 5 | 22 | 72 | 104 | 80 |
| 0 | 1 | 8 | 19 | 69 | 101 | 86 |
| 0 | 0 | 0 | 28 | 71 | 112 | 112 |
| 0 | 19 | 50 | 86 | 81 | 106 | 125 |
| 0 | 12 | 41 | 79 | 81 | 109 | 123 |
| 0 | 18 | 51 | 105 | 106 | 119 | 134 |
| 0 | 18 | 55 | 96 | 94 | 109 | 137 |
| 37 | 34 | 61 | 103 | 122 | 171 | 184 |
| 5 | 20 | 48 | 92 | 108 | 159 | 182 |
| 0 | 14 | 42 | 80 | 84 | 112 | 127 |
| 0 | 15 | 37 | 83 | 90 | 110 | 117 |
| 0 | 0 | 0 | 10 | 39 | 60 | 53 |
| 0 | 18 | 36 | 65 | 75 | 109 | 106 |
| 0 | 5 | 28 | 86 | 102 | 113 | 132 |
| 0 | 19 | 47 | 77 | 76 | 110 | 125 |
| 0 | 7 | 9 | 31 | 70 | 99 | 86 |
| 0 | 12 | 37 | 79 | 81 | 110 | 124 |
| 0 | 1 | 2 | 12 | 51 | 66 | 58 |
| 0 | 26 | 66 | 115 | 110 | 118 | 122 |
| 0 | 22 | 58 | 98 | 99 | 155 | 182 |
| 0 | 26 | 68 | 109 | 110 | 120 | 140 |
| 0 | 25 | 66 | 128 | 142 | 217 | 213 |
| 0 | 3 | 13 | 47 | 72 | 111 | 111 |
| 0 | 25 | 62 | 107 | 107 | 117 | 139 |
| 0 | 0 | 13 | 47 | 69 | 112 | 112 |
| 0 | 20 | 57 | 115 | 116 | 129 | 131 |
| 0 | 0 | 0 | 9 | 24 | 46 | 43 |
| 0 | 16 | 51 | 93 | 93 | 107 | 124 |
| 0 | 0 | 0 | 9 | 32 | 64 | 42 |
| 0 | 10 | 32 | 73 | 74 | 110 | 116 |
| 0 | 16 | 36 | 74 | 89 | 111 | 115 |
| 0 | 20 | 57 | 104 | 106 | 110 | 134 |
| 0 | 10 | 36 | 74 | 86 | 111 | 116 |
| 0 | 1 | 11 | 41 | 72 | 88 | 58 |
| 0 | 4 | 17 | 43 | 71 | 103 | 86 |
| 0 | 20 | 49 | 72 | 65 | 95 | 116 |
| 88 | 84 | 94 | 110 | 130 | 134 | 118 |
| 0 | 0 | 0 | 21 | 72 | 113 | 106 |
| 0 | 8 | 29 | 61 | 72 | 111 | 124 |
| 0 | 0 | 0 | 17 | 50 | 89 | 74 |
| 0 | 16 | 52 | 95 | 96 | 108 | 130 |
| 0 | 0 | 0 | 13 | 56 | 90 | 61 |
| 0 | 0 | 0 | 9 | 22 | 37 | 30 |
| 0 | 0 | 30 | 67 | 73 | 111 | 117 |
| 0 | 21 | 58 | 110 | 116 | 132 | 138 |
| 0 | 0 | 0 | 12 | 53 | 88 | 85 |
| 0 | 22 | 60 | 91 | 83 | 106 | 130 |
| 11 | 22 | 36 | 53 | 76 | 115 | 118 |
| 15 | 35 | 77 | 137 | 149 | 180 | 180 |
| 37 | 47 | 68 | 79 | 100 | 143 | 150 |
| 63 | 63 | 74 | 93 | 113 | 129 | 129 |
| 0 | 11 | 32 | 49 | 83 | 132 | 146 |

STUDY: 1995C06F-SWRBJP-634 DWRSIM: recirc818VA, 10 Apr 98
 CP # 6, LAKE OROVILLE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRBJP-634/ELEVATION/EOP//1MON/OUTPUT/

