Appendix H1b

Water Temperature Modeling and Fish Assessment for the Sacramento, Feather, American, and Yuba Rivers

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H1b.1 Introduction

This appendix includes information related to temperature modeling and fish assessments specific to the revised proposed Plan amendments and is based on the structure of Appendix A6 of the 2023 *Draft Staff Report/Substitute Environmental Document in Support of Potential Updates to the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary for the Sacramento River and its Tributaries, Delta Eastside Tributaries, and Delta* (2023 Draft Staff Report). This appendix does not require cross-referencing to Appendix A6. It contains all information from Appendix A6 with additional information needed for assessments of the revised proposed Plan amendments, now including the Yuba River, the 55% unimpaired flow with water supply adjustments (55 w/WSAs) scenario, and differences in modeling assumptions. Resulting model temperatures also reflect modeling changes in Sacramento Water Allocation Model (SacWAM) including changes to carryover targets. Updates and additions include:

- Development of a Yuba River HEC-5Q model that can be integrated to the Feather and American temperature model
- Changes to the HEC-5Q pre-processor and HEC-5Q executable files necessary for development of the Yuba Model and extension through September 2021
- Improvements to the Oroville Reservoir power bypass functionality
- Inclusion of power bypass functionality at Folsom Reservoir
- Revised temperature target input file options for Folsom and Shasta Reservoirs
- Combined Yuba, American, and Feather River HEC-5Q data input files
- Updates and extension of the meteorological data to September 2021, used for developing inflow boundary temperatures.
- Other minor modifications to the Sacramento, Feather, and American River HEC-5Q models and associated model performance evaluation
- Development of temperature indices for the fish assessment for the Yuba River
- New temperature simulations based on the new SacWAM results described in Appendix H1a, including the VA and 55 w/WSAs scenarios
- New assessments of fish effects based on the new temperature model results.

In order to incorporate the Yuba model, the HEC-5Q and pre-processor executable files used for all tributaries were adjusted and recompiled with a Fortran compiler.

H1b.2 HEC-5Q History of Model Development and Application

H1b.2.1 HEC-5Q Model Development

HEC-5Q was developed to add water quality calculations to the HEC-5 hydraulic model. The original HEC-5 model was created by Bill S. Eichert at the Hydrologic Engineering Center in 1973 and was originally used to model reservoir system operation for a single flood event. The capabilities of the HEC-5 program were expanded to model historical or synthetic hydrology to determine conservation storage requirements, emergency releases, and flood control storage throughout a

reservoir system. It is also used for modeling reservoir releases for hydropower generation and meeting downstream flow or water supply objectives. (USACE 1998).

In 1979, water temperature calculations were added to HEC-5 to create HEC-5Q, allowing for temperature simulation in a single reservoir and the downstream river channel. Between 1979 and 1997, multiple improvements were made to HEC-5Q, including adding multiple conservative and non-conservative water quality constituents; capacity to simulate many reservoirs, river branches, and control points; ability to increase reservoir releases to meet downstream water quality objectives; and selective withdrawal from reservoirs with multiple outlet ports to meet reservoir release water quality targets. While streams are modeled longitudinal in one dimension in HEC-5Q, reservoirs can be modeled in layers and/or longitudinally. (RMA 1998).

H1b.2.2 Early Application of HEC-5Q to the Sacramento River System

HEC-5Q has been used to simulate water temperature in the Sacramento River system for decades. Several documents provide descriptions of milestones in the model development process.

U.S. Army Corps of Engineers (USACE) 1986: The Sacramento River system was one of the first systems modeled by HEC-5Q as one of several demonstration applications. This first version of the Sacramento model included the Sacramento River starting at Shasta Reservoir, Feather River starting at Oroville Reservoir, and American River starting at Folsom Reservoir. The HEC-5 model had been developed initially by USACE to simulate Shasta, Oroville, and Folsom operation from a basin-wide perspective. The inflow from the Trinity River and export to the Thermalito complex were represented as a source and a sink, respectively. Water temperature was only one of several water quality parameters modeled. The model was compared to data measured prior to 1980 and produced reasonable results for Sacramento River temperatures between Shasta Reservoir and Hamilton City. Data limitations precluded evaluation of performance for the American and Feather River portions of the model. (USACE 1986).

At the time this model was created, data limitations (STORET data seldom included more than 10 measurements per year) generally precluded rigorous calibration. In contrast, all subsequent model applications for this system utilized detailed vertical lake profiles and sub-daily temperature time series data. Much of the HEC-5Q input data for this model were hypothetical, and essentially all the inputs were replaced during subsequent projects. Additionally, this was one of the last applications to use a 24-hour time step that severely limited model performance.

Resource Management Associates, Inc. (RMA) 2003: Further refinements for modeling the Trinity River and upper Sacramento River are described in RMA 2003. This effort focused on Shasta Reservoir down to Knights Landing, and Trinity River and Stony Creek inputs to the Sacramento River. There was considerable effort made to accurately simulate water temperatures released through the Shasta temperature control device (TCD) that was completed in 1997; modeling included addition of an algorithm to release target temperature for combined discharges based on TCD gate operations, flood control, and leakage flows. The model was calibrated with measured data from 1998 to 2002 and validated with data from 1990 to 1997 (RMA 2003). California Irrigation Management Information (CIMIS) hourly weather data, primarily from the Gerber station, were processed to provide meteorological inputs compatible with 6-hour computational time steps (RMA 2003). Stream cross-section inputs were developed from hydrodynamic model (RMA2) simulation results (RMA 2003). The meteorological input processing procedures and stream cross sections have remained the same since this project.

A primary goal of the upper Sacramento River modeling work was to use CalSim results for 1921–2002 hydrologic conditions to simulate potential future changes in operation or infrastructure such

as raising Shasta Dam or adding north-of-Delta off-stream storage (e.g., Sites Reservoir) (RMA 2003). The 2003 document describes some techniques employed to extend the modeling beyond the calibration/validation period to simulate water temperature for the full set of CalSim output (e.g., RMA 2003).

RMA and Watercourse Engineering 2013: During this model development project, the Feather and American Rivers were added to the Sacramento Basin model (referred to as the *Sacramento River Water Quality Model* [SRWQM]) along with the Sutter Bypass. The Feather River model included Lake Oroville and the three Thermalito complex reservoirs. The American River model included Folsom Lake and Lake Natoma. The selective withdrawal capability of the Oroville Dam power intake and the Folsom Dam TCD were simulated by reservoir specific coding. To combine all river components, the Sacramento River was extended from Knights Landing to Freeport and Sutter Bypass was added. River cross sections were based on available HEC-RAS models. Meteorological data for the Feather and American Rivers were based primarily on the Nicolaus CIMIS data. The Feather and American River components were calibrated to measured water temperature data through 2011 (RMA and Watercourse Engineering 2013).

U.S. Bureau of Reclamation (Reclamation) 2015: HEC-5Q went through an update for the 2015 Coordinated Long-Term Operation of the Central Valley Project and State Water Project (Reclamation 2015). This version utilized components of the 2013 model without the Feather River or the Sacramento River downstream of Knights Landing. There were four main tasks, which included organizing all prior work to create a base version of the model, adjusting the Trinity-Sacramento and American River models to better match measured data, improving mapping between CALSIM II and HEC-5Q input flows, and refining reservoir release withdrawal logic and/or temperature targets at Trinity, Shasta, and Folsom Dams (Reclamation 2015). https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=21883

2015–2020. Between 2015 and 2020, additional model adjustments occurred as a result of calibration runs performed for work with Jacobs and preparation for a training session sponsored by the Water Boards in 2017 (Smith 2017). This work included extension of the meteorology and hydrology for the Sacramento and American River systems through 2017 and evaluation of model performance.

H1b.3 Yuba River Model Development

The Yuba HEC-5Q model was developed for use in evaluating temperature effects of the revised proposed Plan amendments. The Yuba River model uses the same HEC-5Q modeling program as the Sacramento, American, and Feather Rivers, with inputs and calibration specific to the Yuba River.

Past modeling of Yuba River water temperature has relied on linkage of three separate models: (1) a HEC-5Q model extending from inflows to New Bullards Bar Reservoir to the inflow to Englebright Reservoir, (2) a CE-QUAL-W2 model of Englebright Reservoir, and (3) a HEC-5Q model from Englebright Reservoir to the confluence with the Feather River. This combination of models complicates model runs due to the need to pass results from one model to the next. The current version of HEC-5Q uses 2-D modeling to accurately simulate temperatures in re-regulating reservoirs such as Englebright. The new HEC-5Q model for the Yuba River streamlines modeling for the Yuba River, uses the most recent version of HEC-5Q, extends the meteorological record, is run on a 6-hour time step instead of daily, and uses a more accurate approach for estimating channel geometry.

In October 2020, RMA proposed adaptation of the YWA model to align with the specifications of the HEC-5Q models used for the Sacramento, Feather, and American Rivers.

The areal extent of the Yuba River model developed for use in the Staff Report is similar to that developed by the YWA; a schematic of this system is shown below (Figure H1b-1). Note that the Yuba River model control point numbering is such that the Yuba River model can be combined with the model of the Feather and American Rivers.

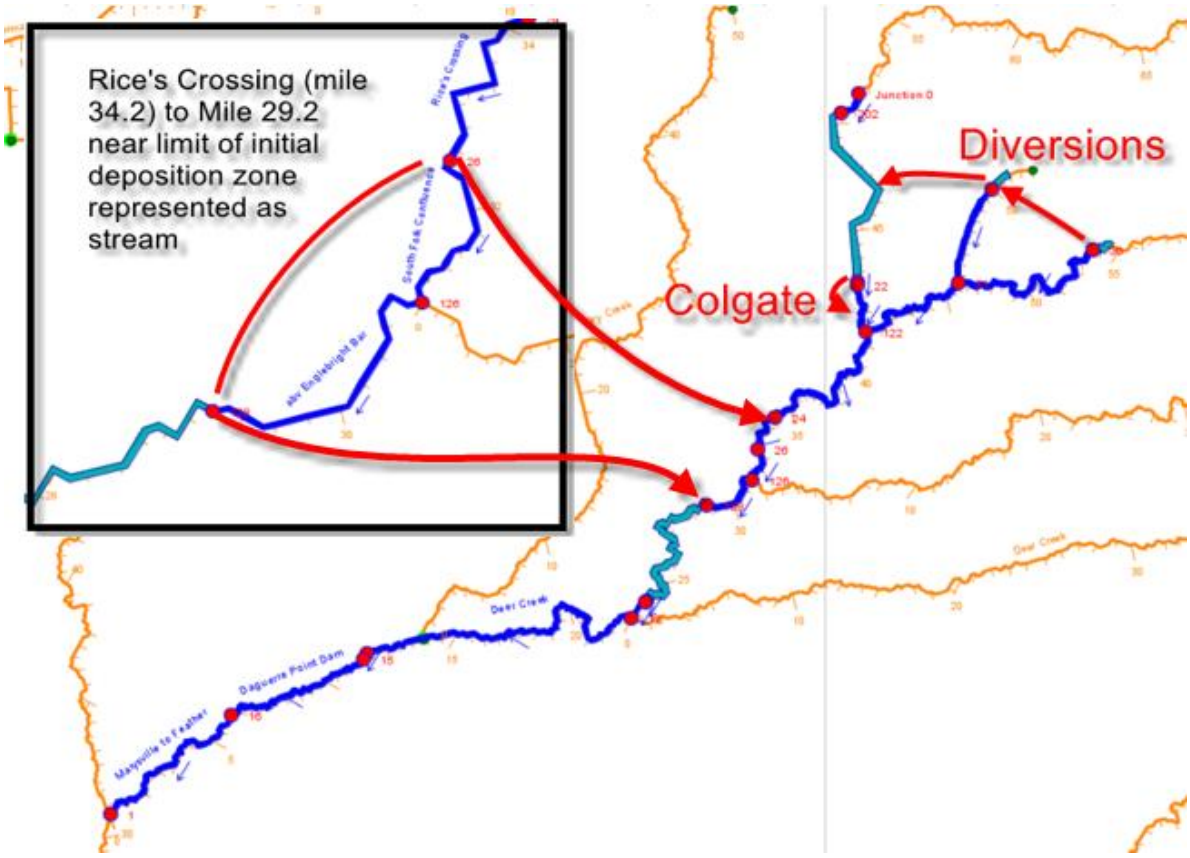


Figure H1b-1. Model Domain Covered by the Yuba River Water Temperature Model. (Blue Indicates River Channels Included in the Yuba River Water Temperature Model.)

Initial work for development of the Yuba River model included the following items.

1. Develop 1-hour and 6-hour time step meteorology based primarily on the CIMIS Browns Valley station.
2. Process Yuba Water Agency stream cross sections to develop the channel depth versus flow relationships according to current standard practice and consistent with the approach recommended for HEC-5Q models. The depth versus flow table allows accurate representation of the channel geometry as described above.
3. Develop the river cross sections in the vicinity of Rice's Crossing, which is shown in Figure H1b-1, considering sedimentation data reported by the U.S. Geological Survey (USGS), *Bathymetric and Geophysical Surveys of Englebright Lake, Yuba-Nevada Counties, California* (Childs et al. 2003). Figure H1b-2, reproduced from a related report (Snyder et al. 2006), shows sediment accumulation in Englebright Reservoir between 1939 and 2001.

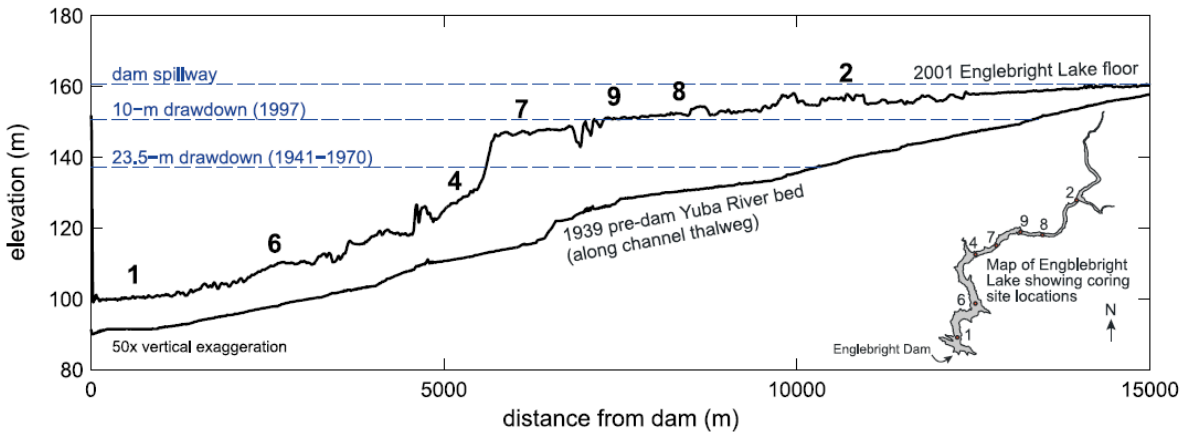


Figure H1b-2. Longitudinal Profile of Sediment Accumulation in Englebright Reservoir

4. Develop a segmented and layered model representation of Englebright Reservoir using data from the USGS report. The area capacity table was developed that corresponded to the sedimentation condition shown in Figure H1b-2.

Since diurnal temperature variations were not considered by the YWA model, actual short-interval measurements are required to assess short-interval HEC-5Q model accuracy. This effort is similar to the additional calibration of the Feather and American Rivers model performed for the 2023 Draft Staff Report. The following tasks were completed to provide a modeling tool for the Yuba River that is comparable to the Sacramento River model and Feather and American Rivers model.

- **Task 1.** Completed development of the Yuba watershed hydrology through September 2021 and collected any available stream temperature data. Reservoir temperature profile data was used to demonstrate the accuracy of the New Bullards Bar portion of the model. California Data Exchange Center (CDEC) and USGS stream flow and temperature data was augmented with YWA data.
- **Task 2.** The Yuba model was calibrated using the Hydrologic Water-Quality Modeling System (HWMS) HEC-5Q interface software to compare time series of measured versus simulated flows and temperatures at key locations where data was available along the Yuba River from boundary conditions (i.e. inflows to the model domain), along the river above and below reservoirs and tributaries, and near the confluence with the Feather River. Reservoir temperature profile data from YWA for New Bullards Bar and Englebright reservoirs were also used to calibrate reservoir stratification and model the temperature profiles within each reservoir. The model performance results at varied locations is found in Section H1b.4 – *Model Performance*.
- **Task 3.** A process was developed to convert SacWAM output to HEC-5Q input. Table H1b-1 includes the linkages between SacWAM and HEC-5Q.

Table H1b-1. Table showing the linkages between HEC-5Q and SacWAM.

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
New Bullards Bar – reservoir storage Feather River low flow channel - net accretions (miles 66.7–59.7)	ZR SS658 A=Yuba B=NBB C=Stor-Res-fit	+new_bullards_bar_reservoir_storage	
Englebright – reservoir storage	ZR SS632 A=Yuba B=Englebright C=Stor-Res-fit	+englebright_reservoir_storage[b]	
New Bullards Bar – reservoir inflow	ZR IN658 A=Yuba B=NBB C=Flow-In	+swrcb_new_bullards_bar_inflow	-new_bullards_bar_reservoir_evap[c]
New Bullards Bar – water balance calculation	ZR QQ658 A=Yuba B=NBB C=FLOW-BAL	+swrcb_new_bullards_bar_inflow	-ops_colgate_powerhouse -reg_north_yuba_blw_new_bullards_bar_dam -new_bullards_bar_reservoir_evap
New Bullards Bar – reservoir evaporation	ZR EV658 A=Yuba B=NBB C=flow-evap	+new_bullards_bar_reservoir_evap	
New Bullards Bar – reservoir diversion	ZR QD658 A=Yuba B=NBB C=FLOW-DIV	+ops_colgate_powerhouse	
New Bullards Bar – reservoir outflow	ZR QA658 A=Yuba B=NBB C=FLOW-OUT	+reg_north_yuba_blw_new_bullards_bar_dam	
Middle Yuba River - inflow	ZR IN672 A=Yuba B=M.Yuba Our House C=FLOW-IN	+reg_middle_yuba_blw_our_house_dam	
Yuba River - inflow	ZR IN666 A=Yuba B=Oregon Log Cabin C=FLOW-IN	+reg_oregon_creek_blw_log_cabin_dam	
Englebright – reservoir outflow	ZR QA632 A=Yuba B=ENGLEBRIGHT DAM C=FLOW-OUT	+englebright_reservoir +ops_narrows_powerhouse	
Yuba River net accretions [below Deer Creek]	ZR IN630 A=Yuba B=DEER CREEK C=FLOW-IN	+yuba_river_blw_deer_creek	-englebright_reservoir -ops_narrows_powerhouse
Yuba River net accretions below Dry Creek	ZR IN628 A=Yuba B=DRY CREEK C=FLOW-IN	+yuba_river_blw_french_dry_creek	-yuba_river_blw_deer_creek

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Yuba River net accretions below Middle Yuba	ZR IN650 A=Yuba B=Blw_Middle_Yuba C=FLOW-IN	+yuba_river_blw_middle_yuba_inflow	-reg_north_yuba_blw_new_bullards_bar_dam -reg_middle_yuba_blw_our_house_dam -reg_oregon_creek_blw_log_cabin_dam
	ZR IN642 A=Yuba B=abv_Colgate C=FLOW-IN	+yuba_river_abv_south_yuba	-yuba_river_blw_middle_yuba_inflow -ops_colgate_powerhouse
South Yuba net accretions	ZR IN640 A=Yuba B=South_Yuba C=FLOW-IN	+englebright_reservoir +ops_narrows_powerhouse	-yuba_river_abv_south_yuba
Daguerre – reservoir diversion	ZR QD624 A=Yuba B=Daguerre_3 C=FLOW-DIV	+daguerre_net_depl	
Daguerre – reservoir diversion	ZR QD624 A=Yuba B=Daguerre_1 C=FLOW-DIV	+yuba_river_blw_french_dry_creek	-swrcb_yuba_river
Yuba River diversion above Feather River	ZR QD620 A=Yuba B=Yuba_abv_Feather C=FLOW-DIV	+yuba_river_blw_french_dry_creek	-daguerre_net_depl -swrcb_yuba_river

DSS = U.S. Army Corps of Engineers' Hydrologic Engineering Center Data Storage System

Smaller reservoirs have constant specified starting storage values that are not listed in this table.

">0" restricts input to positive values.

[a] Record types: "ZR" followed by the control point number a record ID recognized by HEC5Q; "SS" Reservoir starting storage in ACFT; "QA" flow ;"IN" inflow; "QD" diversion: "EV" evaporation in cubic feet per second.

[b] The Englebright Reservoir storage is set to a constant 34,000 acre-feet in the HEC5Q model; SacWAM scenario data is not "read-in" to HEC5Q.

The complete path name would be "A=Feather B=Oroville C=Stor-Res-fit D=1DAY F=user specified (e.g., "F=Existing"). "Stor-Res-fit" specifies a cubic spline curve fit of the end-of-month storage volume – allows for storage set automatically on any initial starting date. The spline curve fit is not used in these scenarios, and instead HEC5Q uses a constant daily flow for the month.

[c] Evaporation is included because the diversion is returned.

Path name containing inflows based on historical data for scaling the monthly inflows to daily inflows (required following "C=flow-in-pat").

H1b.4 Model Performance

This section presents the performance of the versions of the models used for evaluation of the proposed Plan amendments. It first describes the model adjustments and inputs leading up to the current performance evaluation and then presents the results of the evaluation.

H1b.4.1 Model Adjustments Prior to Performance Evaluation

The performance of the HEC-5Q models of the Sacramento, Feather, and American Rivers has been evaluated periodically during the course of model development by comparing simulated temperatures to measured temperatures. To improve model performance, various adjustments have been made to the model. Some typical adjustments include scaling of meteorological data to individual reservoirs and stream reaches, adjustments to vertical dispersion coefficients in reservoirs, and adjustments to seasonal variations in inflow temperatures and their relationships to meteorology.

In preparation for water temperature modeling for the revised proposed Plan amendments, further adjustments were made to the HEC-5Q model of the Feather and American Rivers. These most recent adjustments include refinements to the Oroville power bypass algorithm and reservoir release temperature targets, which are discussed below in Section H1b.4.2, *Model Inputs for Performance Evaluation*. The Folsom Reservoir low level outlet (power bypass) was also re-engaged to improve functioning of the various gates. Current model input procedures and the function of the Trinity, Folsom, and Oroville Dam withdrawal algorithms are summarized in Smith (2022). The withdrawal algorithm for Shasta Dam is described in RMA (2003).

H1b.4.2 Model Inputs for Performance Evaluation

H1b.4.2.1 Hydrology for Performance Evaluation

The channel geometry/flow relationships have not changed since the original model development. The channel data were based on hydrodynamic model output (RMA2 and HEC-RAS) and field observations. The RMA2 hydrodynamic model was the basis for the Sacramento River geometry. The Clear Creek and Trinity River geometry was based on field investigation and aerial photograph reconnaissance, and the Feather and American River geometry was developed from detailed HEC-RAS cross sections.

The reservoir geometry has remained the same other than minor changes to the reservoir outlet specifications. In general, inflows, accretions, and depletions are based on direct measurement, mainstem river gage differences, and reservoir inflows by mass balance.

H1b.4.2.2 Meteorology for Performance Evaluation

The meteorology was extended to September 2021 to model the extended SacWAM timeseries. Hourly air temperature, relative humidity, solar radiation, and wind speed affect water temperature (Edinger et al. 1974). Data for these meteorological parameters are processed to develop the HEC-5Q model inputs. Meteorological inputs starting in 1985 were based on hourly data from the Gerber CIMIS station to represent the northern Sacramento Valley and the Nicolaus CIMIS station to represent the Feather and American and Yuba River systems. However, CIMIS stations have changed over time and, as a result, stations used to provide model inputs vary with the year being simulated. The modeling uses data from two CIMIS station locations at Gerber (due to station relocation),

Nicolaus, Shasta College (to provide a better representation of temperatures near Lake Shasta), and Verona and Fair Oaks (to replace the Nicolaus station when it was discontinued). Furthermore, if CIMIS data are missing for one station, data from nearby stations are used, including values from the Durham and Colusa stations (RMA and Watercourse Engineering 2013). To avoid effects on model performance for years simulated with older CIMIS station data, the values used for the meteorological record for each of the models are established using a weighted average approach for all the stations that heavily weights data from the original stations, resulting in little change in the older values. The CIMIS data are used to calculate 6-hour water temperature equilibrium temperatures and exchange rates for input to the HEC-5Q models.

H1b.4.2.3 Boundary Temperatures for Performance Evaluation

Inflow temperatures for New Bullards Bar, Oroville, and Folsom Reservoirs were estimated with a combination of a yearly repeating seasonal pattern and equilibrium temperatures based on meteorological data. When inflow is high, inflow temperatures tend to follow a seasonal pattern that often reflects snowmelt conditions. When inflow is low, temperature is more affected by heat exchange based on the difference between the seasonal temperature and equilibrium temperature, where the equilibrium temperature is calculated with a site-specific adjustment to the equilibrium value calculated with the CIMIS meteorological data for the watershed. To mimic this mixture of seasonal and meteorological effects, estimated inflow temperatures were influenced more by the seasonal pattern at high flows and more influenced by meteorological-driven equilibrium temperatures at lower flows, with intermediate values at intermediate flows. Because more data are available for inflow temperatures for Lake Shasta, its inflow temperatures were calculated as a flow-weighted average of observed temperatures and flows. Temperature of accretions (including small streams) are set to match stream temperatures, so have no effect on simulated temperatures.

The Feather and American River model domain includes the Sacramento River between the Feather River and Freeport (downstream of the American River). To simulate temperatures for this section of the Sacramento River, the Feather and American River model requires input for Sacramento River temperatures upstream of the Feather River near Knights Landing. At this location far downstream of Lake Shasta, water temperatures approach equilibrium values and are therefore largely controlled by meteorological conditions. For the model performance evaluation, these inflow temperatures were set equal to the Knights Landing temperature results from the Sacramento River HEC-5Q model of baseline conditions, which has results extending through September 2015. Use of the modeled baseline temperatures for Knights Landing provides a more complete record than measured values. After September 2015, the Sacramento River inflow temperatures for the Feather and American River model were based on measured temperatures.

H1b.4.2.4 Reservoir Release Target Temperatures for Performance Evaluation

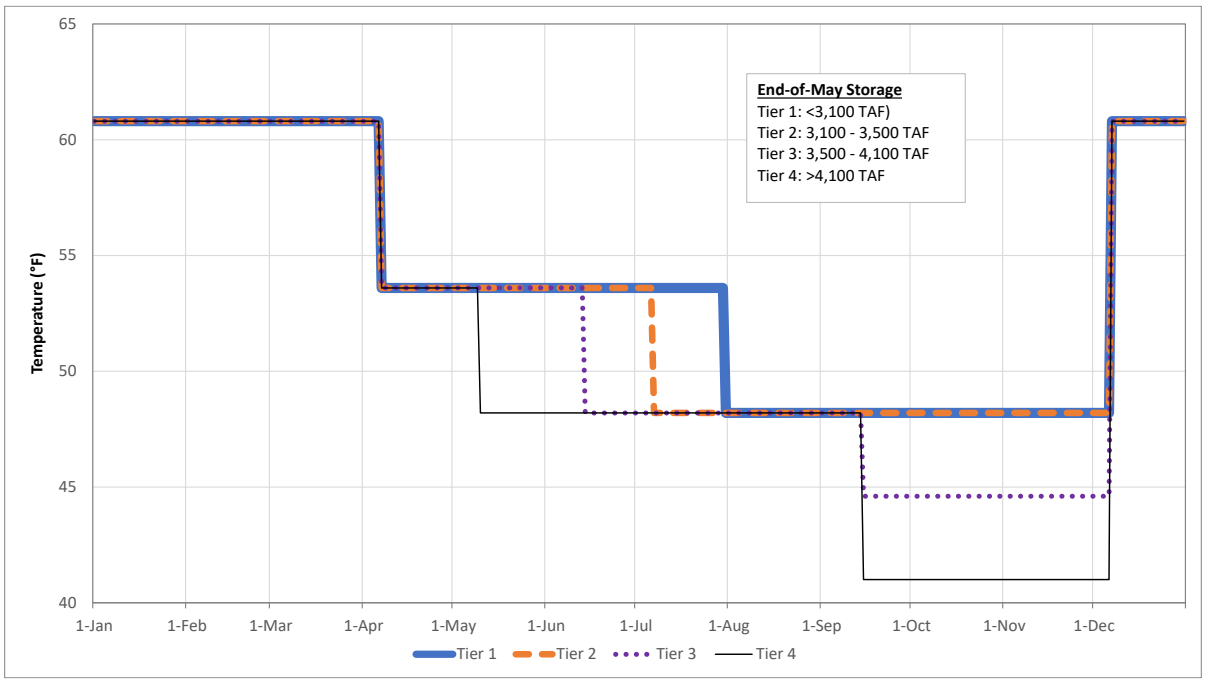
The water temperature models mimic selective withdrawal from the various elevations within the reservoirs that are available based on infrastructure. With the exception of New Bullards Bar and Englebright reservoirs, the models are able to blend water from available elevations to release water with temperatures close to specified target temperatures. As long as sufficiently cold (or warm) water is accessible in the reservoir, the target temperatures can be met approximately.

For the purpose of evaluating model performance and for modeling the revised proposed Plan amendment scenarios, temperature targets were based on algorithms. These algorithms represent an approximation of current operations. Model performance below the reservoirs is better if the target temperatures are based on measured temperatures, but model performance presented here uses the same temperature target approach used for the modeling of the flow scenarios. As such, the model accuracy represents the uncertainty in the flow scenario results that could result from

discrepancies between actual target temperatures and those derived from the algorithms. Actual target temperatures may differ from the target temperatures estimated by the algorithms described here for multiple reasons. For example, protocols have changed through time, real-time targets for Folsom and Shasta are developed through more detailed modeling informed by current conditions, and Oroville releases are managed through real-time adjustments in releases if downstream temperature objectives are not met. The algorithms described here are used for planning purposes in order to simulate temperatures through a full set of planning model results (Sacramento Water Allocation Model [SacWAM] results in this case).

Algorithm for Shasta Dam Target Temperatures

Shasta Dam target temperatures were set by using a four-tier algorithm based on end-of-May storage in Lake Shasta, as presented in Figure H1b-3. The lower tiers are associated with lower end-of-May storage and higher temperature targets for Lake Shasta starting as early as May 10 (Figure H1b-33). This methodology has been used by Reclamation for past planning studies using CalSim results.



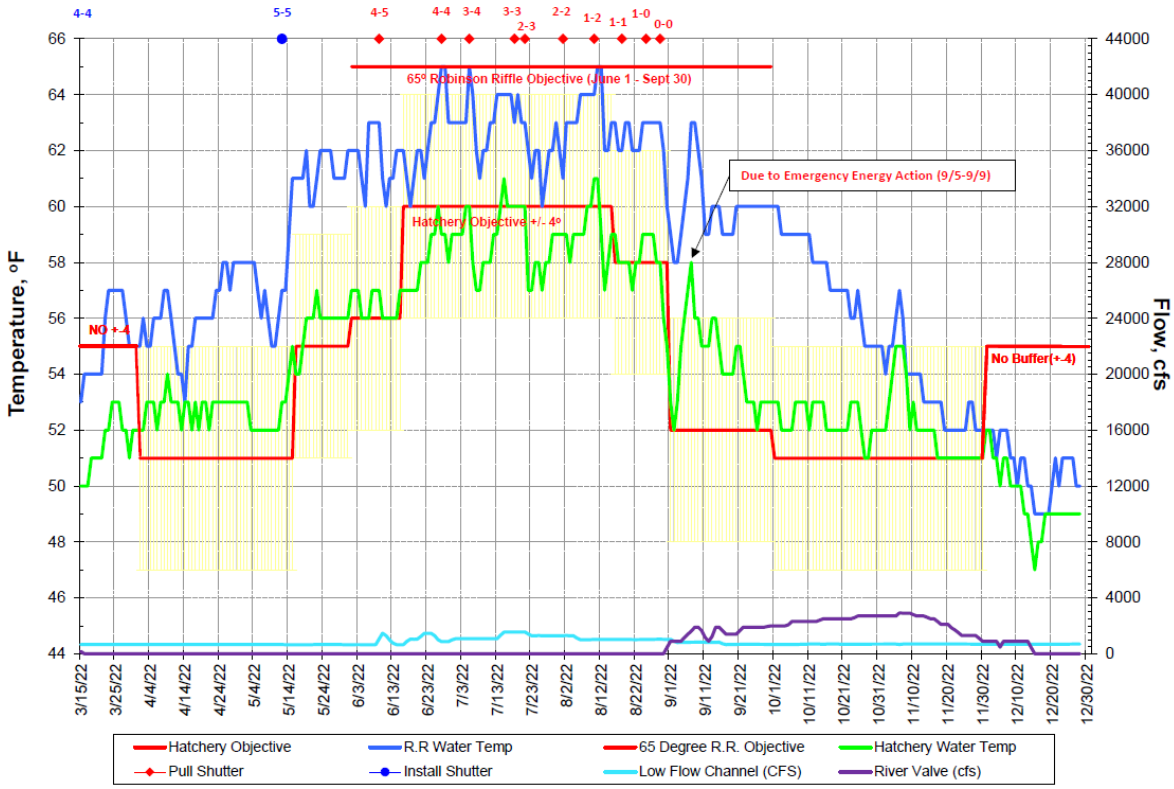
°F = degrees Fahrenheit
TAF = thousand acre-feet

Figure H1b-3. Lake Shasta Target Temperatures Based on End-of-May Storage

Algorithm for Oroville Dam Target Temperatures

Oroville releases are managed to meet the 1983 agreement between the California Department of Water Resources (DWR) and the California Department of Fish and Wildlife (CDFW) (then California Department of Fish and Game) (Reclamation 2019) for hatchery temperatures and the *Biological Opinion on the Long-Term Central Valley Project and State Water Project Operations Criteria and Plan* for Robinson Riffle temperatures in the low flow channel (NMFS 2004). Temperatures are attained through a mixture of reducing hydropower peaking operations, pulling shutters, increasing flow, and using the river outlet (which bypasses the hydropower facility). Adjustments are made based on the temperature response at the hatchery or Robinson Riffle. Figure H1b-44 (reproduced from DWR 2022) shows the temperature objectives used to guide releases from Oroville Reservoir, along with

actions and temperature results for 2022. The hatchery objective has a buffer of +/- 4 degrees Fahrenheit (°F) for much of the year, with temperatures generally maintained well below the upper limit of the buffer. During June 1–September 30, maintenance of hatchery temperatures at or below the objective line allows for warming between the hatchery and Robinson Riffle without exceeding the Robinson Riffle objective.



Source: DWR 2022.
°F = degrees Fahrenheit
cfs = cubic feet per second

Figure H1b-4. Feather River Hatchery and Robinson Riffle Temperature Operations in 2022

For the temperature simulations, the Oroville Dam temperature targets were established by adjusting the hatchery objectives to account for the warming (or cooling) that may occur between the dam and the hatchery. This approach lowers the target during summer to account for more rapid heating and increases the target during winter. The model optimizes release water temperature from the reservoir for the day, selecting the necessary volume of water to produce the target release temperature. Because of this, the temperatures in December frequently result in higher temperatures than observed if the target is relaxed to 55 degrees, as set in the Feather River Hatchery objective shown above. To improve model performance in December and early January, the November target of 51 degrees was extended to January 15.

The target temperature is computed as the temperature objective at the hatchery intake adjusted based on the daily averaged equilibrium temperature (calculated from meteorological input) as follows:

$$Targ = Th + (Tk - Te) * Tf$$

Where:

Targ = Oroville outflow target (°F)

Th = Hatchery Intake objective (°F)

Tk = constant (55 °F)

Te = center moving 7-d average Equilibrium Temperature (°F)

Tf = Scaling factor (0.13)

To reduce modeling jitter and to better reflect daily operations, the center moving, seven-day average of the resulting daily "Targ" is used as the target in the HEC-5Q model.

Algorithm for Folsom Dam Target Temperatures

Releases from Folsom Reservoir are actively managed based on current conditions and iterative model runs to determine how to most closely meet objectives of the modified flow management standard (PCWA 2017). This is a complex process and difficult to implement in simulations that span many years for planning purposes. As a result, planning analyses have used reservoir release temperature targets that are based on end-of-May storage plus June–September inflow (Table H1b-2). These targets were developed for planning based on CalSim results and are described in the Biological Assessment for the California WaterFix (^DWR 2016d, Appendix 5.C, Table 5.C-4). These same target temperatures were used for the flow scenarios but based on SacWAM results.

In modeling conducted for the 2023 Draft Staff Report and presented in Appendix A6, a setting in the HEC-5Q code disabled the lowest level (power bypass) outlet in such a way that the model was unable to use the highest elevation gate properly to blend warm water and conserve cold water. This affected gate operation year-round but primarily led to lower spring and summer time temperature discharges than would otherwise result. The HEC-5Q code was corrected to enable the lowest level outlet properly and operate how the model was intended. This leads to warmer spring and summer temperatures than modeled in the 2023 Draft Staff Report. The performance evaluation results were updated with this change. Results are also closer to the LTO EIS (Reclamation 2015) Section B No-Project Alternative than they were previously. In recent years, power bypass has occurred between the middle of October through the end of November. In order to trigger the historic quantity of power bypass volumes, the Table H1b-2 temperature targets would need to be reduced in October and November, which would likely lower temperatures below observed conditions in years when power bypasses are not used. No changes were made to the temperature targets in Table H1b-2 for use in the modeling of the revised proposed Plan amendments.

Table H1b-2. Temperature Target (°F) for Folsom Dam

Folsom End-of-May Storage plus June–September Inflow (TAF)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<=600	52	52	52	59	66.8	66.0	66.0	63.0	67.5	68.0	60.5	56
700	52	52	52	59	65.9	65.2	66.2	63.3	66.7	68.1	60.6	56
750	52	52	52	59	66.3	65.6	65.6	62.9	67.0	67.3	59.7	56
850	52	52	52	59	65.6	65.0	66.0	63.5	66.3	67.5	59.8	56
900	52	52	52	59	65.8	65.2	65.2	62.8	66.4	66.6	58.8	56
950	52	52	52	59	65.0	64.4	65.4	63.1	65.6	66.7	58.9	56
1,050	52	52	52	59	65.2	64.6	64.6	62.4	65.7	65.8	57.9	56
1,100	52	52	52	59	64.3	63.8	64.8	62.7	64.9	65.9	58.0	56
1,200	52	52	52	59	64.5	64.0	64.0	62.0	65.0	63.0	58.0	56
1,250	52	52	52	59	63.7	63.2	64.2	62.3	64.2	63.1	58.1	56
1,350	52	52	52	59	63.7	63.2	63.2	61.3	64.2	63.1	58.1	56
1,400	52	52	52	59	62.9	62.4	63.4	61.6	63.3	63.2	58.1	56
1,500	52	52	52	59	62.9	62.4	62.4	60.6	63.3	63.2	58.1	56
1,550	52	52	52	59	61.9	61.4	62.4	60.6	62.3	63.2	58.1	56
1,650	52	52	52	59	62.0	61.6	61.6	59.9	62.5	58.3	57.2	56
1,700	52	52	52	59	61.0	60.6	61.6	59.9	61.5	58.3	57.2	56
1,800	52	52	52	59	61.0	60.6	60.6	58.9	61.5	58.3	57.2	56
1,850	52	52	52	59	60.0	59.6	60.6	58.9	60.5	58.3	57.2	56
1,950	52	52	52	59	60.0	59.6	59.6	57.9	60.5	58.3	56.2	56
2,000	52	52	52	59	59.0	58.6	59.6	57.9	59.5	57.3	56.2	56
2,100	52	52	52	59	59.0	58.6	58.6	56.9	59.5	56.3	55.2	56
2,150	52	52	52	59	58.0	57.6	58.6	56.9	58.5	55.3	55.2	56

Source: ^DWR 2016d, Appendix 5c.
°F = degrees Fahrenheit
TAF = thousand acre-feet

Temperatures in Folsom Reservoir are also affected by the operations of the TCD for the Folsom water supply intake. Note that for Folsom Lake, the term "TCD" often refers to this structure, which has been a source of confusion in the past. Generally, relatively warm water of about 63–65 °F is withdrawn for water supply, which helps maintain cold water supply in the reservoir. The Folsom water supply intake is modeled with a temperature target of 64.4 °F (18 degrees Celsius), a minimum submergence constraint of 15 feet, and an operating elevation range of 320–460 feet.