73-year maximum March - September Reservoir Elevation = 900'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 834 | 834 | 836 | 844 | 850 | 858 | 893 | 900 | 900 | 869 | 865 | 866 |
| 1923 | 870 | 872 | 858 | 862 | 859 | 872 | 894 | 900 | 881 | 842 | 802 | 805 |
| 1924 | 796 | 784 | 756 | 761 | 780 | 770 | 759 | 748 | 727 | 708 | 699 | 693 |
| 1925 | 694 | 698 | 705 | 721 | 788 | 789 | 817 | 825 | 808 | 780 | 769 | 768 |
| 1926 | 764 | 764 | 766 | 780 | 827 | 847 | 887 | 876 | 855 | 814 | 800 | 778 |
| 1927 | 773 | 805 | 805 | 830 | 849 | 863 | 890 | 900 | 898 | 861 | 843 | 841 |
| 1928 | 838 | 848 | 850 | 861 | 871 | 849 | 878 | 867 | 847 | 796 | 741 | 734 |
| 1929 | 712 | 716 | 714 | 720 | 733 | 750 | 758 | 761 | 754 | 738 | 728 | 721 |
| 1930 | 712 | 709 | 769 | 797 | 823 | 854 | 877 | 884 | 866 | 827 | 790 | 787 |
| 1931 | 777 | 769 | 760 | 773 | 786 | 801 | 788 | 773 | 749 | 726 | 714 | 708 |
| 1932 | 702 | 693 | 698 | 722 | 745 | 778 | 791 | 822 | 795 | 738 | 716 | 709 |
| 1933 | 700 | 688 | 687 | 699 | 710 | 715 | 721 | 737 | 731 | 715 | 704 | 697 |
| 1934 | 693 | 685 | 687 | 714 | 737 | 764 | 758 | 749 | 724 | 700 | 688 | 680 |
| 1935 | 672 | 677 | 683 | 711 | 735 | 765 | 853 | 862 | 846 | 821 | 809 | 790 |
| 1936 | 783 | 777 | 775 | 824 | 849 | 860 | 886 | 882 | 874 | 834 | 800 | 795 |
| 1937 | 785 | 774 | 770 | 773 | 790 | 824 | 849 | 863 | 840 | 813 | 791 | 785 |
| 1938 | 780 | 798 | 854 | 858 | 849 | 849 | 882 | 900 | 900 | 899 | 896 | 887 |
| 1939 | 874 | 864 | 854 | 845 | 837 | 833 | 824 | 820 | 785 | 721 | 663 | 658 |
| 1940 | 644 | 634 | 636 | 708 | 816 | 849 | 879 | 885 | 867 | 828 | 820 | 804 |
| 1941 | 799 | 801 | 842 | 849 | 849 | 858 | 886 | 900 | 900 | 890 | 886 | 887 |
| 1942 | 874 | 874 | 849 | 849 | 850 | 867 | 882 | 900 | 900 | 880 | 876 | 877 |
| 1943 | 874 | 869 | 861 | 849 | 856 | 859 | 887 | 897 | 896 | 861 | 851 | 851 |
| 1944 | 852 | 855 | 854 | 860 | 857 | 869 | 879 | 895 | 875 | 835 | 796 | 790 |
| 1945 | 785 | 792 | 808 | 823 | 862 | 865 | 890 | 896 | 877 | 837 | 801 | 796 |
| 1946 | 796 | 804 | 849 | 864 | 868 | 868 | 887 | 897 | 875 | 836 | 795 | 792 |
| 1947 | 777 | 783 | 791 | 797 | 823 | 846 | 855 | 851 | 834 | 780 | 728 | 721 |
| 1948 | 724 | 725 | 722 | 758 | 761 | 781 | 841 | 870 | 876 | 840 | 823 | 806 |
| 1949 | 799 | 796 | 797 | 802 | 810 | 832 | 852 | 858 | 836 | 785 | 747 | 741 |
| 1950 | 727 | 719 | 716 | 750 | 797 | 834 | 867 | 886 | 873 | 836 | 820 | 819 |
| 1951 | 823 | 849 | 854 | 853 | 858 | 870 | 886 | 900 | 888 | 846 | 817 | 815 |
| 1952 | 820 | 824 | 849 | 849 | 852 | 862 | 894 | 900 | 900 | 899 | 887 | 887 |
| 1953 | 874 | 874 | 858 | 850 | 867 | 867 | 883 | 900 | 900 | 867 | 865 | 867 |
| 1954 | 869 | 871 | 874 | 858 | 857 | 859 | 883 | 869 | 853 | 808 | 761 | 758 |
| 1955 | 760 | 761 | 770 | 782 | 791 | 804 | 813 | 826 | 799 | 737 | 705 | 702 |
| 1956 | 693 | 689 | 844 | 849 | 849 | 864 | 892 | 900 | 900 | 870 | 860 | 863 |
| 1957 | 869 | 874 | 874 | 871 | 853 | 863 | 866 | 884 | 869 | 830 | 792 | 797 |
| 1958 | 799 | 803 | 822 | 843 | 849 | 849 | 879 | 900 | 900 | 898 | 894 | 887 |
| 1959 | 874 | 874 | 874 | 862 | 852 | 867 | 874 | 877 | 856 | 813 | 762 | 765 |
| 1960 | 758 | 748 | 743 | 757 | 818 | 857 | 859 | 865 | 846 | 810 | 798 | 789 |
| 1961 | 766 | 769 | 778 | 789 | 819 | 837 | 843 | 848 | 828 | 770 | 717 | 713 |
| 1962 | 698 | 695 | 704 | 718 | 782 | 817 | 843 | 846 | 831 | 776 | 743 | 722 |
| 1963 | 796 | 808 | 837 | 859 | 867 | 858 | 876 | 900 | 890 | 855 | 836 | 837 |
| 1964 | 838 | 850 | 852 | 862 | 871 | 874 | 880 | 885 | 869 | 829 | 782 | 757 |
| 1965 | 744 | 745 | 849 | 849 | 863 | 870 | 887 | 884 | 886 | 853 | 846 | 848 |
| 1966 | 852 | 859 | 860 | 864 | 870 | 874 | 891 | 882 | 862 | 822 | 773 | 766 |
| 1967 | 753 | 774 | 802 | 849 | 860 | 853 | 879 | 900 | 900 | 896 | 887 | 887 |
| 1968 | 874 | 874 | 873 | 858 | 861 | 866 | 866 | 870 | 851 | 806 | 765 | 762 |
| 1969 | 764 | 769 | 792 | 849 | 849 | 865 | 895 | 900 | 900 | 895 | 893 | 874 |
| 1970 | 874 | 874 | 850 | 849 | 849 | 874 | 874 | 876 | 863 | 824 | 781 | 782 |
| 1971 | 785 | 812 | 842 | 864 | 874 | 874 | 893 | 900 | 900 | 870 | 853 | 855 |
| 1972 | 860 | 865 | 865 | 869 | 867 | 874 | 884 | 887 | 868 | 828 | 784 | 785 |
| 1973 | 801 | 796 | 822 | 849 | 849 | 860 | 882 | 900 | 872 | 832 | 804 | 800 |
| 1974 | 804 | 849 | 850 | 854 | 864 | 849 | 883 | 900 | 900 | 888 | 887 | 886 |
| 1975 | 874 | 874 | 874 | 874 | 855 | 852 | 881 | 900 | 900 | 874 | 873 | 874 |
| 1976 | 873 | 874 | 874 | 874 | 874 | 874 | 871 | 864 | 842 | 797 | 759 | 759 |
| 1977 | 751 | 741 | 725 | 721 | 706 | 701 | 680 | 670 | 642 | 618 | 609 | 606 |
| 1978 | 595 | 595 | 631 | 753 | 806 | 859 | 878 | 897 | 892 | 872 | 863 | 870 |
| 1979 | 873 | 874 | 874 | 871 | 853 | 863 | 878 | 896 | 864 | 826 | 810 | 807 |
| 1980 | 813 | 818 | 827 | 850 | 849 | 865 | 881 | 893 | 888 | 874 | 867 | 865 |
| 1981 | 864 | 865 | 874 | 860 | 868 | 865 | 875 | 872 | 851 | 807 | 758 | 759 |
| 1982 | 766 | 847 | 849 | 859 | 862 | 859 | 884 | 900 | 900 | 889 | 885 | 887 |
| 1983 | 873 | 862 | 858 | 853 | 849 | 849 | 877 | 900 | 900 | 890 | 889 | 887 |
| 1984 | 874 | 860 | 849 | 869 | 869 | 871 | 886 | 895 | 879 | 841 | 822 | 824 |
| 1985 | 828 | 841 | 851 | 857 | 870 | 871 | 886 | 874 | 852 | 809 | 759 | 740 |
| 1986 | 731 | 727 | 734 | 769 | 849 | 849 | 871 | 875 | 871 | 843 | 831 | 842 |
| 1987 | 844 | 850 | 848 | 849 | 860 | 867 | 859 | 849 | 822 | 762 | 720 | 715 |
| 1988 | 703 | 706 | 745 | 771 | 773 | 773 | 772 | 763 | 735 | 715 | 703 | 700 |
| 1989 | 693 | 711 | 721 | 729 | 730 | 843 | 869 | 860 | 842 | 796 | 778 | 775 |
| 1990 | 786 | 788 | 771 | 784 | 792 | 818 | 806 | 806 | 871 | 724 | 711 | 700 |
| 1991 | 683 | 675 | 655 | 653 | 648 | 701 | 724 | 738 | 722 | 701 | 695 | 693 |
| 1992 | 690 | 696 | 687 | 691 | 722 | 752 | 767 | 755 | 730 | 705 | 694 | 688 |
| 1993 | 681 | 675 | 694 | 761 | 813 | 861 | 894 | 900 | 900 | 871 | 866 | 864 |
| 1994 | 870 | 874 | 874 | 871 | 862 | 874 | 873 | 869 | 848 | 807 | 759 | 754 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Change from Previous Month [fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 4 | 6 | 6 | 1 | 1 | 1 | 20 |
| 1 | 4 | 6 | 2 | 1 | 1 | 1 | 16 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 3 | 1 | 1 | 1 | 1 | 1 | 9 |
| 1 | 3 | 6 | 5 | 1 | 1 | 1 | 18 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 150 | 142 | 139 | 146 | 162 | 172 | 179 | 1 |
| 46 | 23 | 16 | 34 | 73 | 110 | 113 | 1 |
| 99 | 112 | 127 | 151 | 174 | 186 | 192 | 1 |
| 122 | 109 | 78 | 105 | 162 | 184 | 191 | 1 |
| 185 | 179 | 163 | 169 | 185 | 196 | 203 | 1 |
| 136 | 142 | 151 | 176 | 200 | 212 | 220 | 1 |
| 105 | 147 | 38 | 54 | 79 | 91 | 110 | 1 |
| 40 | 14 | 18 | 26 | 60 | 100 | 105 | 1 |
| 76 | 51 | 37 | 60 | 87 | 109 | 115 | 1 |
| 51 | 17 | 0 | 0 | 1 | 4 | 13 | 1 |
| 67 | 76 | 80 | 115 | 179 | 237 | 242 | 1 |
| 51 | 21 | 15 | 33 | 72 | 80 | 96 | 1 |
| 42 | 14 | 0 | 0 | 10 | 14 | 13 | 1 |
| 33 | 18 | 0 | 0 | 20 | 24 | 23 | 1 |
| 41 | 13 | 3 | 4 | 39 | 49 | 49 | 1 |
| 32 | 21 | 5 | 25 | 65 | 104 | 110 | 1 |
| 35 | 20 | 4 | 23 | 63 | 99 | 104 | 1 |
| 32 | 13 | 3 | 25 | 64 | 105 | 108 | 1 |
| 54 | 45 | 49 | 66 | 120 | 172 | 179 | 1 |
| 119 | 59 | 30 | 24 | 60 | 77 | 94 | 1 |
| 68 | 48 | 42 | 64 | 115 | 153 | 159 | 1 |
| 66 | 33 | 14 | 27 | 64 | 80 | 81 | 1 |
| 30 | 14 | 0 | 12 | 54 | 83 | 85 | 1 |
| 38 | 6 | 0 | 0 | 0 | 1 | 13 | 1 |
| 33 | 17 | 0 | 0 | 33 | 35 | 33 | 1 |
| 41 | 17 | 31 | 47 | 92 | 139 | 142 | 1 |
| 96 | 87 | 74 | 101 | 163 | 195 | 198 | 1 |
| 36 | 8 | 0 | 0 | 29 | 40 | 37 | 1 |
| 37 | 34 | 16 | 31 | 70 | 108 | 103 | 1 |
| 51 | 21 | 0 | 0 | 2 | 6 | 13 | 1 |
| 33 | 26 | 23 | 44 | 87 | 138 | 135 | 1 |
| 43 | 41 | 35 | 54 | 90 | 102 | 111 | 1 |
| 63 | 57 | 52 | 72 | 130 | 183 | 187 | 1 |
| 83 | 57 | 54 | 69 | 124 | 157 | 178 | 1 |
| 42 | 24 | 0 | 10 | 45 | 64 | 63 | 1 |
| 26 | 20 | 15 | 31 | 71 | 118 | 143 | 1 |
| 30 | 13 | 16 | 14 | 47 | 54 | 52 | 1 |
| 26 | 9 | 18 | 38 | 78 | 127 | 134 | 1 |
| 47 | 21 | 0 | 0 | 0 | 4 | 13 | 1 |
| 34 | 34 | 30 | 49 | 94 | 135 | 138 | 1 |
| 35 | 5 | 0 | 0 | 5 | 7 | 26 | 1 |
| 26 | 26 | 24 | 37 | 76 | 119 | 118 | 1 |
| 26 | 7 | 0 | 0 | 30 | 47 | 45 | 1 |
| 26 | 16 | 13 | 32 | 72 | 116 | 115 | 1 |
| 40 | 18 | 0 | 28 | 68 | 96 | 100 | 1 |
| 51 | 17 | 0 | 0 | 12 | 13 | 14 | 1 |
| 48 | 19 | 0 | 0 | 26 | 27 | 26 | 1 |
| 26 | 29 | 36 | 58 | 103 | 141 | 141 | 1 |
| 199 | 220 | 230 | 258 | 282 | 291 | | |