H1b.4.2.5 Power Bypass at Oroville Dam for Performance Evaluation

Power bypass operations at Oroville Dam were included in the simulations. Releasing this water may sometimes provide colder water to the river but would reduce flow through the Oroville Dam hydropower facility. Power bypass flows usually represent only a portion of the total water released from the reservoir. Oroville power bypass is modeled to start contributing to outflow when Oroville storage is less than 1.19 million acre-feet (MAF). This threshold was chosen based on the changes in

measured release temperatures that occur when storage drops to about this level. Power bypass at Oroville Dam was not included in prior versions of the Feather River model. Inclusion of Oroville Bypass generally improves model performance when Oroville storage is low. The power bypass functionality was slightly altered from what is presented in Appendix A6, to improve its function. Previously, the power bypass was set to automatically come on every time the storage was below 1.19 MAF, regardless of whether or not it was needed. The updated HEC-5Q model now optimizes the use of cold water by only coming on if it is needed to meet the target temperature, and if it is below the storage threshold. While this is an improvement to the model, it leads to a minimal difference in results if the threshold is set low, for example at 1.19 MAF.

H1b.4.3 Results

Due to the refinements made for the revised proposed Plan amendments discussed above and the use of new HEC-5Q executable files, the performance evaluation was completed again. Results for the performance evaluation differ only slightly from Appendix A6 for the Feather and Sacramento Rivers, and due to the changes in the low level outlet control in Folsom, leads to a greater difference for the American River from the performance evaluation in Appendix A6. The results for the Yuba River performance evaluation have also been added. Tables H1b-3 through H1b-36 summarize model ability to match measured temperatures for the Sacramento, Feather, American, and Yuba Rivers. These tables represent comparisons between measured and modeled temperatures for each 6-hour time increment with corresponding measured data. All stations except the Sacramento River at Anderson have from 9 to 19 years of temperature measurements starting after 2001. For these temperatures to match precisely, the model must not only be accurately capturing the daily energy balance but also matching the timing of the temperature fluctuations.

Generally, average monthly model bias is less than 2 °F, with a few exceptions. Temperatures immediately below Oroville and Folsom Dam may not perform as well as temperatures farther downstream due to fluctuations in flow for hydropower peaking, making it difficult to accurately calculate flow-weighted average temperatures (Tables H1b-11 and H1b-17). The most persistent bias occurs in temperatures for the Thermalito Afterbay river outlet, where modeled monthly average temperatures are more than 3 °F warmer than the measured temperatures during December through April. However, there is good agreement between the modeled and observed temperatures at this location during the warmer months (Table H1b-15). Furthermore, Feather River temperatures downstream of the Thermalito outlet at Gridley match the measured data well, with all monthly bias values less than 1.5 °F (Table H1b-16). The previously discussed changes to the model have generally improved model bias. At Robinson Riffle and Gridley, bias has remained the same or marginally improved. Due to changes in the Folsom Reservoir power bypass functionality, bias on the American River has moved from under-estimating temperatures to over-estimating temperatures. This bias could potentially be further improved with adjustments to the Folsom Reservoir temperature targets in ^DWR 2016d, Appendix 5c, Table 5.C-4 and reproduced here in Table H1b-2.

Table H1b-3. Model Performance for Temperatures in the Sacramento River below Shasta Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1828	1681	1832	1764	1819	1770	1828	1788	1774	1701	1640	1662
Mean absolute error	1.5	1.3	1.4	2.2	2.2	1.3	1.8	1.8	2	2	1.6	2.5
Root mean square error	1.9	1.7	2	2.8	2.9	1.8	2.2	2.4	2.5	2.5	2.2	2.9
Average observed	49.4	48	48.1	49.1	49.8	50.1	50.5	50.7	51.8	54.3	55	52.5
Average modeled	50.2	48.4	49	51.1	50.7	50.2	49.8	49.5	51.5	54.9	56.2	54.7
Bias (modeled - observed)	0.8	0.4	0.9	2	0.9	0.1	-0.7	-1.2	-0.3	0.6	1.2	2.2

°F = degrees Fahrenheit

Table H1b-4. Model Performance for Temperatures in the Sacramento River below Keswick Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1849	1647	1810	1778	1839	1728	1760	1821	1776	1708	1645	1732
Mean absolute error	1.8	1.6	1.6	2.3	2.2	1.3	1.3	1.2	1.8	2.1	1.8	2.6
Root mean square error	2.2	2	2.1	2.8	2.8	1.7	1.6	1.6	2.1	2.5	2.2	3
Average observed	49.1	48	48.8	50.3	51.1	51.5	52.2	52.6	53.2	54.5	54.6	51.8
Average modeled	50.3	49.1	50.1	52.5	52.4	52.2	52.4	52.5	53.9	56.1	56.3	54.3
Bias (modeled - observed)	1.2	1.1	1.3	2.2	1.3	0.7	0.2	-0.1	0.7	1.6	1.7	2.5

°F = degrees Fahrenheit

Table H1b-5. Model Performance for Temperatures in the Sacramento River above Clear Creek (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1852	1680	1857	1795	1853	1767	1852	1858	1790	1733	1675	1725
Mean absolute error	1.7	1.4	1.6	2.2	2.2	1.4	1.3	1.3	1.8	2	1.9	2.5
Root mean square error	2.1	1.8	2.1	2.8	2.7	1.8	1.6	1.7	2.2	2.4	2.3	2.9
Average observed	49.2	48.7	49.7	51.5	52.3	52.7	53.4	53.8	54.3	55.1	54.4	51.5
Average modeled	50.3	49.5	50.8	53.3	53.3	53.2	53.4	53.5	54.8	56.4	56.1	53.9
Bias (modeled - observed)	1.1	0.8	1.1	1.8	1	0.5	0	-0.3	0.5	1.3	1.7	2.4

°F = degrees Fahrenheit

Table H1b-6. Model Performance for Temperatures in the Sacramento River near Anderson (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	179	212	236	223	232	240	248	248	240	123	120	124
Mean absolute error	1.5	1.9	2.2	2.1	2.2	2	1.6	2.4	2.8	2.4	1	1.2
Root mean square error	2	2.4	2.7	2.7	2.8	2.5	2	3	3.3	2.9	1.2	1.7
Average observed	50.6	51.4	52.7	55.1	56.3	56.8	56.1	56.1	55.6	57.4	55.9	52.5
Average modeled	49.3	49.9	50.8	54.1	54.6	55.5	55.9	53.8	52.8	55.3	56.3	53.2
Bias (modeled - observed)	-1.3	-1.5	-1.9	-1	-1.7	-1.3	-0.2	-2.3	-2.8	-2.1	0.4	0.7

°F = degrees Fahrenheit

Table H1b-7. Model Performance for Temperatures in the Sacramento River at Balls Ferry Bridge (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1575	1495	1759	1788	1855	1791	1851	1853	1789	1679	1543	1514
Mean absolute error	1.7	1.4	1.5	1.8	2.2	1.9	1.8	1.8	2	1.8	1.6	2
Root mean square error	2.1	1.7	1.8	2.3	2.7	2.3	2.2	2.2	2.5	2.3	2	2.5
Average observed	48.4	48.8	50.8	53.2	54.2	54.6	55	55.3	55.6	55.6	53.8	50.1
Average modeled	48.8	48.8	50.7	54	54.8	55.2	55.3	55.4	56.3	56.7	55	51.5
Bias (modeled - observed)	0.4	0	-0.1	0.8	0.6	0.6	0.3	0.1	0.7	1.1	1.2	1.4

°F = degrees Fahrenheit

Table H1b-8. Model Performance for Temperatures in the Sacramento River at Jellys Ferry (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1827	1678	1858	1771	1856	1788	1829	1826	1751	1732	1674	1723
Mean absolute error	1.6	1.3	1.3	1.7	2.1	2.1	2.1	2	1.9	1.6	1.3	2
Root mean square error	1.9	1.6	1.7	2.1	2.6	2.4	2.4	2.3	2.3	2	1.7	2.5
Average observed	48.2	49	51.5	54.3	55.7	56.1	56.3	56.5	56.6	56.2	53.9	49.9
Average modeled	48.5	48.9	51.2	54.6	55.6	56.1	56.4	56.4	57.1	57	54.9	50.7
Bias (modeled - observed)	0.3	-0.1	-0.3	0.3	-0.1	0	0.1	-0.1	0.5	0.8	1	0.8

°F = degrees Fahrenheit

Table H1b-9. Model Performance for Temperatures in the Sacramento River at Bend Bridge (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Number of Points	1826	1680	1795	1778	1801	1769	1848	1847	1783	1715	1642	1701
Mean absolute error	1.5	1.2	1.2	1.5	2	2.1	2.1	2	1.8	1.5	1.3	1.9
Root mean square error	1.9	1.5	1.5	1.9	2.4	2.4	2.4	2.3	2.2	1.9	1.6	2.4
Average observed	48.1	49.1	51.7	54.7	56.2	56.6	56.9	57	57.1	56.3	53.8	49.8
Average modeled	48.4	49	51.5	55	56.2	56.8	57	57.1	57.6	57.1	54.7	50.4
Bias (modeled - observed)	0.3	-0.1	-0.2	0.3	0	0.2	0.1	0.1	0.5	0.8	0.9	0.6

°F = degrees Fahrenheit

Table H1b-10. Model Performance for Temperatures in the Sacramento River at Site of Red Bluff Diversion Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1850	1695	1853	1777	1835	1796	1850	1855	1794	1727	1646	1734
Mean absolute error	1.5	1.2	1.1	1.3	1.5	1.3	1.4	1.3	1.3	1.3	1.2	1.9
Root mean square error	1.8	1.4	1.4	1.6	1.9	1.7	1.7	1.6	1.6	1.6	1.5	2.3
Average observed	48.1	49.4	52.3	55.7	57.5	58.4	58.7	58.8	58.5	57	53.9	49.5
Average modeled	48.4	49.2	51.9	55.5	56.9	57.7	58.1	58.1	58.3	57.4	54.7	50.2
Bias (modeled - observed)	0.3	-0.2	-0.4	-0.2	-0.6	-0.7	-0.6	-0.7	-0.2	0.4	0.8	0.7

°F = degrees Fahrenheit

Table H1b-11. Model Performance for Temperatures in the Feather River below Oroville Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1116	1016	1116	1080	1116	1080	1116	1116	1080	1116	1080	1116
Mean absolute error	2.6	2.7	4.4	2.1	2.3	1.9	2.3	2.7	2.9	2.6	1.7	2.7
Root mean square error	3.3	3.6	5.2	2.4	2.9	2.4	3	3.5	3.7	3.2	2.1	3.1
Average observed	46.7	45.9	46.5	48.9	51.7	55.3	56.1	56.4	52.3	51.9	52.3	49.8
Average modeled	49.3	48.5	50.8	50.3	51.3	55.4	57.5	57.1	51.5	52.4	52.8	52.4
Bias (modeled - observed)	2.6	2.6	4.3	1.4	-0.4	0.1	1.4	0.7	-0.8	0.5	0.5	2.6

°F = degrees Fahrenheit

Table H1b-12. Model Performance for Temperatures in the Feather River near the Diversion Pool Outlet to the Thermalito Power Canal (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1115	1016	1116	1080	1116	1080	1116	1116	1080	1116	1080	1050
Mean absolute error	2.6	2.6	4.6	2.9	2.4	1.6	1.5	1.8	2.8	3.4	2.2	2.2
Root mean square error	3	3.1	5.2	4.4	3.2	2	1.9	2.4	3.4	5.3	3.4	2.6
Average observed	47.4	47.4	49.6	52.3	53.7	57.2	58.1	58.5	54.5	54.8	54.1	50.7
Average modeled	49.7	49.6	52.6	52.8	52.9	56.6	58.6	58.3	53	53.4	53.2	52.4
Bias (modeled - observed)	2.3	2.2	3	0.5	-0.8	-0.6	0.5	-0.2	-1.5	-1.4	-0.9	1.7

°F = degrees Fahrenheit

Table H1b-13. Model Performance for Temperatures in the Feather River below the Fish Barrier Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	991	904	992	960	992	960	992	992	960	992	960	910
Mean absolute error	3.7	3.8	5	2.5	2.1	1.6	2.1	2	2.3	2.2	1.6	3.3
Root mean square error	4.3	4.3	5.5	3	2.6	2	2.6	2.5	2.9	2.8	2	3.7
Average observed	45.5	45.3	46.9	49.9	52.6	56.6	57.7	57.8	53.1	52.1	51.7	48.6
Average modeled	49.2	49	51.9	52.1	53	56.9	59	58.6	53.4	53.5	52.9	51.9
Bias (modeled - observed)	3.7	3.7	5	2.2	0.4	0.3	1.3	0.8	0.3	1.4	1.2	3.3

°F = degrees Fahrenheit

Table H1b-14. Model Performance for Temperatures in the Feather River at Robinson Riffle (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	2232	2139	2356	2280	2356	2280	2356	2356	2280	2356	2280	2352
Mean absolute error	1.7	2.1	2.6	2.9	3.7	4.1	4.4	4.2	4	3.3	2.1	1.5
Root mean square error	2.2	2.5	3.3	3.5	4.5	5	5.4	5.2	5	4.2	2.7	1.9
Average observed	48	48.4	50.4	53.5	56.3	60	61.8	61.1	56.7	54.5	52.6	49.9
Average modeled	48.5	48.9	52	53.6	55.5	59.6	61.8	61	56	54.2	52	50.2
Bias (modeled - observed)	0.5	0.5	1.6	0.1	-0.8	-0.4	0	-0.1	-0.7	-0.3	-0.6	0.3

°F = degrees Fahrenheit

Table H1b-15. Model Performance for Temperatures in the Thermalito Afterbay River Outlet (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1062	904	992	960	992	960	992	992	960	992	960	992
Mean absolute error	4.5	4.8	6.3	6	3	1.9	1.5	1.5	2.1	2.3	2.7	4.4
Root mean square error	4.8	5.1	6.7	7.2	4.2	2.7	1.9	2	2.8	3	3.2	4.6
Average observed	45.7	48.7	52.9	56.1	61.3	65.4	65.4	64.9	61.8	57.7	52.3	47.2
Average modeled	50.2	53.4	59.2	62	63.2	65.8	66.1	65.8	62.7	59.9	54.9	51.6
Bias (modeled - observed)	4.5	4.7	6.3	5.9	1.9	0.4	0.7	0.9	0.9	2.2	2.6	4.4

°F = degrees Fahrenheit

Table H1b-16. Model Performance for Temperatures in the Feather River at Gridley (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	992	900	1099	1185	1305	1220	1240	1240	1098	1116	1080	1112
Mean absolute error	1.7	1.9	2.5	2.6	2.7	2.8	2.2	2.3	2.2	2.1	1.3	1.6
Root mean square error	2.1	2.3	3.2	3.4	3.4	3.5	2.8	3	2.8	2.7	1.6	1.9
Average observed	49.1	50.4	53.1	56.5	61.1	65.4	66.8	65.3	61.4	58.3	53.7	50.2
Average modeled	49.4	50.5	54.9	58	61.8	66	66.9	65.5	61.6	59.2	54.1	51.3
Bias (modeled - observed)	0.3	0.1	1.8	1.5	0.7	0.6	0.1	0.2	0.2	0.9	0.4	1.1

°F = degrees Fahrenheit

Table H1b-17. Model Performance for Temperatures in the American River below Folsom Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1852	1673	1834	1782	1977	1957	1969	2045	1872	1970	1978	2066
Mean absolute error	1.7	1.8	1.9	2.6	3.7	2.6	3.1	2.1	2.5	3	2.4	2
Root mean square error	2.3	2.2	2.3	3.4	5.1	3.6	4	2.8	3.1	3.8	3.1	2.3
Average observed	47.8	47.7	49.3	51.9	54.2	57.1	60.1	61.5	62.4	62.4	57.3	52.2
Average modeled	48.9	49.2	50.9	54.2	57.5	59.3	62.8	62.1	64.5	63.3	58.4	53.8
Bias (modeled - observed)	1.1	1.5	1.6	2.3	3.3	2.2	2.7	0.6	2.1	0.9	1.1	1.6

°F = degrees Fahrenheit

Table H1b-18. Model Performance for Temperatures in the American River at Hazel Avenue (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	2232	2032	2232	2160	2232	2163	2356	2356	2280	2356	2280	2352
Mean absolute error	1.3	1.3	1.6	2.1	2.7	2.5	3.2	2.1	2.6	2.6	1.9	1.6
Root mean square error	1.8	1.7	1.9	2.7	3.7	3.6	4.8	3.7	4.3	3.9	2.8	2.1
Average observed	48.5	48.5	50.6	53.3	55.8	58.4	61.2	62.6	62.9	62.2	57.4	52.2
Average modeled	48.6	49.2	51.7	54.9	58.1	60.5	64	63.6	65.4	63.3	58.1	53.4
Bias (modeled - observed)	0.1	0.7	1.1	1.6	2.3	2.1	2.8	1	2.5	1.1	0.7	1.2

°F = degrees Fahrenheit

Table H1b-19. Model Performance for Temperatures in the American River at Fair Oaks (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	2232	2139	2356	2280	2356	2280	2356	2356	2280	2356	2280	2352
Mean absolute error	1.4	1.6	1.8	2.4	2.9	2.6	2.8	1.7	2.1	2	1.5	1.5
Root mean square error	2.1	2	2.3	3	4	3.5	3.5	2.2	2.5	2.4	1.9	1.9
Average observed	48.5	48.6	51	53.9	56.5	59.1	62.3	63.7	64.1	63.1	58.1	52.4
Average modeled	48.7	49.4	52.2	55.6	58.9	61.4	64.6	64.3	65.9	63.5	58.2	53.3
Bias (modeled - observed)	0.2	0.8	1.2	1.7	2.4	2.3	2.3	0.6	1.8	0.4	0.1	0.9

°F = degrees Fahrenheit

Table H1b-20. Model Performance for Temperatures in the American River at William Pond Park (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	2232	2139	2356	2280	2356	2280	2356	2356	2280	2356	2280	2352
Mean absolute error	1.6	1.7	2	2.5	3	2.9	3.1	2.7	2.5	2.3	1.7	1.6
Root mean square error	2.1	2.1	2.5	3.2	4	3.7	3.8	3.1	3	2.9	2.2	1.9
Average observed	48.6	49.1	51.9	55.2	58.3	61	64.1	65.6	65.6	63.8	58	52.2
Average modeled	49	50	53	56.6	60.1	62.6	65.8	65.6	66.8	63.9	58.3	53.3
Bias (modeled - observed)	0.4	0.9	1.1	1.4	1.8	1.6	1.7	0	1.2	0.1	0.3	1.1

°F = degrees Fahrenheit

Table H1b-21. Model Performance for Temperatures in the American River at Watt Avenue (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	2232	2139	2356	2280	2356	2280	2356	2356	2280	2356	2280	2352
Mean absolute error	1.5	1.7	2.1	2.7	3.2	3.2	3.5	2.6	2.6	2.2	1.7	1.7
Root mean square error	2.1	2.2	2.7	3.4	4.1	4.1	4.2	3.1	3.2	2.6	2.1	2.1
Average observed	48.7	49.5	52.5	56	59.3	61.9	65	66.4	66.1	63.8	57.6	51.8
Average modeled	49.3	50.7	54.3	58.2	61.9	64.5	67.7	67.6	68.4	64.6	58.5	53.2
Bias (modeled - observed)	0.6	1.2	1.8	2.2	2.6	2.6	2.7	1.2	2.3	0.8	0.9	1.4

°F = degrees Fahrenheit

Table H1b-22. Model Performance for Temperatures in the Sacramento River at Verona (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1364	1304	1481	1440	1472	1436	1488	1488	1427	1470	1387	1484
Mean absolute error	1.4	1.5	1.3	1.5	1.8	2	1.7	1.7	1.7	1.4	1.4	1.6
Root mean square error	1.8	1.8	1.6	1.9	2.2	2.5	2.1	2.1	2.2	1.7	2	2
Average observed	48.6	51.4	55.1	59.7	64.8	69.9	71.5	70.4	67.6	61.7	54.8	49.2
Average modeled	48.2	50.9	54.5	60	65	69.7	71.9	70.9	68.4	62.4	55.8	49.4
Bias (modeled - observed)	-0.4	-0.5	-0.6	0.3	0.2	-0.2	0.4	0.5	0.8	0.7	1	0.2

°F = degrees Fahrenheit

Table H1b-23. Model Performance for Temperatures in the Sacramento River at Freeport (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	1116	1122	1116	1093	1240	1200	1240	1240	1196	1116	1080	1116
Mean absolute error	1.5	1	0.8	1.4	1.4	1.7	1.7	1.6	1.5	1.3	1.7	1.2
Root mean square error	1.8	1.3	1	1.8	1.7	2.1	2.1	2	1.9	1.8	3	1.5
Average observed	48.6	50.8	55.6	59.6	65.6	69.3	71.4	71.3	68.8	63.3	57.2	49.6
Average modeled	47.9	50.4	55.5	60.4	66.2	70	72.6	72.3	69.8	63.4	56.5	50.4
Bias (modeled - observed)	-0.7	-0.4	-0.1	0.8	0.6	0.7	1.2	1	1	0.1	-0.7	0.8

°F = degrees Fahrenheit

Table H1b-24. Model Performance for Temperatures in the Middle Yuba Below Our House Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	496	452	496	457	372	360	372	372	360	405	480	496
Mean absolute error	1.9	1.9	1.9	2.7	3.7	4.5	5.2	3.3	2.1	2.2	1.8	2.5
Root mean square error	2.3	2.4	2.4	3.4	4.5	5.3	6.1	4	2.6	2.7	2.3	3
Average observed	39.7	40.8	43.3	46	49.4	57.3	68.6	69.6	65.2	54.4	45	38.9
Average modeled	39.5	41.6	44.1	48	51.6	57.2	65.4	67.4	65.1	55.7	46	39.2
Bias (modeled - observed)	-0.2	0.8	0.8	2	2.2	-0.1	-3.2	-2.2	-0.1	1.3	1	0.3

°F = degrees Fahrenheit T030

Table H1b-25. Model Performance for Temperatures in Oregon Creek below Log Cabin Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	372	336	417	480	401	360	372	381	480	496	371	372
Mean absolute error	1.9	1.8	1.7	2.7	3.8	4.6	4.6	3.2	2.4	1.8	1.6	2.1
Root mean square error	2.2	2.3	2.1	3.2	4.5	5.3	5.3	3.7	2.8	2.3	2	2.5
Average observed	40.7	41.1	44.2	47.4	50.3	57.7	67.8	67.6	62.8	54.3	46.4	41.2
Average modeled	39.8	41.7	44.6	48.4	52.6	58	64.8	65	62.1	53.8	46.4	39.9
Bias (modeled - observed)	-0.9	0.6	0.4	1	2.3	0.3	-3	-2.6	-0.7	-0.5	0	-1.3

°F = degrees Fahrenheit

Table H1b-26. Model Performance for Temperatures in the North Yuba below New Bullards Bar Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	496	452	496	397	372	360	364	372	360	469	480	496
Mean absolute error	2.4	2.2	2.5	2.8	3.3	3.3	4.3	4.3	2.9	1.5	1.2	2.1
Root mean square error	2.8	2.6	2.8	3.1	3.7	3.8	4.8	4.8	3.3	1.8	1.6	2.5
Average observed	46.1	46.1	46.3	46.8	47.9	48.9	50.5	50.6	49.1	47.4	46.7	46.3
Average modeled	43.8	43.9	43.8	44.5	45.5	45.7	46.2	46.3	46.2	45.9	45.8	44.9
Bias (modeled - observed)	-2.3	-2.2	-2.5	-2.3	-2.4	-3.2	-4.3	-4.3	-2.9	-1.5	-0.9	-1.4

°F = degrees Fahrenheit

Table H1b-27. Model Performance for Temperatures in the North Yuba above Colgate Power Discharge (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	248	228	265	476	401	360	372	425	406	372	274	248
Mean absolute error	3.1	3.8	2.6	3.3	4.4	3.6	3.4	3.7	4	5.1	4.4	6.2
Root mean square error	3.7	4.3	3.3	4.1	6.2	4.3	4.5	5.7	4.7	5.9	4.9	6.6
Average observed	41.3	42.7	47.1	52.7	57.5	64.4	73.6	71.9	68.2	57.4	47.4	41.8
Average modeled	42	46.5	47.4	54.3	55.7	64.6	73.7	74.3	72.2	62.5	51.7	41.9
Bias (modeled - observed)	0.7	3.8	0.3	1.6	-1.8	0.2	0.1	2.4	4	5.1	4.3	0.1

°F = degrees Fahrenheit

Table H1b-28. Model Performance for Temperatures in the North Yuba below Colgate power Discharge near Dobbins Creek (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	124	116	141	453	401	360	372	372	360	372	193	124
Mean absolute error	1.9	0.5	1.5	1.2	1.2	0.7	1.5	2.5	3.2	3.3	2.8	3.2
Root mean square error	2.3	0.7	1.9	1.5	1.4	1.1	1.8	2.7	3.9	3.6	3.1	3.5
Average observed	46.8	46.4	46.8	46.7	47.4	47.5	47.2	48	51.6	50.3	50.2	46.9
Average modeled	48.4	46.7	45.7	45.8	46.8	47.7	48.7	50.3	52.5	53.1	52.2	50.1
Bias (modeled - observed)	1.6	0.3	-1.1	-0.9	-0.6	0.2	1.5	2.3	0.9	2.8	2	3.2

°F = degrees Fahrenheit

Table H1b-29. Model Performance for Temperatures in the Yuba River Below Englebright Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	370	340	370	360	481	443	370	285	236	248	239	302
Mean absolute error	2.6	2.6	3.3	2.8	3	1.8	1.6	1.6	4.9	1.7	1.8	2.3
Root mean square error	3.1	2.9	3.4	3	3.2	2	1.8	1.9	5.7	1.8	1.9	3.3
Average observed	47	47.2	48.1	49.8	52.2	52.8	53.2	52.2	60	54.4	51.6	48.4
Average modeled	45.1	44.7	44.8	47.1	49.3	51.6	53.3	53.6	56.2	56	53.4	48.1
Bias (modeled - observed)	-1.9	-2.5	-3.3	-2.7	-2.9	-1.2	0.1	1.4	-3.8	1.6	1.8	-0.3

°F = degrees Fahrenheit

Table H1b-30. Model Performance for Temperatures in the Yuba River Below Deer Creek (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	496	452	496	480	453	360	372	372	360	372	453	496
Mean absolute error	1.9	1.6	2	1.9	2.2	1.2	1.7	2.7	2.4	2.1	2.1	2.4
Root mean square error	2.4	2	2.3	2.3	2.6	1.5	2	3.2	2.7	2.3	2.2	2.9
Average observed	46.5	47	48.3	50.4	52.1	53.1	53.5	52.6	54.7	54.7	51.3	48
Average modeled	45.6	45.5	46.4	48.6	49.9	52.6	54.7	55.3	57	56.8	53.3	47.8
Bias (modeled - observed)	-0.9	-1.5	-1.9	-1.8	-2.2	-0.5	1.2	2.7	2.3	2.1	2	-0.2

°F = degrees Fahrenheit

Table H1b-31. Model Performance for Temperatures in the Yuba River Between Deer and Dry Creek (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	615	568	517	480	496	480	496	496	480	496	480	496
Mean absolute error	1.9	1.7	2.2	2.2	2	1.7	2.4	3.3	3.4	2.8	2.3	2.4
Root mean square error	2.4	2	2.7	2.8	2.6	2.2	2.8	3.9	4.2	3.3	2.7	3
Average observed	46.4	46.9	48.6	51.1	52.8	54	54.2	53.7	55.4	54.8	51.5	48
Average modeled	45.7	46	47	49.5	51	53.8	55.9	56.7	58.5	57.5	53.8	47.9
Bias (modeled - observed)	-0.7	-0.9	-1.6	-1.6	-1.8	-0.2	1.7	3	3.1	2.7	2.3	-0.1

°F = degrees Fahrenheit

Table H1b-32. Model Performance for Temperatures in the Yuba River Above Dry Creek (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	491	452	496	480	496	480	445	372	360	372	360	372
Mean absolute error	2.4	2.1	2.7	2.3	2.4	1.9	2.4	3.2	3.8	3	2.3	2.4
Root mean square error	2.7	2.5	3.1	3	2.9	2.3	2.8	3.9	4.5	3.7	2.8	3.1
Average observed	47	47.4	49.3	51.7	53.3	54.6	55.1	54.7	55.9	54.7	51.7	48.3
Average modeled	45.2	45.8	47.3	49.9	51.3	54.2	56.3	57.2	58.6	57.5	53.8	47.4
Bias (modeled - observed)	-1.8	-1.6	-2	-1.8	-2	-0.4	1.2	2.5	2.7	2.8	2.1	-0.9

°F = degrees Fahrenheit

Table H1b-33. Model Performance for Temperatures in the Yuba River Above Daguerre Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	496	452	415	429	425	360	372	372	360	372	453	496
Mean absolute error	2.5	2.3	2.5	2.8	2.7	2.7	3.7	4.4	4.6	3.1	2.3	2.5
Root mean square error	3	2.7	3	3.3	3.3	3.1	4.3	5.3	5.6	3.8	2.9	3.3
Average observed	47.1	48	49.4	51.7	53.5	55.1	56.1	55.1	58	56.6	52.3	48.3
Average modeled	46.2	47	48.1	50.9	52	55.2	58	58.6	61	58.7	54	48
Bias (modeled - observed)	-0.9	-1	-1.3	-0.8	-1.5	0.1	1.9	3.5	3	2.1	1.7	-0.3

°F = degrees Fahrenheit

Table H1b-34. Model Performance for Temperatures in the Yuba River Below Daguerre Dam (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	248	245	372	360	374	360	372	372	360	372	352	303
Mean absolute error	1.9	2.1	2.9	2.9	2.8	2.9	4	4.5	4.8	3.4	2.6	2.2
Root mean square error	2.4	2.6	3.4	3.5	3.4	3.4	4.8	5.5	5.8	4.1	3.2	2.8
Average observed	48.4	48.8	50.5	52.5	53.7	55.1	56	55.4	58.3	56.7	52.6	48.6
Average modeled	47	47.6	49.3	51.6	52.6	55.4	58.2	58.8	61.3	58.9	54.2	48.7
Bias (modeled - observed)	-1.4	-1.2	-1.2	-0.9	-1.1	0.3	2.2	3.4	3	2.2	1.6	0.1

°F = degrees Fahrenheit

Table H1b-35. Model Performance for Temperatures in the Yuba River Below Marysville Gage (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	496	452	496	480	397	360	372	388	480	496	480	496
Mean absolute error	2.8	2.7	2.9	3.2	3.1	3.6	4.9	5	5.3	3.7	2.6	2.6
Root mean square error	3.2	3.2	3.6	3.8	3.6	4.1	5.6	5.9	5.5	3.9	3	3.2
Average observed	48.7	49.5	51.2	53.1	54.6	56.9	58.4	58.3	63.2	60	54.6	49.7
Average modeled	46.6	48	49.7	52.2	53.6	57.3	60.5	61	63.4	60	54.8	48.2
Bias (modeled - observed)	-2.1	-1.5	-1.5	-0.9	-1	0.4	2.1	2.7	0.2	0	0.2	-1.5

°F = degrees Fahrenheit

Table H1b-36. Model Performance for Temperatures in the Yuba River Above Feather River (°F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of points	496	452	496	480	405	360	372	417	480	496	480	496
Mean absolute error	2.8	2.4	2.7	3.3	3.6	3.8	4.8	4.8	3.8	2.8	2.2	2.9
Root mean square error	3.3	3	3.4	3.9	4	4.4	5.6	6	4.8	3.5	2.7	3.5
Average observed	48.7	49.5	51.4	53.5	55.1	57.2	59.1	59.1	63.3	59.9	55.1	49.9
Average modeled	46.8	48.3	50.1	52.7	54.1	58	61.4	62	64.5	60.6	55.1	48.2
Bias (modeled - observed)	-1.9	-1.2	-1.3	-0.8	-1	0.8	2.3	2.9	1.2	0.7	0	-1.7

°F = degrees Fahrenheit

H1b.5 Temperature Modeling for the Baseline and Flow Scenarios

H1b.5.1 Model Inputs for Baseline and Flow Scenarios

H1b.5.1.1 Hydrology for Baseline and Flow Scenarios

Channel geometry/flow relationships and reservoir geometry were the same in the flow scenarios as described above for the performance evaluation.

SacWAM results were used to provide hydrologic inputs for HEC-5Q model domain (Table H1b-1 and Attachment H1b1). These inputs include inflows to the major reservoirs, reservoir releases, creek flows, net effect of smaller accretions/depletions, and diversions. In order to verify that SacWAM results were properly incorporated into the HEC-5Q simulations, flows at downstream river locations calculated within the HEC-5Q model were compared to the flows simulated for those same locations by SacWAM.

Monthly SacWAM river hydrology results were converted to equal daily flows by setting daily values equal to the monthly values. Use of constant monthly flows has little effect on the simulated temperature effects because of the following.

- Flow is most variable during winter and early spring, when water temperatures tend to be cool regardless of flow.
- Variable local rainfall-runoff flows are unregulated and would not be affected by the proposed Plan amendments.
- Flows downstream of Shasta, Oroville, and Folsom re-regulating reservoirs during warmer times of the year tend to be fairly uniform.
- Use of 6-hour equilibrium temperatures provides daily variability in the simulated temperatures.

H1b.5.1.2 Meteorology for Baseline and Flow Scenarios

For simulation period years with measured CIMIS data (starting in 1985), the meteorology data used in the models are the same as described above for the performance evaluation.

For earlier years as required for longer-term SacWAM planning simulations, measured meteorological conditions were extended back in time. This was done by selecting days of CIMIS

data to represent past days by matching CIMIS minimum and maximum daily air temperatures and time of year to daily minimum and maximum air temperatures at long-term U.S. Weather Service stations at Orland and Davis. In this manner, CIMIS data were used to calculate 6-hour water temperature equilibrium temperatures and exchange rates for the full SacWAM simulation period.

H1b.5.1.3 Boundary Temperatures for Baseline and Flow Scenarios

Boundary-condition temperatures for the flow scenarios were the same as the boundary temperatures for the performance evaluation with two exceptions.

- For Lake Shasta inflow temperatures, instead of basing the inflow values directly on measured inflow water temperatures as was done for the performance evaluation, the 16 years of flow-weighted inflow temperatures were averaged to define the seasonal variation for the entire 1922–2015 simulation period. The Lake Shasta inflow temperatures for the flow scenarios were then estimated as falling between the seasonal pattern and the meteorological-driven equilibrium temperatures, with equilibrium temperatures having more effect at lower flows. This approach is similar to the approach for the Feather and American River inflow temperatures described above in Section H1b.4.2.3, Boundary Temperatures for Performance Evaluation. This approach produces inflow temperatures that closely follow the inflow temperatures calculated from the 16 years of measured inflow temperatures and flows.
- The Feather and American River model domain includes the Sacramento River between the Feather River and Freeport (downstream of the American River) and inflow from the Yuba River. For baseline and the flow scenarios, these inflow temperatures were set equal to the Knights Landing and Yuba River temperatures from the Sacramento River and Yuba HEC-5Q models of baseline conditions. Temperatures at these locations approach equilibrium values, so differences between scenarios at these locations are smaller than upstream differences. Simulated Sacramento River temperatures downstream of Knights Landing are not used in the assessment of fish habitat.

H1b.5.1.4 Reservoir Release Target Temperatures for Baseline and Flow Scenarios

The target-temperature algorithms are the same as described above for the performance evaluation.

H1b.5.1.5 Power Bypass at Oroville and Folsom Dams for Baseline and Flow Scenarios

The power bypass for Oroville and Folsom Dams are as described above for the performance evaluation; Oroville power bypass was modeled to start contributing to outflow when Oroville storage was less than 1.19 MAF.

H1b.5.2 HEC-5Q Results for Baseline and Flow Scenarios

Simulated temperatures are presented here in tables showing the 10th, 50th, and 90th percentiles of baseline temperatures and changes from baseline. The 50th and 90th percentile values presented in the tables represent the temperatures of greatest concern for cold water fish because they represent typical and warmer temperatures, respectively. Maximum values are not shown because they represent only a single month out of the entire simulation period. Temperature results are provided for locations important for understanding hydrologic effects on water temperature (e.g., temperature of reservoir releases) and for locations used in the fish assessment described in Section H1b.6, *Fish Assessment*). The shading provided in these tables is only for attracting attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Water temperature effects associated with the revised proposed Plan amendments could result from changes in hydrology. Changes in hydrology for the Sacramento, Feather, Yuba and American Rivers are summarized by changes in end-of-April storage, end-of-September storage (carryover storage), and river flow as presented in figures in Chapter 13.4, *Changes in Hydrology and Water Supply*, Appendix H1a2, *Sacramento Water Allocation Model Results for Revised Proposed Plan Amendments*, and Appendix H1a3, *Sacramento Water Allocation Model Results for Updated Unimpaired flow Scenarios*. The hydrologic effects represent reservoir operations that strive to maintain adequate cold water supply while simultaneously meeting the goals of the proposed Plan amendments. In general, April storage is lower under the proposed Plan amendments than under baseline conditions, but subsequent reductions in reservoir releases help carryover storage recover relative to baseline. Future operations could be optimized through further evaluation.

Carryover storage is important for maintaining supply of cool water deep in a reservoir, although spring storage may also be important because early release of water may reduce the initial volume of cold water captured in a reservoir. An additional way storage can affect reservoir release temperature is by influencing how TCDs can be used; higher reservoir storage may allow more points of withdrawal that can allow release of warmer water when cold water is not needed and colder water when it is needed. Lower reservoir storage is typically associated with a smaller cold water pool, but during late fall and winter, low reservoir volume could result in faster meteorological cooling of the reservoir.

River flow controls the longitudinal rate at which water temperature approaches equilibrium values as water moves downstream. Cool reservoir release temperatures are maintained for greater distances at higher flows. Changes in carryover storage and flow are most likely to affect water temperature if storage and flow are already relatively low (e.g., within the lowest 25 percent of values).

Reservoir release temperatures represent the effect of reservoir storage on temperature. As water moves downstream, river flow begins to have a greater effect on temperature, although eventually differences in temperature between the scenarios are muted as temperatures for all scenarios approach the same equilibrium values.

Temperature results for the revised proposed Plan amendments for the Sacramento, Yuba, and American Rivers are presented here in upstream to downstream order. Temperatures in the Feather River are complicated by the movement of water through both the Thermalito Afterbay and the Low Flow Channel. Feather River water is diverted to the Thermalito Afterbay at the Thermalito Diversion Dam, and minimum required flows are left in the river to move through the Low Flow Channel. Baseline and the flow scenarios have almost the same flows through the Low Flow Channel. Increased reservoir releases associated with the proposed Plan amendments are simulated as moving through the Thermalito Afterbay, eventually returning to the Feather River at the downstream end of the Low Flow Channel. Temperature results for the Low Flow Chanel (below the fish barrier dam and at Robinson Riffle) are presented before the temperatures of the Thermalito Afterbay discharge, which returns to the Feather River downstream of Robinson Riffle.

Table H1b-37. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River below Shasta Dam

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	48.1	49.3	51.7	47.3	45.5	46.4	49.4	49.1	48.3	48.3	48.3	47.5
50	50.7	52.4	53.7	49.9	47.9	48.3	50.9	49.6	48.3	48.3	48.4	49.4
90	56.2	56.4	55.1	51.6	49.6	50.1	52.8	53.6	53.2	52.0	50.4	53.1
35 Minus Baseline (°F)												
10	0.1	0.0	0.4	0.6	0.3	0.1	-0.1	0.1	0.0	0.0	0.0	0.1
50	0.0	-0.1	0.0	0.2	0.1	0.1	-0.2	0.1	0.0	0.0	0.0	-0.2
90	-1.8	-0.1	0.3	0.1	0.0	-0.2	-0.1	0.0	-0.3	0.8	-0.7	-1.6
45 Minus Baseline (°F)												
10	0.1	0.3	0.4	0.7	0.2	0.1	-0.2	0.1	0.0	0.0	0.0	0.0
50	-0.1	0.3	0.1	0.2	0.0	0.0	-0.2	0.2	0.0	0.0	0.0	-0.4
90	-2.3	0.0	0.4	0.1	0.0	-0.2	0.0	0.0	0.2	1.4	-0.7	-1.6
55 Minus Baseline (°F)												
10	0.2	0.3	0.7	0.6	0.1	0.1	-0.7	0.0	0.0	0.0	0.0	0.1
50	0.0	0.4	0.1	0.0	-0.2	-0.3	-0.5	0.5	0.9	0.0	0.0	-0.5
90	-2.0	-0.1	0.3	0.1	-0.3	-0.6	0.1	0.1	0.3	0.6	-0.7	-1.7
55 w/WSAs Minus Baseline (°F)												
10	0.2	0.4	0.5	0.9	0.4	0.3	-0.4	0.1	0.0	0.0	0.0	0.1
50	-0.1	0.1	0.1	0.1	0.0	0.0	-0.2	0.3	0.3	0.0	0.0	-0.4
90	-3.1	-1.1	0.2	0.1	-0.1	0.0	-0.1	0.1	-0.7	0.1	-0.7	-2.1
65 Minus Baseline (°F)												
10	0.2	0.3	0.4	0.3	0.1	-0.2	-1.3	-0.2	0.0	0.0	0.0	0.1
50	-0.2	0.2	0.0	-0.2	-0.3	-0.8	-0.7	1.7	1.9	0.0	0.0	-0.3
90	-2.1	-0.3	-0.2	-0.1	-0.3	-0.7	0.0	0.0	0.3	1.6	-0.8	-2.0
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.1	0.5	0.1	0.0	-0.1	0.1	0.0	0.0	0.0	0.0
50	0.0	0.2	0.0	0.1	0.0	-0.1	-0.2	0.3	0.0	0.0	0.0	-0.2
90	0.5	0.3	-0.1	0.1	0.0	-0.2	-0.3	0.0	0.1	0.8	-0.1	-0.3

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-38. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River below Keswick

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	49.9	49.7	51.1	47.6	45.8	47.2	50.1	50.5	50.0	50.3	50.7	50.3
50	52.1	52.4	53.0	49.5	48.1	49.0	52.2	51.6	50.5	51.0	51.9	52.4
90	56.8	56.5	54.5	51.4	49.7	50.8	54.2	54.9	55.1	54.3	54.0	56.2
35 Minus Baseline (°F)												
10	-0.1	0.0	0.5	0.3	0.2	0.0	-0.1	0.2	0.0	-0.1	-0.1	-0.2
50	0.1	0.0	0.1	0.3	0.1	0.0	-0.2	0.2	0.0	0.0	-0.2	-0.3
90	-1.7	0.1	0.2	0.1	0.1	0.0	-0.1	0.0	-0.1	0.6	-0.5	-2.0
45 Minus Baseline (°F)												
10	0.1	0.4	0.6	0.3	0.2	0.0	-0.2	0.1	-0.2	0.0	0.0	-0.1
50	-0.1	0.1	0.1	0.2	0.1	0.0	-0.2	0.3	0.3	0.1	-0.3	-0.3
90	-1.9	-0.3	0.2	0.1	0.0	-0.1	-0.1	0.0	0.0	1.0	-0.7	-2.2
55 Minus Baseline (°F)												
10	0.5	0.1	0.7	0.3	0.1	0.0	-0.5	0.1	-0.2	0.0	0.1	-0.1
50	0.1	0.5	0.0	0.3	-0.1	-0.4	-0.5	0.7	0.8	0.4	-0.2	-0.3
90	-1.8	-0.5	0.2	0.1	0.0	-0.4	-0.1	0.0	0.2	1.0	-0.5	-2.1
55 w/WSAs Minus Baseline (°F)												
10	0.4	0.3	0.6	0.5	0.3	0.0	-0.1	0.1	-0.1	-0.1	0.1	-0.1
50	0.1	0.2	0.0	0.2	0.0	0.0	-0.4	0.6	0.6	0.0	-0.1	-0.4
90	-2.4	-1.2	0.1	0.2	0.0	0.0	-0.2	0.0	-0.5	0.6	-0.5	-2.4
65 Minus Baseline (°F)												
10	0.6	0.3	0.4	0.1	-0.1	-0.4	-0.8	-0.1	0.1	0.0	0.3	0.3
50	0.2	0.3	0.0	0.0	-0.3	-0.7	-0.9	1.3	1.6	0.7	-0.1	0.1
90	-1.7	-0.5	-0.1	0.0	0.0	-0.4	-0.6	-0.1	0.2	1.6	-0.5	-1.8
Voluntary Agreement Minus Baseline (°F)												
10	0.1	0.0	0.0	0.1	0.0	-0.1	-0.2	0.1	0.0	0.0	0.0	-0.2
50	0.1	0.2	-0.1	0.0	-0.1	-0.1	-0.4	0.1	0.1	-0.1	-0.1	0.1
90	0.5	0.5	-0.1	0.1	0.0	-0.1	-0.4	-0.2	0.0	0.4	-0.3	-0.3

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-39. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River above Clear Creek

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	50.3	49.8	51.0	47.6	46.0	47.5	50.5	51.2	51.1	51.3	51.6	51.1
50	52.5	52.4	52.7	49.4	48.4	49.5	53.2	52.6	51.8	52.1	52.9	53.5
90	57.2	56.3	54.2	51.3	49.9	51.4	55.3	55.7	56.1	55.3	55.0	56.9
35 Minus Baseline (°F)												
10	-0.1	0.1	0.4	0.2	0.2	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0
50	0.1	0.0	0.1	0.3	0.1	0.1	-0.1	0.2	0.0	0.0	-0.2	-0.5
90	-1.7	0.2	0.2	0.1	0.1	0.0	-0.1	0.1	0.1	0.6	-0.4	-1.7
45 Minus Baseline (°F)												
10	0.2	0.3	0.6	0.3	0.2	0.0	-0.1	0.1	-0.2	-0.1	0.0	-0.1
50	-0.1	0.1	0.1	0.2	0.1	0.2	-0.3	0.4	0.3	0.3	-0.2	-0.4
90	-1.9	-0.2	0.2	0.1	0.0	0.0	-0.2	0.1	0.1	1.1	-0.6	-1.9
55 Minus Baseline (°F)												
10	0.4	0.2	0.6	0.3	0.2	0.1	-0.4	0.2	-0.3	0.0	0.2	-0.1
50	0.1	0.5	0.1	0.3	-0.2	-0.4	-0.6	0.8	0.8	0.6	-0.1	-0.4
90	-1.8	-0.3	0.1	0.1	0.1	-0.3	-0.5	0.0	0.2	1.1	-0.4	-1.8
55 w/WSAs Minus Baseline (°F)												
10	0.5	0.2	0.5	0.4	0.3	0.0	0.0	0.0	-0.3	0.0	0.3	0.1
50	0.1	0.2	0.1	0.3	0.0	0.1	-0.4	0.7	0.8	0.0	-0.1	-0.5
90	-2.4	-1.2	0.0	0.1	0.1	-0.1	-0.5	0.0	-0.3	0.7	-0.4	-2.0
65 Minus Baseline (°F)												
10	0.6	0.4	0.3	0.1	-0.1	-0.3	-0.6	0.2	0.0	0.2	0.4	0.5
50	0.2	0.3	0.1	0.1	-0.3	-0.8	-1.2	1.0	1.4	0.9	-0.1	0.0
90	-1.7	-0.4	-0.2	0.0	0.0	-0.5	-1.1	-0.2	0.3	2.0	-0.1	-1.6
Voluntary Agreement Minus Baseline (°F)												
10	0.2	0.0	0.0	0.1	-0.1	-0.1	-0.2	0.0	0.0	0.1	0.0	-0.1
50	0.0	0.2	0.0	0.1	-0.1	0.1	-0.3	0.2	0.1	0.0	0.0	0.0
90	0.6	0.4	-0.2	0.1	0.1	-0.1	-0.6	-0.2	0.0	0.4	-0.3	-0.1

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-40. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River at Balls Ferry

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	51.5	49.8	48.6	46.2	46.0	47.9	51.5	52.9	52.5	52.6	53.2	52.5
50	53.3	51.7	50.4	47.5	47.6	49.7	54.2	54.4	54.2	53.9	54.1	54.7
90	57.5	55.0	52.3	49.4	49.2	51.6	56.0	57.0	57.3	56.4	56.6	58.5
35 Minus Baseline (°F)												
10	-0.1	0.3	0.4	0.1	0.0	0.0	-0.1	0.3	-0.1	0.0	-0.1	0.1
50	-0.1	0.0	0.0	0.2	-0.1	0.0	-0.1	0.2	0.2	0.1	-0.1	-0.6
90	-1.7	0.3	0.0	0.2	0.0	-0.2	-0.2	-0.1	0.3	0.8	-0.6	-2.1
45 Minus Baseline (°F)												
10	0.0	0.3	0.2	0.1	0.0	0.0	-0.2	0.2	-0.2	0.1	-0.2	0.0
50	-0.2	0.0	0.0	0.1	-0.1	-0.2	-0.3	0.5	0.1	0.2	0.2	-0.4
90	-1.7	0.3	0.0	0.1	0.0	-0.3	-0.4	-0.1	0.5	1.4	-0.7	-2.4
55 Minus Baseline (°F)												
10	0.4	0.3	0.0	0.1	0.0	0.0	-0.3	0.1	0.1	0.4	0.0	0.2
50	0.1	0.5	0.0	0.2	-0.2	-0.4	-0.8	0.6	0.2	0.5	0.4	-0.4
90	-1.7	0.2	-0.1	0.0	0.0	-0.5	-0.6	0.0	0.5	1.7	-0.6	-2.3
55 w/WSAs Minus Baseline (°F)												
10	0.0	0.4	-0.1	0.2	0.1	0.0	-0.1	-0.1	0.1	0.0	0.0	0.2
50	-0.1	0.0	-0.1	0.0	-0.1	0.0	-0.6	0.6	0.2	0.1	0.3	-0.4
90	-2.1	-0.7	-0.4	-0.1	0.1	-0.2	-0.8	-0.1	-0.2	0.7	-0.6	-2.2
65 Minus Baseline (°F)												
10	0.3	0.1	0.1	-0.1	-0.1	-0.1	-0.4	-0.1	0.2	0.5	0.3	0.6
50	0.3	0.5	-0.1	0.1	-0.2	-0.8	-1.4	0.7	0.6	0.8	0.5	0.1
90	-1.5	-0.1	-0.3	0.1	0.0	-0.5	-1.3	-0.2	0.7	2.1	-0.4	-1.8
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.1	0.0	0.0	-0.1	-0.2	0.0	0.0	0.0	0.0	-0.1
50	0.0	0.1	0.0	0.1	0.0	0.0	-0.5	0.2	0.1	0.1	0.0	0.0
90	0.5	0.4	0.0	-0.2	0.1	-0.2	-0.7	-0.2	0.2	0.7	-0.3	-0.6

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-41. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River near Bend Bridge

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	52.3	49.9	47.9	46.1	46.3	48.5	52.6	54.4	54.2	54.2	54.8	53.8
50	53.9	51.5	49.7	47.2	47.7	50.3	55.2	56.0	56.2	55.7	55.9	56.2
90	57.8	54.3	51.6	49.0	49.4	52.2	56.8	58.2	58.8	58.1	58.2	59.8
35 Minus Baseline (°F)												
10	-0.1	0.3	0.7	0.0	0.0	-0.1	-0.1	0.1	-0.2	0.2	-0.1	0.1
50	0.0	0.1	0.0	0.2	-0.1	-0.1	-0.2	0.2	0.3	0.4	-0.2	-0.6
90	-1.5	0.2	0.0	0.1	-0.1	-0.2	0.0	-0.1	0.5	0.9	-0.6	-2.0
45 Minus Baseline (°F)												
10	0.0	0.2	0.5	0.1	0.0	-0.1	-0.2	0.1	-0.3	0.2	-0.3	-0.1
50	-0.1	0.0	0.0	0.1	-0.1	-0.1	-0.3	0.5	0.0	0.5	0.2	-0.4
90	-1.5	0.2	0.0	0.0	0.0	-0.3	-0.3	0.0	0.7	1.7	-0.6	-2.1
55 Minus Baseline (°F)												
10	0.2	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.1	-0.2	0.4	0.0	0.2
50	0.3	0.4	0.0	0.1	-0.2	-0.5	-0.8	0.5	-0.1	0.7	0.5	-0.4
90	-1.5	0.3	-0.2	0.0	-0.1	-0.5	-0.5	-0.1	0.6	1.8	-0.4	-2.1
55 w/WSAs Minus Baseline (°F)												
10	0.1	0.4	0.1	0.1	0.1	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.3
50	0.0	0.0	-0.1	0.1	-0.1	-0.1	-0.7	0.4	-0.1	0.4	0.4	-0.4
90	-2.0	-0.4	-0.4	0.0	0.1	-0.2	-0.7	-0.3	0.1	0.8	-0.3	-2.2
65 Minus Baseline (°F)												
10	0.4	0.1	0.2	-0.1	-0.1	-0.2	-0.7	-0.1	0.1	0.7	0.4	0.8
50	0.5	0.3	-0.1	0.1	-0.2	-0.8	-1.4	0.3	0.4	1.0	0.6	0.1
90	-1.4	-0.1	-0.6	0.1	-0.2	-0.6	-1.2	-0.3	0.8	2.3	-0.1	-1.6
Voluntary Agreement Minus Baseline (°F)												
10	0.0	-0.1	0.3	0.0	0.0	-0.1	-0.2	-0.3	-0.2	0.1	0.0	-0.1
50	0.1	0.2	0.1	0.0	-0.1	-0.1	-0.5	0.1	0.0	0.2	0.0	0.0
90	0.3	0.4	0.0	-0.2	-0.1	-0.1	-0.6	-0.1	0.1	0.6	-0.2	-0.4

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-42. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River near Red Bluff

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	52.7	50.0	47.7	46.1	46.4	48.8	52.9	55.0	55.3	55.2	55.9	54.8
50	54.2	51.5	49.5	47.1	47.8	50.7	55.7	56.9	57.3	57.0	57.0	57.1
90	58.1	54.2	51.3	48.9	49.6	52.6	57.4	59.0	59.9	59.5	59.3	60.6
35 Minus Baseline (°F)												
10	0.0	0.2	0.7	0.0	0.0	-0.1	-0.1	0.2	-0.1	0.1	-0.1	0.1
50	0.1	0.0	0.0	0.1	0.0	-0.1	-0.1	0.2	0.3	0.5	-0.1	-0.5
90	-1.5	0.1	0.1	0.0	-0.1	-0.2	0.1	-0.1	0.4	0.8	-0.5	-1.8
45 Minus Baseline (°F)												
10	0.1	0.2	0.5	0.0	0.0	0.0	-0.1	0.3	-0.3	0.3	-0.3	-0.1
50	0.0	0.0	0.0	0.1	-0.1	-0.2	-0.3	0.4	0.1	0.6	0.2	-0.3
90	-1.5	0.1	0.0	-0.1	-0.1	-0.2	-0.3	-0.1	0.6	1.7	-0.6	-1.9
55 Minus Baseline (°F)												
10	0.3	0.3	0.2	0.1	0.0	-0.1	-0.3	0.2	-0.2	0.3	0.0	0.2
50	0.3	0.3	0.1	0.1	-0.2	-0.5	-0.7	0.2	-0.2	0.8	0.5	-0.4
90	-1.3	0.2	-0.4	-0.1	-0.2	-0.4	-0.6	0.0	0.8	1.7	-0.4	-1.8
55 w/WSAs Minus Baseline (°F)												
10	0.1	0.3	0.1	0.0	0.0	-0.1	-0.2	-0.2	0.0	0.1	0.0	0.2
50	0.2	0.0	-0.1	0.0	-0.1	-0.3	-0.6	0.3	-0.1	0.5	0.4	-0.3
90	-1.9	-0.4	-0.6	-0.1	0.0	-0.2	-0.6	-0.1	0.0	0.7	-0.2	-2.0
65 Minus Baseline (°F)												
10	0.4	0.0	0.3	-0.1	-0.1	-0.1	-0.5	0.1	0.1	0.9	0.4	0.8
50	0.6	0.2	-0.3	0.2	-0.1	-0.8	-1.4	0.0	0.3	1.1	0.6	0.2
90	-1.3	-0.2	-0.8	0.1	-0.2	-0.6	-1.2	-0.3	0.8	2.2	0.2	-1.6
Voluntary Agreement Minus Baseline (°F)												
10	0.1	-0.1	0.3	0.0	0.0	-0.1	-0.2	-0.1	-0.2	0.2	0.1	-0.1
50	0.2	0.1	-0.1	0.0	0.0	-0.1	-0.6	0.1	0.0	0.2	0.0	0.0
90	0.2	0.3	0.0	-0.1	-0.1	-0.1	-0.5	-0.2	0.1	0.4	0.0	-0.4

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-43. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River at Hamilton City

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	54.7	50.3	46.9	45.6	46.7	49.5	54.2	58.3	60.1	60.4	60.8	58.6
50	56.5	51.9	48.4	46.6	48.1	52.1	58.1	60.9	62.5	62.7	62.6	61.5
90	59.2	54.6	50.2	48.4	50.3	54.3	61.0	63.2	65.0	65.3	64.8	65.0
35 Minus Baseline (°F)												
10	0.1	0.1	0.3	0.0	-0.1	-0.1	-0.2	-0.1	0.0	0.4	0.1	0.1
50	0.1	0.0	0.1	0.1	-0.1	-0.2	-0.2	0.2	0.3	0.5	-0.2	-0.5
90	-0.3	0.0	-0.1	0.1	0.0	0.0	-0.1	0.0	1.0	1.6	-0.3	-1.5
45 Minus Baseline (°F)												
10	0.3	0.3	0.1	0.1	-0.1	-0.1	-0.2	0.0	-0.2	0.3	-0.2	0.0
50	-0.1	0.2	0.1	0.1	-0.1	-0.3	-0.3	0.3	0.2	0.8	0.0	-0.4
90	-0.3	-0.1	-0.1	-0.1	-0.3	-0.2	-0.4	0.0	1.2	1.9	-0.1	-1.5
55 Minus Baseline (°F)												
10	0.3	0.3	0.0	0.0	-0.1	0.0	-0.3	0.4	-0.4	0.2	0.3	0.3
50	0.3	0.3	0.1	0.2	-0.2	-0.6	-0.8	-0.3	0.0	1.2	0.4	-0.4
90	-0.2	0.1	-0.3	0.0	-0.3	-0.3	-1.0	-0.2	1.2	2.1	0.1	-1.5
55 w/WSAs Minus Baseline (°F)												
10	0.2	0.3	0.0	0.0	-0.1	-0.1	-0.2	-0.3	-0.2	0.4	0.3	0.3
50	0.1	0.0	-0.1	0.1	-0.1	-0.4	-0.7	-0.2	0.0	0.5	0.3	-0.2
90	-0.7	-0.3	-0.6	-0.1	-0.1	-0.2	-0.8	-0.1	0.5	1.5	0.0	-1.8
65 Minus Baseline (°F)												
10	0.7	0.3	0.0	0.0	-0.2	-0.2	-0.5	0.4	-0.3	1.0	0.9	1.1
50	0.7	0.2	-0.1	0.2	-0.2	-0.9	-1.4	-0.4	0.4	1.6	0.5	0.3
90	0.0	-0.2	-0.7	0.3	-0.3	-0.6	-1.6	-0.8	1.0	2.7	0.9	-1.5
Voluntary Agreement Minus Baseline (°F)												
10	0.2	0.2	0.1	-0.1	-0.1	-0.1	-0.2	0.0	-0.1	0.5	0.0	0.0
50	0.3	0.1	0.0	0.1	-0.2	-0.2	-0.6	0.0	0.0	0.2	0.0	0.2
90	0.3	0.3	-0.1	0.0	0.0	-0.3	-0.4	-0.2	0.1	0.3	0.2	-0.4

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-44. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River at Butte City

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	56.0	50.6	46.8	45.4	46.6	49.5	54.4	59.5	62.8	63.3	63.3	60.5
50	57.9	52.2	48.1	46.5	48.0	52.4	58.7	63.0	65.0	66.1	65.7	63.9
90	60.4	54.9	50.0	48.4	50.5	55.0	62.3	65.2	67.8	68.7	67.9	67.0
35 Minus Baseline (°F)												
10	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.4	0.0	0.1
50	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	-0.3	-0.7
90	-0.3	-0.3	-0.1	0.0	0.0	0.0	-0.1	0.1	1.1	1.6	-0.5	-1.2
45 Minus Baseline (°F)												
10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.1	0.1	0.0
50	-0.3	0.1	0.0	0.0	0.0	-0.2	0.0	0.0	-0.1	0.6	-0.2	-0.7
90	-0.4	-0.4	-0.1	-0.3	-0.1	-0.3	-0.4	0.3	1.1	2.2	-0.2	-1.0
55 Minus Baseline (°F)												
10	0.1	0.3	0.0	0.0	0.0	0.0	-0.1	0.4	-0.7	0.0	0.4	0.3
50	0.0	0.1	0.1	0.1	0.0	-0.5	-0.4	-0.4	-0.2	0.9	0.1	-0.6
90	-0.3	-0.1	-0.6	-0.2	-0.2	-0.3	-1.1	-0.1	0.9	2.2	0.1	-1.2
55 w/WSAs Minus Baseline (°F)												
10	0.1	0.1	-0.2	0.0	0.0	0.0	0.0	0.0	-0.5	0.5	0.5	0.6
50	-0.2	-0.1	-0.1	0.1	0.0	-0.2	-0.3	-0.6	-0.2	0.5	0.2	-0.5
90	-0.5	-0.4	-0.7	-0.3	-0.1	-0.2	-0.9	-0.1	0.6	1.3	0.0	-1.4
65 Minus Baseline (°F)												
10	0.5	0.1	-0.1	0.0	-0.1	0.0	-0.3	0.4	-0.7	0.9	0.9	1.3
50	0.4	0.1	-0.2	0.1	-0.1	-0.8	-1.1	-0.8	-0.1	1.4	0.1	0.0
90	0.2	-0.4	-0.8	0.1	-0.2	-0.7	-1.8	-0.8	0.5	2.4	1.1	-1.0
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	-0.4	0.4	0.0	-0.1
50	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.3	-0.4	0.3	-0.1	-0.2	-0.1
90	0.0	0.1	-0.2	0.0	0.0	0.0	-0.3	-0.2	-0.1	0.2	0.1	-0.3

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-45. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River at Wilkins Slough

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	57.1	51.0	46.7	45.4	46.9	50.0	55.1	60.7	65.0	66.8	66.1	62.4
50	59.2	52.7	48.1	46.6	48.4	53.1	59.9	65.2	67.9	69.8	69.2	66.4
90	61.7	55.4	49.9	48.5	51.1	56.1	63.7	67.6	70.7	72.2	71.3	69.2
35 Minus Baseline (°F)												
10	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
50	-0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	-0.4	-0.7
90	-0.4	-0.2	0.0	0.1	0.0	0.0	-0.1	0.1	0.9	1.7	-0.7	-0.9
45 Minus Baseline (°F)												
10	0.3	0.1	-0.1	0.1	0.0	0.0	0.0	0.1	-0.1	-0.5	0.2	0.0
50	-0.3	0.0	0.1	0.0	0.0	-0.2	-0.1	-0.2	-0.1	0.3	-0.5	-0.9
90	-0.3	-0.4	0.0	-0.3	-0.2	-0.4	-0.4	0.5	0.9	2.1	-0.3	-0.7
55 Minus Baseline (°F)												
10	0.2	0.3	0.0	0.1	0.0	0.0	-0.1	0.6	-0.6	-0.3	0.8	0.4
50	0.0	0.1	0.0	0.1	0.0	-0.5	-0.5	-0.6	-0.4	0.5	-0.1	-0.7
90	-0.2	0.0	-0.4	-0.2	-0.2	-0.5	-1.0	0.1	0.8	2.2	0.3	-0.8
55 w/WSAs Minus Baseline (°F)												
10	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	0.4	0.7	0.8
50	-0.2	-0.1	-0.1	0.1	0.0	-0.3	-0.3	-1.0	-0.2	0.2	-0.1	-0.7
90	-0.3	-0.4	-0.7	-0.2	-0.1	-0.3	-0.9	0.0	0.7	1.7	0.0	-1.0
65 Minus Baseline (°F)												
10	0.7	0.2	-0.2	0.1	-0.1	0.0	-0.3	0.5	-0.9	0.3	0.9	1.3
50	0.3	0.0	-0.2	0.1	-0.1	-0.9	-1.1	-1.4	-0.4	1.1	-0.1	-0.4
90	0.2	-0.3	-0.6	-0.1	-0.3	-0.9	-1.7	-0.7	-0.1	2.3	1.2	-0.6
Voluntary Agreement Minus Baseline (°F)												
10	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.1	-0.1
50	0.0	-0.1	0.0	0.0	0.0	0.0	-0.3	-0.8	0.3	-0.1	-0.1	-0.1
90	0.1	0.0	-0.2	-0.1	0.0	0.0	-0.4	-0.3	0.0	0.1	0.0	-0.1

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-46. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Sacramento River at Knights Landing

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	57.7	51.2	46.6	45.3	47.2	50.4	55.6	61.6	66.7	68.8	67.9	63.7
50	60.1	53.0	48.2	46.6	48.6	53.4	60.7	66.6	69.6	72.2	71.4	67.7
90	62.7	55.6	49.8	48.5	51.5	56.6	64.5	69.1	72.6	74.7	73.4	70.6
35 Minus Baseline (°F)												
10	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
50	-0.3	-0.1	0.0	0.1	0.1	-0.1	-0.1	-0.1	0.2	0.2	-0.5	-0.6
90	-0.5	-0.2	-0.1	0.2	0.0	0.0	-0.1	0.2	0.4	1.6	-0.9	-0.7
45 Minus Baseline (°F)												
10	0.3	0.1	-0.1	0.1	0.0	0.0	0.0	0.1	-0.4	-0.3	0.4	0.0
50	-0.2	0.0	0.0	0.0	0.0	-0.2	-0.1	-0.3	-0.1	0.1	-0.5	-0.7
90	-0.5	-0.3	0.0	-0.2	-0.2	-0.5	-0.4	0.5	0.5	1.7	-0.5	-0.6
55 Minus Baseline (°F)												
10	0.2	0.3	0.1	0.1	0.0	0.0	-0.1	0.4	-0.8	0.0	1.2	0.4
50	-0.1	0.1	0.0	0.1	0.0	-0.5	-0.5	-0.7	-0.6	0.3	-0.2	-0.6
90	-0.4	-0.1	-0.3	-0.2	-0.2	-0.5	-0.9	0.0	0.3	1.9	0.3	-0.6
55 w/WSAs Minus Baseline (°F)												
10	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	-0.5	0.7	1.1	0.7
50	-0.3	0.0	-0.1	0.2	0.0	-0.3	-0.4	-1.0	0.1	0.1	-0.1	-0.6
90	-0.3	-0.4	-0.6	-0.3	-0.1	-0.4	-1.1	0.2	0.5	1.4	0.1	-0.7
65 Minus Baseline (°F)												
10	0.8	0.2	-0.1	0.1	-0.1	0.0	-0.3	0.3	-1.2	0.1	1.1	1.3
50	0.1	0.0	-0.2	0.1	-0.1	-0.8	-1.2	-1.6	-0.6	0.9	-0.2	-0.3
90	0.1	-0.2	-0.6	-0.2	-0.3	-0.9	-1.6	-0.7	-0.6	1.8	1.2	-0.5
Voluntary Agreement Minus Baseline (°F)												
10	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.6	0.1	-0.1
50	-0.1	-0.2	-0.1	0.0	0.0	0.0	-0.4	-0.7	0.3	-0.1	-0.1	0.0
90	0.1	0.0	-0.1	-0.2	0.0	0.1	-0.5	-0.4	0.0	0.1	-0.1	0.0

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-47. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Feather River below Oroville Dam

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	50.6	51.7	50.5	46.3	45.2	47.3	49.9	51.0	55.1	56.9	56.2	50.2
50	51.0	52.1	52.5	49.0	48.1	50.5	50.2	51.4	55.6	57.7	56.9	50.7
90	53.9	54.2	53.1	53.1	51.4	53.4	50.6	51.9	56.0	58.5	58.2	52.0
35 Minus Baseline (°F)												
10	0.1	0.1	0.0	-0.8	-0.1	-0.1	-0.1	0.1	0.1	0.0	0.1	0.0
50	0.1	0.2	0.1	-0.2	-0.5	-0.9	0.0	0.0	0.0	-0.2	0.1	0.1
90	3.5	1.2	-0.1	-0.2	-0.7	-0.8	0.0	0.0	0.0	0.0	0.0	2.1
45 Minus Baseline (°F)												
10	0.1	0.0	-0.7	-0.8	-0.3	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1
50	0.3	0.2	0.0	-0.2	-0.5	-1.1	0.0	0.0	0.1	-0.4	0.1	0.2
90	4.1	1.5	-0.1	-0.3	-0.6	-1.0	0.1	0.3	0.1	-0.1	0.3	5.1
55 Minus Baseline (°F)												
10	0.1	0.0	-0.2	-0.6	-0.2	-0.1	-0.1	0.1	0.1	0.0	0.0	-0.1
50	0.3	0.2	0.1	0.1	-0.3	-1.0	0.0	0.1	0.1	-0.3	0.1	0.2
90	4.6	1.8	0.0	-0.4	-0.6	-0.8	0.1	0.3	0.1	0.0	0.3	7.5
55 w/WSAs Minus Baseline (°F)												
10	0.2	0.0	0.5	-0.5	-0.1	0.0	0.0	0.1	0.1	0.0	0.2	0.0
50	0.1	0.1	0.1	0.0	-0.3	-0.8	-0.1	0.0	0.1	-0.3	0.2	0.1
90	3.3	0.8	0.1	-0.2	-0.5	-0.6	0.0	0.1	0.0	-0.1	-0.2	1.3
65 Minus Baseline (°F)												
10	0.0	0.1	0.5	-0.2	-0.6	-0.4	-0.1	0.1	0.0	-0.2	0.1	-0.1
50	0.1	0.1	0.2	0.7	-0.2	-1.2	0.0	0.1	0.0	-0.4	0.1	0.1
90	5.9	1.7	0.1	-0.4	-0.7	-1.0	-0.1	0.4	0.3	-0.3	0.1	7.2
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.4	0.3	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
50	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	0.0
90	0.6	0.3	0.0	0.0	-0.1	-0.2	0.0	0.0	-0.1	0.1	0.0	-0.4

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-48. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Feather River Low Flow Channel below the Fish Barrier Dam

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	51.4	51.9	50.4	46.8	45.4	47.6	50.7	52.5	56.7	58.3	57.9	51.9
50	51.7	52.2	52.0	49.0	49.0	51.5	53.0	53.0	57.1	59.1	59.1	52.4
90	54.8	54.2	52.8	52.4	51.8	54.0	53.9	53.6	57.7	59.6	60.0	55.1
35 Minus Baseline (°F)												
10	0.1	0.0	-0.1	-1.1	-0.1	0.0	0.0	0.1	0.0	0.2	0.4	0.1
50	0.2	0.2	0.1	-0.2	-0.8	-1.3	-1.4	-0.1	0.0	0.1	0.2	0.5
90	3.0	1.0	-0.1	-0.1	-0.9	-0.8	-1.5	-0.3	0.2	0.2	0.0	1.1
45 Minus Baseline (°F)												
10	0.1	-0.1	-0.6	-1.2	-0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.1
50	0.3	0.2	0.1	-0.2	-1.1	-1.5	-1.5	-0.2	0.1	0.1	0.1	1.0
90	3.8	1.2	0.0	-0.1	-0.7	-1.0	-1.7	-0.3	0.2	0.1	0.2	4.4
55 Minus Baseline (°F)												
10	0.2	-0.1	-0.1	-0.9	-0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.2
50	0.5	0.2	0.1	0.1	-1.0	-1.5	-1.7	-0.2	0.1	0.2	0.1	1.1
90	4.3	1.6	-0.1	-0.3	-0.7	-0.9	-1.9	-0.4	0.0	0.2	0.1	6.0
55 w/WSAs Minus Baseline (°F)												
10	0.1	0.0	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1
50	0.3	0.1	0.1	0.1	-0.7	-1.2	-1.6	-0.2	0.1	-0.1	0.0	1.0
90	3.0	0.7	0.0	-0.1	-0.5	-0.6	-1.5	-0.3	0.0	-0.1	-0.1	0.7
65 Minus Baseline (°F)												
10	0.2	0.0	0.3	-0.5	-0.4	-0.2	-0.2	-0.1	0.0	0.0	0.2	0.8
50	0.4	0.1	0.2	0.6	-0.8	-1.8	-1.8	-0.2	0.1	0.1	0.2	1.9
90	5.5	1.5	0.0	-0.3	-0.9	-1.1	-2.0	-0.2	0.1	0.4	0.6	6.0
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0
50	0.0	0.0	0.0	0.1	-0.2	0.0	-0.5	-0.2	0.0	0.0	0.0	0.1
90	0.1	0.2	0.1	0.0	-0.3	-0.1	-0.8	-0.2	0.0	0.0	-0.2	0.1

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-49. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Feather River Low Flow Channel at Robinson Riffle

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	52.2	50.8	48.2	45.3	45.4	48.4	52.1	55.2	59.4	61.6	60.7	54.9
50	52.5	51.3	49.7	47.5	48.2	51.2	54.3	55.8	60.0	62.1	61.5	55.4
90	55.3	53.0	50.7	50.2	50.6	54.0	55.3	56.4	60.4	62.8	62.2	57.3
35 Minus Baseline (°F)												
10	0.1	0.1	-0.2	-0.5	-0.1	0.0	0.0	-0.2	0.0	0.1	0.3	0.1
50	0.1	0.2	0.2	-0.1	-0.5	-0.5	-0.9	-0.1	0.0	0.0	0.1	0.3
90	2.1	1.1	0.0	0.0	-0.2	-0.7	-0.9	-0.2	0.2	0.1	-0.1	0.7
45 Minus Baseline (°F)												
10	0.1	-0.1	-0.6	-0.6	-0.1	0.0	0.0	-0.1	0.0	0.0	0.2	0.1
50	0.2	0.2	0.2	-0.1	-0.5	-0.6	-1.0	-0.2	0.1	0.0	0.0	0.7
90	3.1	0.9	0.0	0.0	-0.1	-0.8	-1.1	-0.1	0.2	0.1	0.2	3.7
55 Minus Baseline (°F)												
10	0.2	0.1	0.0	-0.5	-0.1	-0.1	-0.1	-0.2	0.0	0.1	0.1	0.2
50	0.4	0.2	0.0	-0.1	-0.8	-0.9	-1.1	-0.2	0.0	0.1	0.1	0.8
90	3.4	1.3	0.0	-0.1	-0.3	-1.0	-1.2	-0.2	0.2	0.2	0.1	4.4
55 w/WSAs Minus Baseline (°F)												
10	0.1	0.0	0.0	-0.3	-0.1	0.0	-0.1	-0.2	0.0	0.1	0.2	0.1
50	0.3	0.1	0.2	0.1	-0.4	-0.6	-1.0	-0.2	0.0	0.0	0.0	0.7
90	2.0	0.4	0.0	0.0	0.0	-0.6	-0.9	-0.2	0.2	-0.1	-0.1	0.6
65 Minus Baseline (°F)												
10	0.2	0.0	0.3	-0.4	-0.1	-0.1	-0.2	-0.3	-0.1	0.0	0.1	0.5
50	0.2	0.1	0.3	0.4	-0.5	-0.9	-1.3	-0.2	0.1	0.0	0.2	1.2
90	4.1	1.3	0.0	0.0	-0.5	-1.1	-1.3	-0.1	0.3	0.3	0.6	4.4
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
50	0.0	0.0	0.0	0.0	0.1	0.0	-0.3	-0.1	0.0	-0.1	0.0	0.1
90	-0.1	0.3	0.1	0.0	0.1	-0.1	-0.5	-0.1	0.0	0.0	-0.1	0.0

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-50. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions for Feather River Discharges from the Thermalito Afterbay

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	55.4	53.6	49.6	46.6	46.7	49.5	53.7	56.2	61.4	63.0	63.2	56.7
50	57.0	54.7	51.2	49.5	52.6	58.9	66.3	63.2	65.3	63.9	67.2	60.1
90	63.8	57.6	52.7	51.6	56.5	64.1	70.5	67.1	68.5	68.9	74.8	72.1
35 Minus Baseline (°F)												
10	0.5	0.1	0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.5	-0.2
50	0.5	0.2	0.0	-0.4	-0.8	-3.2	-6.8	-2.6	-0.3	1.2	2.2	2.5
90	1.2	0.7	-0.3	-0.2	-1.4	-3.1	-3.7	-1.5	1.8	2.3	-0.7	-0.1
45 Minus Baseline (°F)												
10	0.5	0.2	0.2	-0.1	0.1	0.1	0.0	0.1	0.3	0.3	0.4	0.7
50	1.2	0.4	0.0	-0.5	-1.4	-4.3	-8.4	-3.6	-0.1	2.3	2.0	5.2
90	1.4	0.3	-0.4	-0.1	-1.5	-3.7	-5.8	-2.4	1.8	2.8	-1.5	1.0
55 Minus Baseline (°F)												
10	0.7	0.1	0.2	0.0	0.1	0.1	-0.4	-0.2	0.1	0.5	1.1	1.7
50	3.1	0.3	0.1	-0.7	-1.7	-4.9	-9.5	-4.3	0.8	5.7	3.2	5.3
90	2.4	0.1	-0.4	-0.2	-2.1	-4.9	-7.4	-3.1	1.7	3.3	-2.1	1.5
55 w/WSAs Minus Baseline (°F)												
10	0.6	0.1	0.2	0.2	0.0	0.1	-0.2	0.0	0.3	0.1	0.2	0.6
50	2.9	0.2	0.0	-0.5	-1.0	-3.6	-8.2	-3.8	-0.1	3.1	1.8	6.5
90	0.8	0.3	-0.4	-0.2	-1.3	-3.3	-4.5	-2.3	1.5	2.2	-1.9	0.4
65 Minus Baseline (°F)												
10	1.7	0.1	0.3	0.2	0.0	0.0	-0.7	-0.6	-0.3	0.9	2.4	4.6
50	3.8	0.2	0.3	-0.3	-2.0	-5.5	-10.4	-4.8	0.7	6.0	4.2	9.9
90	3.0	1.1	-0.3	0.1	-2.6	-5.9	-9.0	-3.2	1.3	4.0	-1.2	1.7
Voluntary Agreement Minus Baseline (°F)												
10	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
50	0.1	0.0	0.0	0.0	0.0	-0.3	-1.0	-2.5	0.2	0.1	0.9	0.6
90	-0.5	0.3	0.0	0.2	-0.4	-0.2	-1.8	-2.2	0.6	0.1	0.0	-0.5

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-51. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions for the Feather River below the Discharge from the Thermalito Afterbay

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	54.9	51.5	48.5	45.6	46.6	49.4	53.8	56.2	61.5	63.1	63.0	56.8
50	55.9	52.9	49.9	48.0	49.5	53.1	57.9	60.1	64.2	64.0	64.0	59.4
90	59.0	54.0	51.7	50.4	51.8	57.1	61.5	61.9	65.4	66.9	67.7	63.2
35 Minus Baseline (°F)												
10	0.2	0.6	0.8	0.5	0.0	0.1	0.0	0.1	0.0	0.1	0.4	-0.2
50	0.2	0.2	0.5	0.4	0.5	1.3	0.6	-0.4	-0.1	0.9	0.8	1.2
90	1.2	1.1	0.0	0.1	1.1	0.9	0.6	-0.4	0.2	1.4	0.0	1.2
45 Minus Baseline (°F)												
10	0.5	0.6	0.8	0.6	0.0	0.1	0.0	0.1	0.2	0.3	0.4	0.7
50	0.8	0.4	0.5	0.5	0.4	0.6	-0.4	-0.9	0.1	1.3	1.5	1.3
90	2.7	1.3	0.0	0.2	1.2	0.6	0.1	-0.3	0.5	1.2	0.0	1.4
55 Minus Baseline (°F)												
10	0.5	0.6	1.0	0.6	0.1	0.1	-0.4	-0.1	0.1	0.5	0.9	1.3
50	1.2	0.4	0.7	0.5	0.6	0.2	-1.3	-1.4	0.4	2.3	1.6	1.9
90	2.9	1.6	0.1	0.4	1.0	0.3	-0.5	-0.3	0.7	1.7	-0.3	2.3
55 w/WSAs Minus Baseline (°F)												
10	0.2	0.3	1.0	0.6	0.0	0.1	-0.3	0.0	0.3	0.1	0.4	0.5
50	0.4	0.2	0.6	0.7	0.5	1.0	-0.4	-1.2	-0.1	1.9	1.7	1.1
90	1.7	0.6	0.0	0.1	1.1	0.6	0.3	-0.5	0.5	1.1	0.0	0.4
65 Minus Baseline (°F)												
10	1.0	0.8	1.3	1.0	0.0	0.1	-0.7	-0.4	-0.2	0.8	1.9	3.0
50	1.0	0.4	0.9	0.8	0.6	-0.1	-2.1	-1.8	0.5	2.9	2.1	1.9
90	3.6	1.9	0.4	0.9	0.8	-0.2	-1.3	0.1	1.3	2.6	0.6	3.7
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
50	0.1	0.0	0.0	0.2	0.0	0.0	1.9	-0.1	0.0	0.1	0.2	0.2
90	-0.2	0.4	0.0	0.1	0.0	0.7	1.3	-0.2	0.0	0.4	0.2	0.4