STUDY: 1995CO6F-SWRCBJP-634 DWRSIM: recirc818VA, 10 Apr 98
CP # 8, FOLSOM LAKE, EOP SURFACE ELEVATION (FT)
Project: /1995CO6F-SWRCBJP-634/ELEVATION-EOP//1MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 466'

Table with 12 columns (YEAR, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP) and 40 rows of monthly data for years 1922 to 1994.

Difference from Maximum Reservoir Elevation [DFMRE]

Table with 12 columns (MAR, APR, MAY, JUN, JUL, AUG, SEP) and 40 rows of monthly data for years 1922 to 1994.

Reservoir Elevation Scoring Table:

If [DFMRE] <= 0', then 6, else
If [DFMRE] <= 5', then 5, else
If [DFMRE] <= 10', then 4, else
If [DFMRE] <= 15', then 3, else
If [DFMRE] <= 20', then 2, else 1

Table with 13 columns (MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM) and 40 rows of monthly data for years 1922 to 1994.

Reservoir Change from Previous Month [fluctuation]

Table with 12 columns (MAR, APR, MAY, JUN, JUL, AUG, SEP) and 40 rows of monthly data for years 1922 to 1994.

Reservoir Fluctuation Scoring Table:

If [fluctuation] >= 0', then 6, else
If [fluctuation] >= -5', then 5, else
If [fluctuation] >= -10', then 4, else
If [fluctuation] >= -15', then 3, else
If [fluctuation] >= -20', then 2, else 1

Table with 12 columns (MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM) and 40 rows of monthly data for years 1922 to 1994.

Largemouth Bass Reservoir Habitat Index =

Table with 12 columns (MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM) and 40 rows of monthly data for years 1922 to 1994.

73 - year Average: 13

73 - year Average: 32
1929 - '34 Average: 226.3

STUDY: 1995C06F-SWRCBJP-634 DWRSIM: recirc818VA, 10 Apr 98
CP # 10, NEW MELONES RESERVOIR, EOP SURFACE ELEVATION (FT)
Project /1995C06F-SWRCBJP-634/10/ELEVATION-EOP/1/MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 1088'

Table with columns: YEAR, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows 1922-1994.

Difference from Maximum Reservoir Elevation [DFMRE]

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows 1922-1994.

Reservoir Elevation Scoring Table:
If [DFMRE] <= 0', then 6, else
If [DFMRE] <= 5', then 5, else
If [DFMRE] <= 10', then 4, else
If [DFMRE] <= 15', then 3, else
If [DFMRE] <= 20', then 2, else 1

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM. Rows 1922-1994.

Reservoir Change from Previous Month [fluctuation]

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows 1922-1994.

Reservoir Fluctuation Scoring Table:
If [fluctuation] >= 0', then 6, else
If [fluctuation] >= -5', then 5, else
If [fluctuation] >= -10', then 4, else
If [fluctuation] >= -15', then 3, else
If [fluctuation] >= -20', then 2, else 1

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM. Rows 1922-1994.

Largemouth Bass Reservoir Habitat Index

Table with columns: Product, 1922-1994.