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-52. Comparison of Modeled Baseline and flow scenario Monthly Temperature Distributions for the Feather River at Gridley

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	55.4	52.1	48.7	45.8	46.8	49.8	54.3	56.8	62.4	64.0	64.0	57.5
50	56.5	53.1	49.9	48.2	50.1	53.9	59.1	61.4	65.6	64.9	65.9	60.4
90	59.8	54.2	51.7	50.5	52.0	57.5	62.3	63.1	66.7	68.3	68.9	64.0
35 Minus Baseline (°F)												
10	0.3	0.4	0.6	0.5	0.0	0.1	0.0	0.2	0.0	0.2	0.5	-0.1
50	0.2	0.3	0.5	0.3	0.3	1.0	0.1	-0.6	-0.1	1.3	0.5	1.4
90	1.0	1.0	0.0	0.1	1.2	0.9	0.6	-0.2	0.2	1.3	0.0	1.4
45 Minus Baseline (°F)												
10	0.5	0.4	0.6	0.5	0.1	0.1	0.0	0.2	0.2	0.3	0.4	0.8
50	0.7	0.4	0.5	0.4	0.1	0.3	-0.8	-1.2	0.1	2.1	1.3	1.6
90	2.4	1.3	0.1	0.2	1.3	0.7	0.1	-0.2	0.7	1.4	0.0	1.8
55 Minus Baseline (°F)												
10	0.5	0.5	0.8	0.5	0.1	0.1	-0.3	-0.1	0.0	0.5	1.0	1.5
50	1.1	0.4	0.6	0.4	0.2	-0.1	-1.9	-1.7	0.2	3.0	1.2	2.1
90	2.7	1.5	0.2	0.4	1.0	0.3	-0.5	0.0	0.9	1.9	0.0	2.7
55 w/WSAs Minus Baseline (°F)												
10	0.4	0.3	0.7	0.7	0.0	0.1	-0.3	0.1	0.3	0.2	0.2	0.5
50	0.5	0.3	0.6	0.5	0.2	0.7	-0.8	-1.4	-0.1	2.5	1.2	1.6
90	1.4	0.5	0.1	0.1	1.2	0.7	0.3	-0.4	0.7	1.3	0.2	0.9
65 Minus Baseline (°F)												
10	1.1	0.5	0.9	1.0	0.0	0.1	-0.7	-0.3	-0.2	1.0	2.1	3.7
50	1.2	0.4	0.9	0.6	0.2	-0.5	-2.6	-2.1	0.4	3.6	1.8	2.3
90	3.5	1.9	0.4	0.9	0.9	-0.1	-1.3	0.1	1.3	2.6	0.7	3.7
Voluntary Agreement Minus Baseline (°F)												
10	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
50	0.0	0.0	0.1	0.1	0.1	0.1	1.4	-0.3	0.0	0.1	0.1	0.3
90	-0.2	0.4	0.0	0.1	0.1	0.7	1.2	-0.2	0.0	0.2	0.2	0.5

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-53. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions for the American River below Folsom Dam

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	58.5	57.2	51.4	45.9	46.5	48.7	50.8	53.2	55.0	57.5	59.0	61.6
50	63.2	58.2	54.9	49.8	48.7	50.9	53.0	54.7	56.9	62.3	61.0	63.6
90	67.3	59.7	56.0	52.5	51.3	52.2	58.3	63.0	64.2	65.6	63.7	67.0
35 Minus Baseline (°F)												
10	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
50	0.1	0.0	0.0	-0.3	0.0	0.0	0.7	0.1	0.6	-0.5	0.0	0.0
90	0.8	0.7	0.0	-0.1	-0.3	0.0	0.1	-0.2	0.3	0.7	0.2	0.2
45 Minus Baseline (°F)												
10	0.0	0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
50	0.1	0.0	-0.3	-0.3	0.0	0.0	0.9	1.5	2.2	0.5	1.1	0.2
90	0.8	0.7	0.0	0.0	0.0	0.0	0.1	0.5	1.1	0.2	0.1	0.2
55 Minus Baseline (°F)												
10	0.0	0.2	0.1	-0.1	0.0	0.0	0.0	0.1	0.7	0.2	0.0	0.0
50	0.1	0.1	0.1	0.1	0.0	0.1	1.2	2.5	3.7	1.6	1.3	1.5
90	0.0	0.7	0.0	0.2	0.1	0.0	0.2	0.7	1.2	0.9	0.3	0.0
55 w/WSAs Minus Baseline (°F)												
10	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.6	-0.1	0.0	0.0
50	0.1	0.0	-0.1	0.0	0.0	0.0	1.1	1.5	3.0	1.0	1.4	0.8
90	0.6	0.8	0.0	0.1	0.0	0.0	0.4	0.9	1.1	-0.1	0.0	0.0
65 Minus Baseline (°F)												
10	0.0	-0.4	-1.9	-0.3	-0.3	0.1	0.1	0.4	0.4	0.1	0.6	0.0
50	0.1	0.2	-0.2	-0.4	-0.1	0.0	1.6	2.5	3.3	1.6	2.0	2.1
90	0.9	0.9	0.1	0.0	0.1	-0.1	-0.1	0.8	0.9	0.8	0.3	0.4
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
50	0.0	0.0	0.1	0.2	0.0	0.0	0.3	0.3	0.4	0.2	0.2	0.0
90	0.0	0.2	0.0	0.2	0.1	0.0	0.3	0.4	0.6	-0.2	0.1	0.1

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-54. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions for the American River at Hazel Avenue

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	58.8	57.0	51.1	45.9	46.6	49.1	51.3	53.7	56.0	59.1	60.0	62.5
50	63.2	58.0	54.1	49.2	48.7	51.7	54.6	56.0	58.2	63.5	63.0	64.4
90	66.7	59.5	55.3	51.9	51.3	53.4	59.2	64.4	67.5	67.8	66.2	67.8
35 Minus Baseline (°F)												
10	0.0	-0.2	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.1	0.0	-0.2	-0.1	0.1	-0.2	0.1	0.2	0.5	0.1	0.3	0.0
90	0.1	0.2	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-0.6	0.7	0.4	0.1
45 Minus Baseline (°F)												
10	0.0	0.1	0.5	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
50	0.1	0.0	-0.3	-0.1	0.0	-0.3	0.0	1.3	1.8	0.8	0.9	0.3
90	0.1	0.2	0.0	-0.1	0.0	-0.3	-0.1	0.2	-0.8	0.7	0.5	0.1
55 Minus Baseline (°F)												
10	0.1	0.1	0.5	-0.1	-0.1	0.0	0.1	0.1	0.2	0.3	0.1	0.2
50	0.1	0.2	0.0	0.2	0.0	-0.3	0.5	2.1	3.8	2.5	1.7	1.4
90	0.1	0.3	0.0	0.3	0.3	-0.3	-0.2	0.2	0.5	1.0	0.9	0.2
55 w/WSAs Minus Baseline (°F)												
10	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.1
50	0.1	0.1	-0.2	0.1	0.1	-0.2	0.4	1.1	3.0	1.3	1.2	0.7
90	0.1	0.2	-0.1	0.0	0.0	-0.2	0.1	0.9	0.0	0.4	0.3	0.2
65 Minus Baseline (°F)												
10	0.0	-0.4	-1.2	-0.2	-0.3	0.0	0.1	0.3	0.1	0.2	0.6	0.0
50	0.4	0.3	-0.2	-0.3	0.0	-0.4	0.4	1.8	4.1	2.7	2.0	1.9
90	0.3	0.7	-0.1	0.4	0.2	-0.5	-0.4	0.6	0.3	1.0	0.6	0.3
Voluntary Agreement Minus Baseline (°F)												
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.5	0.1	-0.1	0.1	0.2	0.4	0.3	0.0	0.0
90	0.1	0.0	-0.1	0.1	0.2	-0.1	0.1	0.2	-0.4	0.4	0.5	0.2

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-55. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the American River at Watt Avenue

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	60.2	57.0	51.1	46.1	47.2	50.3	53.1	55.8	58.7	63.3	62.8	65.5
50	64.3	58.1	53.4	49.6	49.9	54.0	58.2	59.4	62.2	66.9	67.2	67.3
90	67.9	59.6	54.7	52.1	53.1	56.7	63.2	68.9	73.6	72.8	71.1	70.7
35 Minus Baseline (°F)												
10	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.1	-0.2	0.1	-0.1
50	0.0	0.0	0.0	-0.3	0.0	-0.2	-0.6	0.5	0.3	0.2	0.8	0.1
90	0.3	0.1	-0.1	0.1	0.0	-0.1	-0.9	-0.6	-1.0	0.7	0.5	0.3
45 Minus Baseline (°F)												
10	0.0	0.1	0.2	-0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.2
50	0.1	0.0	-0.1	-0.3	0.0	-0.5	-0.8	1.0	1.3	0.9	1.3	0.4
90	0.3	0.0	-0.1	-0.1	-0.2	-0.8	-1.1	-0.6	-1.2	0.7	1.0	0.4
55 Minus Baseline (°F)												
10	0.3	0.3	0.3	-0.1	0.0	0.0	0.1	0.0	0.3	0.4	0.2	0.4
50	0.2	0.1	0.1	-0.1	0.0	-0.7	-0.8	1.2	3.1	4.3	2.1	1.3
90	0.2	0.1	0.0	0.3	-0.1	-1.0	-1.6	-1.1	0.2	1.1	1.7	0.6
55 w/WSAs Minus Baseline (°F)												
10	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	-0.1
50	0.1	0.1	0.0	-0.1	0.1	-0.3	-0.8	0.6	2.3	1.5	1.6	0.6
90	0.2	0.1	-0.1	0.0	-0.5	-0.3	-0.9	-0.1	-0.4	0.6	0.8	0.3
65 Minus Baseline (°F)												
10	0.2	0.1	-0.6	-0.1	-0.2	-0.1	0.0	0.3	0.4	0.4	0.4	0.0
50	0.6	0.2	0.0	-0.1	-0.2	-1.0	-1.4	0.9	4.3	4.4	2.3	1.7
90	0.2	0.4	0.0	0.4	-0.4	-1.2	-1.8	-1.0	0.0	1.5	1.1	0.6
Voluntary Agreement Minus Baseline (°F)												
10	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
50	0.0	0.0	0.2	0.3	0.0	-0.1	-0.1	0.0	0.5	0.4	0.1	0.0
90	0.1	-0.1	0.1	0.0	0.0	-0.2	-0.8	0.1	-0.9	0.3	0.6	0.2

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-56. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Yuba River at Smartsville

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	52.5	50.2	44.0	41.7	42.7	44.0	46.4	47.8	50.3	50.7	51.6	52.6
50	53.8	51.4	46.2	43.4	44.1	46.3	48.3	49.3	51.3	52.6	53.2	54.2
90	55.3	52.5	48.6	45.5	46.2	48.4	50.8	52.0	53.7	54.9	55.3	56.1
35 Minus Baseline (°F)												
10	-0.3	-0.4	-0.3	-0.2	0.1	0.5	0.4	0.6	0.6	0.8	0.2	0.0
50	-0.2	-0.3	-0.3	-0.1	0.1	-0.2	0.4	0.6	0.8	1.0	0.6	0.1
90	0.0	-0.3	-0.2	-0.2	-0.3	-0.5	-0.2	0.2	0.4	0.7	0.0	0.0
45 Minus Baseline (°F)												
10	-0.1	-0.3	-0.6	-0.1	0.1	0.4	0.4	0.5	0.7	1.3	0.3	0.1
50	0.1	-0.3	-0.4	-0.2	-0.1	-0.2	0.0	0.3	1.2	1.3	0.9	0.5
90	0.3	0.1	-0.3	-0.2	-0.5	-0.7	-0.8	0.0	0.9	1.6	0.3	0.3
55 Minus Baseline (°F)												
10	0.4	-0.5	-0.8	-0.3	0.0	0.4	0.3	0.5	1.0	2.0	1.1	0.6
50	0.5	-0.2	-0.4	-0.3	-0.3	-0.5	-0.2	0.3	1.6	2.1	1.4	1.0
90	0.6	0.1	-0.4	-0.3	-0.7	-1.1	-1.3	0.4	1.6	2.1	1.5	0.8
55 w/WSAs Minus Baseline (°F)												
10	0.4	-0.2	-0.6	-0.3	0.0	0.1	0.3	0.6	0.8	1.0	0.4	0.1
50	0.3	-0.1	-0.2	-0.1	0.0	-0.1	0.1	0.4	1.0	0.7	0.6	0.5
90	0.2	0.3	0.3	0.0	-0.3	-0.5	-0.4	0.3	0.8	0.9	0.3	0.5
65 Minus Baseline (°F)												
10	0.8	-0.3	-0.8	-0.4	-0.1	0.2	0.1	0.6	1.4	3.4	1.6	1.0
50	0.9	0.0	-0.4	-0.3	-0.3	-0.7	-0.5	0.4	2.5	3.5	2.5	1.6
90	1.9	1.1	-0.2	-0.4	-0.7	-1.3	-1.7	0.4	2.0	3.5	3.0	2.3
Voluntary Agreement Minus Baseline (°F)												
10	0.3	0.2	-0.2	-0.2	-0.1	0.0	-0.3	-0.1	0.0	0.1	0.1	0.3
50	0.2	0.2	0.2	0.0	0.0	0.0	-0.6	-0.1	0.2	0.4	0.2	0.1
90	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.3	0.3

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-57. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Yuba River above Daguerre Dam

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	54.4	51.1	44.4	42.1	43.5	45.4	48.1	49.6	52.7	54.2	55.1	55.6
50	55.7	52.3	46.7	44.1	45.4	47.6	50.8	51.7	54.3	56.7	56.6	57.4
90	57.2	53.5	49.0	46.3	47.9	51.0	54.3	55.4	58.0	59.2	59.7	60.0
35 Minus Baseline (°F)												
10	-0.2	-0.5	-0.3	0.0	0.0	0.3	0.3	0.1	0.5	1.5	0.5	0.0
50	-0.2	-0.3	-0.3	-0.1	-0.1	0.0	0.2	0.4	0.9	1.1	0.9	0.4
90	0.0	-0.3	-0.3	-0.2	-0.3	-0.5	-0.9	0.0	0.4	0.4	0.0	-0.1
45 Minus Baseline (°F)												
10	0.1	-0.5	-0.6	-0.1	0.0	0.2	0.3	0.1	0.7	2.0	0.5	0.1
50	0.1	-0.3	-0.3	-0.2	-0.2	-0.1	-0.4	0.1	1.3	1.5	1.4	0.8
90	0.3	-0.2	-0.3	-0.3	-0.4	-0.9	-1.8	0.1	0.7	1.1	0.5	0.3
55 Minus Baseline (°F)												
10	0.3	-0.4	-0.7	-0.2	0.0	0.1	0.1	0.1	0.7	2.6	1.2	0.5
50	0.4	-0.3	-0.5	-0.4	-0.4	-0.5	-0.9	-0.2	1.5	2.2	2.0	1.4
90	0.6	0.1	-0.5	-0.5	-0.8	-1.5	-2.4	0.3	2.0	3.0	1.4	0.7
55 w/WSAs Minus Baseline (°F)												
10	0.4	-0.4	-0.6	-0.2	0.0	0.0	0.2	0.2	0.7	1.1	0.3	0.0
50	0.2	-0.1	-0.3	-0.2	-0.2	0.2	-0.5	-0.1	1.2	0.9	0.8	0.7
90	0.2	0.2	0.2	-0.2	-0.3	-0.8	-1.1	0.2	0.9	0.8	0.4	0.3
65 Minus Baseline (°F)												
10	0.8	-0.5	-0.8	-0.3	-0.1	0.0	-0.1	0.2	1.0	4.1	2.1	0.8
50	1.0	-0.1	-0.4	-0.5	-0.6	-0.7	-1.3	-0.1	2.5	3.7	3.4	1.9
90	2.0	1.0	-0.3	-0.4	-1.2	-2.0	-2.9	0.5	2.4	4.1	3.1	2.2
Voluntary Agreement Minus Baseline (°F)												
10	0.3	0.0	-0.2	-0.1	-0.1	-0.1	-0.3	0.0	0.0	0.1	0.1	0.3
50	0.1	0.1	0.2	-0.1	0.0	0.2	-1.2	-0.3	0.2	0.4	0.2	0.1
90	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.3

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-58. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Yuba River below Daguerre Dam

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	54.5	51.2	44.4	42.1	43.6	45.5	48.2	49.8	52.8	54.5	55.4	55.8
50	55.9	52.4	46.8	44.1	45.4	47.7	50.9	51.9	54.5	57.0	56.8	57.7
90	57.3	53.5	49.0	46.3	48.0	51.2	54.5	55.7	58.4	59.7	60.1	60.3
35 Minus Baseline (°F)												
10	-0.2	-0.4	-0.3	0.0	0.0	0.3	0.2	0.1	0.6	1.7	0.5	0.1
50	-0.2	-0.3	-0.3	-0.1	-0.1	0.0	0.2	0.5	0.9	1.1	1.1	0.4
90	0.0	-0.3	-0.3	-0.2	-0.3	-0.5	-0.9	0.0	0.4	0.4	0.0	-0.1
45 Minus Baseline (°F)												
10	0.1	-0.4	-0.6	-0.1	0.0	0.2	0.3	0.1	0.7	2.1	0.6	0.1
50	0.1	-0.3	-0.3	-0.2	-0.2	-0.1	-0.4	0.1	1.2	1.5	1.5	0.8
90	0.3	-0.2	-0.3	-0.3	-0.4	-1.0	-1.9	0.0	0.7	1.1	0.5	0.3
55 Minus Baseline (°F)												
10	0.3	-0.4	-0.7	-0.2	0.0	0.1	0.1	0.1	0.8	2.8	1.2	0.5
50	0.4	-0.3	-0.5	-0.4	-0.4	-0.5	-0.9	-0.2	1.5	2.1	2.2	1.4
90	0.6	0.1	-0.5	-0.5	-0.9	-1.6	-2.5	0.3	2.1	3.0	1.5	0.7
55 w/WSAs Minus Baseline (°F)												
10	0.3	-0.4	-0.6	-0.2	-0.1	0.0	0.2	0.3	0.8	1.1	0.4	0.0
50	0.2	-0.1	-0.3	-0.2	-0.2	0.2	-0.5	-0.1	1.2	0.9	0.9	0.7
90	0.2	0.2	0.2	-0.2	-0.3	-0.8	-1.2	0.2	1.0	0.8	0.4	0.3
65 Minus Baseline (°F)												
10	0.8	-0.5	-0.8	-0.3	-0.1	0.0	-0.1	0.2	1.1	4.1	2.1	0.8
50	1.0	-0.1	-0.4	-0.5	-0.6	-0.7	-1.3	-0.1	2.5	3.7	3.5	2.0
90	2.0	1.0	-0.3	-0.4	-1.2	-2.1	-3.0	0.4	2.4	4.1	3.0	2.2
Voluntary Agreement Minus Baseline (°F)												
10	0.2	0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-0.1	0.0	0.1	0.1	0.3
50	0.1	0.1	0.2	-0.1	0.0	0.2	-1.1	-0.3	0.2	0.3	0.3	0.0
90	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3

°F = degrees Fahrenheit

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

Table H1b-59. Comparison of Modeled Baseline and Flow Scenario Monthly Temperature Distributions in the Yuba River at Marysville.

Percentile	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline (°F)												
10	56.0	51.6	44.6	42.3	44.0	46.1	49.2	51.1	54.5	56.9	57.7	57.6
50	57.3	52.9	47.1	44.3	45.9	48.5	52.0	53.5	56.9	60.0	59.7	59.6
90	58.7	54.1	49.1	46.6	48.9	52.5	56.5	58.2	62.2	63.8	63.6	62.7
35 Minus Baseline (°F)												
10	-0.1	-0.3	-0.3	0.0	0.0	0.2	0.2	0.0	0.4	2.8	0.5	0.0
50	-0.2	-0.3	-0.3	-0.1	0.0	0.0	0.3	0.5	0.8	1.2	1.2	0.8
90	0.1	-0.5	-0.2	-0.1	-0.2	-0.6	-1.1	-0.3	0.0	0.3	0.0	-0.1
45 Minus Baseline (°F)												
10	0.0	-0.4	-0.5	-0.1	0.1	0.2	0.2	0.0	0.7	3.0	0.5	0.2
50	0.0	-0.3	-0.3	-0.3	-0.1	0.0	-0.3	0.1	1.0	1.5	1.6	1.1
90	0.3	-0.3	-0.2	-0.2	-0.6	-1.0	-2.2	-0.3	0.4	0.9	0.4	0.5
55 Minus Baseline (°F)												
10	0.2	-0.4	-0.6	-0.2	-0.1	0.1	0.1	0.0	0.8	3.5	1.7	0.6
50	0.4	-0.3	-0.5	-0.4	-0.3	-0.4	-1.0	-0.4	1.3	2.2	2.4	1.9
90	0.6	0.1	-0.3	-0.5	-1.0	-1.7	-2.9	0.0	1.9	2.2	1.3	0.8
55 w/WSAs Minus Baseline (°F)												
10	0.2	-0.2	-0.5	-0.2	0.0	0.0	0.2	0.1	0.8	1.2	0.3	0.0
50	0.2	-0.1	-0.4	-0.2	-0.2	0.3	-0.4	-0.1	1.0	1.0	0.9	0.8
90	0.3	0.0	0.2	-0.2	-0.5	-0.9	-1.6	0.2	1.2	0.7	0.5	0.1
65 Minus Baseline (°F)												
10	0.7	-0.5	-0.7	-0.3	-0.1	0.0	-0.2	0.0	1.0	4.4	1.9	0.7
50	0.9	-0.1	-0.5	-0.4	-0.5	-0.7	-1.4	-0.5	1.9	3.9	3.6	2.5
90	1.9	0.8	-0.4	-0.3	-1.3	-2.3	-3.6	-0.1	1.9	3.8	2.7	2.2
Voluntary Agreement Minus Baseline (°F)												
10	0.1	0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.3
50	0.1	0.1	0.1	-0.1	0.0	0.2	-1.2	-0.2	0.1	0.2	0.1	0.0
90	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.5	0.3

°F = degrees Fahrenheit
Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

H1b.6 Fish Assessment

This section describes a quantitative assessment of potential water temperature-related effects of each flow scenario to anadromous fish in the Sacramento, Feather, and American Rivers. The methods are described first, followed by the results in tabular format. Interpretation of results tables is provided in Section 13.7.6.2, *Aquatic Biological Resources*.

H1b.6.1 Methods

This analysis determined the frequency and magnitude of exceedance above one or more water temperature index values for each race/species and life stage at multiple locations within the Sacramento River (Table H1b-60), Feather River (Table H1b-61), American River (Table H1b-62), and Yuba River (Table H1b-63). Index values were obtained from USEPA guidance (^USEPA 2003) and the scientific literature. These index values characterize the suitable, optimal, acceptable, and observed temperature range needed for survival, growth, or presence of each life stage. The list of index values for salmonids and green sturgeon originally was compiled to assess potential upstream water temperature-related effects for the California WaterFix Section 7 consultation (NMFS 2017), with supplemental information taken from the scientific literature as necessary. Additional temperature values from the Oroville Reservoir relicensing process (^NMFS 2016d) were included for the Feather River in Tables H1b-64 and Table H1b-65.

Although evaluating the frequency of exceedance above an index value can provide an understanding of potential effects of a management action on fish, an analysis that also incorporates the magnitude of any exceedance above the index value allows for a more complete characterization of effects. Under the former, very small exceedances are counted the same as large exceedances despite potentially big differences in biological consequences. In the latter, one can focus on the exceedances with sufficient magnitude and frequency to have biologically meaningful effects (defined below).

Because USEPA (^2003) criteria are provided as 7-day average daily maximum (7DADM) and water temperature model outputs are daily means, an additional conversion step was performed to convert 7DADM usable values for the analysis. This involved first calculating daily mean and maximum values from historical stream gage data for multiple locations in the Sacramento, Feather, American, and Yuba Rivers obtained from the CDEC web site (cdec.ca.gov; Swank 2015) and Yuba County Water Agency (YCWA 2013). The 7DADM was calculated for each day using the mean of that day and the preceding 6 days. Next, the difference between 7DADM and mean daily values was calculated for each day. Finally, for each location, the mean monthly difference between 7DADM and mean daily values was calculated. This difference was used as a conversion value to adjust water temperature index values. These conversion values are presented by month in Table H1b-66, Table H1b-67, and Table H1b-68 for the Sacramento, American, and Feather and Yuba Rivers, respectively. No conversions were necessary for index values that did not use USEPA 7DADM guidance.

The Index value analysis consisted of three steps, and the analysis was conducted separately for each index value listed in Tables H1b-60 through H1b-65. First, for the baseline and each flow scenario, the total number of days across the 98-year modeling period with a modeled temperature that exceeded a given index value was divided by the total number of days for each month of the year and water year type to provide the frequency of exceedance above the index value. The difference in frequency of exceedance between each flow scenario and the baseline was then calculated for each month and water year type.

Second, the magnitude of exceedance above a temperature index value was calculated. For all days on which the modeled temperature exceeded a given temperature index value, the cumulative degrees exceeded were summed as a degree-day total by month and water year type across the 98-year modeling period and divided by the total number of days that the index value was exceeded, to provide the average daily magnitude of exceedance for those days that exceeded the index temperature. The difference in average daily magnitude of exceedance between each flow scenario and the baseline was then calculated for each month and water year type. Combined, these calculations provided a magnitude and frequency of exceedance above a given temperature index value.

The final step identified in which months and water year types there would be a biologically meaningful effect. A *biologically meaningful* effect was defined as the months and water year types in which water temperature results met two criteria: (1) the difference in frequency of exceedance between a flow scenario and the baseline was greater than 5 percent; and (2) the difference in average daily exceedance was greater than 0.5°F. The 5-percent criterion was based on best professional judgment of fisheries biologists from the National Marine Fisheries Service (NMFS), CDFW, DWR, and Reclamation, and is consistent with estimates of model noise (unexplained variability) in CALSIM-based analyses. The 0.5°F-criterion was based on: (1) a review of the water temperature-related mortality rates for steelhead eggs and juveniles that indicated changes in temperature of 0.5°F had little effect on survival (^DWR 2016d, Appendix 5.D); and (2) a reasonable water temperature differential that could be resolved through real-time reservoir operations. The 0.5°F-value was applied to all species/races and life stages although it was based on data for steelhead eggs and juveniles. A "favorable" biologically meaningful effect occurred when the frequency of exceedance was greater than 5 percent <u>lower</u> under the flow scenario than the baseline and the average daily exceedance was greater than 0.5 °F <u>lower</u> under the flow scenario relative to the baseline. An "unfavorable" biologically meaningful effect occurred when the frequency of exceedance was greater than 5 percent <u>higher</u> under the flow scenario than the baseline and the average daily exceedance was greater than 0.5 °F <u>higher</u> under the flow scenario relative to the baseline. Results were summarized by presenting the percent of month-water year combinations with favorable and unfavorable results for each species/race, life stage, and index value.

Owing to the large volume of outputs, these results were further compressed into summary tables for each river and species/race for ease of interpretation. These tables indicate the percent of month and water year type combinations (e.g., April, below normal water years) with favorable or unfavorable biologically meaningful effects, as defined above, for all index values combined within a life stage.

Table H1b-60. Water Temperature Index Values Used for Water Temperature Index Value Analyses, Sacramento River

Species	Life Stage	Period	Location	Index Value (°F)		Source/Notes
				Mean Daily	7DADM [a]	
Winter-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Apr-Oct	Keswick	–	55.4	USEPA (^2003)
			Clear Creek	–	55.4	USEPA (^2003)
			Balls Ferry	–	55.4	USEPA (^2003)
			Bend Bridge	–	55.4	USEPA (^2003)
			Red Bluff Diversion Dam	–	55.4	USEPA (^2003)
		May-Oct	Keswick	53.5	–	NMFS (^2019 BiOp)
			Clear Creek	53.5	–	NMFS (^2019 BiOp)
			Keswick	56	–	NMFS (^2019 BiOp)
			Clear Creek	56	–	NMFS (^2019 BiOp)
	Fry and Juvenile Rearing and Emigration	Jul-Mar	Keswick	–	61	USEPA (^2003); core juvenile rearing [b]
			Clear Creek	–	61	USEPA (^2003); core juvenile rearing
			Balls Ferry	–	61	USEPA (^2003); core juvenile rearing
			Bend Bridge	–	61	USEPA (^2003); core juvenile rearing
			Red Bluff Diversion Dam	–	61	USEPA (^2003); core juvenile rearing
			Wilkins Slough	–	64	USEPA (^2003); core juvenile rearing [c]
	Adult Immigration	Dec-Aug	Keswick	–	68	USEPA (^2003)
			Bend Bridge	–	68	USEPA (^2003)
			Red Bluff Diversion Dam	–	68	USEPA (^2003)
	Adult Holding	Jan-Aug	Keswick	–	61	USEPA (^2003)
			Balls Ferry	–	61	USEPA (^2003)
			Red Bluff Diversion Dam	–	61	USEPA (^2003)
Spring-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Aug-Dec	Keswick	–	55.4	USEPA (^2003); core juvenile rearing
			Clear Creek	–	55.4	USEPA (^2003); core juvenile rearing
			Balls Ferry	–	55.4	USEPA (^2003); core juvenile rearing
			Bend Bridge	–	55.4	USEPA (^2003); core juvenile rearing
			Red Bluff Diversion Dam	–	55.4	USEPA (^2003); core juvenile rearing
			Keswick	–	61	USEPA (^2003); core juvenile rearing

Species	Life Stage	Period	Location	Index Value (°F)		Source/Notes
				Mean Daily	7DADM [a]	
	Fry and Juvenile Rearing and Emigration	Year-round	Clear Creek	–	61	USEPA (^2003); core juvenile rearing
			Balls Ferry	–	61	USEPA (^2003); core juvenile rearing
			Bend Bridge	–	61	USEPA (^2003); core juvenile rearing
			Red Bluff Diversion Dam	–	61	USEPA (^2003); core juvenile rearing
			Hamilton City	–	64	USEPA (^2003); core juvenile rearing
	Adult Immigration	Mar-Sep	Keswick	–	68	USEPA (^2003)
			Bend Bridge	–	68	USEPA (^2003)
			Red Bluff	–	68	USEPA (^2003)
	Adult Holding	Apr-Sep	Keswick	–	61	USEPA (^2003)
			Balls Ferry	–	61	USEPA (^2003)
			Red Bluff Diversion Dam	–	61	USEPA (^2003)
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Sep-Jan	Keswick	–	55.4	USEPA (^2003)
			Clear Creek	–	55.4	USEPA (^2003)
			Balls Ferry	–	55.4	USEPA (^2003)
			Bend Bridge	–	55.4	USEPA (^2003)
			Red Bluff Diversion Dam	–	55.4	USEPA (^2003)
	Fry and Juvenile Rearing and Emigration	Dec-Jun	Keswick	–	61	USEPA (^2003); core juvenile rearing
			Clear Creek	–	61	USEPA (^2003); core juvenile rearing
			Balls Ferry	–	61	USEPA (^2003); core juvenile rearing
			Bend Bridge	–	61	USEPA (^2003); core juvenile rearing
			Red Bluff Diversion Dam	–	61	USEPA (^2003); core juvenile rearing
			Hamilton City	–	64	USEPA (^2003); core juvenile rearing
	Adult Immigration	Jul-Dec	Keswick	–	68	USEPA (^2003)
			Bend Bridge	–	68	USEPA (^2003)
			Red Bluff Diversion Dam	–	68	USEPA (^2003)
	Adult Holding	Jul-Aug	Keswick	–	61	USEPA (^2003)
			Balls Ferry	–	61	USEPA (^2003)
			Red Bluff Diversion Dam	–	61	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Notes
				Mean Daily	7DADM [a]	
Late Fall-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Dec-Jun	Keswick	–	55.4	USEPA (^2003)
			Clear Creek	–	55.4	USEPA (^2003)
			Balls Ferry	–	55.4	USEPA (^2003)
			Bend Bridge	–	55.4	USEPA (^2003)
			Red Bluff Diversion Dam	–	55.4	USEPA (^2003)
	Fry and Juvenile Rearing and Emigration	Mar-Jan	Keswick	–	61	USEPA (^2003); core juvenile rearing
			Clear Creek	–	61	USEPA (^2003); core juvenile rearing
			Balls Ferry	–	61	USEPA (^2003); core juvenile rearing
			Bend Bridge	–	61	USEPA (^2003); core juvenile rearing
			Red Bluff Diversion Dam	–	64	USEPA (^2003); core juvenile rearing
			Hamilton City	–	64	USEPA (^2003); core juvenile rearing
	Adult Immigration	Nov-Apr	Keswick	–	68	USEPA (^2003)
			Bend Bridge	–	68	USEPA (^2003)
			Red Bluff Diversion Dam	–	68	USEPA (^2003)
Steelhead	Spawning, Egg Incubation, and Alevins	Nov-Apr	Keswick	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
			Clear Creek	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
			Balls Ferry	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
			Bend Bridge	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
			Red Bluff Diversion Dam	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
	Kelt Emigration	Feb-May	Keswick	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Bend Bridge	–	68	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Notes
				Mean Daily	7DADM [a]	
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Red Bluff Diversion Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Juvenile Rearing	Year-round	Keswick	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Clear Creek	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Balls Ferry	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Bend Bridge	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Red Bluff Diversion Dam	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
	Smoltification	Jan-Mar	Keswick	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988

Species	Life Stage	Period	Location	Index Value (°F)		Source/Notes
				Mean Daily	7DADM [a]	
			Clear Creek	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Balls Ferry	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Bend Bridge	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Red Bluff Diversion Dam	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
	Smolt Emigration (excludes migrant parr)	Nov-Jun	Keswick	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
			Clear Creek	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
			Balls Ferry	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
			Bend Bridge	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
			Red Bluff Diversion Dam	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
	Adult Immigration	Aug-Mar	Keswick	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Bend Bridge	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Red Bluff Diversion Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Adult Holding	Sep-Nov	Keswick	–	61	USEPA (^2003)
			Balls Ferry	–	61	USEPA (^2003)
			Red Bluff Diversion Dam	–	61	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Notes
				Mean Daily	7DADM [a]	
Green Sturgeon	Spawning and Embryo Incubation	Mar-Jul	Bend Bridge	63	–	Upper end of optimal range for embryonic development (^Van Eenennaam et al. 2005)
			Red Bluff Diversion Dam	63	–	
			Hamilton City	63	–	
	Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding)	Aug-Feb	Bend Bridge	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
			Red Bluff Diversion Dam	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
			Hamilton City	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
		Year-round	Knights Landing	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
	Larval to Juvenile Rearing and Emigration	Year-round	Bend Bridge	66	–	Upper end of optimal range for bioenergetics performance of Age 0/1 sturgeon with full or reduced food supply (Mayfield and Cech 2004)
			Red Bluff Diversion Dam	66	–	
			Hamilton City	66	–	
			Knights Landing	66	–	

°F = degrees Fahrenheit
[a] 7DADM = Seven-Day Average Daily Maximum
[b] Core = moderate to high density (^USEPA 2003)
[c] Non-core = low to moderate density (^USEPA 2003)

Table H1b-61. Water Temperature Index Values Used for Water Temperature Index Value Analyses, American River

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
Winter-run Chinook Salmon	Non-Natal Rearing	Jul-Apr	Watt Ave	–	64	USEPA (^2003); non-core location [b]

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Oct-Feb	Hazel Ave	–	55.4	USEPA (^2003)
			Watt Ave		55.4	USEPA (^2003)
		Nov-Dec	Watt Ave	56	–	NMFS (^2019 BiOp)
	Fry and Juvenile Rearing and Emigration	Jan-May	Hazel Ave	–	61	USEPA (^2003); core juvenile rearing[3]
			Watt Ave	–	64	USEPA (^2003); non-core juvenile rearing
	Adult Immigration	Sep-Dec	Hazel Ave	–	68	USEPA (^2003)
			Watt Ave	–	68	USEPA (^2003)
	Adult Staging	Jul-Dec	Hazel Ave	–	61	USEPA (^2003)
			Watt Ave	–	61	USEPA (^2003)
		Oct	Watt Ave	60	–	ARWA (2017)
Steelhead	Spawning, Egg Incubation, and Alevins	Dec-May	Hazel Ave	53	–	McCullough et al. (2001)
			Watt Ave	53	–	McCullough et al. (2001)
	Kelt Emigration	Feb-May	Hazel Ave	––	68	USEPA (^2003)
				70		Average of studies cited in Richter and Kolmes (^2005)
			Watt Ave	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Juvenile Rearing	Year-round	Hazel Ave	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Watt Ave	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
		May 15–Oct 31	Watt Ave	65	–	NMFS (^2019 BiOp)
				68	–	NMFS (^2019 BiOp)
	Smoltification	Jan-Mar	Hazel Ave	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Watt Ave	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
	Smolt Emigration	Dec-Jun	Hazel Ave	–	61	USEPA (^2003); core location
			Watt Ave	–	64	USEPA (^2003); non-core location
	Adult Immigration	Oct-Apr	Hazel Ave	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Watt Ave	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Adult Holding	Oct-Nov	Hazel Ave	–	61	USEPA (^2003)
			Watt Ave	–	61	USEPA (^2003)

°F = degrees Fahrenheit
[a] 7DADM = Seven-Day Average Daily Maximum
[b] Non-core = low to moderate density (^USEPA 2003)
[c] Core = moderate to high density (^USEPA 2003)

Table H1b-62. Water Temperature Index Values Used for Water Temperature Index Value Analyses, Feather River

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
Winter-run Chinook Salmon	Non-Natal Rearing	Jul-Mar	LFC above Thermalito	–	64	USEPA (^2003); non-core juvenile rearing [b]
			HFC at Gridley	–	64	USEPA (^2003); non-core juvenile rearing
Spring-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Sep-Feb	LFC below Fish Dam	–	55.4	USEPA (^2003)
			HFC below Thermalito	–	55.4	USEPA (^2003)
		Nov-Jun	LFC below Fish Dam	–	61	USEPA (^2003); core juvenile rearing [c]

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
	Fry and Juvenile Rearing and Emigration		HFC below Thermalito	–	64	USEPA (^2003); non-core juvenile rearing
	Adult Immigration	Mar-Jun	LFC below Fish Dam	–	68	USEPA (^2003)
			HFC below Thermalito	–	68	USEPA (^2003)
	Adult Holding	Apr-Sep	LFC below Fish Dam	–	61	USEPA (^2003)
			HFC below Thermalito	–	61	USEPA (^2003)
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Oct-Feb	LFC below Fish Dam	–	55.4	USEPA (^2003)
			HFC below Thermalito	–	55.4	USEPA (^2003)
	Fry and Juvenile Rearing and Emigration	Nov-May	LFC below Fish Dam	–	61	USEPA (^2003); core juvenile rearing
			HFC below Thermalito	–	64	USEPA (^2003); non-core juvenile rearing
	Adult Immigration	Aug-Dec	LFC below Fish Dam	–	68	USEPA (^2003)
			HFC below Thermalito	–	68	USEPA (^2003)
	Adult Holding	Aug-Dec	LFC below Fish Dam	–	61	USEPA (^2003)
			HFC below Thermalito	–	61	USEPA (^2003)
Steelhead	Spawning, Egg Incubation, and Alevins	Dec-May	LFC below Fish Dam	53	–	McCullough et al. (2001)
			HFC below Thermalito	53	–	McCullough et al. (2001)
	Kelt Emigration	Feb-May	LFC below Fish Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			HFC below Thermalito	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Juvenile Rearing	Year-round	LFC below Fish Dam	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
			HFC below Thermalito	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	USEPA (^2003)
	Smoltification	Jan-Mar	LFC below Fish Dam	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			HFC below Thermalito	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
	Smolt Emigration	Dec-Jun	LFC below Fish Dam	–	61	USEPA (^2003)
			HFC below Thermalito	–	64	USEPA (^2003)
	Adult Immigration	Aug-Mar	LFC below Fish Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			HFC below Thermalito	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Adult Holding	Sep-Nov	LFC below Fish Dam	–	61	USEPA (^2003)
			HFC below Thermalito	–	61	USEPA (^2003)
Green Sturgeon	Spawning and Embryo Incubation	Mar-Jul	LFC below Fish Dam	63	–	Upper end of optimal range for embryonic development (^Van Eenennaam et al. 2005)
			HFC below Thermalito	63	–	
			HFC at Gridley	63	–	
	Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding)	Aug-Nov	LFC below Fish Dam	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
			HFC below Thermalito	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
			HFC at Gridley	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
		Year-round	LFC below Fish Dam	66	–	

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
	Larval to Juvenile Rearing and Emigration		HFC below Thermalito	66	–	Upper end of optimal range for bioenergetics performance of Age 0/1 sturgeon with full or reduced food supply (Mayfield and Cech 2004)
			HFC at Gridley	66	–	

°F = degrees Fahrenheit
HFC = High Flow Channel; LFC = Low Flow Channel
[a] 7DADM = Seven-Day Average Daily Maximum
[b] Non-core = low to moderate density (^USEPA 2003)
[c] Core = moderate to high density (^USEPA 2003)

Table H1b-63. Water Temperature Index Values Used for Water Temperature Index Value Analyses, Yuba River

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
Spring-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Sep-Dec	Smartsville	–	55.4	USEPA (^2003)
			Above Daguerre Point Dam	–	55.4	USEPA (^2003)
	Fry and Juvenile Rearing and Emigration	Year-round	Smartsville	–	61	USEPA (^2003); core juvenile rearing [b]
			Above Daguerre Point Dam	–	61	USEPA (^2003); core juvenile rearing [b]
			Below Daguerre Point Dam	–	64	USEPA (^2003); non-core juvenile rearing [c]
			Marysville	–	64	USEPA (^2003); non-core juvenile rearing [c]
	Adult Immigration	May-Sep	Smartsville	–	68	USEPA (^2003)
			Above Daguerre Point Dam	–	68	USEPA (^2003)
			Below Daguerre Point Dam	–	68	USEPA (^2003)
			Marysville	–	68	USEPA (^2003)
	Adult Holding	May-Sep	Smartsville	–	61	USEPA (^2003)
			Above Daguerre Point Dam	–	61	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
			Below Daguerre Point Dam	–	61	USEPA (^2003)
Fall-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Oct-Mar	Smartsville	–	55.4	USEPA (^2003)
			Above Daguerre Point Dam	–	55.4	USEPA (^2003)
	Fry and Juvenile Rearing and Emigration	Dec-Jun	Smartsville	–	61	USEPA (^2003); core juvenile rearing [b]
			Above Daguerre Point Dam	–	61	USEPA (^2003); core juvenile rearing [b]
			Below Daguerre Point Dam	–	64	USEPA (^2003); non-core juvenile rearing [c]
			Marysville	–	64	USEPA (^2003); non-core juvenile rearing [c]
	Adult Immigration	Aug-Nov	Smartsville	–	68	USEPA (^2003)
			Above Daguerre Point Dam	–	68	USEPA (^2003)
			Below Daguerre Point Dam	–	68	USEPA (^2003)
			Marysville	–	68	USEPA (^2003)
	Adult Staging	Sep-Nov	Smartsville	–	61	USEPA (^2003)
			Above Daguerre Point Dam	–	61	USEPA (^2003)
Steelhead	Spawning, egg Incubation, and alevins	Jan-Jun	Smartsville	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
			Above Daguerre Point Dam	53	–	McCullough et al. (2001)
				56	–	NMFS (^2009 BiOp)
	Kelt emigration	Feb-May	Smartsville	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Above Daguerre Point Dam	–	68	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Below Daguerre Point Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Marysville	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Juvenile rearing	Year-round	Smartsville	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Above Daguerre Point Dam	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Below Daguerre Point Dam	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
			Marysville	63	–	Intermediate value of ranges of optimal growth from Grabowski (1973); Hokanson et al. (1977); Wurtsbaugh and Davis (1977); Myrick and Cech (^2004); and Beakes et al. (2014)
				–	69	Sullivan et al. (2000)
	Smolt emigration	Oct-Apr	Smartsville	–	61	USEPA (^2003)
				–	64	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
	(excludes migrant parr)		Above Daguerre Point Dam	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
			Below Daguerre Point Dam	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
			Marysville	–	61	USEPA (^2003)
				–	64	USEPA (^2003)
	Smoltification	Oct-Apr	Smartsville	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Above Daguerre Point Dam	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Below Daguerre Point Dam	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
			Marysville	54	–	Zaugg and Wagner (1973); Adams et al. (1975); Zaugg (1981); Hoar 1988
	Adult Immigration	Aug-Mar	Smartsville	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Above Daguerre Point Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Below Daguerre Point Dam	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
			Marysville	–	68	USEPA (^2003)
				70	–	Average of studies cited in Richter and Kolmes (^2005)
	Adult Holding	Aug-Mar	Smartsville,	–	61	USEPA (^2003)

Species	Life Stage	Period	Location	Index Value (°F)		Source/Note
				Mean Daily	7DADM [a]	
			Above Daguerre Point Dam	–	61	USEPA (^2003)
			Below Daguerre Point Dam	–	61	USEPA (^2003)
			Marysville	–	61	USEPA (^2003)
Green Sturgeon	Spawning and Embryo Incubation	March through July	Below Daguerre Point Dam,	63	–	Upper end of optimal range for embryonic development (^Van Eenennaam et al. 2005)
			Marysville	63	–	
	Non-spawning adult presence	February through November	Below Daguerre Point Dam	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
			Marysville	66	–	Assumes that adults are at least as tolerant to temperatures as larvae and juveniles
				73	–	Houston (1988); Erickson et al. (2002)
	Larval to Juvenile Rearing and Emigration	Year-round	Below Daguerre Point Dam	66	–	Upper end of optimal range for bioenergetics performance of Age 0/1 sturgeon with full or reduced food supply (Mayfield and Cech 2004)
			Marysville	66	–	

°F = degrees Fahrenheit
[a] 7DADM = Seven-Day Average Daily Maximum
[b] Non-core = low to moderate density (^USEPA 2003)
[c] Core = moderate to high density (^USEPA 2003)

Table H1b-64. Water Temperature Index Values for Anadromous Fish in the Feather River Low Flow Channel near Robinson Riffle

Month	Temperature (°F)
January	56
February	56
March	56
April	56
May 1-15	56–63 [a]
May 16-31	63
June	63
July	63
August	63
September 1–8	63–58 [a]
September 9–30	58
October	56
November	56
December	56

°F = degrees Fahrenheit
Values from NMFS (^2016d).
Model output location is Feather River Low Flow Channel above Thermalito Afterbay.
[a] Indicates a period of transition from the first temperature to the second temperature. Therefore, the average of 60°F was used for the analysis.

Table H1b-65. Water Temperature Index Values for Anadromous Fish in the Feather River High Flow Channel

Month	Temperature (°F)
January	56
February	56
March	56
April	61
May 1–15	64
May 16–31	64
June	64
July	64
August	61
September 1–8	60
September 9–30	56
October	56
November	56
December	56

°F = degrees Fahrenheit
Model output location is Feather River High Flow Channel below Thermalito Afterbay.
Values from NMFS (^2016d).

Table H1b-66. Conversion Values (°F) for 7DADM Water Temperature Index Values to Monthly Mean, Sacramento River

Month	Keswick	Clear Creek	Balls Ferry	Bend Bridge	Red Bluff	Wilkins Slough [a]
January	-0.36	-1.01	-0.75	-0.67	-0.86	0.0
February	-0.28	-1.11	-0.86	-0.62	-0.97	-0.3
March	-0.17	-1.29	-0.94	-0.66	-1.23	-0.3
April	-0.25	-1.66	-1.47	-0.95	-1.55	-0.6
May	-0.36	-1.73	-2.18	-1.59	-1.47	-1.4
June	-0.32	-1.55	-2.25	-1.87	-0.96	-1.2
July	-0.36	-1.41	-2.18	-2.01	-0.90	-1.3
August	-0.43	-1.74	-2.06	-1.61	-0.94	-1.3
September	-0.30	-2.00	-1.76	-1.16	-1.70	-2.0
October	-0.25	-1.73	-1.25	-0.91	-1.83	-1.4
November	-0.38	-1.37	-1.10	-0.99	-1.53	-1.3
December	-0.82	-1.42	-1.30	-1.24	-1.48	-1.0

°F = degrees Fahrenheit

7DADM = 7-day average daily maximum

Based on historical data from 2003-2014 for all sites except Wilkins Slough, which is based on historical data from November 2012 through June 2015. For a given location and month, values in this table were added to 7DADM index values in Table H1b-60 such that actual values used in the evaluation for each month were lower than those listed in Table H1b-60.

[a] Because there is no flow gage at Hamilton City, Wilkins Slough data were used to calculate the conversion values for Hamilton City.

Table H1b-67. Conversion Values (°F) for 7DADM Maximum Water Temperature Index Values to Monthly Mean, American River

Month	Below Nimbus Dam	Watt Avenue
January	-0.44	-1.01
February	-0.15	-1.05
March	-0.25	-1.29
April	-0.40	-1.72
May	-0.60	-2.05
June	-0.44	-2.55
July	-0.50	-3.17
August	-0.70	-3.11
September	-0.59	-2.52
October	-0.60	-2.01
November	-0.80	-1.65
December	-0.77	-1.26

°F = degrees Fahrenheit

7DADM = 7-day average daily maximum

Based on historical data from 2003-2014. For a given location and month, values in this table were added to 7DADM index values in Table H1b-61 such that actual values used in the evaluation were lower than those listed in Table H1b-61.

Table H1b-68. Conversion Values (°F) for 7DADM Water Temperature Index Values to Monthly Mean, Feather and Yuba Rivers

	Feather River			Yuba River			
Month	RM 66.3 (Downstream of Hatchery)	RM 58.7 (Downstream of Afterbay Outlet)	RM 25.5 (Shanghai Bend)	RM 23.1 Smartsville	RM 12.0 Above Daguerre Dam	RM 11.5 Below Daguerre Dam	RM 6.0 Marysville
January	-0.76	-0.52	-0.45	-0.68	-0.97	-0.39	-1.38
February	-0.83	-0.56	-0.58	-0.80	-1.40	-0.96	-1.83
March	-0.93	-0.60	-0.60	-0.89	-1.64	-2.37	-2.24
April	-0.88	-0.78	-1.06	-1.15	-2.34	-2.94	-2.87
May	-1.06	-0.87	-1.34	-0.91	-2.51	-2.56	-3.33
June	-1.10	-1.37	-1.74	-0.82	-2.42	-2.26	-3.85
July	-1.82	-1.41	-1.30	-1.31	-3.55	-2.82	-4.81
August	-2.08	-1.37	-1.04	-1.38	-3.48	-2.99	-4.84
September	-2.16	-1.58	-1.48	-1.65	-3.01	-3.25	-4.33
October	-1.36	-1.20	-1.51	-1.49	-2.65	-2.79	-3.52
November	-0.92	-1.15	-1.45	-1.36	-2.22	-1.96	-2.69
December	-0.94	-0.78	-0.96	-0.89	-1.37	-0.87	-1.67

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum; RM = river mile

Based on historical data from 2002–2014. For a given location and month, values in this table were added to 7DADM index values in Tables H1b-62 and H1b-63 such that actual values used in the evaluation were lower than those listed in Table H1b-62 and H1b-63.

RM 66.3 conversion values were used for both locations in the Low Flow Channel (below Fish Dam and above Thermalito); RM 58.7 conversion values were used for the High Flow Channel below Thermalito Afterbay Outlet; RM 25.5 conversion values were used for the High Flow Channel at Gridley Bridge.

H1b.6.2 Results

The results of the water temperature index value analysis are presented in this section. Results are organized by river and then by fish species/race. Three types of tables are presented within each river section. The first type of table presents a summary of effects by species and life stage. The second type presents results of individual analyses showing, by month and water year type: (1) the difference in percent of days above the index value between each flow scenario and the baseline; and (2) the difference in mean degrees per day above the index value between each flow scenario and the baseline. The third table type presents summaries of the percent of month-water year combinations with favorable and unfavorable results, as defined in Section H1b.6.1, *Methods*, for all index values combined for each species and life stage.

The interpretation and discussion of these results, including the high-level summary tables described in Section H1b.6.1, *Methods*, can be found in Section 13.7.6.2, *Aquatic Biological Resources*. The tables in this section utilize the following abbreviations:

Water Year Type:

- W: wet
- AN: above normal
- BN: below normal
- D: dry
- C: critical

- All: all water year types combined

Months are indicated by a numeric value, 1–12. For example, January is 1 and December is 12.

H1b.6.2.1 Sacramento River

Winter-Run Chinook Salmon

Table H1b-69. Summary of Potential Effects of Flow Scenarios on Winter-Run Chinook Salmon, Sacramento River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
[b] Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Adult Holding						
Favorable	3.3%	3.3%	2.5%	3.3%	1.7%	0.0%
Unfavorable	1.7%	2.5%	1.7%	1.7%	3.3%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	11.2%	7.8%	5.8%	14.9%	10.2%	0.7%
Unfavorable	0.7%	2.0%	3.4%	1.7%	8.1%	0.3%
Fry and Juvenile Rearing and Emigration						
Favorable	6.7%	6.3%	10.0%	11.1%	4.1%	0.0%
Unfavorable	0.7%	2.0%	3.4%	1.7%	8.1%	0.3%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-70. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-0.3	-0.3	-0.6	-0.6	-1.1	-0.3	0.0	0.0	-0.1	-0.1	-0.2	0.0
4	AN	-0.8	-0.8	-2.2	-0.8	-1.9	-0.8	-0.3	-0.3	-0.5	-0.1	-0.5	-0.3
4	BN	-2.0	-1.0	-1.6	-2.0	0.8	-3.5	-0.2	-0.1	-0.1	0.0	-0.3	-0.5
4	D	-2.1	0.8	-1.7	-2.6	-3.0	-4.4	-0.2	-0.1	-0.1	-0.3	-0.2	-0.2
4	C	0.0	-4.8	-5.8	0.8	-7.5	-1.3	0.1	0.2	0.1	0.0	-0.2	0.0
4	All	-1.5	-1.4	-2.0	-1.5	-2.8	-2.0	-0.1	0.0	0.0	-0.1	-0.1	-0.2
5	W	-0.1	1.9	3.4	3.5	9.8	2.7	-0.1	-0.2	-0.3	-0.3	-0.3	-0.1
5	AN	0.5	-0.3	10.2	5.1	15.3	6.2	0.1	0.1	0.2	0.2	0.3	0.1
5	BN	0.0	3.8	7.0	6.1	9.1	0.9	0.1	0.0	0.3	0.2	0.2	0.0
5	D	-0.6	2.3	2.8	2.3	-2.6	-1.9	0.2	0.1	0.1	0.1	0.0	0.0
5	C	-2.0	-1.2	-2.8	-0.4	1.6	2.0	0.3	0.2	0.1	0.2	0.1	0.0
5	All	-0.3	1.5	3.8	3.1	5.7	1.7	0.1	0.0	0.0	0.0	0.0	0.0
6	W	0.0	-0.3	4.0	2.6	6.0	1.7	0.0	0.0	0.0	0.1	-0.1	0.1
6	AN	-4.4	-1.7	5.0	0.3	-1.1	8.1	0.4	0.1	0.0	-0.1	-0.4	0.1
6	BN	-2.2	-1.8	-2.0	-1.4	4.7	2.2	-0.4	-0.1	-0.5	-0.3	-0.3	-0.1
6	D	7.1	12.6	1.4	6.1	1.8	2.7	0.0	0.0	0.1	-0.1	0.1	-0.1
6	C	-0.6	1.5	10.2	-10.4	15.6	-1.0	0.4	0.3	0.3	0.3	0.3	0.0
6	All	0.6	2.6	3.5	0.3	5.0	2.2	0.2	0.1	0.1	0.0	0.1	0.0
7	W	0.0	-0.2	0.5	0.1	0.4	0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0
7	AN	0.0	0.0	1.9	0.0	1.6	0.0	0.0	0.0	0.6	0.0	0.7	0.0
7	BN	0.0	0.0	1.1	0.2	3.4	0.9	0.0	0.0	0.2	0.0	0.3	0.0
7	D	1.3	3.5	10.6	1.8	13.3	3.4	0.0	0.0	0.1	0.0	0.4	0.0
7	C	9.1	14.7	14.5	3.6	28.4	1.0	0.3	0.3	0.3	0.2	0.5	0.0
7	All	2.1	4.0	5.6	1.3	9.4	1.0	0.2	0.2	0.2	0.1	0.3	0.0
8	W	-3.1	-3.1	-3.1	-3.1	-3.1	-2.0	-0.4	-0.4	-0.4	-0.4	-0.4	-0.2
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-19.2	-19.8	-17.3	-21.8	-8.5	-6.3	-1.1	-1.7	-2.3	-1.7	-1.6	0.4
8	All	-4.1	-4.2	-3.8	-4.5	-2.3	-1.6	-0.6	-1.2	-1.9	-1.3	-1.2	0.6
9	W	-2.2	-2.2	-2.3	-2.2	-2.9	-0.1	-0.5	-0.5	-0.6	-0.6	-0.6	-0.4
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.3	-3.2	0.2	-4.2	-5.3	0.0	-0.5	-0.6	-0.3	-0.7	-0.8	0.2
9	D	-7.6	-6.2	-4.4	-9.1	-9.5	1.1	-0.9	-0.6	-0.8	-0.7	-0.9	-0.5
9	C	-29.6	-30.8	-36.5	-39.6	-27.3	0.0	-2.4	-2.7	-3.4	-2.6	0.4	-0.6
9	All	-7.4	-7.7	-7.6	-9.9	-8.4	0.2	-1.8	-2.0	-2.7	-2.1	0.8	-0.5
10	W	0.4	-0.3	-0.6	-0.4	0.8	-0.8	0.0	0.0	0.0	0.0	0.0	0.2
10	AN	-3.8	0.3	0.0	-8.3	6.5	1.1	-2.2	-3.0	-5.2	-1.3	-4.6	-0.7
10	BN	-0.2	0.0	7.2	-3.8	7.4	0.0	-4.9	-4.5	-6.5	-6.4	-3.9	0.2
10	D	-1.9	-1.8	-2.8	-9.1	-8.8	0.0	-1.9	-1.6	-3.9	-4.9	-4.5	-0.9
10	C	-12.1	-14.7	-20.2	-22.8	-17.7	2.2	-2.5	-1.7	0.7	-2.6	2.0	-0.3
10	All	-3.0	-3.9	-3.9	-8.6	-3.1	0.3	-1.9	-1.3	-2.4	-2.0	-1.3	-0.3

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-71. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-1.1	-1.2	-2.6	-3.8	-5.0	-1.2	0.0	0.0	-0.2	-0.2	-0.3	0.0
4	AN	-1.4	-2.5	-6.1	-7.2	-11.1	-10.6	0.0	0.0	-0.1	0.1	-0.1	0.0
4	BN	-0.6	-2.0	-7.3	-7.6	-9.4	-10.2	-0.1	-0.2	-0.1	-0.2	-0.2	-0.4
4	D	-0.9	-4.5	-14.5	-11.5	-28.5	-17.4	0.0	0.0	0.0	-0.1	0.0	-0.1
4	C	-3.1	-9.4	-17.7	-10.4	-26.0	-2.9	-0.1	-0.3	-0.3	0.1	-0.6	-0.1
4	All	-1.4	-3.7	-9.0	-7.8	-16.2	-7.9	0.0	-0.1	-0.1	-0.1	-0.2	-0.1
5	W	0.8	2.5	11.3	12.0	22.0	6.9	-0.1	0.0	-0.1	-0.2	-0.2	0.0
5	AN	3.0	3.0	25.0	17.2	34.4	20.2	0.0	-0.1	0.1	-0.1	0.2	-0.1
5	BN	-2.7	4.7	8.3	10.6	16.1	2.1	0.0	0.0	0.3	0.2	0.1	-0.1
5	D	-1.0	3.5	2.1	2.8	-13.3	-1.3	0.0	0.1	0.0	0.0	0.0	-0.1
5	C	1.6	6.7	0.8	-5.6	-5.4	-1.6	0.0	0.1	0.0	0.0	0.2	0.1
5	All	0.2	3.9	8.6	7.4	9.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0
6	W	1.4	3.0	10.6	8.6	20.4	4.4	-0.1	-0.3	-0.3	-0.4	-0.4	-0.1
6	AN	-4.2	0.3	22.2	11.4	23.1	13.9	-0.3	-0.2	-0.5	-0.6	-0.9	-0.1
6	BN	-2.4	1.6	11.0	7.1	23.5	2.2	-0.2	-0.4	-0.9	-0.5	-0.6	0.0
6	D	7.4	12.4	2.3	4.7	8.8	1.7	0.3	0.4	-0.2	0.2	-0.3	0.1
6	C	12.5	14.8	22.3	7.9	26.3	-1.7	0.1	0.2	0.2	-0.1	0.3	0.0
6	All	3.2	6.4	12.0	7.6	19.4	3.5	0.1	0.0	-0.1	-0.2	-0.2	0.0
7	W	-1.3	-2.0	-1.4	-2.4	0.6	-0.2	0.1	0.2	0.3	0.2	0.1	0.1
7	AN	-1.6	0.3	8.3	0.5	2.7	2.2	-0.2	0.2	1.0	0.3	0.8	0.0
7	BN	0.2	-0.2	0.4	-0.9	9.3	0.4	0.0	0.1	0.4	0.3	0.7	0.4
7	D	-0.6	7.3	18.2	1.5	22.7	1.8	0.1	0.0	0.2	0.2	0.4	0.3
7	C	27.2	31.5	35.5	29.2	37.9	3.0	0.3	0.4	0.4	0.1	0.8	0.0
7	All	4.5	7.0	11.1	5.0	14.3	1.1	0.2	0.2	0.3	0.1	0.5	0.1
8	W	-7.8	-5.9	-5.9	-6.9	-6.6	-1.0	-0.5	-0.4	-0.4	-0.5	-0.5	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.3	7.3	1.9	7.0	-8.1	8.6	0.0	0.0	-0.1	0.0	-0.2	0.1
8	BN	-4.4	-4.4	-3.2	-0.9	-4.2	0.8	0.0	-0.1	0.1	-0.4	-0.7	-0.1
8	D	-9.4	-8.8	-1.2	-4.5	15.7	-5.4	0.0	-0.2	-0.1	-0.1	-0.2	0.0
8	C	-24.2	-25.8	-11.9	-21.8	9.3	-4.2	-1.0	-1.4	-1.5	-1.3	-1.1	-0.2
8	All	-9.2	-7.8	-4.3	-6.0	1.5	-1.0	-0.5	-0.7	-0.7	-0.7	-0.6	-0.2
9	W	-0.6	0.6	1.0	4.1	8.3	-0.4	-0.3	-0.4	-0.5	-0.6	-0.7	-0.1
9	AN	-2.5	7.8	3.1	4.7	20.6	5.8	-0.1	-0.1	-0.2	0.0	0.2	0.2
9	BN	-2.5	-1.7	5.1	3.4	10.6	4.5	-0.2	-0.1	-0.2	-0.2	-0.2	-0.1
9	D	-12.3	-20.3	-27.4	-19.4	-10.2	2.3	-0.5	-0.4	-0.2	-0.5	-0.5	-0.2
9	C	-17.1	-8.1	-11.9	-36.7	-10.8	-1.9	-2.7	-3.0	-3.5	-3.3	-2.0	-0.3
9	All	-6.5	-5.1	-6.5	-7.9	2.9	1.7	-1.1	-1.1	-1.3	-1.3	-1.0	-0.2
10	W	1.0	-0.4	4.7	-3.2	7.7	1.1	0.0	-0.1	-0.3	0.0	-0.2	0.0
10	AN	2.2	6.5	13.4	10.2	21.2	3.0	-2.3	-2.3	-3.7	-3.4	-3.1	-0.5
10	BN	-8.3	-12.3	-4.6	-14.2	-7.2	-9.1	-0.8	-0.4	-0.6	-1.2	1.0	0.6
10	D	-5.9	-7.2	-5.3	-9.5	-10.3	-5.3	-0.5	-0.2	-0.9	-1.3	-1.3	0.1
10	C	-9.5	-3.4	-0.6	-13.7	-7.3	0.0	-2.1	-2.2	-2.3	-3.1	-1.3	0.1
10	All	-3.8	-3.7	1.0	-6.6	0.2	-2.1	-0.9	-0.8	-1.3	-1.5	-0.8	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days during which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-72. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Balls Ferry, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-2.4	-3.6	-4.7	-6.2	-7.9	-2.1	0.0	-0.1	-0.3	-0.3	-0.5	0.0
4	AN	-3.1	-3.1	-8.9	-10.0	-15.6	-14.2	-0.1	-0.1	-0.2	-0.1	-0.4	0.0
4	BN	-3.7	-3.7	-6.1	-8.8	-14.3	-6.9	0.0	-0.2	-0.4	-0.4	-0.5	-0.5
4	D	-1.1	-5.8	-20.3	-12.6	-33.9	-12.6	0.0	-0.1	-0.2	-0.3	-0.3	-0.3
4	C	0.0	-5.6	-15.6	-5.2	-30.4	-3.1	0.0	-0.2	-0.4	-0.1	-0.6	0.0
4	All	-2.0	-4.4	-10.7	-8.4	-20.3	-6.9	0.0	-0.1	-0.3	-0.2	-0.4	-0.2
5	W	0.2	-0.1	2.7	-1.1	9.5	1.6	-0.1	-0.1	0.1	0.1	0.2	0.2
5	AN	0.5	-0.3	5.1	-3.2	4.8	6.2	0.1	0.0	0.4	0.2	0.8	0.4
5	BN	-1.5	0.6	0.0	-1.5	2.7	-4.7	-0.2	0.0	0.1	0.2	0.2	0.0
5	D	3.5	9.5	3.5	8.7	-2.9	-4.8	-0.2	0.0	-0.1	-0.2	-0.5	-0.1
5	C	9.1	10.1	4.0	8.3	-4.4	-7.5	0.2	0.3	0.2	0.1	0.2	0.1
5	All	2.1	3.8	2.9	2.3	2.3	-1.9	-0.1	0.0	0.1	0.1	0.1	0.1
6	W	0.0	-5.7	-15.7	-13.8	-17.8	1.8	-0.1	-0.2	0.1	0.0	0.7	0.1
6	AN	0.8	-15.3	-28.1	-23.6	-18.3	7.5	-0.3	-0.2	1.2	0.4	0.4	0.7
6	BN	-4.5	-2.2	8.2	-1.2	19.2	7.8	-0.1	0.1	0.1	0.3	0.6	0.0
6	D	13.6	26.1	27.4	28.3	37.4	-1.5	0.4	0.4	-0.2	0.1	-0.1	0.2
6	C	17.9	21.7	24.2	21.3	24.0	-1.9	0.6	0.5	0.6	0.1	0.8	0.0
6	All	5.3	5.4	3.3	2.5	8.0	2.2	0.1	0.1	0.2	0.1	0.4	0.2
7	W	2.2	-3.8	-9.7	-2.6	-13.9	1.4	-0.1	-0.1	-0.1	-0.1	0.1	0.0
7	AN	4.8	-0.3	5.6	14.5	12.6	2.7	-0.1	0.0	0.4	-0.1	0.1	0.1
7	BN	4.0	5.5	26.0	12.7	53.7	6.8	-0.1	0.1	0.1	-0.2	0.5	0.0
7	D	8.5	23.6	37.4	1.8	40.9	-6.3	0.1	0.5	0.9	0.3	1.1	0.3
7	C	3.0	4.4	6.3	5.6	6.0	0.2	1.3	1.5	1.6	1.2	2.1	0.2
7	All	4.5	6.0	11.8	4.7	17.0	0.6	0.2	0.4	0.5	0.2	0.7	0.1
8	W	8.1	13.5	21.7	21.8	24.6	0.4	-0.3	-0.2	-0.2	-0.2	-0.3	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.0	1.3	3.0	0.8	1.9	0.5	-0.1	0.1	-0.2	0.2	-0.4	0.2
8	BN	-3.8	-13.1	-15.0	-0.2	6.3	-1.1	-0.1	0.0	0.1	-0.1	-0.4	0.1
8	D	-13.5	-27.9	-3.4	-16.1	2.3	-8.7	-0.1	0.0	0.0	0.1	0.5	-0.1
8	C	-16.5	-12.7	2.6	-3.6	4.0	-1.4	-1.0	-1.3	-1.0	-1.2	-0.2	-0.2
8	All	-4.3	-6.3	3.9	1.8	10.1	-2.4	-0.3	-0.3	-0.3	-0.3	-0.2	0.0
9	W	2.4	3.2	10.0	15.3	24.8	-0.9	-0.3	-0.2	-0.2	-0.3	-0.2	0.0
9	AN	-0.6	-14.7	-7.5	-5.0	21.7	1.1	-0.1	0.4	0.0	0.3	0.7	0.3
9	BN	-4.9	-5.5	7.4	-3.0	8.9	9.1	-0.2	-0.1	-0.2	0.0	-0.1	-0.1
9	D	-5.6	-13.5	-13.6	-10.9	-2.4	0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.2
9	C	-8.3	-3.3	-2.7	-22.5	-4.2	-2.5	-2.6	-2.7	-3.2	-3.2	-2.0	-0.2
9	All	-2.9	-5.8	-0.1	-2.6	10.6	1.2	-0.9	-0.8	-1.0	-1.0	-0.7	-0.1
10	W	-0.8	-1.6	2.8	-2.3	6.9	2.0	0.1	0.0	-0.1	0.0	0.0	0.0
10	AN	2.2	3.5	9.4	8.6	17.5	3.2	-1.6	-1.4	-2.6	-2.4	-2.1	-0.4
10	BN	-5.9	-10.4	0.8	-12.3	-1.5	-8.9	-0.8	-0.5	-0.8	-1.1	0.3	0.5
10	D	-6.0	-6.3	-4.1	-6.6	-2.2	-2.6	-0.4	-0.2	-0.7	-1.1	-1.1	-0.1
10	C	-8.5	-4.0	-2.0	-16.1	-1.4	-2.0	-1.7	-1.8	-1.7	-2.4	-1.1	0.2
10	All	-3.7	-3.9	0.9	-5.9	3.3	-1.4	-0.7	-0.7	-1.0	-1.2	-0.7	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days during which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-73. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Bend Bridge, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-2.8	-4.7	-5.8	-6.7	-9.6	-2.2	0.0	0.0	-0.2	-0.3	-0.4	0.0
4	AN	-3.1	-3.1	-6.4	-8.3	-13.1	-10.3	-0.1	-0.1	-0.3	-0.2	-0.5	-0.2
4	BN	-3.7	-3.9	-9.4	-8.2	-15.7	-7.6	0.0	-0.2	-0.3	-0.5	-0.6	-0.5
4	D	-1.8	-5.0	-18.0	-12.3	-32.7	-12.1	0.0	-0.2	-0.4	-0.4	-0.5	-0.3
4	C	0.6	-4.0	-11.5	-1.2	-24.6	-2.5	0.0	-0.1	-0.4	-0.1	-0.7	0.0
4	All	-2.2	-4.3	-10.1	-7.5	-19.3	-6.4	0.0	-0.1	-0.4	-0.3	-0.5	-0.2
5	W	0.3	1.1	3.5	-0.8	5.5	0.4	-0.1	-0.2	-0.1	-0.2	0.0	0.1
5	AN	0.3	-0.3	1.9	-3.2	2.7	3.0	0.0	-0.1	0.2	-0.2	0.4	0.3
5	BN	0.8	0.4	-2.1	-8.9	-0.8	-4.0	-0.3	-0.1	0.0	0.2	0.0	-0.1
5	D	1.5	4.8	2.1	2.5	-0.7	-6.0	-0.1	0.2	0.0	0.0	-0.4	-0.1
5	C	7.7	6.9	2.8	7.3	-2.4	-3.8	0.6	0.7	0.5	0.4	0.3	0.0
5	All	1.8	2.6	1.9	-0.4	1.3	-2.2	0.0	0.1	0.1	0.0	0.0	0.0
6	W	1.0	-0.3	-2.3	-1.7	-4.3	1.2	-0.2	-0.4	-0.6	-0.6	-0.3	0.1
6	AN	0.3	-3.6	-9.4	-4.2	-11.7	1.7	-0.2	-0.6	-0.1	-0.5	-0.3	0.7
6	BN	-0.8	-8.4	-0.4	-3.7	8.8	1.4	-0.2	0.1	0.2	0.0	0.6	0.2
6	D	3.2	4.4	11.2	11.5	13.3	0.2	0.7	1.1	0.5	0.8	0.8	0.0
6	C	3.8	6.5	8.5	8.1	8.1	-1.5	1.4	1.4	1.4	0.9	1.5	0.0
6	All	1.5	0.0	2.0	2.2	3.1	0.6	0.3	0.3	0.2	0.1	0.4	0.2
7	W	0.0	0.0	0.0	0.0	-0.5	0.0	-0.1	-0.2	-0.3	-0.1	-0.2	0.0
7	AN	2.7	5.6	4.3	7.0	7.3	1.3	0.1	-0.1	0.2	0.3	0.3	0.2
7	BN	3.4	1.5	0.4	7.2	12.7	6.3	0.0	0.2	0.6	0.2	1.5	0.2
7	D	-0.7	-0.9	0.7	-2.9	1.3	0.3	0.3	1.1	1.8	0.2	2.2	0.0
7	C	0.0	0.0	0.0	0.0	0.0	-0.2	1.6	2.0	2.2	1.7	2.6	0.2
7	All	0.8	0.8	0.8	1.4	3.2	1.3	0.3	0.5	0.8	0.3	1.1	0.1
8	W	0.4	1.3	2.3	2.0	2.3	0.3	-0.1	0.1	0.2	0.3	0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.1	0.2	-0.4	0.3
8	BN	-0.2	-6.6	-5.9	-2.5	-1.1	-0.9	-0.1	-0.3	-0.2	-0.1	-0.1	0.1
8	D	-4.7	-6.3	-0.4	-0.9	0.1	0.1	-0.3	-0.4	0.0	-0.2	0.6	-0.3
8	C	-2.0	-0.8	-0.2	-0.4	0.2	-0.2	-1.3	-1.3	-0.5	-0.9	0.3	-0.2
8	All	-1.3	-2.3	-0.5	-0.1	0.6	-0.1	-0.3	-0.3	-0.1	-0.1	0.2	-0.1
9	W	1.3	4.0	5.1	10.4	16.7	-0.9	-0.1	-0.1	0.1	0.2	0.4	0.0
9	AN	1.4	-13.9	-5.6	2.2	20.8	1.4	-0.1	0.2	-0.1	0.1	0.8	0.3
9	BN	-2.5	-3.4	1.5	-1.9	4.5	1.3	-0.2	-0.2	0.0	-0.1	0.0	0.2
9	D	-1.4	-7.0	-4.2	-2.3	0.3	0.2	-0.7	-0.7	-0.8	-0.8	-0.6	-0.2
9	C	-4.0	-1.7	-0.8	-12.1	-1.3	-0.6	-2.4	-2.4	-2.9	-3.1	-1.7	-0.3
9	All	-0.8	-3.0	0.1	0.6	8.3	0.1	-0.7	-0.7	-0.8	-0.8	-0.4	0.0
10	W	1.2	-1.4	3.7	0.1	9.5	3.5	0.0	0.0	-0.1	-0.1	-0.1	0.0
10	AN	1.1	3.2	6.5	5.6	18.8	2.7	-1.2	-1.1	-1.9	-1.6	-1.6	-0.2
10	BN	-3.4	-7.4	1.7	-11.6	0.8	-6.3	-0.8	-0.6	-0.7	-1.0	0.2	0.1
10	D	-4.8	-3.5	-0.9	-3.8	5.1	-0.3	-0.3	-0.2	-0.6	-0.8	-0.8	-0.2
10	C	-3.8	0.0	-4.4	-8.9	3.4	1.0	-1.5	-1.5	-1.2	-2.0	-0.9	0.0
10	All	-1.8	-2.1	1.3	-3.6	7.0	0.4	-0.7	-0.6	-0.8	-1.0	-0.6	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days during which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-74. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Red Bluff Diversion Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-3.3	-4.3	-6.0	-5.9	-9.4	-2.9	0.0	-0.1	-0.2	-0.3	-0.4	0.0
4	AN	-2.8	-2.5	-3.6	-5.3	-7.2	-7.5	-0.1	-0.1	-0.4	-0.3	-0.7	-0.3
4	BN	-3.1	-3.7	-9.4	-7.3	-14.1	-5.7	-0.1	-0.2	-0.4	-0.5	-0.7	-0.5
4	D	-1.2	-2.9	-11.4	-6.4	-22.1	-5.2	0.0	-0.2	-0.7	-0.6	-1.0	-0.5
4	C	-1.0	-2.3	-8.8	-1.9	-19.0	-2.9	0.1	-0.1	-0.5	0.0	-0.8	0.0
4	All	-2.4	-3.3	-7.9	-5.5	-14.4	-4.5	0.0	-0.2	-0.4	-0.3	-0.7	-0.3
5	W	0.1	0.3	2.5	-0.8	4.5	0.1	-0.1	-0.2	-0.1	-0.3	-0.1	0.1
5	AN	0.3	0.0	0.3	-3.0	0.8	0.5	0.0	-0.1	0.2	-0.3	0.3	0.3
5	BN	0.8	-0.8	-2.3	-8.2	-1.1	-4.4	-0.3	-0.1	-0.1	0.0	-0.1	-0.2
5	D	2.1	3.7	1.5	1.9	-0.1	-3.5	-0.1	0.2	0.0	0.0	-0.4	-0.3
5	C	3.4	2.2	0.6	3.2	-1.4	-2.4	0.8	0.9	0.6	0.7	0.3	-0.1
5	All	1.2	1.2	0.8	-1.1	1.0	-1.8	0.0	0.1	0.1	0.0	-0.1	0.0
6	W	0.9	-0.1	-2.1	-1.4	-3.6	1.2	-0.2	-0.5	-0.7	-0.7	-0.4	0.1
6	AN	0.3	-4.7	-8.9	-3.3	-10.0	1.7	-0.2	-0.6	-0.3	-0.7	-0.6	0.7
6	BN	-1.4	-7.8	0.0	-3.5	9.2	0.4	-0.2	0.0	0.1	0.0	0.5	0.3
6	D	2.0	3.9	9.4	9.5	10.8	-0.6	0.7	1.1	0.5	0.9	0.9	0.0
6	C	3.1	6.7	8.3	8.3	8.1	-0.8	1.6	1.5	1.5	1.1	1.6	0.0
6	All	1.0	0.0	1.7	2.0	3.0	0.4	0.3	0.3	0.1	0.1	0.3	0.2
7	W	0.0	0.0	0.0	0.0	-1.0	0.0	-0.1	-0.2	-0.3	-0.2	-0.3	0.0
7	AN	2.4	5.6	4.3	7.3	7.8	0.0	0.1	-0.1	0.2	0.3	0.3	0.3
7	BN	3.0	1.3	1.7	8.2	15.0	7.6	0.1	0.2	0.7	0.2	1.6	0.2
7	D	-0.7	-0.7	1.8	-4.1	2.2	0.1	0.4	1.2	2.0	0.3	2.4	0.0
7	C	0.0	0.0	0.0	0.0	0.0	-0.2	1.8	2.1	2.4	1.9	2.8	0.1
7	All	0.7	0.8	1.2	1.4	3.8	1.3	0.4	0.6	0.9	0.4	1.2	0.1
8	W	0.3	0.8	1.4	1.3	1.5	0.3	0.0	0.2	0.3	0.3	0.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.1	0.2	-0.4	0.3
8	BN	-0.2	-1.3	-3.4	-0.6	-0.4	0.2	-0.1	-0.4	-0.3	-0.1	-0.1	0.1
8	D	-2.1	-3.4	-0.1	-0.1	0.0	0.0	-0.4	-0.5	0.0	-0.2	0.7	-0.3
8	C	-1.0	-0.6	0.0	-0.4	0.4	0.0	-1.2	-1.2	-0.3	-0.7	0.6	-0.2
8	All	-0.6	-0.9	-0.2	0.2	0.5	0.1	-0.3	-0.3	0.0	-0.1	0.3	0.0
9	W	2.3	3.1	3.7	6.3	8.3	0.6	-0.1	0.0	0.2	0.4	0.6	0.0
9	AN	0.6	-5.6	6.1	6.9	9.2	-2.2	-0.1	-0.1	-0.3	0.0	1.1	0.3
9	BN	-0.2	-0.4	0.4	-0.6	0.4	0.0	-0.3	-0.2	0.0	-0.1	0.1	0.2
9	D	0.0	-1.4	-0.3	0.2	0.5	0.2	-0.7	-0.8	-0.8	-0.8	-0.5	-0.2
9	C	-0.6	0.0	0.0	-3.3	0.0	0.0	-2.3	-2.2	-2.6	-3.1	-1.6	-0.3
9	All	0.6	-0.1	1.9	2.2	3.8	-0.1	-0.7	-0.6	-0.7	-0.7	-0.1	0.0
10	W	1.1	0.6	5.2	4.1	7.5	5.7	0.0	-0.1	-0.1	-0.1	0.2	0.0
10	AN	2.4	1.3	0.5	5.9	11.3	2.2	-0.7	-0.5	-0.8	-0.8	-0.4	0.0
10	BN	-2.5	-1.9	4.6	-2.8	9.3	4.7	-0.5	-0.5	-0.5	-0.8	0.0	-0.3
10	D	-2.1	0.7	3.8	0.3	9.4	-0.9	-0.3	-0.3	-0.4	-0.5	-0.4	0.0
10	C	0.0	1.6	2.8	0.4	6.3	1.4	-1.1	-1.0	-1.0	-1.5	-0.6	0.0
10	All	-0.3	0.5	3.8	1.6	8.4	2.9	-0.4	-0.4	-0.5	-0.7	-0.2	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days during which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-75. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 53.5 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	1.9	4.1	12.5	13.3	22.3	6.3	-0.1	0.0	-0.2	-0.2	-0.1	0.0
5	AN	0.8	0.5	22.0	15.6	33.3	16.4	0.1	0.1	0.2	0.1	0.2	0.0
5	BN	-1.3	5.7	9.7	12.0	14.4	1.9	0.0	0.0	0.3	0.2	0.2	0.0
5	D	-0.7	4.5	2.2	0.9	-13.5	-1.2	0.1	0.1	0.1	0.1	0.0	-0.1
5	C	-8.1	-2.2	-6.9	-16.3	-6.3	0.4	0.1	0.0	0.0	0.2	0.1	0.0
5	All	-0.9	3.1	7.6	5.7	8.4	4.1	0.0	0.0	0.1	0.1	0.1	0.0
6	W	1.3	2.6	9.0	7.0	19.2	4.1	-0.1	-0.2	0.0	-0.1	-0.2	0.0
6	AN	-4.7	-0.3	19.2	8.9	20.8	11.4	-0.1	-0.1	-0.4	-0.5	-0.7	0.0
6	BN	-2.4	1.6	9.4	6.9	21.2	2.2	-0.3	-0.4	-0.7	-0.5	-0.6	0.0
6	D	6.4	12.0	-0.8	3.5	0.6	1.7	0.2	0.3	-0.1	0.1	-0.1	0.1
6	C	4.0	7.9	14.8	0.4	19.4	-2.5	0.1	0.1	0.2	-0.2	0.3	0.0
6	All	1.5	5.0	9.0	5.3	15.3	2.9	0.0	0.0	0.0	-0.1	-0.1	0.0
7	W	-0.4	-0.4	0.3	-1.2	1.6	0.2	0.1	0.0	0.1	0.1	0.0	0.0
7	AN	-1.3	0.3	8.3	0.5	1.9	0.3	-0.8	0.2	0.5	0.1	0.6	0.2
7	BN	0.4	0.2	1.3	0.0	7.6	1.1	0.0	0.0	0.4	0.1	0.5	0.3
7	D	-1.9	5.1	12.8	2.1	14.7	2.6	0.2	0.0	0.3	0.1	0.5	0.3
7	C	27.8	29.4	34.9	23.8	37.1	4.6	-0.2	0.0	-0.1	-0.3	0.4	-0.1
7	All	4.7	6.7	10.2	4.7	12.2	1.5	-0.1	0.0	0.0	-0.1	0.3	0.0
8	W	-2.3	-1.8	-1.7	-2.6	-2.7	-0.1	-1.4	-1.4	-1.5	-1.4	-1.5	-0.4
8	AN	-0.5	0.5	-0.5	1.1	-0.5	3.0	0.0	0.0	0.0	0.0	0.0	0.2
8	BN	-0.9	-1.5	-0.4	-5.5	-12.0	-0.8	0.0	-0.1	0.0	0.1	-0.6	0.0
8	D	-5.6	-6.3	-3.2	-3.8	-2.8	-3.1	0.1	0.0	0.0	-0.1	-0.1	-0.1
8	C	-20.0	-28.4	-25.8	-22.6	-10.5	-9.9	-1.3	-1.2	-1.6	-1.7	-1.2	0.2
8	All	-5.4	-6.8	-5.6	-6.2	-5.3	-2.1	-0.8	-0.9	-1.0	-1.1	-0.6	0.0
9	W	-0.4	0.0	-0.4	-0.6	0.7	-0.7	-0.5	-0.5	-0.5	-0.5	-0.7	-0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	-1.9	0.0	-2.2	1.7	10.0	3.9	0.0	0.0	-0.1	0.2	0.5	0.1
9	BN	-8.0	1.1	-4.4	-5.9	2.1	-2.5	-0.1	-0.2	0.1	0.1	-0.2	0.0
9	D	-12.0	-14.4	-8.3	-13.3	-16.8	-2.0	-0.6	-0.4	-0.3	-0.6	-0.4	-0.2
9	C	-39.0	-33.1	-52.7	-62.1	-42.9	-4.2	-2.1	-2.6	-2.6	-2.2	-0.2	-0.2
9	All	-10.9	-8.4	-11.7	-14.1	-9.0	-1.3	-1.2	-1.4	-1.5	-1.5	-0.8	-0.2
10	W	-0.3	-2.3	2.4	-6.1	5.4	0.2	0.1	0.0	-0.2	0.4	-0.1	0.0
10	AN	0.8	4.8	11.3	8.1	23.4	3.2	-2.5	-2.5	-4.2	-3.9	-3.8	-0.8
10	BN	-8.9	-11.2	-3.0	-10.6	-6.3	-7.2	-0.8	-0.4	-0.7	-1.6	1.3	0.7
10	D	-4.8	-3.5	-1.5	-6.7	-10.3	-4.5	-0.7	-0.5	-1.3	-1.7	-1.6	0.0
10	C	-10.7	-7.5	-1.2	-17.1	-6.3	1.2	-2.3	-2.5	-2.9	-3.6	-1.7	-0.1
10	All	-4.4	-4.0	0.8	-7.4	-0.1	-1.6	-1.0	-1.0	-1.5	-1.7	-1.0	0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-76. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 53.5 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.4	2.2	10.2	10.5	22.0	6.8	0.0	0.0	-0.1	-0.1	-0.1	0.0
5	AN	2.4	2.2	23.4	16.9	35.2	20.2	0.0	0.0	0.2	0.0	0.2	0.0
5	BN	-3.0	4.2	7.8	10.2	16.1	1.7	0.0	0.1	0.3	0.2	0.1	-0.1
5	D	-0.4	3.8	2.5	2.2	-13.0	-1.0	0.0	0.1	0.0	0.0	-0.1	-0.1
5	C	4.0	7.3	0.8	-4.0	-5.0	-2.4	0.0	0.0	0.0	-0.1	0.2	0.1
5	All	0.5	3.7	8.0	6.9	9.3	4.2	0.0	0.1	0.1	0.0	0.1	0.0
6	W	1.4	2.9	10.7	8.8	22.1	4.9	-0.1	-0.3	-0.3	-0.3	-0.4	-0.2
6	AN	-4.4	-0.3	24.7	11.1	26.1	16.4	-0.3	-0.1	-0.5	-0.5	-0.8	-0.2
6	BN	-2.4	2.0	11.4	7.6	26.1	2.4	-0.2	-0.4	-0.8	-0.5	-0.7	0.0
6	D	8.5	12.7	3.8	6.4	13.0	1.5	0.2	0.4	-0.3	0.1	-0.5	0.1
6	C	15.4	18.5	21.7	9.0	25.8	-3.1	0.0	0.1	0.3	-0.1	0.4	0.1
6	All	3.9	7.1	12.7	8.3	21.6	3.7	0.0	0.0	-0.1	-0.2	-0.2	0.0
7	W	-1.8	-2.6	-2.4	-2.0	-0.1	-0.1	0.1	0.2	0.3	0.0	0.2	0.0
7	AN	0.3	0.5	9.7	1.6	5.9	3.2	-0.3	0.1	0.8	0.0	0.3	0.0
7	BN	-0.2	-0.2	0.2	-0.9	12.7	0.2	0.2	0.0	0.4	0.2	0.5	0.4
7	D	0.4	13.0	28.6	2.2	38.0	0.3	0.0	-0.2	-0.1	0.2	-0.1	0.5
7	C	26.0	29.4	33.7	29.0	34.9	6.5	0.4	0.5	0.5	0.2	1.0	-0.1
7	All	4.5	7.7	13.0	5.2	17.8	1.4	0.2	0.2	0.3	0.1	0.4	0.1
8	W	-8.1	-6.6	-7.2	-7.0	-7.2	-0.8	-0.5	-0.4	-0.3	-0.5	-0.5	-0.1
8	AN	-5.1	8.9	-4.8	4.3	-12.9	11.3	0.1	0.0	0.0	0.0	-0.1	0.1
8	BN	-5.1	-5.1	-2.8	0.8	-2.1	3.0	0.0	0.0	0.0	-0.4	-0.7	-0.2
8	D	-5.1	-3.5	1.9	-1.9	20.4	-5.0	-0.2	-0.3	-0.2	-0.2	-0.2	-0.1
8	C	-23.4	-23.2	-6.0	-18.5	10.3	-2.6	-1.1	-1.5	-1.6	-1.4	-1.1	-0.3
8	All	-9.0	-6.3	-3.9	-4.9	2.4	0.1	-0.5	-0.7	-0.6	-0.7	-0.5	-0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-0.4	0.1	-0.9	3.2	6.2	-0.3	-0.4	-0.4	-0.4	-0.6	-0.7	-0.2
9	AN	-3.9	7.2	2.2	3.9	17.5	5.0	-0.1	-0.1	-0.1	0.0	0.3	0.2
9	BN	-2.3	-2.8	3.8	2.8	9.3	1.9	-0.2	-0.1	-0.2	-0.2	-0.2	-0.1
9	D	-14.2	-22.1	-29.7	-24.1	-13.8	0.8	-0.4	-0.3	-0.1	-0.4	-0.5	-0.2
9	C	-18.8	-10.0	-14.6	-38.5	-15.0	-2.3	-2.6	-2.9	-3.5	-3.2	-1.9	-0.2
9	All	-7.3	-6.3	-8.4	-9.8	0.1	0.7	-1.1	-1.1	-1.2	-1.3	-1.0	-0.2
10	W	1.2	0.1	5.9	-2.0	7.4	0.9	0.0	-0.1	-0.3	-0.1	-0.1	0.0
10	AN	3.2	5.6	12.1	9.9	20.4	1.3	-2.1	-1.9	-3.2	-3.0	-2.6	-0.2
10	BN	-8.0	-12.5	-3.8	-15.2	-6.3	-8.5	-0.8	-0.5	-0.6	-1.2	0.8	0.4
10	D	-5.9	-8.2	-4.1	-9.4	-9.2	-3.8	-0.5	-0.2	-0.9	-1.3	-1.3	-0.1
10	C	-7.7	-1.4	0.8	-12.1	-4.6	1.4	-2.1	-2.2	-2.2	-3.0	-1.4	0.0
10	All	-3.2	-3.5	1.8	-6.1	0.9	-1.7	-0.9	-0.8	-1.2	-1.4	-0.8	0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-77. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	-0.6	-0.5	-1.1	-1.4	0.1	0.5	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1
5	AN	0.3	0.3	5.1	3.0	7.5	1.9	-0.1	-0.2	-0.2	-0.2	-0.1	-0.2
5	BN	0.4	0.4	3.2	2.1	4.2	0.4	0.2	0.1	0.4	0.5	0.2	-0.1
5	D	1.6	2.3	1.2	1.3	-2.1	-0.6	0.2	0.0	0.1	0.1	0.0	0.1
5	C	1.2	1.0	0.0	0.6	0.6	0.8	0.2	0.0	0.0	0.3	0.0	0.0
5	All	0.6	0.7	1.1	0.8	1.2	0.5	0.0	-0.1	0.0	0.0	0.0	-0.1
6	W	0.1	0.1	0.9	1.0	0.7	0.9	-0.1	-0.1	0.1	0.0	0.2	-0.1
6	AN	0.3	0.6	0.8	1.1	-1.1	3.6	-0.3	-0.2	-0.2	-0.3	-0.5	-0.1
6	BN	-2.4	-1.6	-2.4	-2.0	-2.4	-1.0	-0.6	0.2	-0.6	-0.1	-0.6	0.1
6	D	0.9	1.1	0.6	-0.2	0.6	-0.3	0.1	0.1	0.1	0.1	0.1	0.1
6	C	11.7	7.1	11.0	2.1	16.7	-1.3	0.3	0.4	0.3	0.5	0.2	0.0
6	All	2.0	1.5	2.1	0.5	2.5	0.2	0.0	0.0	0.0	0.1	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.7	0.7	3.4	0.4	7.6	1.0	0.0	-0.1	0.0	-0.1	0.1	0.0
7	C	12.7	18.8	18.1	8.1	32.1	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0
7	All	2.2	3.5	3.9	1.4	7.3	0.2	-0.2	-0.2	-0.2	-0.2	-0.1	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-10.3	-11.1	-12.5	-8.1	-2.0	-3.6	-1.3	-2.5	-4.7	-4.3	-3.7	1.3
8	All	-1.7	-1.8	-2.0	-1.3	-0.3	-0.6	-1.3	-2.5	-4.7	-4.3	-3.7	1.3
9	W	-3.6	-3.6	-3.7	-3.7	-3.9	-1.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.9	-1.9	-1.7	-1.9	-1.9	0.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.1
9	D	-4.2	-3.5	-3.6	-4.5	-4.8	-1.1	-1.4	-1.2	-1.3	-1.6	-1.6	-0.8
9	C	-32.5	-32.7	-35.8	-37.7	-24.6	-2.1	-1.1	-1.8	-3.0	-1.9	0.4	-0.4
9	All	-7.7	-7.6	-8.1	-8.6	-6.6	-1.0	-0.8	-1.4	-2.4	-1.6	1.1	-0.2
10	W	0.0	-0.1	-0.1	-0.1	0.6	0.4	-0.1	0.0	-0.1	-0.1	-0.2	-0.2
10	AN	-6.5	-2.4	-2.7	-8.3	-2.7	0.0	-0.7	-2.1	-4.8	-1.3	-2.6	-0.2
10	BN	-1.1	-0.2	0.0	-4.4	1.3	0.0	-4.4	-4.4	-5.7	-6.1	-1.1	0.2
10	D	-1.6	-1.2	-6.2	-10.1	-9.8	-0.1	-2.2	-1.9	-3.6	-4.6	-4.1	-0.9
10	C	-13.3	-12.9	-15.9	-19.4	-15.5	1.6	-2.4	-1.9	-0.1	-3.0	3.1	-0.4
10	All	-4.0	-3.7	-5.4	-8.3	-5.4	0.4	-1.7	-1.5	-2.3	-1.5	-0.2	-0.4