73 - year Average: 9

73 - year Average: 32

312.84

1929 - '34 Average: 200.7

STUDY: 1995C06F-SWRBCEP-634 DWRSIM: recirc818VA, 10 Apr 98
 CP # 20, LAKE McCCLURE, EOP SURFACE ELEVATION (FT)
 Project: /1995C06F-SWRBCEP-634/20/ELEVATION-EOP//1MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 867

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 875 | 875 | 891 | 707 | 756 | 777 | 785 | 837 | 867 | 860 | 846 | 836 |
| 1923 | 808 | 808 | 808 | 808 | 808 | 814 | 815 | 839 | 852 | 847 | 843 | 840 |
| 1924 | 808 | 808 | 808 | 808 | 808 | 807 | 805 | 803 | 790 | 772 | 758 | 746 |
| 1925 | 742 | 748 | 755 | 760 | 784 | 794 | 810 | 831 | 835 | 822 | 804 | 792 |
| 1926 | 787 | 787 | 788 | 790 | 803 | 809 | 827 | 820 | 819 | 815 | 807 | 799 |
| 1927 | 795 | 796 | 800 | 800 | 808 | 814 | 815 | 839 | 852 | 847 | 843 | 840 |
| 1928 | 808 | 808 | 808 | 808 | 808 | 809 | 804 | 813 | 811 | 804 | 800 | 797 |
| 1929 | 794 | 793 | 792 | 792 | 794 | 796 | 794 | 794 | 794 | 796 | 799 | 793 |
| 1930 | 789 | 788 | 788 | 787 | 787 | 782 | 784 | 781 | 786 | 789 | 793 | 791 |
| 1931 | 787 | 786 | 786 | 787 | 789 | 789 | 792 | 795 | 781 | 763 | 747 | 735 |
| 1932 | 730 | 731 | 753 | 766 | 802 | 811 | 817 | 838 | 859 | 849 | 833 | 823 |
| 1933 | 808 | 807 | 806 | 808 | 808 | 811 | 814 | 819 | 834 | 822 | 807 | 799 |
| 1934 | 795 | 794 | 797 | 803 | 808 | 816 | 819 | 809 | 800 | 783 | 769 | 760 |
| 1935 | 756 | 760 | 765 | 783 | 795 | 805 | 839 | 859 | 867 | 854 | 839 | 828 |
| 1936 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 865 | 853 | 838 | 827 |
| 1937 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 853 | 838 | 827 |
| 1938 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 855 | 840 |
| 1939 | 808 | 808 | 808 | 808 | 808 | 816 | 826 | 823 | 810 | 792 | 774 | 763 |
| 1940 | 762 | 763 | 764 | 793 | 808 | 820 | 836 | 859 | 861 | 845 | 829 | 816 |
| 1941 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 863 | 850 | 840 |
| 1942 | 808 | 808 | 808 | 808 | 808 | 820 | 837 | 859 | 867 | 860 | 851 | 840 |
| 1943 | 808 | 808 | 808 | 808 | 808 | 820 | 840 | 859 | 864 | 853 | 838 | 828 |
| 1944 | 808 | 808 | 808 | 808 | 808 | 817 | 807 | 829 | 831 | 817 | 799 | 785 |
| 1945 | 779 | 786 | 793 | 797 | 808 | 820 | 832 | 850 | 863 | 853 | 838 | 828 |
| 1946 | 808 | 808 | 808 | 808 | 808 | 818 | 832 | 851 | 850 | 834 | 816 | 803 |
| 1947 | 800 | 806 | 808 | 808 | 808 | 815 | 819 | 829 | 822 | 806 | 790 | 780 |
| 1948 | 777 | 778 | 779 | 781 | 783 | 782 | 785 | 806 | 826 | 809 | 791 | 776 |
| 1949 | 770 | 769 | 770 | 771 | 776 | 785 | 793 | 811 | 810 | 788 | 767 | 749 |
| 1950 | 742 | 741 | 741 | 751 | 766 | 769 | 786 | 805 | 806 | 785 | 763 | 745 |
| 1951 | 738 | 800 | 808 | 808 | 808 | 819 | 820 | 828 | 825 | 805 | 784 | 768 |
| 1952 | 762 | 763 | 776 | 808 | 808 | 820 | 840 | 859 | 867 | 864 | 852 | 840 |
| 1953 | 808 | 808 | 808 | 808 | 808 | 809 | 809 | 805 | 813 | 798 | 778 | 762 |
| 1954 | 756 | 756 | 756 | 760 | 770 | 784 | 801 | 817 | 808 | 787 | 765 | 747 |
| 1955 | 740 | 738 | 742 | 750 | 756 | 759 | 756 | 777 | 788 | 771 | 752 | 740 |
| 1956 | 733 | 733 | 808 | 808 | 808 | 819 | 826 | 855 | 867 | 863 | 850 | 840 |
| 1957 | 808 | 808 | 808 | 808 | 808 | 813 | 807 | 818 | 829 | 811 | 793 | 777 |
| 1958 | 771 | 772 | 777 | 784 | 801 | 820 | 840 | 859 | 867 | 862 | 850 | 840 |
| 1959 | 808 | 808 | 808 | 808 | 808 | 813 | 815 | 815 | 806 | 785 | 768 | 761 |
| 1960 | 757 | 755 | 755 | 756 | 769 | 777 | 790 | 801 | 798 | 781 | 767 | 757 |
| 1961 | 751 | 752 | 755 | 755 | 759 | 760 | 766 | 770 | 762 | 740 | 723 | 711 |
| 1962 | 704 | 705 | 708 | 711 | 759 | 768 | 790 | 800 | 817 | 802 | 782 | 766 |
| 1963 | 762 | 762 | 763 | 772 | 808 | 814 | 819 | 839 | 853 | 844 | 829 | 817 |
| 1964 | 808 | 808 | 808 | 808 | 808 | 808 | 809 | 816 | 814 | 798 | 781 | 772 |
| 1965 | 766 | 770 | 808 | 808 | 808 | 815 | 831 | 848 | 867 | 861 | 850 | 840 |
| 1966 | 808 | 808 | 808 | 808 | 808 | 814 | 821 | 829 | 816 | 793 | 771 | 759 |
| 1967 | 751 | 754 | 780 | 794 | 804 | 820 | 840 | 859 | 867 | 867 | 856 | 840 |
| 1968 | 808 | 808 | 808 | 808 | 808 | 812 | 809 | 810 | 801 | 781 | 764 | 752 |
| 1969 | 744 | 750 | 760 | 808 | 808 | 820 | 840 | 859 | 867 | 867 | 854 | 840 |
| 1970 | 808 | 808 | 808 | 808 | 808 | 820 | 814 | 828 | 828 | 810 | 791 | 776 |
| 1971 | 770 | 773 | 784 | 794 | 800 | 804 | 799 | 808 | 820 | 803 | 784 | 769 |
| 1972 | 763 | 763 | 771 | 776 | 784 | 796 | 797 | 809 | 810 | 794 | 777 | 770 |
| 1973 | 767 | 768 | 775 | 790 | 808 | 820 | 827 | 859 | 867 | 852 | 838 | 828 |
| 1974 | 808 | 808 | 808 | 808 | 808 | 820 | 833 | 859 | 867 | 854 | 839 | 829 |
| 1975 | 808 | 808 | 808 | 808 | 808 | 820 | 822 | 849 | 867 | 856 | 842 | 832 |
| 1976 | 808 | 808 | 808 | 808 | 808 | 809 | 806 | 804 | 793 | 775 | 762 | 752 |
| 1977 | 747 | 745 | 743 | 743 | 743 | 738 | 727 | 711 | 696 | 663 | 628 | 626 |
| 1978 | 626 | 626 | 641 | 693 | 741 | 782 | 815 | 859 | 867 | 867 | 856 | 840 |
| 1979 | 808 | 808 | 808 | 808 | 808 | 820 | 826 | 858 | 862 | 848 | 833 | 822 |
| 1980 | 808 | 808 | 808 | 808 | 808 | 820 | 834 | 859 | 867 | 867 | 855 | 840 |
| 1981 | 808 | 807 | 807 | 808 | 808 | 813 | 817 | 826 | 822 | 805 | 791 | 782 |
| 1982 | 778 | 787 | 801 | 808 | 808 | 820 | 840 | 859 | 867 | 865 | 854 | 840 |
| 1983 | 808 | 808 | 808 | 808 | 808 | 820 | 836 | 859 | 867 | 867 | 864 | 840 |
| 1984 | 808 | 808 | 808 | 808 | 808 | 820 | 822 | 841 | 839 | 823 | 803 | 789 |
| 1985 | 785 | 789 | 793 | 796 | 802 | 807 | 820 | 830 | 824 | 808 | 794 | 783 |
| 1986 | 780 | 783 | 790 | 799 | 808 | 820 | 839 | 859 | 867 | 855 | 841 | 830 |
| 1987 | 808 | 807 | 807 | 808 | 808 | 810 | 817 | 817 | 807 | 791 | 777 | 769 |
| 1988 | 765 | 766 | 768 | 773 | 778 | 783 | 786 | 786 | 778 | 761 | 744 | 733 |
| 1989 | 727 | 727 | 729 | 730 | 735 | 756 | 779 | 792 | 788 | 771 | 757 | 745 |
| 1990 | 744 | 745 | 746 | 749 | 754 | 761 | 773 | 774 | 765 | 746 | 728 | 716 |
| 1991 | 710 | 709 | 708 | 707 | 707 | 729 | 736 | 761 | 775 | 762 | 746 | 734 |
| 1992 | 729 | 730 | 732 | 734 | 751 | 758 | 775 | 781 | 769 | 754 | 737 | 726 |
| 1993 | 721 | 721 | 727 | 777 | 799 | 820 | 834 | 859 | 867 | 861 | 848 | 837 |
| 1994 | 808 | 807 | 808 | 808 | 808 | 810 | 811 | 814 | 806 | 790 | 776 | 767 |