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-78. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	-0.3	1.7	1.4	1.4	4.3	2.7	-0.1	-0.3	-0.3	-0.4	-0.4	-0.1
5	AN	1.3	0.5	9.7	5.4	9.7	4.8	0.0	-0.1	0.0	0.0	0.2	0.0
5	BN	0.2	1.3	4.9	3.6	4.7	-1.7	0.0	0.0	0.3	0.2	0.2	0.0
5	D	-0.7	3.2	1.3	1.6	-2.9	-2.3	0.0	-0.1	-0.1	-0.1	-0.1	0.0
5	C	2.0	3.2	3.0	1.0	5.2	0.0	0.2	0.2	0.1	0.1	0.2	0.0
5	All	0.4	2.0	3.3	2.2	3.1	0.7	0.0	-0.1	-0.1	-0.1	0.0	0.0
6	W	-0.1	-1.3	2.2	1.2	3.1	1.3	0.0	0.1	0.0	0.0	-0.1	0.0
6	AN	-3.6	-2.5	6.7	-0.6	-1.7	8.6	0.0	0.1	0.0	0.0	-0.2	0.2
6	BN	-2.0	-1.4	-1.2	-0.8	4.7	2.4	-0.3	-0.1	-0.5	-0.2	-0.2	0.0
6	D	7.4	12.7	1.8	7.3	2.6	2.9	0.0	0.0	0.1	-0.1	0.0	-0.1
6	C	4.4	8.5	13.5	-3.3	20.0	-0.4	0.6	0.4	0.5	0.3	0.5	-0.1
6	All	1.6	3.4	4.0	1.3	5.0	2.3	0.2	0.2	0.2	0.1	0.2	0.0
7	W	0.2	-0.1	0.6	-0.1	0.6	0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
7	AN	0.0	0.0	2.2	0.0	1.9	0.0	0.0	0.0	0.6	0.0	0.9	0.0
7	BN	0.0	0.0	0.4	0.0	6.1	0.9	0.0	0.0	0.0	0.0	0.4	0.2
7	D	1.2	3.4	11.6	1.9	14.7	3.5	0.2	0.3	0.3	0.1	0.5	0.0
7	C	15.1	20.2	24.4	11.3	35.9	1.6	0.4	0.5	0.4	0.3	0.7	0.0
7	All	3.0	4.9	7.4	2.4	11.5	1.2	0.3	0.3	0.3	0.2	0.5	0.0
8	W	-3.2	-3.2	-3.2	-3.2	-3.2	-1.0	-0.7	-0.7	-0.7	-0.7	-0.7	-0.4
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	-0.1	-0.1	0.0	-0.1	0.4	-0.1	0.0	0.0	0.0	0.0	0.3	0.0
8	C	-19.2	-20.4	-17.3	-22.6	-8.7	-7.5	-1.0	-1.4	-2.0	-1.3	-1.3	0.5
8	All	-4.1	-4.3	-3.8	-4.7	-2.3	-1.5	-0.6	-1.1	-1.7	-1.0	-1.0	0.4
9	W	-2.4	-2.2	-2.2	-2.2	-3.2	-0.1	-0.6	-0.6	-0.7	-0.7	-0.7	-0.4

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.9	-3.8	-0.6	-3.0	-4.9	0.0	-0.5	-0.4	-0.3	-0.6	-0.5	0.3
9	D	-8.3	-6.7	-4.7	-9.2	-8.3	0.0	-0.8	-0.5	-0.7	-0.6	-0.9	-0.4
9	C	-34.2	-36.5	-39.8	-43.8	-30.8	-1.9	-1.8	-1.9	-2.9	-1.9	0.7	-0.4
9	All	-8.5	-8.8	-8.3	-10.4	-8.7	-0.3	-1.5	-1.6	-2.4	-1.9	0.5	-0.4
10	W	0.1	-0.1	-0.1	-0.1	1.2	0.6	-0.1	0.0	0.0	0.0	-0.3	-0.2
10	AN	-5.9	-0.5	-1.6	-8.3	1.3	1.6	-1.0	-2.6	-4.7	-1.2	-3.5	-0.7
10	BN	-0.8	0.0	1.3	-4.2	3.4	0.0	-4.4	-4.3	-5.7	-6.0	-2.2	0.2
10	D	-1.3	-1.2	-5.1	-9.1	-9.4	-0.1	-2.1	-1.8	-3.6	-4.3	-4.3	-0.8
10	C	-12.1	-14.7	-17.9	-21.0	-15.9	2.0	-2.5	-1.6	0.4	-2.8	1.9	-0.3
10	All	-3.4	-3.8	-5.1	-8.2	-4.2	0.7	-1.9	-1.4	-2.2	-1.7	-0.8	-0.4

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-79. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-19.2	-19.4	-24.4	-21.5	-9.2	-4.6	0.0	-0.9	-2.9	-2.8	-1.2	0.2
9	All	-3.1	-3.2	-4.0	-3.5	-1.5	-0.7	0.0	-0.9	-2.9	-2.8	-1.2	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.3	-7.3	-14.2	-8.1	-7.3	0.3	0.4	0.4	-2.3	-1.4	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	0.0	-2.1	-2.1	-2.1	-2.1	0.2	0.2
10	D	-4.1	-4.1	-4.1	-4.1	-4.1	-0.3	-2.0	-2.0	-2.0	-2.0	-2.0	-1.2
10	C	-9.3	-9.3	-7.3	-9.3	-3.0	-0.8	-1.9	-1.9	-1.7	-1.9	1.0	0.0
10	All	-5.4	-5.4	-5.9	-5.5	-3.3	-0.2	1.1	1.0	-1.6	-0.7	0.6	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	-1.1	-0.8	-1.9	-0.6	-0.8	0.3	-0.5	-0.6	-0.8	-0.4	-0.6	0.0
11	BN	0.2	0.2	-0.4	-0.4	0.0	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5
11	All	-0.5	-0.4	-0.7	-0.5	-0.4	0.2	-0.2	-0.2	-0.3	0.0	-0.1	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-80. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River below Clear Creek, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.3
7	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.3
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.8	-7.3	-8.9	-8.9	-7.1	-0.2	-2.8	-3.7	-4.9	-4.9	-4.1	0.1
8	All	-1.0	-1.2	-1.4	-1.4	-1.2	0.0	-2.8	-3.7	-4.9	-4.9	-4.1	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
9	C	-28.3	-29.2	-30.0	-29.6	-16.7	-4.2	0.8	0.4	-2.7	-1.9	-0.2	-0.1
9	All	-4.9	-5.0	-5.2	-5.1	-3.0	-0.9	0.9	0.6	-2.5	-1.8	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-8.3	-8.3	-11.3	-8.3	-8.3	0.0	0.6	0.5	-2.8	-1.2	-0.3	-0.2
10	BN	-4.4	-4.0	-5.7	-5.9	0.0	0.0	-2.9	-2.9	-3.5	-3.5	0.2	0.2
10	D	-4.1	-3.2	-7.3	-7.3	-7.3	-1.0	-2.0	-1.9	-2.3	-2.3	-2.3	-0.7
10	C	-12.5	-9.5	-6.5	-12.7	-6.5	0.0	-2.7	-2.0	-1.6	-2.7	1.8	-0.2
10	All	-5.8	-5.0	-6.1	-6.8	-4.7	-0.2	-0.3	-0.7	-1.6	-0.1	1.2	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	-1.4	-1.4	-1.4	-1.1	-1.1	0.0	-0.2	0.0	-0.3	0.0	-0.2	0.1
11	BN	2.0	2.0	0.8	1.6	1.4	2.0	-0.5	-0.5	-0.7	-0.8	-0.4	-0.4
11	D	-0.6	-0.3	-1.2	-1.2	-1.2	-0.2	-0.3	-0.1	-0.3	-0.3	-0.3	0.2
11	C	-2.9	-2.5	-2.7	-2.9	-2.1	1.9	-0.4	-0.4	0.6	-0.4	0.3	-0.1
11	All	-0.9	-0.8	-1.2	-1.1	-1.0	0.6	0.1	0.1	0.1	0.1	0.3	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-81. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-1.0	-1.1	-0.4	-0.4	-0.8	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1
7	AN	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.9	0.9	2.9	0.0	4.8	0.0	0.2	0.2	0.2	0.0	0.4	0.0
7	C	13.7	18.8	19.8	10.7	33.3	-0.6	-0.5	-0.3	-0.5	-0.4	-0.3	0.4
7	All	2.1	3.3	3.9	1.6	6.6	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2
9	W	-2.0	-2.0	-2.0	-2.0	-2.0	-0.4	-1.2	-1.2	-1.2	-1.2	-1.2	-0.2
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.1	-1.1	-0.9	-1.1	-1.1	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.3
9	D	-5.3	-5.2	-5.2	-5.3	-5.3	-3.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
9	C	-30.2	-31.0	-31.7	-31.3	-18.5	-4.6	1.0	0.7	-2.2	-1.6	0.1	-0.1
9	All	-6.9	-7.0	-7.1	-7.1	-5.0	-1.6	1.8	1.4	-1.5	-0.7	1.0	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.8	-7.8	-12.4	-7.8	-7.8	0.3	0.6	0.5	-2.3	-1.1	-0.3	-0.2
10	BN	-4.9	-4.7	-5.9	-5.9	0.0	0.0	-2.4	-2.4	-2.6	-2.6	0.3	0.1
10	D	-5.9	-5.1	-5.9	-5.9	-5.9	-1.6	-1.8	-1.6	-1.8	-1.8	-1.8	-0.5
10	C	-11.5	-9.5	-5.8	-11.5	-5.2	0.0	-2.2	-1.8	-1.5	-2.2	1.4	-0.2
10	All	-6.0	-5.5	-5.8	-6.2	-4.1	-0.3	1.1	0.2	-1.3	-0.1	1.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	-1.9	-1.9	-1.9	-1.1	-1.1	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	-0.1
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.8	-0.8	-0.8	-0.6	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
11	All	-0.6	-0.6	-0.6	-0.5	-0.5	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-82. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Bend Bridge, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-1.8	-1.6	-1.3	-2.3	-1.1	0.1	-0.1	-0.2	-0.1	-0.1	-0.1	0.0
7	AN	-0.3	-0.3	1.9	-0.5	3.8	1.1	-0.3	-0.3	0.6	-0.3	0.4	0.0
7	BN	0.0	0.0	0.0	0.0	6.1	0.2	0.0	0.0	0.0	0.0	0.9	0.0
7	D	2.9	6.5	12.0	3.2	17.9	2.3	0.5	0.3	0.4	0.0	0.7	0.0
7	C	30.0	35.3	43.1	28.2	50.6	2.6	0.6	0.7	0.6	0.6	1.0	-0.1
7	All	4.9	7.6	9.9	4.5	14.4	1.1	0.3	0.3	0.3	0.3	0.5	-0.1
8	W	-4.2	-4.0	-4.0	-4.1	-4.0	-0.8	-1.5	-1.0	-1.0	-1.5	-1.5	-0.1
8	AN	0.0	0.0	-0.5	0.5	-0.3	0.0	0.0	0.0	-0.5	-0.3	-0.5	0.0
8	BN	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	-0.1	-0.1	0.0	-0.1	1.0	-0.1	-1.0	-1.0	-1.0	-1.0	-0.8	-1.0
8	C	-9.1	-8.9	-5.0	-8.7	5.8	-3.2	-1.6	-2.4	-2.8	-2.2	-2.4	0.8
8	All	-2.8	-2.6	-2.1	-2.6	0.0	-0.8	-0.9	-1.8	-2.1	-1.6	-1.8	0.5
9	W	-1.7	-1.7	-1.7	-1.6	-2.1	-0.3	-1.7	-1.7	-1.7	-1.6	-1.5	-0.2
9	AN	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.5
9	BN	-1.3	-1.7	-1.1	-1.9	-1.9	0.4	-0.7	-0.8	-0.6	-0.6	-0.6	0.3
9	D	-8.3	-8.2	-8.2	-8.6	-8.5	-4.5	-0.6	-0.2	-0.2	-0.4	-0.7	-0.1
9	C	-33.3	-34.0	-34.2	-32.7	-19.4	-3.8	1.2	0.9	-1.8	-1.5	0.1	-0.1
9	All	-8.1	-8.2	-8.1	-8.1	-6.0	-1.6	0.4	0.2	-1.5	-1.2	0.5	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-6.5	-6.5	-11.6	-6.5	-6.5	0.5	0.3	0.1	-2.3	-1.3	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	-0.8	-1.9	-1.9	-1.9	-1.9	0.3	0.3
10	D	-4.1	-3.8	-4.4	-4.4	-4.4	-0.6	-1.1	-1.1	-1.6	-1.6	-1.6	-0.8
10	C	-9.1	-7.3	-4.4	-9.1	-2.8	-0.4	-2.3	-2.0	-1.5	-2.3	0.8	0.0
10	All	-5.2	-4.9	-5.2	-5.3	-3.3	-0.3	1.2	0.4	-1.2	-0.3	0.7	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-83. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-1.8	-2.2	-1.8	-2.3	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
7	AN	-0.3	0.0	2.2	0.0	4.6	1.9	-0.1	-0.1	0.3	-0.1	0.3	0.1
7	BN	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	D	3.2	7.5	13.8	3.4	20.4	2.2	0.5	0.3	0.4	0.0	0.6	0.0
7	C	33.3	40.3	48.2	34.5	52.0	1.8	0.8	0.8	0.8	0.7	1.1	-0.1
7	All	5.5	8.5	11.0	5.7	15.4	0.9	0.4	0.4	0.4	0.3	0.5	-0.1
8	W	-6.2	-5.6	-5.3	-5.6	-5.5	-0.6	-1.1	-1.0	-1.0	-1.0	-1.1	-0.2
8	AN	0.3	2.7	-0.3	3.8	-0.3	3.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.1
8	BN	-0.4	-0.2	-0.4	0.0	-0.4	0.4	-0.3	0.2	-0.3	0.3	0.7	-0.1
8	D	0.1	-0.1	0.7	-0.3	5.4	-0.3	-0.5	0.5	-0.1	-0.5	-0.1	-0.5
8	C	-11.3	-12.7	-2.8	-10.9	10.1	-4.6	-1.1	-1.3	-1.6	-1.2	-1.3	0.6
8	All	-3.8	-3.5	-2.0	-3.1	1.2	-0.5	-0.9	-1.1	-1.2	-1.0	-1.0	0.0
9	W	-1.3	-1.2	-1.1	-0.9	0.4	-0.2	-1.0	-1.0	-1.0	-1.1	-1.3	-0.1
9	AN	-0.6	0.6	-0.6	0.8	8.9	6.9	0.0	0.3	0.0	0.2	0.7	0.7
9	BN	-4.7	-3.2	-1.3	0.0	-2.5	1.5	-0.2	-0.3	-0.3	-0.4	-0.5	0.1
9	D	-17.1	-16.8	-14.8	-17.1	-13.8	-2.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.3
9	C	-37.5	-40.4	-46.0	-46.3	-31.3	-2.7	-1.2	-1.2	-1.8	-1.5	0.0	-0.2
9	All	-11.3	-11.3	-11.5	-11.6	-7.4	0.0	-0.9	-1.0	-1.3	-1.3	-0.5	-0.2
10	W	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	-0.1	-0.1	-0.1	0.2
10	AN	-8.1	-8.3	-9.9	-8.9	-7.0	0.8	0.3	0.3	-2.5	-0.9	-0.7	-0.1
10	BN	-4.7	-3.8	-5.9	-5.9	0.0	0.0	-2.3	-2.4	-2.8	-2.8	0.3	0.0
10	D	-4.5	-3.7	-5.4	-4.7	-4.4	-1.0	-1.2	-1.2	-1.5	-1.3	-1.6	-0.5
10	C	-14.5	-9.9	-8.9	-15.3	-6.9	1.8	-2.0	-1.3	-0.7	-2.3	0.9	-0.3
10	All	-6.1	-5.1	-5.9	-6.6	-3.9	0.2	0.0	-0.5	-1.1	-0.3	0.4	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	-0.6	-0.6	-0.8	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.6	-0.8	-0.8	-0.8	-0.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.2
11	All	-0.3	-0.3	-0.3	-0.3	-0.3	0.1	-0.3	-0.3	-0.3	-0.3	0.2	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-84. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Wilkins Slough, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.7	-0.3	-1.0	0.0
7	AN	1.1	1.1	1.1	1.1	1.1	1.1	0.4	0.0	0.1	0.9	0.4	0.4
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.8	2.4	0.5
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	2.5	0.3	3.1	-0.3
7	C	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.8	3.0	3.0	2.9	0.1
7	All	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.8	0.9	0.7	1.3	0.1
8	W	0.0	0.3	0.8	0.6	1.0	-0.1	-0.1	0.3	0.5	0.6	0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.2	0.4	-0.8	0.5
8	BN	0.0	-0.2	0.0	0.0	-0.4	0.0	-0.2	-0.7	-0.6	-0.2	-0.4	0.1
8	D	-0.1	0.0	0.0	0.0	0.0	0.0	-0.7	-1.0	-0.2	-0.4	1.2	-0.6
8	C	-0.4	-0.2	0.2	-0.2	0.2	-0.2	-1.1	-1.0	0.8	0.2	1.5	0.0
8	All	-0.1	0.0	0.3	0.2	0.3	-0.1	-0.4	-0.4	0.1	0.2	0.4	-0.1
9	W	0.3	3.0	5.7	9.4	15.1	-0.2	-0.1	0.1	0.3	0.5	0.6	0.0
9	AN	-1.9	-8.9	0.8	4.2	17.5	-0.3	-0.1	-0.2	-0.3	0.0	0.8	0.4
9	BN	-0.6	-0.4	0.4	-0.8	0.2	0.9	-0.3	-0.4	-0.2	-0.1	-0.2	0.3
9	D	-0.6	-2.1	-1.8	-0.8	-0.5	-0.3	-0.8	-1.0	-1.0	-0.9	-0.7	-0.4
9	C	-1.7	-0.8	-1.0	-3.5	-0.8	-0.2	-1.3	-1.2	-1.3	-1.8	-0.6	-0.2
9	All	-0.6	-0.9	1.3	2.5	6.6	0.0	-0.6	-0.6	-0.5	-0.5	-0.2	0.0
10	W	-0.6	-1.4	-2.4	-1.3	-0.4	0.6	-0.1	-0.2	-0.1	-0.2	0.1	0.0
10	AN	-5.9	-5.1	-5.6	-3.8	0.5	-0.3	-0.4	-0.4	-1.1	-0.8	-0.8	0.0
10	BN	-4.0	-3.4	-2.7	-3.8	3.6	-1.1	-0.6	-0.5	-0.5	-0.7	0.2	0.1
10	D	-2.5	-1.3	-0.6	-0.6	1.6	-1.0	-0.2	-0.1	0.2	0.3	0.3	0.1
10	C	-9.9	-6.7	-4.2	-10.9	-3.6	-1.0	-0.8	-0.6	-0.2	-0.6	0.2	0.0
10	All	-4.0	-3.3	-3.0	-3.8	0.0	-0.4	-0.4	-0.4	-0.3	-0.4	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
3	All	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-85. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Adult Immigration, Sacramento River below Keswick, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	C	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-86. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Adult Immigration, Sacramento River at Bend Bridge, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	--	--	--	--	--	--	--	--	--	--	--	--
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.2	-3.2	-3.2	-3.2	-3.2	-0.2	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-1.1	-1.1	-1.1	-1.1	-1.1	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-87. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Adult Immigration, Sacramento River at Red Bluff Diversion Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-2.8	-2.8	-2.8	-2.8	-2.8	0.2	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.9	-0.9	-0.9	-0.9	-0.9	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-88. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Adult Holding, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-89. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Adult Holding, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-0.2	-0.2	-0.5	-0.6	-0.6	-0.6	0.1	0.1	-0.3	-0.3	-0.3	-0.3
4	C	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
4	All	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.1	0.0	-0.3	0.2	-0.3	-0.3
5	W	-0.9	-0.4	-1.8	-2.2	-2.6	0.8	-0.1	-0.3	-0.3	-0.4	-0.5	0.0
5	AN	0.0	-0.3	1.1	-0.5	2.2	-0.8	0.0	-0.2	0.0	-0.5	-0.3	-0.5

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	-0.2	0.0	1.3	1.3	0.6	0.2	0.0	0.0	0.4	0.9	0.3	0.0
5	D	-0.7	-1.3	-1.6	-1.9	-2.1	-0.1	-0.3	-0.6	-0.4	-0.4	-0.7	-0.1
5	C	1.0	1.6	1.4	1.2	1.6	0.2	-0.3	-0.4	-0.4	-0.8	-0.7	-0.3
5	All	-0.3	-0.2	-0.3	-0.8	-0.7	0.2	-0.2	-0.3	-0.3	-0.3	-0.5	-0.1
6	W	0.2	-0.7	0.2	-0.4	-1.9	0.7	-0.1	-0.1	-0.1	0.0	0.0	-0.1
6	AN	-0.8	-0.6	1.1	-1.4	0.8	4.2	-0.1	0.1	-0.4	-0.6	-0.1	0.0
6	BN	0.0	0.2	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.2
6	D	0.9	1.4	0.3	0.5	0.3	-0.3	0.3	0.1	0.3	0.0	0.3	0.0
6	C	13.8	9.0	10.0	5.4	13.5	-0.4	0.4	0.6	0.5	0.5	0.4	0.1
6	All	2.9	1.9	2.3	0.9	2.0	0.7	-0.1	0.0	-0.1	0.0	-0.1	0.0
7	W	-1.0	-1.1	-0.4	-0.4	-0.8	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1
7	AN	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.9	0.9	2.9	0.0	4.8	0.0	0.2	0.2	0.2	0.0	0.4	0.0
7	C	13.7	18.8	19.8	10.7	33.3	-0.6	-0.5	-0.3	-0.5	-0.4	-0.3	0.4
7	All	2.1	3.3	3.9	1.6	6.6	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-90. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Adult Holding, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.1	-0.2	-0.3	-0.3	-0.7	-0.1	0.1	0.2	-0.1	-0.1	-0.6	0.1
4	AN	-0.6	-0.8	-1.4	-1.1	-1.7	-1.4	-0.1	0.0	-0.3	0.2	-0.3	-0.3
4	BN	-1.4	-2.2	-4.9	-5.7	-7.1	-5.7	0.0	-0.2	-0.3	0.0	-0.3	-0.3
4	D	0.2	-3.6	-7.0	-7.0	-8.0	-5.8	0.0	0.1	0.0	-0.3	-0.3	-0.2
4	C	0.2	0.0	-3.1	-0.4	-6.0	0.2	0.1	0.0	-0.3	0.1	-0.2	0.0
4	All	-0.3	-1.4	-3.2	-2.9	-4.6	-2.4	0.0	0.0	-0.1	-0.1	-0.2	-0.1
5	W	-2.4	-1.6	-1.8	-3.1	-1.8	2.6	-0.1	-0.1	-0.3	-0.3	-0.6	-0.1
5	AN	-0.3	-0.8	3.2	-0.3	6.5	6.7	0.0	-0.2	-0.1	-0.4	-0.2	-0.5

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	-3.2	-3.8	-0.9	-1.5	-1.7	-3.8	-0.3	-0.2	0.2	0.2	0.0	0.3
5	D	-4.4	-0.7	-0.3	-2.1	-5.3	-2.9	0.0	-0.3	-0.3	-0.3	-0.2	0.1
5	C	15.1	12.7	12.1	9.9	8.7	-0.6	0.0	0.3	0.2	0.0	0.2	-0.2
5	All	0.2	0.6	1.6	-0.1	-0.2	0.3	-0.1	-0.1	-0.1	-0.2	-0.2	0.0
6	W	-0.7	-2.2	-1.6	-1.9	1.8	1.2	0.0	0.0	0.0	-0.1	-0.3	-0.1
6	AN	-3.9	-5.0	7.8	-3.3	-0.6	14.7	-0.1	0.0	0.3	0.1	0.2	0.4
6	BN	-0.8	-0.4	-1.2	1.0	4.1	3.3	0.0	0.0	-0.1	0.0	0.6	0.2
6	D	5.8	8.0	2.3	7.4	4.5	1.2	-0.1	-0.2	-0.1	-0.3	-0.2	-0.3
6	C	24.6	24.0	26.0	17.5	28.5	1.7	0.7	0.6	0.6	0.5	0.6	-0.1
6	All	4.6	4.5	5.1	3.8	6.8	3.2	0.2	0.2	0.2	0.1	0.1	0.0
7	W	-1.8	-2.2	-1.8	-2.3	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
7	AN	-0.3	0.0	2.2	0.0	4.6	1.9	-0.1	-0.1	0.3	-0.1	0.3	0.1
7	BN	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	D	3.2	7.5	13.8	3.4	20.4	2.2	0.5	0.3	0.4	0.0	0.6	0.0
7	C	33.3	40.3	48.2	34.5	52.0	1.8	0.8	0.8	0.8	0.7	1.1	-0.1
7	All	5.5	8.5	11.0	5.7	15.4	0.9	0.4	0.4	0.4	0.3	0.5	-0.1
8	W	-6.2	-5.6	-5.3	-5.6	-5.5	-0.6	-1.1	-1.0	-1.0	-1.0	-1.1	-0.2
8	AN	0.3	2.7	-0.3	3.8	-0.3	3.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.1
8	BN	-0.4	-0.2	-0.4	0.0	-0.4	0.4	-0.3	0.2	-0.3	0.3	0.7	-0.1
8	D	0.1	-0.1	0.7	-0.3	5.4	-0.3	-0.5	0.5	-0.1	-0.5	-0.1	-0.5
8	C	-11.3	-12.7	-2.8	-10.9	10.1	-4.6	-1.1	-1.3	-1.6	-1.2	-1.3	0.6
8	All	-3.8	-3.5	-2.0	-3.1	1.2	-0.5	-0.9	-1.1	-1.2	-1.0	-1.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Spring-Run Chinook Salmon