Difference from Maximum Reservoir Elevation [DFMRE]

| MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|
| 90 | 82 | 30 | 0 | 7 | 21 | 31 |
| 54 | 44 | 21 | 16 | 26 | 41 | 52 |
| 60 | 62 | 64 | 77 | 95 | 109 | 121 |
| 73 | 57 | 36 | 32 | 45 | 63 | 75 |
| 58 | 40 | 47 | 48 | 52 | 60 | 68 |
| 53 | 52 | 28 | 15 | 20 | 24 | 27 |
| 58 | 63 | 54 | 56 | 63 | 67 | 70 |
| 71 | 73 | 73 | 73 | 71 | 68 | 74 |
| 85 | 83 | 86 | 81 | 78 | 74 | 76 |
| 78 | 75 | 72 | 86 | 104 | 120 | 132 |
| 56 | 50 | 29 | 8 | 18 | 34 | 44 |
| 56 | 53 | 48 | 33 | 45 | 60 | 68 |
| 51 | 48 | 58 | 67 | 84 | 98 | 107 |
| 62 | 28 | 8 | 0 | 13 | 28 | 39 |
| 47 | 27 | 8 | 2 | 14 | 29 | 40 |
| 47 | 33 | 8 | 0 | 14 | 29 | 40 |
| 47 | 27 | 8 | 0 | 12 | 27 | 37 |
| 51 | 41 | 44 | 57 | 75 | 93 | 104 |
| 47 | 31 | 8 | 0 | 22 | 38 | 51 |
| 47 | 33 | 8 | 0 | 4 | 17 | 27 |
| 47 | 30 | 8 | 0 | 7 | 16 | 27 |
| 47 | 27 | 8 | 3 | 14 | 29 | 39 |
| 50 | 60 | 38 | 36 | 50 | 68 | 82 |
| 47 | 35 | 17 | 4 | 14 | 29 | 39 |
| 49 | 35 | 16 | 17 | 33 | 51 | 64 |
| 52 | 48 | 38 | 45 | 61 | 77 | 87 |
| 85 | 82 | 61 | 41 | 58 | 76 | 91 |
| 82 | 74 | 56 | 57 | 79 | 100 | 118 |
| 98 | 81 | 62 | 61 | 82 | 104 | 122 |
| 48 | 47 | 39 | 42 | 62 | 83 | 99 |
| 47 | 27 | 8 | 0 | 3 | 15 | 27 |
| 58 | 58 | 62 | 54 | 69 | 89 | 105 |
| 83 | 66 | 50 | 59 | 80 | 102 | 120 |
| 108 | 111 | 90 | 79 | 96 | 115 | 127 |
| 48 | 41 | 12 | 0 | 4 | 17 | 27 |
| 54 | 60 | 49 | 38 | 56 | 74 | 90 |
| 47 | 27 | 8 | 0 | 5 | 17 | 27 |
| 54 | 52 | 52 | 61 | 82 | 99 | 106 |
| 90 | 77 | 66 | 69 | 86 | 100 | 110 |
| 107 | 101 | 97 | 105 | 127 | 144 | 156 |
| 99 | 77 | 67 | 50 | 65 | 85 | 101 |
| 53 | 48 | 28 | 14 | 23 | 38 | 50 |
| 59 | 58 | 51 | 53 | 69 | 86 | 95 |
| 52 | 36 | 19 | 0 | 6 | 17 | 27 |
| 53 | 46 | 38 | 51 | 74 | 96 | 108 |
| 47 | 27 | 8 | 0 | 11 | 27 | 37 |
| 55 | 58 | 57 | 66 | 86 | 103 | 115 |
| 47 | 27 | 8 | 0 | 13 | 27 | 37 |
| 47 | 53 | 39 | 39 | 57 | 76 | 91 |
| 63 | 68 | 59 | 47 | 64 | 83 | 98 |
| 71 | 70 | 58 | 57 | 73 | 90 | 97 |
| 47 | 40 | 8 | 0 | 15 | 29 | 39 |
| 47 | 34 | 8 | 0 | 13 | 28 | 35 |
| 47 | 45 | 18 | 0 | 11 | 25 | 35 |
| 58 | 61 | 63 | 74 | 92 | 105 | 115 |
| 129 | 140 | 156 | 171 | 204 | 239 | 241 |
| 85 | 52 | 8 | 0 | 11 | 27 | 37 |
| 47 | 41 | 9 | 5 | 19 | 34 | 45 |
| 47 | 33 | 8 | 0 | 12 | 27 | 37 |
| 54 | 50 | 41 | 45 | 62 | 76 | 85 |
| 47 | 27 | 8 | 0 | 2 | 13 | 27 |
| 47 | 31 | 8 | 0 | 3 | 27 | 37 |
| 47 | 45 | 26 | 28 | 44 | 64 | 78 |
| 60 | 47 | 37 | 43 | 59 | 73 | 84 |
| 47 | 28 | 8 | 0 | 12 | 26 | 37 |
| 57 | 50 | 50 | 60 | 76 | 90 | 98 |
| 84 | 81 | 81 | 89 | 106 | 123 | 134 |
| 111 | 88 | 75 | 79 | 96 | 110 | 122 |
| 106 | 94 | 93 | 102 | 121 | 139 | 151 |
| 138 | 131 | 106 | 92 | 105 | 121 | 133 |
| 109 | 92 | 86 | 98 | 113 | 130 | 141 |
| | | | | | | |