Table H1b-91. Summary of Potential Effects of Flow Scenarios on Spring-Run Chinook Salmon, Sacramento River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	1.9%	1.9%	1.9%	1.9%	1.9%	0.0%
[b] Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Adult Holding						
Favorable	6.7%	6.7%	6.7%	8.9%	4.4%	0.0%
Unfavorable	2.2%	3.3%	2.2%	2.2%	5.6%	1.1%
Spawning, Egg Incubation, and Alevins						
Favorable	12.0%	8.8%	4.8%	21.6%	12.0%	0.0%
Unfavorable	0.0%	0.0%	1.6%	0.0%	3.2%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	5.0%	4.7%	8.3%	9.4%	5.3%	0.6%
Unfavorable	1.1%	1.4%	1.1%	1.1%	3.1%	0.3%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-92. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-3.1	-3.1	-3.1	-3.1	-3.1	-2.0	-0.4	-0.4	-0.4	-0.4	-0.4	-0.2
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-19.2	-19.8	-17.3	-21.8	-8.5	-6.3	-1.1	-1.7	-2.3	-1.7	-1.6	0.4
8	All	-4.1	-4.2	-3.8	-4.5	-2.3	-1.6	-0.6	-1.2	-1.9	-1.3	-1.2	0.6
9	W	-2.2	-2.2	-2.3	-2.2	-2.9	-0.1	-0.5	-0.5	-0.6	-0.6	-0.6	-0.4
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.3	-3.2	0.2	-4.2	-5.3	0.0	-0.5	-0.6	-0.3	-0.7	-0.8	0.2
9	D	-7.6	-6.2	-4.4	-9.1	-9.5	1.1	-0.9	-0.6	-0.8	-0.7	-0.9	-0.5
9	C	-29.6	-30.8	-36.5	-39.6	-27.3	0.0	-2.4	-2.7	-3.4	-2.6	0.4	-0.6
9	All	-7.4	-7.7	-7.6	-9.9	-8.4	0.2	-1.8	-2.0	-2.7	-2.1	0.8	-0.5
10	W	0.4	-0.3	-0.6	-0.4	0.8	-0.8	0.0	0.0	0.0	0.0	0.0	0.2
10	AN	-3.8	0.3	0.0	-8.3	6.5	1.1	-2.2	-3.0	-5.2	-1.3	-4.6	-0.7
10	BN	-0.2	0.0	7.2	-3.8	7.4	0.0	-4.9	-4.5	-6.5	-6.4	-3.9	0.2
10	D	-1.9	-1.8	-2.8	-9.1	-8.8	0.0	-1.9	-1.6	-3.9	-4.9	-4.5	-0.9
10	C	-12.1	-14.7	-20.2	-22.8	-17.7	2.2	-2.5	-1.7	0.7	-2.6	2.0	-0.3
10	All	-3.0	-3.9	-3.9	-8.6	-3.1	0.3	-1.9	-1.3	-2.4	-2.0	-1.3	-0.3
11	W	0.6	-0.9	3.6	-2.9	5.1	0.3	0.1	0.1	-0.1	0.2	0.0	0.1
11	AN	3.3	8.6	9.4	-5.8	14.7	4.2	-0.9	-0.6	-0.8	-0.3	-1.1	-0.4
11	BN	-0.2	-6.1	9.4	-6.1	4.3	-6.1	1.1	2.9	0.6	2.6	0.9	3.0
11	D	-2.3	-1.5	2.4	-2.3	-9.8	2.9	-0.3	-0.3	-0.6	-1.3	-1.0	-0.1
11	C	-6.5	-7.5	-4.2	-18.1	-6.9	0.4	-0.5	-0.5	-1.3	-1.1	-0.9	0.2
11	All	-1.0	-2.3	3.3	-7.1	0.8	0.3	-0.2	0.0	-0.4	-0.3	-0.4	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	1.3	1.5	2.6	1.9	2.9	1.4	0.0	0.0	0.1	0.0	0.0	0.0
12	AN	2.2	2.4	3.5	0.3	0.3	-0.5	0.1	0.1	0.0	0.1	-0.1	0.0
12	BN	0.4	0.6	0.2	0.4	-2.5	-0.8	0.0	-0.1	-0.2	-0.2	-0.2	-0.2
12	D	-2.9	-1.0	-0.6	-1.8	-5.3	-2.3	0.0	-0.1	-0.1	-0.2	-0.2	-0.1
12	C	3.8	4.2	3.6	-0.8	-1.8	-2.4	-0.1	0.0	-0.1	-0.2	-0.2	0.0
12	All	0.7	1.6	1.9	0.2	-1.1	-0.8	0.0	-0.1	-0.1	-0.1	-0.1	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-93. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-7.8	-5.9	-5.9	-6.9	-6.6	-1.0	-0.5	-0.4	-0.4	-0.5	-0.5	-0.1
8	AN	0.3	7.3	1.9	7.0	-8.1	8.6	0.0	0.0	-0.1	0.0	-0.2	0.1
8	BN	-4.4	-4.4	-3.2	-0.9	-4.2	0.8	0.0	-0.1	0.1	-0.4	-0.7	-0.1
8	D	-9.4	-8.8	-1.2	-4.5	15.7	-5.4	0.0	-0.2	-0.1	-0.1	-0.2	0.0
8	C	-24.2	-25.8	-11.9	-21.8	9.3	-4.2	-1.0	-1.4	-1.5	-1.3	-1.1	-0.2
8	All	-9.2	-7.8	-4.3	-6.0	1.5	-1.0	-0.5	-0.7	-0.7	-0.7	-0.6	-0.2
9	W	-0.6	0.6	1.0	4.1	8.3	-0.4	-0.3	-0.4	-0.5	-0.6	-0.7	-0.1
9	AN	-2.5	7.8	3.1	4.7	20.6	5.8	-0.1	-0.1	-0.2	0.0	0.2	0.2
9	BN	-2.5	-1.7	5.1	3.4	10.6	4.5	-0.2	-0.1	-0.2	-0.2	-0.2	-0.1
9	D	-12.3	-20.3	-27.4	-19.4	-10.2	2.3	-0.5	-0.4	-0.2	-0.5	-0.5	-0.2
9	C	-17.1	-8.1	-11.9	-36.7	-10.8	-1.9	-2.7	-3.0	-3.5	-3.3	-2.0	-0.3
9	All	-6.5	-5.1	-6.5	-7.9	2.9	1.7	-1.1	-1.1	-1.3	-1.3	-1.0	-0.2
10	W	1.0	-0.4	4.7	-3.2	7.7	1.1	0.0	-0.1	-0.3	0.0	-0.2	0.0
10	AN	2.2	6.5	13.4	10.2	21.2	3.0	-2.3	-2.3	-3.7	-3.4	-3.1	-0.5
10	BN	-8.3	-12.3	-4.6	-14.2	-7.2	-9.1	-0.8	-0.4	-0.6	-1.2	1.0	0.6
10	D	-5.9	-7.2	-5.3	-9.5	-10.3	-5.3	-0.5	-0.2	-0.9	-1.3	-1.3	0.1
10	C	-9.5	-3.4	-0.6	-13.7	-7.3	0.0	-2.1	-2.2	-2.3	-3.1	-1.3	0.1
10	All	-3.8	-3.7	1.0	-6.6	0.2	-2.1	-0.9	-0.8	-1.3	-1.5	-0.8	0.1
11	W	2.0	-0.8	12.6	-3.3	12.6	0.6	-0.1	0.1	-0.4	0.2	-0.2	0.1
11	AN	4.7	4.4	12.5	2.8	22.2	2.2	-0.6	0.2	-0.4	-1.1	-0.6	0.1
11	BN	-2.7	-5.3	7.6	-6.1	1.6	-3.1	0.9	0.8	0.6	0.8	0.8	0.5
11	D	-13.0	-10.0	3.3	-5.3	-13.9	-6.1	0.1	0.0	-0.3	-0.7	-0.7	0.3
11	C	-4.8	-2.5	6.7	-6.3	-5.6	0.8	-0.6	-0.8	-1.7	-1.9	-1.0	0.1
11	All	-3.0	-3.3	8.5	-4.3	2.8	-1.3	-0.1	0.0	-0.5	-0.6	-0.3	0.2
12	W	1.3	0.9	2.7	1.1	1.6	1.0	0.0	0.1	0.0	0.0	0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	1.3	3.2	4.8	-1.1	0.8	-3.5	0.1	0.1	-0.1	0.1	-0.1	0.1
12	BN	0.0	1.7	1.9	1.3	-2.8	-0.6	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
12	D	-1.2	0.6	-0.9	-3.2	-5.0	-3.4	-0.1	-0.2	-0.1	-0.2	-0.3	0.0
12	C	5.2	5.0	4.4	0.4	-0.8	-2.0	-0.1	-0.1	-0.1	-0.3	-0.3	-0.1
12	All	1.2	2.1	2.5	-0.1	-1.2	-1.3	0.0	-0.1	-0.1	-0.1	-0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-94. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Balls Ferry, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	8.1	13.5	21.7	21.8	24.6	0.4	-0.3	-0.2	-0.2	-0.2	-0.3	-0.1
8	AN	0.0	1.3	3.0	0.8	1.9	0.5	-0.1	0.1	-0.2	0.2	-0.4	0.2
8	BN	-3.8	-13.1	-15.0	-0.2	6.3	-1.1	-0.1	0.0	0.1	-0.1	-0.4	0.1
8	D	-13.5	-27.9	-3.4	-16.1	2.3	-8.7	-0.1	0.0	0.0	0.1	0.5	-0.1
8	C	-16.5	-12.7	2.6	-3.6	4.0	-1.4	-1.0	-1.3	-1.0	-1.2	-0.2	-0.2
8	All	-4.3	-6.3	3.9	1.8	10.1	-2.4	-0.3	-0.3	-0.3	-0.3	-0.2	0.0
9	W	2.4	3.2	10.0	15.3	24.8	-0.9	-0.3	-0.2	-0.2	-0.3	-0.2	0.0
9	AN	-0.6	-14.7	-7.5	-5.0	21.7	1.1	-0.1	0.4	0.0	0.3	0.7	0.3
9	BN	-4.9	-5.5	7.4	-3.0	8.9	9.1	-0.2	-0.1	-0.2	0.0	-0.1	-0.1
9	D	-5.6	-13.5	-13.6	-10.9	-2.4	0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.2
9	C	-8.3	-3.3	-2.7	-22.5	-4.2	-2.5	-2.6	-2.7	-3.2	-3.2	-2.0	-0.2
9	All	-2.9	-5.8	-0.1	-2.6	10.6	1.2	-0.9	-0.8	-1.0	-1.0	-0.7	-0.1
10	W	-0.8	-1.6	2.8	-2.3	6.9	2.0	0.1	0.0	-0.1	0.0	0.0	0.0
10	AN	2.2	3.5	9.4	8.6	17.5	3.2	-1.6	-1.4	-2.6	-2.4	-2.1	-0.4
10	BN	-5.9	-10.4	0.8	-12.3	-1.5	-8.9	-0.8	-0.5	-0.8	-1.1	0.3	0.5
10	D	-6.0	-6.3	-4.1	-6.6	-2.2	-2.6	-0.4	-0.2	-0.7	-1.1	-1.1	-0.1
10	C	-8.5	-4.0	-2.0	-16.1	-1.4	-2.0	-1.7	-1.8	-1.7	-2.4	-1.1	0.2
10	All	-3.7	-3.9	0.9	-5.9	3.3	-1.4	-0.7	-0.7	-1.0	-1.2	-0.7	0.1
11	W	1.0	0.2	1.9	-2.0	2.3	0.3	0.0	0.0	0.0	0.1	0.1	0.0
11	AN	5.3	7.8	11.7	-2.5	10.3	4.2	-0.9	-0.4	-0.8	-0.9	-0.7	-0.3
11	BN	0.2	-2.2	8.6	-2.5	4.7	-2.2	0.6	0.9	0.1	0.7	0.4	0.9
11	D	-6.1	-3.8	-0.8	-5.8	-12.3	-2.1	-0.1	-0.2	-0.2	-0.7	-0.5	0.2
11	C	-4.0	-2.1	3.8	-9.4	-7.3	1.0	-0.4	-0.7	-1.3	-1.4	-0.6	0.1
11	All	-0.9	-0.7	3.8	-4.8	-1.2	-0.1	-0.2	-0.1	-0.4	-0.5	-0.2	0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	0.0	1.3	-2.2	2.2	-3.5	-0.8	0.0	0.0	-0.3	0.3	-0.5	-0.1
12	BN	0.8	-0.8	-0.6	0.6	-3.0	-1.5	-0.1	0.0	0.3	0.1	-0.2	0.1
12	D	-0.7	-2.3	-3.1	-3.2	-5.6	-1.0	0.0	-0.1	0.0	0.1	-0.7	-0.2
12	C	-1.2	-1.2	-4.4	-4.4	-4.6	-1.4	-0.2	-0.4	-0.7	-0.7	-0.7	-0.3
12	All	-0.2	-0.7	-1.8	-1.1	-3.0	-0.8	-0.1	-0.1	0.2	0.1	0.0	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-95. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River near Bend Bridge, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.4	1.3	2.3	2.0	2.3	0.3	-0.1	0.1	0.2	0.3	0.2	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.1	0.2	-0.4	0.3
8	BN	-0.2	-6.6	-5.9	-2.5	-1.1	-0.9	-0.1	-0.3	-0.2	-0.1	-0.1	0.1
8	D	-4.7	-6.3	-0.4	-0.9	0.1	0.1	-0.3	-0.4	0.0	-0.2	0.6	-0.3
8	C	-2.0	-0.8	-0.2	-0.4	0.2	-0.2	-1.3	-1.3	-0.5	-0.9	0.3	-0.2
8	All	-1.3	-2.3	-0.5	-0.1	0.6	-0.1	-0.3	-0.3	-0.1	-0.1	0.2	-0.1
9	W	1.3	4.0	5.1	10.4	16.7	-0.9	-0.1	-0.1	0.1	0.2	0.4	0.0
9	AN	1.4	-13.9	-5.6	2.2	20.8	1.4	-0.1	0.2	-0.1	0.1	0.8	0.3
9	BN	-2.5	-3.4	1.5	-1.9	4.5	1.3	-0.2	-0.2	0.0	-0.1	0.0	0.2
9	D	-1.4	-7.0	-4.2	-2.3	0.3	0.2	-0.7	-0.7	-0.8	-0.8	-0.6	-0.2
9	C	-4.0	-1.7	-0.8	-12.1	-1.3	-0.6	-2.4	-2.4	-2.9	-3.1	-1.7	-0.3
9	All	-0.8	-3.0	0.1	0.6	8.3	0.1	-0.7	-0.7	-0.8	-0.8	-0.4	0.0
10	W	1.2	-1.4	3.7	0.1	9.5	3.5	0.0	0.0	-0.1	-0.1	-0.1	0.0
10	AN	1.1	3.2	6.5	5.6	18.8	2.7	-1.2	-1.1	-1.9	-1.6	-1.6	-0.2
10	BN	-3.4	-7.4	1.7	-11.6	0.8	-6.3	-0.8	-0.6	-0.7	-1.0	0.2	0.1
10	D	-4.8	-3.5	-0.9	-3.8	5.1	-0.3	-0.3	-0.2	-0.6	-0.8	-0.8	-0.2
10	C	-3.8	0.0	-4.4	-8.9	3.4	1.0	-1.5	-1.5	-1.2	-2.0	-0.9	0.0
10	All	-1.8	-2.1	1.3	-3.6	7.0	0.4	-0.7	-0.6	-0.8	-1.0	-0.6	0.0
11	W	0.8	0.7	2.1	-1.3	2.1	0.8	0.0	0.0	0.0	0.2	0.1	0.0
11	AN	3.9	8.6	11.4	-0.6	10.0	3.3	-1.0	-0.7	-1.0	-1.0	-0.9	-0.3
11	BN	1.2	0.4	4.5	0.0	2.5	0.6	0.4	0.3	0.2	0.1	0.4	0.3
11	D	-4.7	-4.4	0.2	-5.5	-9.7	-1.5	-0.1	-0.1	-0.3	-0.7	-0.3	0.2
11	C	-2.3	-3.3	-0.2	-7.7	-7.3	1.7	-0.4	-0.4	-0.9	-1.2	-0.4	0.1
11	All	-0.5	-0.6	2.4	-3.6	-1.0	0.7	-0.2	-0.1	-0.4	-0.5	-0.2	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	0.0	0.3	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
12	BN	0.0	-0.6	0.6	0.6	-1.7	-0.8	0.0	0.1	0.2	0.2	-0.5	0.2
12	D	-0.4	-0.4	-0.6	-0.6	-1.5	-1.3	-0.1	0.1	0.3	0.1	-0.2	-0.2
12	C	-1.0	-1.2	-1.2	-1.2	-1.2	-0.8	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
12	All	-0.3	-0.4	-0.2	0.0	-0.8	-0.6	-0.1	0.0	0.2	0.1	-0.4	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-96. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Red Bluff Diversion Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.3	0.8	1.4	1.3	1.5	0.3	0.0	0.2	0.3	0.3	0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.1	0.2	-0.4	0.3
8	BN	-0.2	-1.3	-3.4	-0.6	-0.4	0.2	-0.1	-0.4	-0.3	-0.1	-0.1	0.1
8	D	-2.1	-3.4	-0.1	-0.1	0.0	0.0	-0.4	-0.5	0.0	-0.2	0.7	-0.3
8	C	-1.0	-0.6	0.0	-0.4	0.4	0.0	-1.2	-1.2	-0.3	-0.7	0.6	-0.2
8	All	-0.6	-0.9	-0.2	0.2	0.5	0.1	-0.3	-0.3	0.0	-0.1	0.3	0.0
9	W	2.3	3.1	3.7	6.3	8.3	0.6	-0.1	0.0	0.2	0.4	0.6	0.0
9	AN	0.6	-5.6	6.1	6.9	9.2	-2.2	-0.1	-0.1	-0.3	0.0	1.1	0.3
9	BN	-0.2	-0.4	0.4	-0.6	0.4	0.0	-0.3	-0.2	0.0	-0.1	0.1	0.2
9	D	0.0	-1.4	-0.3	0.2	0.5	0.2	-0.7	-0.8	-0.8	-0.8	-0.5	-0.2
9	C	-0.6	0.0	0.0	-3.3	0.0	0.0	-2.3	-2.2	-2.6	-3.1	-1.6	-0.3
9	All	0.6	-0.1	1.9	2.2	3.8	-0.1	-0.7	-0.6	-0.7	-0.7	-0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	1.1	0.6	5.2	4.1	7.5	5.7	0.0	-0.1	-0.1	-0.1	0.2	0.0
10	AN	2.4	1.3	0.5	5.9	11.3	2.2	-0.7	-0.5	-0.8	-0.8	-0.4	0.0
10	BN	-2.5	-1.9	4.6	-2.8	9.3	4.7	-0.5	-0.5	-0.5	-0.8	0.0	-0.3
10	D	-2.1	0.7	3.8	0.3	9.4	-0.9	-0.3	-0.3	-0.4	-0.5	-0.4	0.0
10	C	0.0	1.6	2.8	0.4	6.3	1.4	-1.1	-1.0	-1.0	-1.5	-0.6	0.0
10	All	-0.3	0.5	3.8	1.6	8.4	2.9	-0.4	-0.4	-0.5	-0.7	-0.2	-0.1
11	W	1.2	1.0	2.9	-0.1	5.8	0.8	0.0	0.0	0.0	0.0	-0.1	0.0
11	AN	3.9	6.4	7.8	0.8	7.8	2.2	-0.4	0.0	-0.2	-0.6	-0.1	0.1
11	BN	1.4	0.6	4.5	-1.0	2.4	0.8	0.2	0.2	0.2	0.1	0.3	0.2
11	D	-5.8	-3.3	0.9	-5.9	-9.1	-2.1	-0.1	-0.2	-0.3	-0.5	-0.5	0.2
11	C	0.2	3.5	3.1	-2.1	-5.4	6.7	-0.5	-0.7	-0.9	-1.1	-0.5	-0.2
11	All	-0.1	0.8	3.1	-2.2	0.2	1.3	-0.2	-0.2	-0.2	-0.4	-0.2	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	1.1	1.1	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.7	-0.1
12	D	-0.3	0.0	0.3	0.1	-0.6	-0.6	-0.3	0.0	0.1	-0.1	-0.3	-0.3
12	C	-1.0	-1.0	-1.0	-1.0	-1.0	-0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
12	All	-0.2	-0.2	0.1	0.1	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.4	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-97. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-19.2	-19.4	-24.4	-21.5	-9.2	-4.6	0.0	-0.9	-2.9	-2.8	-1.2	0.2
9	All	-3.1	-3.2	-4.0	-3.5	-1.5	-0.7	0.0	-0.9	-2.9	-2.8	-1.2	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.3	-7.3	-14.2	-8.1	-7.3	0.3	0.4	0.4	-2.3	-1.4	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	0.0	-2.1	-2.1	-2.1	-2.1	0.2	0.2
10	D	-4.1	-4.1	-4.1	-4.1	-4.1	-0.3	-2.0	-2.0	-2.0	-2.0	-2.0	-1.2
10	C	-9.3	-9.3	-7.3	-9.3	-3.0	-0.8	-1.9	-1.9	-1.7	-1.9	1.0	0.0
10	All	-5.4	-5.4	-5.9	-5.5	-3.3	-0.2	1.1	1.0	-1.6	-0.7	0.6	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.1	-0.8	-1.9	-0.6	-0.8	0.3	-0.5	-0.6	-0.8	-0.4	-0.6	0.0
11	BN	0.2	0.2	-0.4	-0.4	0.0	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5
11	All	-0.5	-0.4	-0.7	-0.5	-0.4	0.2	-0.2	-0.2	-0.3	0.0	-0.1	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-98. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Clear Creek, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.3
7	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.3
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.8	-7.3	-8.9	-8.9	-7.1	-0.2	-2.8	-3.7	-4.9	-4.9	-4.1	0.1
8	All	-1.0	-1.2	-1.4	-1.4	-1.2	0.0	-2.8	-3.7	-4.9	-4.9	-4.1	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-28.3	-29.2	-30.0	-29.6	-16.7	-4.2	0.8	0.4	-2.7	-1.9	-0.2	-0.1
9	All	-4.9	-5.0	-5.2	-5.1	-3.0	-0.9	0.9	0.6	-2.5	-1.8	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-8.3	-8.3	-11.3	-8.3	-8.3	0.0	0.6	0.5	-2.8	-1.2	-0.3	-0.2
10	BN	-4.4	-4.0	-5.7	-5.9	0.0	0.0	-2.9	-2.9	-3.5	-3.5	0.2	0.2
10	D	-4.1	-3.2	-7.3	-7.3	-7.3	-1.0	-2.0	-1.9	-2.3	-2.3	-2.3	-0.7
10	C	-12.5	-9.5	-6.5	-12.7	-6.5	0.0	-2.7	-2.0	-1.6	-2.7	1.8	-0.2
10	All	-5.8	-5.0	-6.1	-6.8	-4.7	-0.2	-0.3	-0.7	-1.6	-0.1	1.2	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.4	-1.4	-1.4	-1.1	-1.1	0.0	-0.2	0.0	-0.3	0.0	-0.2	0.1
11	BN	2.0	2.0	0.8	1.6	1.4	2.0	-0.5	-0.5	-0.7	-0.8	-0.4	-0.4
11	D	-0.6	-0.3	-1.2	-1.2	-1.2	-0.2	-0.3	-0.1	-0.3	-0.3	-0.3	0.2
11	C	-2.9	-2.5	-2.7	-2.9	-2.1	1.9	-0.4	-0.4	0.6	-0.4	0.3	-0.1
11	All	-0.9	-0.8	-1.2	-1.1	-1.0	0.6	0.1	0.1	0.1	0.1	0.3	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-99. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-0.2	-0.2	-0.5	-0.6	-0.6	-0.6	0.1	0.1	-0.3	-0.3	-0.3	-0.3
4	C	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
4	All	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.1	0.0	-0.3	0.2	-0.3	-0.3
5	W	-0.9	-0.4	-1.8	-2.2	-2.6	0.8	-0.1	-0.3	-0.3	-0.4	-0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	-0.3	1.1	-0.5	2.2	-0.8	0.0	-0.2	0.0	-0.5	-0.3	-0.5
5	BN	-0.2	0.0	1.3	1.3	0.6	0.2	0.0	0.0	0.4	0.9	0.3	0.0
5	D	-0.7	-1.3	-1.6	-1.9	-2.1	-0.1	-0.3	-0.6	-0.4	-0.4	-0.7	-0.1
5	C	1.0	1.6	1.4	1.2	1.6	0.2	-0.3	-0.4	-0.4	-0.8	-0.7	-0.3
5	All	-0.3	-0.2	-0.3	-0.8	-0.7	0.2	-0.2	-0.3	-0.3	-0.3	-0.5	-0.1
6	W	0.2	-0.7	0.2	-0.4	-1.9	0.7	-0.1	-0.1	-0.1	0.0	0.0	-0.1
6	AN	-0.8	-0.6	1.1	-1.4	0.8	4.2	-0.1	0.1	-0.4	-0.6	-0.1	0.0
6	BN	0.0	0.2	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.2
6	D	0.9	1.4	0.3	0.5	0.3	-0.3	0.3	0.1	0.3	0.0	0.3	0.0
6	C	13.8	9.0	10.0	5.4	13.5	-0.4	0.4	0.6	0.5	0.5	0.4	0.1
6	All	2.9	1.9	2.3	0.9	2.0	0.7	-0.1	0.0	-0.1	0.0	-0.1	0.0
7	W	-1.0	-1.1	-0.4	-0.4	-0.8	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1
7	AN	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.9	0.9	2.9	0.0	4.8	0.0	0.2	0.2	0.2	0.0	0.4	0.0
7	C	13.7	18.8	19.8	10.7	33.3	-0.6	-0.5	-0.3	-0.5	-0.4	-0.3	0.4
7	All	2.1	3.3	3.9	1.6	6.6	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2
9	W	-2.0	-2.0	-2.0	-2.0	-2.0	-0.4	-1.2	-1.2	-1.2	-1.2	-1.2	-0.2
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.1	-1.1	-0.9	-1.1	-1.1	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.3
9	D	-5.3	-5.2	-5.2	-5.3	-5.3	-3.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-30.2	-31.0	-31.7	-31.3	-18.5	-4.6	1.0	0.7	-2.2	-1.6	0.1	-0.1
9	All	-6.9	-7.0	-7.1	-7.1	-5.0	-1.6	1.8	1.4	-1.5	-0.7	1.0	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.8	-7.8	-12.4	-7.8	-7.8	0.3	0.6	0.5	-2.3	-1.1	-0.3	-0.2
10	BN	-4.9	-4.7	-5.9	-5.9	0.0	0.0	-2.4	-2.4	-2.6	-2.6	0.3	0.1
10	D	-5.9	-5.1	-5.9	-5.9	-5.9	-1.6	-1.8	-1.6	-1.8	-1.8	-1.8	-0.5
10	C	-11.5	-9.5	-5.8	-11.5	-5.2	0.0	-2.2	-1.8	-1.5	-2.2	1.4	-0.2
10	All	-6.0	-5.5	-5.8	-6.2	-4.1	-0.3	1.1	0.2	-1.3	-0.1	1.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.9	-1.9	-1.9	-1.1	-1.1	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	-0.1
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.8	-0.8	-0.8	-0.6	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
11	All	-0.6	-0.6	-0.6	-0.5	-0.5	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-100. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River near Bend Bridge, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.4	-0.8	-1.4	-1.0	-1.4	-1.2	0.0	-0.2	-0.6	-0.6	-0.6	-0.6
4	D	0.0	-0.2	-1.5	-2.6	-2.6	-1.4	-0.1	-0.1	-0.4	-0.7	-0.7	-0.3
4	C	0.2	0.0	-0.6	0.4	-1.0	0.0	0.1	0.0	-0.4	0.3	-0.4	0.0
4	All	-0.1	-0.2	-0.7	-0.7	-1.0	-0.5	0.0	0.0	-0.4	-0.2	-0.6	-0.3
5	W	-1.1	-0.4	-1.2	-2.3	-2.8	1.7	-0.2	-0.2	-0.4	-0.4	-0.6	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	-1.9	1.1	-1.9	2.2	-0.8	0.0	0.0	0.0	-0.2	0.0	-0.3
5	BN	-2.7	-2.3	0.9	0.8	-0.6	-0.8	-0.3	-0.1	0.0	0.2	-0.1	0.2
5	D	-1.8	-1.3	-1.0	-1.6	-2.5	-0.9	-0.2	-0.5	-0.5	-0.7	-0.5	0.0
5	C	4.0	6.5	4.6	3.0	5.2	-2.0	0.1	0.2	0.1	0.0	0.1	0.3
5	All	-0.7	-0.1	0.5	-0.6	-0.6	-0.2	-0.1	-0.1	-0.3	-0.3	-0.3	0.0
6	W	-0.3	-1.4	-0.2	-0.9	2.2	1.1	0.0	-0.1	-0.1	-0.1	-0.3	0.0
6	AN	-4.4	-3.3	9.7	-1.7	0.8	15.8	0.1	0.0	0.2	0.0	0.2	0.3
6	BN	-0.8	-0.4	-1.6	0.8	4.1	2.9	-0.1	-0.1	-0.1	0.0	0.5	0.1
6	D	4.7	7.7	2.0	5.6	2.9	1.4	-0.1	-0.3	-0.1	-0.4	-0.2	-0.4
6	C	20.2	19.4	22.3	13.3	26.7	0.4	0.7	0.6	0.6	0.5	0.5	-0.1
6	All	3.7	4.1	5.0	3.2	6.2	3.1	0.2	0.1	0.1	0.0	0.1	0.0
7	W	-1.8	-1.6	-1.3	-2.3	-1.1	0.1	-0.1	-0.2	-0.1	-0.1	-0.1	0.0
7	AN	-0.3	-0.3	1.9	-0.5	3.8	1.1	-0.3	-0.3	0.6	-0.3	0.4	0.0
7	BN	0.0	0.0	0.0	0.0	6.1	0.2	0.0	0.0	0.0	0.0	0.9	0.0
7	D	2.9	6.5	12.0	3.2	17.9	2.3	0.5	0.3	0.4	0.0	0.7	0.0
7	C	30.0	35.3	43.1	28.2	50.6	2.6	0.6	0.7	0.6	0.6	1.0	-0.1
7	All	4.9	7.6	9.9	4.5	14.4	1.1	0.3	0.3	0.3	0.3	0.5	-0.1
8	W	-4.2	-4.0	-4.0	-4.1	-4.0	-0.8	-1.5	-1.0	-1.0	-1.5	-1.5	-0.1
8	AN	0.0	0.0	-0.5	0.5	-0.3	0.0	0.0	0.0	-0.5	-0.3	-0.5	0.0
8	BN	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	-0.1	-0.1	0.0	-0.1	1.0	-0.1	-1.0	-1.0	-1.0	-1.0	-0.8	-1.0
8	C	-9.1	-8.9	-5.0	-8.7	5.8	-3.2	-1.6	-2.4	-2.8	-2.2	-2.4	0.8
8	All	-2.8	-2.6	-2.1	-2.6	0.0	-0.8	-0.9	-1.8	-2.1	-1.6	-1.8	0.5
9	W	-1.7	-1.7	-1.7	-1.6	-2.1	-0.3	-1.7	-1.7	-1.7	-1.6	-1.5	-0.2
9	AN	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.5
9	BN	-1.3	-1.7	-1.1	-1.9	-1.9	0.4	-0.7	-0.8	-0.6	-0.6	-0.6	0.3
9	D	-8.3	-8.2	-8.2	-8.6	-8.5	-4.5	-0.6	-0.2	-0.2	-0.4	-0.7	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-33.3	-34.0	-34.2	-32.7	-19.4	-3.8	1.2	0.9	-1.8	-1.5	0.1	-0.1
9	All	-8.1	-8.2	-8.1	-8.1	-6.0	-1.6	0.4	0.2	-1.5	-1.2	0.5	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-6.5	-6.5	-11.6	-6.5	-6.5	0.5	0.3	0.1	-2.3	-1.3	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	-0.8	-1.9	-1.9	-1.9	-1.9	0.3	0.3
10	D	-4.1	-3.8	-4.4	-4.4	-4.4	-0.6	-1.1	-1.1	-1.6	-1.6	-1.6	-0.8
10	C	-9.1	-7.3	-4.4	-9.1	-2.8	-0.4	-2.3	-2.0	-1.5	-2.3	0.8	0.0
10	All	-5.2	-4.9	-5.2	-5.3	-3.3	-0.3	1.2	0.4	-1.2	-0.3	0.7	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-101. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.1	-0.2	-0.3	-0.3	-0.7	-0.1	0.1	0.2	-0.1	-0.1	-0.6	0.1
4	AN	-0.6	-0.8	-1.4	-1.1	-1.7	-1.4	-0.1	0.0	-0.3	0.2	-0.3	-0.3
4	BN	-1.4	-2.2	-4.9	-5.7	-7.1	-5.7	0.0	-0.2	-0.3	0.0	-0.3	-0.3
4	D	0.2	-3.6	-7.0	-7.0	-8.0	-5.8	0.0	0.1	0.0	-0.3	-0.3	-0.2
4	C	0.2	0.0	-3.1	-0.4	-6.0	0.2	0.1	0.0	-0.3	0.1	-0.2	0.0
4	All	-0.3	-1.4	-3.2	-2.9	-4.6	-2.4	0.0	0.0	-0.1	-0.1	-0.2	-0.1
5	W	-2.4	-1.6	-1.8	-3.1	-1.8	2.6	-0.1	-0.1	-0.3	-0.3	-0.6	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	-0.3	-0.8	3.2	-0.3	6.5	6.7	0.0	-0.2	-0.1	-0.4	-0.2	-0.5
5	BN	-3.2	-3.8	-0.9	-1.5	-1.7	-3.8	-0.3	-0.2	0.2	0.2	0.0	0.3
5	D	-4.4	-0.7	-0.3	-2.1	-5.3	-2.9	0.0	-0.3	-0.3	-0.3	-0.2	0.1
5	C	15.1	12.7	12.1	9.9	8.7	-0.6	0.0	0.3	0.2	0.0	0.2	-0.2
5	All	0.2	0.6	1.6	-0.1	-0.2	0.3	-0.1	-0.1	-0.1	-0.2	-0.2	0.0
6	W	-0.7	-2.2	-1.6	-1.9	1.8	1.2	0.0	0.0	0.0	-0.1	-0.3	-0.1
6	AN	-3.9	-5.0	7.8	-3.3	-0.6	14.7	-0.1	0.0	0.3	0.1	0.2	0.4
6	BN	-0.8	-0.4	-1.2	1.0	4.1	3.3	0.0	0.0	-0.1	0.0	0.6	0.2
6	D	5.8	8.0	2.3	7.4	4.5	1.2	-0.1	-0.2	-0.1	-0.3	-0.2	-0.3
6	C	24.6	24.0	26.0	17.5	28.5	1.7	0.7	0.6	0.6	0.5	0.6	-0.1
6	All	4.6	4.5	5.1	3.8	6.8	3.2	0.2	0.2	0.2	0.1	0.1	0.0
7	W	-1.8	-2.2	-1.8	-2.3	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
7	AN	-0.3	0.0	2.2	0.0	4.6	1.9	-0.1	-0.1	0.3	-0.1	0.3	0.1
7	BN	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	D	3.2	7.5	13.8	3.4	20.4	2.2	0.5	0.3	0.4	0.0	0.6	0.0
7	C	33.3	40.3	48.2	34.5	52.0	1.8	0.8	0.8	0.8	0.7	1.1	-0.1
7	All	5.5	8.5	11.0	5.7	15.4	0.9	0.4	0.4	0.4	0.3	0.5	-0.1
8	W	-6.2	-5.6	-5.3	-5.6	-5.5	-0.6	-1.1	-1.0	-1.0	-1.0	-1.1	-0.2
8	AN	0.3	2.7	-0.3	3.8	-0.3	3.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.1
8	BN	-0.4	-0.2	-0.4	0.0	-0.4	0.4	-0.3	0.2	-0.3	0.3	0.7	-0.1
8	D	0.1	-0.1	0.7	-0.3	5.4	-0.3	-0.5	0.5	-0.1	-0.5	-0.1	-0.5
8	C	-11.3	-12.7	-2.8	-10.9	10.1	-4.6	-1.1	-1.3	-1.6	-1.2	-1.3	0.6
8	All	-3.8	-3.5	-2.0	-3.1	1.2	-0.5	-0.9	-1.1	-1.2	-1.0	-1.0	0.0
9	W	-1.3	-1.2	-1.1	-0.9	0.4	-0.2	-1.0	-1.0	-1.0	-1.1	-1.3	-0.1
9	AN	-0.6	0.6	-0.6	0.8	8.9	6.9	0.0	0.3	0.0	0.2	0.7	0.7
9	BN	-4.7	-3.2	-1.3	0.0	-2.5	1.5	-0.2	-0.3	-0.3	-0.4	-0.5	0.1
9	D	-17.1	-16.8	-14.8	-17.1	-13.8	-2.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.3

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-37.5	-40.4	-46.0	-46.3	-31.3	-2.7	-1.2	-1.2	-1.8	-1.5	0.0	-0.2
9	All	-11.3	-11.3	-11.5	-11.6	-7.4	0.0	-0.9	-1.0	-1.3	-1.3	-0.5	-0.2
10	W	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	-0.1	-0.1	-0.1	0.2
10	AN	-8.1	-8.3	-9.9	-8.9	-7.0	0.8	0.3	0.3	-2.5	-0.9	-0.7	-0.1
10	BN	-4.7	-3.8	-5.9	-5.9	0.0	0.0	-2.3	-2.4	-2.8	-2.8	0.3	0.0
10	D	-4.5	-3.7	-5.4	-4.7	-4.4	-1.0	-1.2	-1.2	-1.5	-1.3	-1.6	-0.5
10	C	-14.5	-9.9	-8.9	-15.3	-6.9	1.8	-2.0	-1.3	-0.7	-2.3	0.9	-0.3
10	All	-6.1	-5.1	-5.9	-6.6	-3.9	0.2	0.0	-0.5	-1.1	-0.3	0.4	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.6	-0.6	-0.8	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.6	-0.8	-0.8	-0.8	-0.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.2
11	All	-0.3	-0.3	-0.3	-0.3	-0.3	0.1	-0.3	-0.3	-0.3	-0.3	0.2	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-102. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Wilkins Slough, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
3	All	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
4	W	0.0	-0.4	-1.3	-1.8	-2.6	0.2	0.0	0.0	-0.1	0.0	-0.4	0.0
4	AN	0.0	-1.1	-2.8	-3.6	-4.7	-3.6	0.0	0.1	-0.1	0.2	-0.4	0.1
4	BN	-0.6	-2.9	-8.8	-11.2	-15.7	-11.2	0.0	-0.2	-0.4	-0.5	-0.8	-0.3
4	D	1.1	-4.5	-12.1	-10.9	-17.1	-7.4	0.1	-0.1	-0.5	-0.5	-0.6	-0.3
4	C	3.3	-0.2	-6.0	3.8	-15.8	1.3	0.1	0.1	-0.2	0.0	-0.3	0.1
4	All	0.6	-2.0	-6.2	-5.0	-11.1	-3.7	0.1	0.0	-0.3	-0.1	-0.3	-0.1
5	W	-0.4	-0.4	-4.6	-7.8	-5.8	0.1	-0.2	-0.3	-0.4	-0.7	-0.7	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.5	0.8	-1.3	-6.7	-8.3	-0.3	0.0	-0.3	-0.7	-1.2	-1.0	-0.2
5	BN	-0.8	-2.8	-8.9	-13.3	-12.5	-9.3	-0.3	-0.4	-0.7	-0.7	-1.2	-0.5
5	D	0.3	1.0	-3.8	-2.5	-9.1	-7.8	-0.1	0.2	-0.4	-0.1	-0.6	-0.6
5	C	3.0	-0.2	-2.8	2.6	-6.0	-0.6	1.6	1.5	1.0	1.6	0.2	-0.2
5	All	0.4	-0.3	-4.4	-5.7	-8.1	-3.5	0.2	0.2	-0.2	-0.1	-0.6	-0.3
6	W	-0.2	-0.8	-3.0	-2.7	-6.1	0.2	-0.2	-0.7	-1.4	-1.3	-1.6	0.1
6	AN	0.0	-4.2	-7.8	-3.1	-13.1	0.6	-0.1	-1.0	-1.6	-1.6	-2.2	0.6
6	BN	0.2	-3.5	-1.8	-2.2	1.0	-0.4	-0.2	-0.5	-0.6	-0.5	-0.5	0.3
6	D	0.3	-0.3	1.4	2.9	1.5	-0.8	0.7	1.0	0.4	1.4	0.7	-0.2
6	C	0.8	1.7	3.7	4.2	3.5	0.4	2.1	2.1	1.5	1.8	1.0	0.0
6	All	0.2	-1.2	-1.3	-0.2	-2.4	0.0	0.4	0.2	-0.4	0.0	-0.5	0.1
7	W	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.7	-0.3	-1.0	0.0
7	AN	1.1	1.1	1.1	1.1	1.1	1.1	0.4	0.0	0.1	0.9	0.4	0.4
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.8	2.4	0.5
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	2.5	0.3	3.1	-0.3
7	C	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.8	3.0	3.0	2.9	0.1
7	All	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.8	0.9	0.7	1.3	0.1
8	W	0.0	0.3	0.8	0.6	1.0	-0.1	-0.1	0.3	0.5	0.6	0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.2	0.4	-0.8	0.5
8	BN	0.0	-0.2	0.0	0.0	-0.4	0.0	-0.2	-0.7	-0.6	-0.2	-0.4	0.1
8	D	-0.1	0.0	0.0	0.0	0.0	0.0	-0.7	-1.0	-0.2	-0.4	1.2	-0.6
8	C	-0.4	-0.2	0.2	-0.2	0.2	-0.2	-1.1	-1.0	0.8	0.2	1.5	0.0
8	All	-0.1	0.0	0.3	0.2	0.3	-0.1	-0.4	-0.4	0.1	0.2	0.4	-0.1
9	W	0.3	3.0	5.7	9.4	15.1	-0.2	-0.1	0.1	0.3	0.5	0.6	0.0
9	AN	-1.9	-8.9	0.8	4.2	17.5	-0.3	-0.1	-0.2	-0.3	0.0	0.8	0.4
9	BN	-0.6	-0.4	0.4	-0.8	0.2	0.9	-0.3	-0.4	-0.2	-0.1	-0.2	0.3
9	D	-0.6	-2.1	-1.8	-0.8	-0.5	-0.3	-0.8	-1.0	-1.0	-0.9	-0.7	-0.4