STUDY: 1995C06F-SWRCBJP-634 DWRSIM: recirc818VA, 10 Apr 98
 CP # 18, MILLERTON LAKE, EOP SURFACE ELEVATION (FT)
 Project :/1995C06F-SWRCBJP-634/18/ELEVATION-EOP/1/MON/OUTPUT/
 73 - year maximum March - September Reservoir Elevation = 576'

| YEAR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 491 | 505 | 527 | 547 | 549 | 566 | 559 | 576 | 576 | 562 | 518 | 491 |
| 1923 | 485 | 495 | 520 | 537 | 531 | 517 | 541 | 549 | 540 | 526 | 463 | 470 |
| 1924 | 483 | 494 | 508 | 522 | 516 | 503 | 506 | 511 | 505 | 478 | 464 | 468 |
| 1925 | 465 | 474 | 490 | 503 | 508 | 493 | 514 | 532 | 522 | 499 | 483 | 475 |
| 1926 | 477 | 490 | 505 | 519 | 522 | 508 | 549 | 563 | 535 | 494 | 473 | 485 |
| 1927 | 491 | 506 | 528 | 545 | 560 | 561 | 560 | 569 | 576 | 543 | 492 | 482 |
| 1928 | 482 | 503 | 525 | 542 | 540 | 543 | 551 | 554 | 522 | 477 | 465 | 477 |
| 1929 | 485 | 499 | 513 | 523 | 517 | 513 | 531 | 531 | 527 | 506 | 466 | 477 |
| 1930 | 480 | 495 | 507 | 518 | 514 | 510 | 525 | 534 | 518 | 489 | 466 | 482 |
| 1931 | 487 | 501 | 513 | 522 | 517 | 508 | 510 | 516 | 508 | 482 | 466 | 466 |
| 1932 | 467 | 476 | 503 | 520 | 543 | 531 | 524 | 532 | 552 | 518 | 492 | 477 |
| 1933 | 477 | 489 | 501 | 516 | 512 | 501 | 520 | 537 | 526 | 509 | 466 | 467 |
| 1934 | 470 | 480 | 500 | 517 | 511 | 503 | 516 | 527 | 523 | 498 | 477 | 486 |
| 1935 | 490 | 500 | 515 | 535 | 532 | 509 | 542 | 563 | 574 | 538 | 469 | 479 |
| 1936 | 486 | 502 | 518 | 533 | 560 | 558 | 564 | 576 | 563 | 521 | 472 | 478 |
| 1937 | 488 | 497 | 516 | 535 | 560 | 570 | 576 | 576 | 576 | 538 | 484 | 469 |
| 1938 | 472 | 486 | 533 | 560 | 560 | 542 | 529 | 467 | 572 | 576 | 532 | 520 |
| 1939 | 513 | 514 | 529 | 538 | 532 | 524 | 542 | 560 | 539 | 504 | 473 | 495 |
| 1940 | 495 | 504 | 517 | 550 | 550 | 552 | 548 | 561 | 553 | 512 | 466 | 471 |
| 1941 | 481 | 494 | 528 | 556 | 560 | 573 | 573 | 569 | 576 | 569 | 527 | 506 |
| 1942 | 497 | 507 | 532 | 552 | 549 | 553 | 554 | 562 | 576 | 555 | 509 | 477 |
| 1943 | 477 | 494 | 518 | 557 | 556 | 576 | 574 | 576 | 562 | 526 | 491 | 476 |
| 1944 | 479 | 491 | 508 | 521 | 524 | 507 | 516 | 517 | 501 | 494 | 490 | 480 |
| 1945 | 481 | 503 | 523 | 533 | 560 | 568 | 565 | 571 | 576 | 554 | 511 | 481 |
| 1946 | 485 | 502 | 531 | 548 | 528 | 524 | 536 | 559 | 546 | 510 | 478 | 480 |
| 1947 | 481 | 500 | 526 | 543 | 541 | 530 | 545 | 556 | 535 | 497 | 473 | 481 |
| 1948 | 488 | 503 | 518 | 529 | 523 | 530 | 556 | 551 | 541 | 483 | 480 | 484 |
| 1949 | 490 | 500 | 513 | 526 | 524 | 511 | 522 | 538 | 521 | 482 | 477 | 489 |
| 1950 | 492 | 503 | 519 | 536 | 541 | 524 | 534 | 551 | 539 | 506 | 476 | 482 |
| 1951 | 490 | 533 | 560 | 560 | 554 | 546 | 552 | 546 | 514 | 463 | 463 | 481 |
| 1952 | 488 | 500 | 530 | 559 | 560 | 567 | 559 | 526 | 576 | 571 | 525 | 508 |
| 1953 | 501 | 514 | 533 | 549 | 538 | 532 | 541 | 536 | 518 | 497 | 478 | 481 |
| 1954 | 488 | 497 | 514 | 532 | 532 | 527 | 537 | 560 | 544 | 507 | 465 | 483 |
| 1955 | 489 | 502 | 522 | 540 | 537 | 520 | 534 | 545 | 537 | 504 | 481 | 487 |
| 1956 | 491 | 499 | 560 | 560 | 560 | 576 | 576 | 561 | 576 | 566 | 524 | 505 |
| 1957 | 496 | 504 | 517 | 527 | 525 | 529 | 546 | 561 | 562 | 526 | 471 | 481 |
| 1958 | 488 | 501 | 525 | 545 | 554 | 565 | 576 | 576 | 576 | 557 | 516 | 498 |
| 1959 | 492 | 507 | 523 | 530 | 536 | 528 | 550 | 566 | 551 | 500 | 470 | 475 |
| 1960 | 474 | 475 | 480 | 490 | 503 | 498 | 515 | 525 | 509 | 496 | 483 | 481 |
| 1961 | 481 | 491 | 505 | 511 | 510 | 511 | 526 | 539 | 527 | 486 | 467 | 467 |
| 1962 | 468 | 471 | 484 | 492 | 538 | 529 | 527 | 555 | 569 | 540 | 489 | 476 |
| 1963 | 479 | 491 | 501 | 518 | 558 | 558 | 576 | 576 | 576 | 564 | 520 | 503 |
| 1964 | 490 | 517 | 542 | 551 | 547 | 544 | 553 | 561 | 551 | 508 | 476 | 484 |
| 1965 | 481 | 496 | 529 | 560 | 556 | 554 | 559 | 551 | 561 | 540 | 512 | 496 |
| 1966 | 487 | 513 | 546 | 558 | 541 | 526 | 545 | 564 | 550 | 506 | 486 | 486 |
| 1967 | 490 | 502 | 539 | 559 | 560 | 571 | 565 | 514 | 570 | 576 | 539 | 522 |
| 1968 | 515 | 521 | 539 | 545 | 545 | 539 | 550 | 554 | 539 | 506 | 478 | 482 |
| 1969 | 480 | 496 | 513 | 560 | 524 | 521 | 467 | 469 | 576 | 576 | 538 | 513 |
| 1970 | 498 | 516 | 540 | 560 | 560 | 554 | 554 | 555 | 544 | 517 | 476 | 477 |
| 1971 | 482 | 502 | 534 | 551 | 548 | 533 | 541 | 544 | 520 | 498 | 491 | 478 |
| 1972 | 479 | 491 | 519 | 536 | 532 | 524 | 537 | 543 | 540 | 497 | 481 | 481 |
| 1973 | 489 | 501 | 523 | 545 | 560 | 560 | 550 | 575 | 576 | 542 | 483 | 477 |
| 1974 | 487 | 510 | 545 | 560 | 544 | 550 | 559 | 570 | 573 | 537 | 490 | 473 |
| 1975 | 476 | 494 | 515 | 528 | 535 | 526 | 533 | 536 | 567 | 525 | 476 | 482 |
| 1976 | 489 | 511 | 531 | 541 | 539 | 544 | 547 | 542 | 519 | 492 | 479 | 494 |
| 1977 | 490 | 496 | 500 | 503 | 501 | 464 | 465 | 464 | 462 | 466 | 461 | 462 |
| 1978 | 462 | 462 | 484 | 532 | 560 | 552 | 510 | 498 | 576 | 576 | 548 | 539 |
| 1979 | 528 | 535 | 549 | 560 | 555 | 562 | 560 | 571 | 563 | 521 | 477 | 482 |
| 1980 | 489 | 488 | 508 | 560 | 560 | 558 | 566 | 550 | 576 | 576 | 542 | 513 |
| 1981 | 503 | 512 | 520 | 528 | 531 | 533 | 547 | 553 | 543 | 510 | 477 | 488 |
| 1982 | 491 | 504 | 536 | 560 | 560 | 576 | 546 | 561 | 576 | 576 | 546 | 541 |
| 1983 | 531 | 556 | 560 | 560 | 513 | 484 | 467 | 467 | 483 | 564 | 572 | 576 |
| 1984 | 560 | 560 | 560 | 560 | 560 | 568 | 570 | 570 | 557 | 530 | 487 | 483 |
| 1985 | 482 | 492 | 511 | 536 | 533 | 526 | 551 | 563 | 539 | 501 | 483 | 483 |
| 1986 | 490 | 508 | 534 | 554 | 550 | 552 | 574 | 565 | 576 | 558 | 503 | 479 |
| 1987 | 480 | 489 | 492 | 495 | 496 | 511 | 530 | 551 | 539 | 503 | 473 | 480 |
| 1988 | 482 | 495 | 507 | 526 | 516 | 527 | 539 | 547 | 527 | 498 | 483 | 486 |
| 1989 | 486 | 497 | 505 | 515 | 512 | 516 | 537 | 552 | 540 | 502 | 478 | 484 |
| 1990 | 489 | 495 | 502 | 510 | 510 | 517 | 532 | 544 | 525 | 508 | 479 | 483 |
| 1991 | 480 | 486 | 492 | 499 | 493 | 489 | 501 | 508 | 512 | 506 | 480 | 486 |
| 1992 | 485 | 490 | 494 | 498 | 499 | 490 | 493 | 494 | 480 | 470 | 465 | 466 |
| 1993 | 467 | 466 | 476 | 536 | 543 | 556 | 558 | 576 | 576 | 571 | 522 | 499 |
| 1994 | 490 | 497 | 507 | 512 | 508 | 520 | 534 | 548 | 528 | 498 | 478 | 484 |

Reservoir Elevation Scoring Table:
 If [DFMRE] <= 0', then 6, else
 If [DFMRE] <= 5', then 5, else
 If [DFMRE] <= 10', then 4, else
 If [DFMRE] <= 15', then 3, else
 If [DFMRE] <= 20', then 2, else 1

Difference from Maximum Reservoir Elevation [DFMRE]

Reservoir Change from Previous Month [Fluctuation]

Reservoir Fluctuation Scoring Table:
 If [fluctuation] >= 0', then 6, else
 If [fluctuation] >= -5', then 5, else
 If [fluctuation] >= -10', then 4, else
 If [fluctuation] >= -15', then 3, else
 If [fluctuation] >= -20', then 2, else 1

Largemouth Bass Reservoir Habitat Index

| MAR | APR | MAY | JUN | JUL | AUG | SEP | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | MAR | APR | MAY | JUN | JUL | AUG | SEP | SUM | Product | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|----|-----|
| 10 | 17 | 0 | 0 | 14 | 58 | 106 | 3 | 2 | 6 | 6 | 3 | 1 | 1 | 22 | 17 | -7 | 17 | 0 | -14 | -44 | -27 | 6 | 4 | 6 | 6 | 3 | 1 | 1 | 27 | 594 |
| 59 | 35 | 27 | 36 | 50 | 113 | 805 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -14 | -24 | 8 | -9 | -14 | -63 | 7 | 3 | 6 | 6 | 4 | 3 | 1 | 6 | 29 | 203 |
| 73 | 70 | 65 | 71 | 98 | 112 | 108 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -13 | 3 | 5 | -6 | -27 | -14 | 4 | 3 | 6 | 6 | 4 | 1 | 3 | 6 | 29 | 203 |
| 83 | 62 | 44 | 54 | 77 | 93 | 101 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -15 | 21 | 18 | -10 | -23 | -16 | -8 | 3 | 6 | 6 | 4 | 1 | 2 | 4 | 26 | 182 |
| 68 | 27 | 13 | 41 | 82 | 103 | 91 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 9 | -14 | 41 | 14 | -28 | -41 | -21 | 12 | 3 | 6 | 6 | 1 | 1 | 1 | 6 | 24 | 216 |
| 15 | 16 | 7 | 0 | 33 | 84 | 94 | 2 | 2 | 4 | 6 | 1 | 1 | 1 | 17 | 1 | -1 | 9 | 7 | -33 | -51 | -10 | 6 | 5 | 6 | 6 | 1 | 1 | 4 | 29 | 493 |
| 33 | 25 | 22 | 54 | 99 | 111 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 3 | 8 | 3 | -32 | -45 | -12 | 12 | 6 | 6 | 6 | 1 | 1 | 3 | 6 | 29 | 203 |
| 63 | 45 | 45 | 49 | 70 | 110 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 18 | 0 | -4 | -21 | -40 | 11 | 5 | 6 | 6 | 5 | 1 | 1 | 6 | 30 | 210 |
| 66 | 51 | 42 | 58 | 87 | 110 | 94 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -4 | 15 | 9 | -16 | -29 | -23 | 16 | 5 | 6 | 6 | 2 | 1 | 1 | 6 | 27 | 189 |
| 68 | 66 | 60 | 68 | 94 | 110 | 110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -9 | 2 | 6 | -8 | -26 | -16 | 0 | 4 | 6 | 6 | 4 | 1 | 2 | 6 | 29 | 203 |
| 45 | 52 | 44 | 24 | 58 | 84 | 99 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -12 | -7 | 8 | 20 | -34 | -26 | -15 | 3 | 4 | 6 | 6 | 1 | 1 | 3 | 24 | 168 |
| 75 | 56 | 39 | 50 | 67 | 110 | 109 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -11 | 19 | 17 | -11 | -17 | -43 | 1 | 3 | 6 | 6 | 3 | 2 | 1 | 6 | 27 | 189 |
| 73 | 60 | 49 | 53 | 78 | 99 | 90 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | -8 | 13 | 11 | -4 | -25 | -21 | 9 | 4 | 6 | 6 | 5 | 1 | 1 | 6 | 29 | 203 |
| 67 | 34 | 13 | 2 | 38 | 107 | 97 | 1 | 1 | 1 | 3 | 5 | 1 | 1 | 13 | -23 | 33 | 21 | 11 | -36 | -69 | 10 | 1 | 6 | 6 | 6 | 1 | 1 | 6 | 27 | 351 |
| 18 | 12 | 0 | 13 | 55 | 104 | 98 | 2 | 3 | 6 | 3 | 1 | 1 | 1 | 17 | -2 | 6 | 12 | -13 | -42 | -49 | 6 | 5 | 6 | 6 | 3 | 1 | 1 | 6 | 28 | 476 |
| 6 | 0 | 0 | 0 | 38 | 92 | 107 | 4 | 6 | 6 | 6 | 1 | 1 | 1 | 25 | 10 | 6 | 0 | 0 | -38 | -54 | -15 | 6 | 6 | 6 | 6 | 1 | 1 | 3 | 29 | 725 |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STUDY: 1995C06F-SWRBJP-634 DWRSIM: recirc818VA, 10 Apr 98
CP # 12, SWP SAN LUIS RESERVOIR, EOP SURFACE ELEVATION (FT)
Project: /1995C06F-SWRBJP-634/12/ELEVATION-EOP//MON/OUTPUT/

73 - year maximum March - September Reservoir Elevation = 544'

Table with columns: YEAR, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows 1922-1994.

Difference from Maximum Reservoir Elevation [DFMRE]

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows 1922-1994.

Reservoir Elevation Scoring Table:
If [DFMRE] <= 0', then 6, else
If [DFMRE] <= 5', then 5, else
If [DFMRE] <= 10', then 4, else
If [DFMRE] <= 15', then 3, else
If [DFMRE] <= 20', then 2, else 1

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM. Rows 1922-1994.

Reservoir Change from Previous Month [fluctuation]

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows 1922-1994.

Reservoir Fluctuation Scoring Table:
If [fluctuation] >= 0', then 6, else
If [fluctuation] >= -5', then 5, else
If [fluctuation] >= -10', then 4, else
If [fluctuation] >= -15', then 3, else
If [fluctuation] >= -20', then 2, else 1

Table with columns: MAR, APR, MAY, JUN, JUL, AUG, SEP, SUM. Rows 1922-1994.

Largemouth Bass Reservoir Habitat Index

Table with columns: Product. Rows 1922-1994.

73 - year Average: 14

73 - year Average: 21
1929 - '34 Average: 179.7

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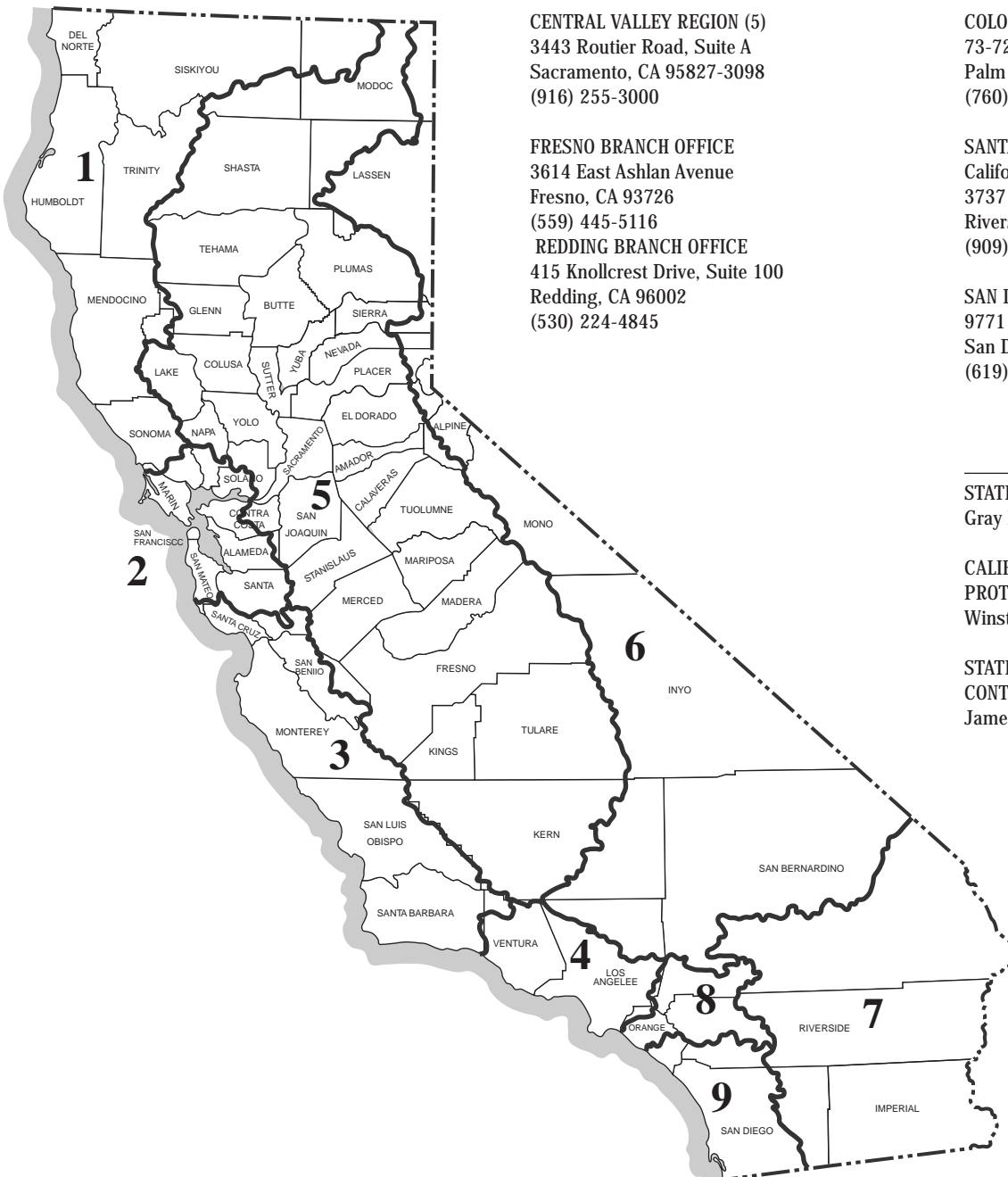
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 San Diego, CA 92124
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