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-1.7	-0.8	-1.0	-3.5	-0.8	-0.2	-1.3	-1.2	-1.3	-1.8	-0.6	-0.2
9	All	-0.6	-0.9	1.3	2.5	6.6	0.0	-0.6	-0.6	-0.5	-0.5	-0.2	0.0
10	W	-0.6	-1.4	-2.4	-1.3	-0.4	0.6	-0.1	-0.2	-0.1	-0.2	0.1	0.0
10	AN	-5.9	-5.1	-5.6	-3.8	0.5	-0.3	-0.4	-0.4	-1.1	-0.8	-0.8	0.0
10	BN	-4.0	-3.4	-2.7	-3.8	3.6	-1.1	-0.6	-0.5	-0.5	-0.7	0.2	0.1
10	D	-2.5	-1.3	-0.6	-0.6	1.6	-1.0	-0.2	-0.1	0.2	0.3	0.3	0.1
10	C	-9.9	-6.7	-4.2	-10.9	-3.6	-1.0	-0.8	-0.6	-0.2	-0.6	0.2	0.0
10	All	-4.0	-3.3	-3.0	-3.8	0.0	-0.4	-0.4	-0.4	-0.3	-0.4	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-103. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Sacramento River below Keswick, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-104. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Sacramento River near Bend Bridge, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.2	-3.2	-3.2	-3.2	-3.2	-0.2	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.8	-5.8	-5.8	-5.8	-5.8	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
9	All	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-105. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Sacramento River at Red Bluff Diversion Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-2.8	-2.8	-2.8	-2.8	-2.8	0.2	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-7.1	-8.1	-8.1	-8.1	-7.3	0.4	-0.8	-1.2	-1.2	-1.2	-1.0	0.0
9	All	-1.2	-1.3	-1.3	-1.3	-1.2	0.1	-0.8	-1.2	-1.2	-1.2	-1.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-106. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-19.2	-19.4	-24.4	-21.5	-9.2	-4.6	0.0	-0.9	-2.9	-2.8	-1.2	0.2
9	All	-3.1	-3.2	-4.0	-3.5	-1.5	-0.7	0.0	-0.9	-2.9	-2.8	-1.2	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-107. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-0.2	-0.2	-0.5	-0.6	-0.6	-0.6	0.1	0.1	-0.3	-0.3	-0.3	-0.3
4	C	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
4	All	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.1	0.0	-0.3	0.2	-0.3	-0.3
5	W	-0.9	-0.4	-1.8	-2.2	-2.6	0.8	-0.1	-0.3	-0.3	-0.4	-0.5	0.0
5	AN	0.0	-0.3	1.1	-0.5	2.2	-0.8	0.0	-0.2	0.0	-0.5	-0.3	-0.5
5	BN	-0.2	0.0	1.3	1.3	0.6	0.2	0.0	0.0	0.4	0.9	0.3	0.0
5	D	-0.7	-1.3	-1.6	-1.9	-2.1	-0.1	-0.3	-0.6	-0.4	-0.4	-0.7	-0.1
5	C	1.0	1.6	1.4	1.2	1.6	0.2	-0.3	-0.4	-0.4	-0.8	-0.7	-0.3
5	All	-0.3	-0.2	-0.3	-0.8	-0.7	0.2	-0.2	-0.3	-0.3	-0.3	-0.5	-0.1
6	W	0.2	-0.7	0.2	-0.4	-1.9	0.7	-0.1	-0.1	-0.1	0.0	0.0	-0.1
6	AN	-0.8	-0.6	1.1	-1.4	0.8	4.2	-0.1	0.1	-0.4	-0.6	-0.1	0.0
6	BN	0.0	0.2	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.2
6	D	0.9	1.4	0.3	0.5	0.3	-0.3	0.3	0.1	0.3	0.0	0.3	0.0
6	C	13.8	9.0	10.0	5.4	13.5	-0.4	0.4	0.6	0.5	0.5	0.4	0.1
6	All	2.9	1.9	2.3	0.9	2.0	0.7	-0.1	0.0	-0.1	0.0	-0.1	0.0
7	W	-1.0	-1.1	-0.4	-0.4	-0.8	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1
7	AN	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.9	0.9	2.9	0.0	4.8	0.0	0.2	0.2	0.2	0.0	0.4	0.0
7	C	13.7	18.8	19.8	10.7	33.3	-0.6	-0.5	-0.3	-0.5	-0.4	-0.3	0.4
7	All	2.1	3.3	3.9	1.6	6.6	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2
9	W	-2.0	-2.0	-2.0	-2.0	-2.0	-0.4	-1.2	-1.2	-1.2	-1.2	-1.2	-0.2
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.1	-1.1	-0.9	-1.1	-1.1	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.3
9	D	-5.3	-5.2	-5.2	-5.3	-5.3	-3.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
9	C	-30.2	-31.0	-31.7	-31.3	-18.5	-4.6	1.0	0.7	-2.2	-1.6	0.1	-0.1
9	All	-6.9	-7.0	-7.1	-7.1	-5.0	-1.6	1.8	1.4	-1.5	-0.7	1.0	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-108. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-0.1	-0.2	-0.3	-0.3	-0.7	-0.1	0.1	0.2	-0.1	-0.1	-0.6	0.1
4	AN	-0.6	-0.8	-1.4	-1.1	-1.7	-1.4	-0.1	0.0	-0.3	0.2	-0.3	-0.3
4	BN	-1.4	-2.2	-4.9	-5.7	-7.1	-5.7	0.0	-0.2	-0.3	0.0	-0.3	-0.3
4	D	0.2	-3.6	-7.0	-7.0	-8.0	-5.8	0.0	0.1	0.0	-0.3	-0.3	-0.2
4	C	0.2	0.0	-3.1	-0.4	-6.0	0.2	0.1	0.0	-0.3	0.1	-0.2	0.0
4	All	-0.3	-1.4	-3.2	-2.9	-4.6	-2.4	0.0	0.0	-0.1	-0.1	-0.2	-0.1
5	W	-2.4	-1.6	-1.8	-3.1	-1.8	2.6	-0.1	-0.1	-0.3	-0.3	-0.6	-0.1
5	AN	-0.3	-0.8	3.2	-0.3	6.5	6.7	0.0	-0.2	-0.1	-0.4	-0.2	-0.5
5	BN	-3.2	-3.8	-0.9	-1.5	-1.7	-3.8	-0.3	-0.2	0.2	0.2	0.0	0.3
5	D	-4.4	-0.7	-0.3	-2.1	-5.3	-2.9	0.0	-0.3	-0.3	-0.3	-0.2	0.1
5	C	15.1	12.7	12.1	9.9	8.7	-0.6	0.0	0.3	0.2	0.0	0.2	-0.2
5	All	0.2	0.6	1.6	-0.1	-0.2	0.3	-0.1	-0.1	-0.1	-0.2	-0.2	0.0
6	W	-0.7	-2.2	-1.6	-1.9	1.8	1.2	0.0	0.0	0.0	-0.1	-0.3	-0.1
6	AN	-3.9	-5.0	7.8	-3.3	-0.6	14.7	-0.1	0.0	0.3	0.1	0.2	0.4
6	BN	-0.8	-0.4	-1.2	1.0	4.1	3.3	0.0	0.0	-0.1	0.0	0.6	0.2
6	D	5.8	8.0	2.3	7.4	4.5	1.2	-0.1	-0.2	-0.1	-0.3	-0.2	-0.3
6	C	24.6	24.0	26.0	17.5	28.5	1.7	0.7	0.6	0.6	0.5	0.6	-0.1
6	All	4.6	4.5	5.1	3.8	6.8	3.2	0.2	0.2	0.2	0.1	0.1	0.0
7	W	-1.8	-2.2	-1.8	-2.3	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
7	AN	-0.3	0.0	2.2	0.0	4.6	1.9	-0.1	-0.1	0.3	-0.1	0.3	0.1
7	BN	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	D	3.2	7.5	13.8	3.4	20.4	2.2	0.5	0.3	0.4	0.0	0.6	0.0
7	C	33.3	40.3	48.2	34.5	52.0	1.8	0.8	0.8	0.8	0.7	1.1	-0.1
7	All	5.5	8.5	11.0	5.7	15.4	0.9	0.4	0.4	0.4	0.3	0.5	-0.1
8	W	-6.2	-5.6	-5.3	-5.6	-5.5	-0.6	-1.1	-1.0	-1.0	-1.0	-1.1	-0.2
8	AN	0.3	2.7	-0.3	3.8	-0.3	3.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	BN	-0.4	-0.2	-0.4	0.0	-0.4	0.4	-0.3	0.2	-0.3	0.3	0.7	-0.1
8	D	0.1	-0.1	0.7	-0.3	5.4	-0.3	-0.5	0.5	-0.1	-0.5	-0.1	-0.5
8	C	-11.3	-12.7	-2.8	-10.9	10.1	-4.6	-1.1	-1.3	-1.6	-1.2	-1.3	0.6
8	All	-3.8	-3.5	-2.0	-3.1	1.2	-0.5	-0.9	-1.1	-1.2	-1.0	-1.0	0.0
9	W	-1.3	-1.2	-1.1	-0.9	0.4	-0.2	-1.0	-1.0	-1.0	-1.1	-1.3	-0.1
9	AN	-0.6	0.6	-0.6	0.8	8.9	6.9	0.0	0.3	0.0	0.2	0.7	0.7
9	BN	-4.7	-3.2	-1.3	0.0	-2.5	1.5	-0.2	-0.3	-0.3	-0.4	-0.5	0.1
9	D	-17.1	-16.8	-14.8	-17.1	-13.8	-2.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.3
9	C	-37.5	-40.4	-46.0	-46.3	-31.3	-2.7	-1.2	-1.2	-1.8	-1.5	0.0	-0.2
9	All	-11.3	-11.3	-11.5	-11.6	-7.4	0.0	-0.9	-1.0	-1.3	-1.3	-0.5	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Fall-/Late Fall-Run Chinook Salmon

Table H1b-109. Summary of Potential Effects of Flow Scenarios on Fall-Run Chinook Salmon, Sacramento River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	2.2%	2.2%	2.2%	2.2%	2.2%	0.0%
[b] Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Adult Holding						
Favorable	13.3%	13.3%	10.0%	13.3%	6.7%	0.0%
Unfavorable	3.3%	3.3%	3.3%	3.3%	10.0%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	9.6%	6.4%	3.2%	20.0%	10.4%	0.0%
Unfavorable	0.0%	0.0%	1.6%	0.0%	3.2%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	0.0%	0.0%	1.4%	1.9%	3.8%	1.0%
Unfavorable	1.0%	1.4%	1.0%	1.0%	1.0%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-110. Summary of Potential Effects of Flow Scenarios on Late Fall-Run Chinook Salmon, Sacramento River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
[b] Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	0.0%	0.0%	0.6%	1.1%	6.9%	1.1%
Unfavorable	1.1%	2.3%	2.3%	2.3%	4.6%	0.6%
Fry and Juvenile Rearing and Emigration						
Favorable	4.2%	4.2%	8.2%	9.1%	5.5%	0.6%
Unfavorable	0.6%	0.9%	0.6%	0.6%	1.8%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-111. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-2.2	-2.2	-2.3	-2.2	-2.9	-0.1	-0.5	-0.5	-0.6	-0.6	-0.6	-0.4
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.3	-3.2	0.2	-4.2	-5.3	0.0	-0.5	-0.6	-0.3	-0.7	-0.8	0.2
9	D	-7.6	-6.2	-4.4	-9.1	-9.5	1.1	-0.9	-0.6	-0.8	-0.7	-0.9	-0.5
9	C	-29.6	-30.8	-36.5	-39.6	-27.3	0.0	-2.4	-2.7	-3.4	-2.6	0.4	-0.6
9	All	-7.4	-7.7	-7.6	-9.9	-8.4	0.2	-1.8	-2.0	-2.7	-2.1	0.8	-0.5
10	W	0.4	-0.3	-0.6	-0.4	0.8	-0.8	0.0	0.0	0.0	0.0	0.0	0.2
10	AN	-3.8	0.3	0.0	-8.3	6.5	1.1	-2.2	-3.0	-5.2	-1.3	-4.6	-0.7
10	BN	-0.2	0.0	7.2	-3.8	7.4	0.0	-4.9	-4.5	-6.5	-6.4	-3.9	0.2
10	D	-1.9	-1.8	-2.8	-9.1	-8.8	0.0	-1.9	-1.6	-3.9	-4.9	-4.5	-0.9
10	C	-12.1	-14.7	-20.2	-22.8	-17.7	2.2	-2.5	-1.7	0.7	-2.6	2.0	-0.3
10	All	-3.0	-3.9	-3.9	-8.6	-3.1	0.3	-1.9	-1.3	-2.4	-2.0	-1.3	-0.3
11	W	0.6	-0.9	3.6	-2.9	5.1	0.3	0.1	0.1	-0.1	0.2	0.0	0.1
11	AN	3.3	8.6	9.4	-5.8	14.7	4.2	-0.9	-0.6	-0.8	-0.3	-1.1	-0.4
11	BN	-0.2	-6.1	9.4	-6.1	4.3	-6.1	1.1	2.9	0.6	2.6	0.9	3.0
11	D	-2.3	-1.5	2.4	-2.3	-9.8	2.9	-0.3	-0.3	-0.6	-1.3	-1.0	-0.1
11	C	-6.5	-7.5	-4.2	-18.1	-6.9	0.4	-0.5	-0.5	-1.3	-1.1	-0.9	0.2
11	All	-1.0	-2.3	3.3	-7.1	0.8	0.3	-0.2	0.0	-0.4	-0.3	-0.4	0.2
12	W	1.3	1.5	2.6	1.9	2.9	1.4	0.0	0.0	0.1	0.0	0.0	0.0
12	AN	2.2	2.4	3.5	0.3	0.3	-0.5	0.1	0.1	0.0	0.1	-0.1	0.0
12	BN	0.4	0.6	0.2	0.4	-2.5	-0.8	0.0	-0.1	-0.2	-0.2	-0.2	-0.2
12	D	-2.9	-1.0	-0.6	-1.8	-5.3	-2.3	0.0	-0.1	-0.1	-0.2	-0.2	-0.1
12	C	3.8	4.2	3.6	-0.8	-1.8	-2.4	-0.1	0.0	-0.1	-0.2	-0.2	0.0
12	All	0.7	1.6	1.9	0.2	-1.1	-0.8	0.0	-0.1	-0.1	-0.1	-0.1	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.4	0.2	0.2	0.2	0.2	0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.2	-0.2	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-112. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-0.6	0.6	1.0	4.1	8.3	-0.4	-0.3	-0.4	-0.5	-0.6	-0.7	-0.1
9	AN	-2.5	7.8	3.1	4.7	20.6	5.8	-0.1	-0.1	-0.2	0.0	0.2	0.2
9	BN	-2.5	-1.7	5.1	3.4	10.6	4.5	-0.2	-0.1	-0.2	-0.2	-0.2	-0.1
9	D	-12.3	-20.3	-27.4	-19.4	-10.2	2.3	-0.5	-0.4	-0.2	-0.5	-0.5	-0.2
9	C	-17.1	-8.1	-11.9	-36.7	-10.8	-1.9	-2.7	-3.0	-3.5	-3.3	-2.0	-0.3
9	All	-6.5	-5.1	-6.5	-7.9	2.9	1.7	-1.1	-1.1	-1.3	-1.3	-1.0	-0.2
10	W	1.0	-0.4	4.7	-3.2	7.7	1.1	0.0	-0.1	-0.3	0.0	-0.2	0.0
10	AN	2.2	6.5	13.4	10.2	21.2	3.0	-2.3	-2.3	-3.7	-3.4	-3.1	-0.5
10	BN	-8.3	-12.3	-4.6	-14.2	-7.2	-9.1	-0.8	-0.4	-0.6	-1.2	1.0	0.6
10	D	-5.9	-7.2	-5.3	-9.5	-10.3	-5.3	-0.5	-0.2	-0.9	-1.3	-1.3	0.1
10	C	-9.5	-3.4	-0.6	-13.7	-7.3	0.0	-2.1	-2.2	-2.3	-3.1	-1.3	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	All	-3.8	-3.7	1.0	-6.6	0.2	-2.1	-0.9	-0.8	-1.3	-1.5	-0.8	0.1
11	W	2.0	-0.8	12.6	-3.3	12.6	0.6	-0.1	0.1	-0.4	0.2	-0.2	0.1
11	AN	4.7	4.4	12.5	2.8	22.2	2.2	-0.6	0.2	-0.4	-1.1	-0.6	0.1
11	BN	-2.7	-5.3	7.6	-6.1	1.6	-3.1	0.9	0.8	0.6	0.8	0.8	0.5
11	D	-13.0	-10.0	3.3	-5.3	-13.9	-6.1	0.1	0.0	-0.3	-0.7	-0.7	0.3
11	C	-4.8	-2.5	6.7	-6.3	-5.6	0.8	-0.6	-0.8	-1.7	-1.9	-1.0	0.1
11	All	-3.0	-3.3	8.5	-4.3	2.8	-1.3	-0.1	0.0	-0.5	-0.6	-0.3	0.2
12	W	1.3	0.9	2.7	1.1	1.6	1.0	0.0	0.1	0.0	0.0	0.1	0.0
12	AN	1.3	3.2	4.8	-1.1	0.8	-3.5	0.1	0.1	-0.1	0.1	-0.1	0.1
12	BN	0.0	1.7	1.9	1.3	-2.8	-0.6	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
12	D	-1.2	0.6	-0.9	-3.2	-5.0	-3.4	-0.1	-0.2	-0.1	-0.2	-0.3	0.0
12	C	5.2	5.0	4.4	0.4	-0.8	-2.0	-0.1	-0.1	-0.1	-0.3	-0.3	-0.1
12	All	1.2	2.1	2.5	-0.1	-1.2	-1.3	0.0	-0.1	-0.1	-0.1	-0.1	0.0
1	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.0	0.5	0.5
1	BN	0.2	0.2	0.2	0.2	0.2	0.0	0.3	0.1	0.3	0.1	0.1	0.2
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.1	0.1	0.1	0.1	0.1	0.0	0.3	0.2	0.3	0.0	0.1	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-113. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Balls Ferry, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	2.4	3.2	10.0	15.3	24.8	-0.9	-0.3	-0.2	-0.2	-0.3	-0.2	0.0
9	AN	-0.6	-14.7	-7.5	-5.0	21.7	1.1	-0.1	0.4	0.0	0.3	0.7	0.3
9	BN	-4.9	-5.5	7.4	-3.0	8.9	9.1	-0.2	-0.1	-0.2	0.0	-0.1	-0.1
9	D	-5.6	-13.5	-13.6	-10.9	-2.4	0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.2
9	C	-8.3	-3.3	-2.7	-22.5	-4.2	-2.5	-2.6	-2.7	-3.2	-3.2	-2.0	-0.2
9	All	-2.9	-5.8	-0.1	-2.6	10.6	1.2	-0.9	-0.8	-1.0	-1.0	-0.7	-0.1
10	W	-0.8	-1.6	2.8	-2.3	6.9	2.0	0.1	0.0	-0.1	0.0	0.0	0.0
10	AN	2.2	3.5	9.4	8.6	17.5	3.2	-1.6	-1.4	-2.6	-2.4	-2.1	-0.4
10	BN	-5.9	-10.4	0.8	-12.3	-1.5	-8.9	-0.8	-0.5	-0.8	-1.1	0.3	0.5
10	D	-6.0	-6.3	-4.1	-6.6	-2.2	-2.6	-0.4	-0.2	-0.7	-1.1	-1.1	-0.1
10	C	-8.5	-4.0	-2.0	-16.1	-1.4	-2.0	-1.7	-1.8	-1.7	-2.4	-1.1	0.2
10	All	-3.7	-3.9	0.9	-5.9	3.3	-1.4	-0.7	-0.7	-1.0	-1.2	-0.7	0.1
11	W	1.0	0.2	1.9	-2.0	2.3	0.3	0.0	0.0	0.0	0.1	0.1	0.0
11	AN	5.3	7.8	11.7	-2.5	10.3	4.2	-0.9	-0.4	-0.8	-0.9	-0.7	-0.3
11	BN	0.2	-2.2	8.6	-2.5	4.7	-2.2	0.6	0.9	0.1	0.7	0.4	0.9
11	D	-6.1	-3.8	-0.8	-5.8	-12.3	-2.1	-0.1	-0.2	-0.2	-0.7	-0.5	0.2
11	C	-4.0	-2.1	3.8	-9.4	-7.3	1.0	-0.4	-0.7	-1.3	-1.4	-0.6	0.1
11	All	-0.9	-0.7	3.8	-4.8	-1.2	-0.1	-0.2	-0.1	-0.4	-0.5	-0.2	0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	1.3	-2.2	2.2	-3.5	-0.8	0.0	0.0	-0.3	0.3	-0.5	-0.1
12	BN	0.8	-0.8	-0.6	0.6	-3.0	-1.5	-0.1	0.0	0.3	0.1	-0.2	0.1
12	D	-0.7	-2.3	-3.1	-3.2	-5.6	-1.0	0.0	-0.1	0.0	0.1	-0.7	-0.2
12	C	-1.2	-1.2	-4.4	-4.4	-4.6	-1.4	-0.2	-0.4	-0.7	-0.7	-0.7	-0.3
12	All	-0.2	-0.7	-1.8	-1.1	-3.0	-0.8	-0.1	-0.1	0.2	0.1	0.0	-0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-114. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River Near Bend Bridge, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	1.3	4.0	5.1	10.4	16.7	-0.9	-0.1	-0.1	0.1	0.2	0.4	0.0
9	AN	1.4	-13.9	-5.6	2.2	20.8	1.4	-0.1	0.2	-0.1	0.1	0.8	0.3
9	BN	-2.5	-3.4	1.5	-1.9	4.5	1.3	-0.2	-0.2	0.0	-0.1	0.0	0.2
9	D	-1.4	-7.0	-4.2	-2.3	0.3	0.2	-0.7	-0.7	-0.8	-0.8	-0.6	-0.2
9	C	-4.0	-1.7	-0.8	-12.1	-1.3	-0.6	-2.4	-2.4	-2.9	-3.1	-1.7	-0.3
9	All	-0.8	-3.0	0.1	0.6	8.3	0.1	-0.7	-0.7	-0.8	-0.8	-0.4	0.0
10	W	1.2	-1.4	3.7	0.1	9.5	3.5	0.0	0.0	-0.1	-0.1	-0.1	0.0
10	AN	1.1	3.2	6.5	5.6	18.8	2.7	-1.2	-1.1	-1.9	-1.6	-1.6	-0.2
10	BN	-3.4	-7.4	1.7	-11.6	0.8	-6.3	-0.8	-0.6	-0.7	-1.0	0.2	0.1
10	D	-4.8	-3.5	-0.9	-3.8	5.1	-0.3	-0.3	-0.2	-0.6	-0.8	-0.8	-0.2
10	C	-3.8	0.0	-4.4	-8.9	3.4	1.0	-1.5	-1.5	-1.2	-2.0	-0.9	0.0
10	All	-1.8	-2.1	1.3	-3.6	7.0	0.4	-0.7	-0.6	-0.8	-1.0	-0.6	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.8	0.7	2.1	-1.3	2.1	0.8	0.0	0.0	0.0	0.2	0.1	0.0
11	AN	3.9	8.6	11.4	-0.6	10.0	3.3	-1.0	-0.7	-1.0	-1.0	-0.9	-0.3
11	BN	1.2	0.4	4.5	0.0	2.5	0.6	0.4	0.3	0.2	0.1	0.4	0.3
11	D	-4.7	-4.4	0.2	-5.5	-9.7	-1.5	-0.1	-0.1	-0.3	-0.7	-0.3	0.2
11	C	-2.3	-3.3	-0.2	-7.7	-7.3	1.7	-0.4	-0.4	-0.9	-1.2	-0.4	0.1
11	All	-0.5	-0.6	2.4	-3.6	-1.0	0.7	-0.2	-0.1	-0.4	-0.5	-0.2	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.3	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
12	BN	0.0	-0.6	0.6	0.6	-1.7	-0.8	0.0	0.1	0.2	0.2	-0.5	0.2
12	D	-0.4	-0.4	-0.6	-0.6	-1.5	-1.3	-0.1	0.1	0.3	0.1	-0.2	-0.2
12	C	-1.0	-1.2	-1.2	-1.2	-1.2	-0.8	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
12	All	-0.3	-0.4	-0.2	0.0	-0.8	-0.6	-0.1	0.0	0.2	0.1	-0.4	0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-115. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Red Bluff Diversion Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	2.3	3.1	3.7	6.3	8.3	0.6	-0.1	0.0	0.2	0.4	0.6	0.0
9	AN	0.6	-5.6	6.1	6.9	9.2	-2.2	-0.1	-0.1	-0.3	0.0	1.1	0.3
9	BN	-0.2	-0.4	0.4	-0.6	0.4	0.0	-0.3	-0.2	0.0	-0.1	0.1	0.2
9	D	0.0	-1.4	-0.3	0.2	0.5	0.2	-0.7	-0.8	-0.8	-0.8	-0.5	-0.2
9	C	-0.6	0.0	0.0	-3.3	0.0	0.0	-2.3	-2.2	-2.6	-3.1	-1.6	-0.3
9	All	0.6	-0.1	1.9	2.2	3.8	-0.1	-0.7	-0.6	-0.7	-0.7	-0.1	0.0
10	W	1.1	0.6	5.2	4.1	7.5	5.7	0.0	-0.1	-0.1	-0.1	0.2	0.0
10	AN	2.4	1.3	0.5	5.9	11.3	2.2	-0.7	-0.5	-0.8	-0.8	-0.4	0.0
10	BN	-2.5	-1.9	4.6	-2.8	9.3	4.7	-0.5	-0.5	-0.5	-0.8	0.0	-0.3
10	D	-2.1	0.7	3.8	0.3	9.4	-0.9	-0.3	-0.3	-0.4	-0.5	-0.4	0.0
10	C	0.0	1.6	2.8	0.4	6.3	1.4	-1.1	-1.0	-1.0	-1.5	-0.6	0.0
10	All	-0.3	0.5	3.8	1.6	8.4	2.9	-0.4	-0.4	-0.5	-0.7	-0.2	-0.1
11	W	1.2	1.0	2.9	-0.1	5.8	0.8	0.0	0.0	0.0	0.0	-0.1	0.0
11	AN	3.9	6.4	7.8	0.8	7.8	2.2	-0.4	0.0	-0.2	-0.6	-0.1	0.1
11	BN	1.4	0.6	4.5	-1.0	2.4	0.8	0.2	0.2	0.2	0.1	0.3	0.2
11	D	-5.8	-3.3	0.9	-5.9	-9.1	-2.1	-0.1	-0.2	-0.3	-0.5	-0.5	0.2
11	C	0.2	3.5	3.1	-2.1	-5.4	6.7	-0.5	-0.7	-0.9	-1.1	-0.5	-0.2
11	All	-0.1	0.8	3.1	-2.2	0.2	1.3	-0.2	-0.2	-0.2	-0.4	-0.2	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	1.1	1.1	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.7	-0.1
12	D	-0.3	0.0	0.3	0.1	-0.6	-0.6	-0.3	0.0	0.1	-0.1	-0.3	-0.3
12	C	-1.0	-1.0	-1.0	-1.0	-1.0	-0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
12	All	-0.2	-0.2	0.1	0.1	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.4	0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-116. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-117. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Clear Creek, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-118. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-0.2	-0.2	-0.5	-0.6	-0.6	-0.6	0.1	0.1	-0.3	-0.3	-0.3	-0.3
4	C	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
4	All	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.1	0.0	-0.3	0.2	-0.3	-0.3
5	W	-0.9	-0.4	-1.8	-2.2	-2.6	0.8	-0.1	-0.3	-0.3	-0.4	-0.5	0.0
5	AN	0.0	-0.3	1.1	-0.5	2.2	-0.8	0.0	-0.2	0.0	-0.5	-0.3	-0.5
5	BN	-0.2	0.0	1.3	1.3	0.6	0.2	0.0	0.0	0.4	0.9	0.3	0.0
5	D	-0.7	-1.3	-1.6	-1.9	-2.1	-0.1	-0.3	-0.6	-0.4	-0.4	-0.7	-0.1
5	C	1.0	1.6	1.4	1.2	1.6	0.2	-0.3	-0.4	-0.4	-0.8	-0.7	-0.3
5	All	-0.3	-0.2	-0.3	-0.8	-0.7	0.2	-0.2	-0.3	-0.3	-0.3	-0.5	-0.1
6	W	0.2	-0.7	0.2	-0.4	-1.9	0.7	-0.1	-0.1	-0.1	0.0	0.0	-0.1
6	AN	-0.8	-0.6	1.1	-1.4	0.8	4.2	-0.1	0.1	-0.4	-0.6	-0.1	0.0
6	BN	0.0	0.2	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.2
6	D	0.9	1.4	0.3	0.5	0.3	-0.3	0.3	0.1	0.3	0.0	0.3	0.0
6	C	13.8	9.0	10.0	5.4	13.5	-0.4	0.4	0.6	0.5	0.5	0.4	0.1
6	All	2.9	1.9	2.3	0.9	2.0	0.7	-0.1	0.0	-0.1	0.0	-0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-119. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River Near Bend Bridge, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.4	-0.8	-1.4	-1.0	-1.4	-1.2	0.0	-0.2	-0.6	-0.6	-0.6	-0.6
4	D	0.0	-0.2	-1.5	-2.6	-2.6	-1.4	-0.1	-0.1	-0.4	-0.7	-0.7	-0.3
4	C	0.2	0.0	-0.6	0.4	-1.0	0.0	0.1	0.0	-0.4	0.3	-0.4	0.0
4	All	-0.1	-0.2	-0.7	-0.7	-1.0	-0.5	0.0	0.0	-0.4	-0.2	-0.6	-0.3
5	W	-1.1	-0.4	-1.2	-2.3	-2.8	1.7	-0.2	-0.2	-0.4	-0.4	-0.6	-0.1
5	AN	0.0	-1.9	1.1	-1.9	2.2	-0.8	0.0	0.0	0.0	-0.2	0.0	-0.3
5	BN	-2.7	-2.3	0.9	0.8	-0.6	-0.8	-0.3	-0.1	0.0	0.2	-0.1	0.2
5	D	-1.8	-1.3	-1.0	-1.6	-2.5	-0.9	-0.2	-0.5	-0.5	-0.7	-0.5	0.0
5	C	4.0	6.5	4.6	3.0	5.2	-2.0	0.1	0.2	0.1	0.0	0.1	0.3
5	All	-0.7	-0.1	0.5	-0.6	-0.6	-0.2	-0.1	-0.1	-0.3	-0.3	-0.3	0.0
6	W	-0.3	-1.4	-0.2	-0.9	2.2	1.1	0.0	-0.1	-0.1	-0.1	-0.3	0.0
6	AN	-4.4	-3.3	9.7	-1.7	0.8	15.8	0.1	0.0	0.2	0.0	0.2	0.3
6	BN	-0.8	-0.4	-1.6	0.8	4.1	2.9	-0.1	-0.1	-0.1	0.0	0.5	0.1
6	D	4.7	7.7	2.0	5.6	2.9	1.4	-0.1	-0.3	-0.1	-0.4	-0.2	-0.4
6	C	20.2	19.4	22.3	13.3	26.7	0.4	0.7	0.6	0.6	0.5	0.5	-0.1
6	All	3.7	4.1	5.0	3.2	6.2	3.1	0.2	0.1	0.1	0.0	0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-120. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.1	-0.2	-0.3	-0.3	-0.7	-0.1	0.1	0.2	-0.1	-0.1	-0.6	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-0.6	-0.8	-1.4	-1.1	-1.7	-1.4	-0.1	0.0	-0.3	0.2	-0.3	-0.3
4	BN	-1.4	-2.2	-4.9	-5.7	-7.1	-5.7	0.0	-0.2	-0.3	0.0	-0.3	-0.3
4	D	0.2	-3.6	-7.0	-7.0	-8.0	-5.8	0.0	0.1	0.0	-0.3	-0.3	-0.2
4	C	0.2	0.0	-3.1	-0.4	-6.0	0.2	0.1	0.0	-0.3	0.1	-0.2	0.0
4	All	-0.3	-1.4	-3.2	-2.9	-4.6	-2.4	0.0	0.0	-0.1	-0.1	-0.2	-0.1
5	W	-2.4	-1.6	-1.8	-3.1	-1.8	2.6	-0.1	-0.1	-0.3	-0.3	-0.6	-0.1
5	AN	-0.3	-0.8	3.2	-0.3	6.5	6.7	0.0	-0.2	-0.1	-0.4	-0.2	-0.5
5	BN	-3.2	-3.8	-0.9	-1.5	-1.7	-3.8	-0.3	-0.2	0.2	0.2	0.0	0.3
5	D	-4.4	-0.7	-0.3	-2.1	-5.3	-2.9	0.0	-0.3	-0.3	-0.3	-0.2	0.1
5	C	15.1	12.7	12.1	9.9	8.7	-0.6	0.0	0.3	0.2	0.0	0.2	-0.2
5	All	0.2	0.6	1.6	-0.1	-0.2	0.3	-0.1	-0.1	-0.1	-0.2	-0.2	0.0
6	W	-0.7	-2.2	-1.6	-1.9	1.8	1.2	0.0	0.0	0.0	-0.1	-0.3	-0.1
6	AN	-3.9	-5.0	7.8	-3.3	-0.6	14.7	-0.1	0.0	0.3	0.1	0.2	0.4
6	BN	-0.8	-0.4	-1.2	1.0	4.1	3.3	0.0	0.0	-0.1	0.0	0.6	0.2
6	D	5.8	8.0	2.3	7.4	4.5	1.2	-0.1	-0.2	-0.1	-0.3	-0.2	-0.3
6	C	24.6	24.0	26.0	17.5	28.5	1.7	0.7	0.6	0.6	0.5	0.6	-0.1
6	All	4.6	4.5	5.1	3.8	6.8	3.2	0.2	0.2	0.2	0.1	0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-121. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Wilkins Slough, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
3	All	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
4	W	0.0	-0.4	-1.3	-1.8	-2.6	0.2	0.0	0.0	-0.1	0.0	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	-1.1	-2.8	-3.6	-4.7	-3.6	0.0	0.1	-0.1	0.2	-0.4	0.1
4	BN	-0.6	-2.9	-8.8	-11.2	-15.7	-11.2	0.0	-0.2	-0.4	-0.5	-0.8	-0.3
4	D	1.1	-4.5	-12.1	-10.9	-17.1	-7.4	0.1	-0.1	-0.5	-0.5	-0.6	-0.3
4	C	3.3	-0.2	-6.0	3.8	-15.8	1.3	0.1	0.1	-0.2	0.0	-0.3	0.1
4	All	0.6	-2.0	-6.2	-5.0	-11.1	-3.7	0.1	0.0	-0.3	-0.1	-0.3	-0.1
5	W	-0.4	-0.4	-4.6	-7.8	-5.8	0.1	-0.2	-0.3	-0.4	-0.7	-0.7	0.1
5	AN	0.5	0.8	-1.3	-6.7	-8.3	-0.3	0.0	-0.3	-0.7	-1.2	-1.0	-0.2
5	BN	-0.8	-2.8	-8.9	-13.3	-12.5	-9.3	-0.3	-0.4	-0.7	-0.7	-1.2	-0.5
5	D	0.3	1.0	-3.8	-2.5	-9.1	-7.8	-0.1	0.2	-0.4	-0.1	-0.6	-0.6
5	C	3.0	-0.2	-2.8	2.6	-6.0	-0.6	1.6	1.5	1.0	1.6	0.2	-0.2
5	All	0.4	-0.3	-4.4	-5.7	-8.1	-3.5	0.2	0.2	-0.2	-0.1	-0.6	-0.3
6	W	-0.2	-0.8	-3.0	-2.7	-6.1	0.2	-0.2	-0.7	-1.4	-1.3	-1.6	0.1
6	AN	0.0	-4.2	-7.8	-3.1	-13.1	0.6	-0.1	-1.0	-1.6	-1.6	-2.2	0.6
6	BN	0.2	-3.5	-1.8	-2.2	1.0	-0.4	-0.2	-0.5	-0.6	-0.5	-0.5	0.3
6	D	0.3	-0.3	1.4	2.9	1.5	-0.8	0.7	1.0	0.4	1.4	0.7	-0.2
6	C	0.8	1.7	3.7	4.2	3.5	0.4	2.1	2.1	1.5	1.8	1.0	0.0
6	All	0.2	-1.2	-1.3	-0.2	-2.4	0.0	0.4	0.2	-0.4	0.0	-0.5	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-122. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Sacramento River below Keswick, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-123. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Sacramento River near Bend Bridge, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.2	-3.2	-3.2	-3.2	-3.2	-0.2	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.8	-5.8	-5.8	-5.8	-5.8	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
9	All	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-124. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Sacramento River at Red Bluff Diversion Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-2.8	-2.8	-2.8	-2.8	-2.8	0.2	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-7.1	-8.1	-8.1	-8.1	-7.3	0.4	-0.8	-1.2	-1.2	-1.2	-1.0	0.0
9	All	-1.2	-1.3	-1.3	-1.3	-1.2	0.1	-0.8	-1.2	-1.2	-1.2	-1.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-0.3	-0.5	-0.5	-0.5	-0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
10	All	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-125. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Holding, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-126. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Holding, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-1.0	-1.1	-0.4	-0.4	-0.8	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1
7	AN	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.9	0.9	2.9	0.0	4.8	0.0	0.2	0.2	0.2	0.0	0.4	0.0
7	C	13.7	18.8	19.8	10.7	33.3	-0.6	-0.5	-0.3	-0.5	-0.4	-0.3	0.4
7	All	2.1	3.3	3.9	1.6	6.6	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-127. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Holding, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-1.8	-2.2	-1.8	-2.3	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
7	AN	-0.3	0.0	2.2	0.0	4.6	1.9	-0.1	-0.1	0.3	-0.1	0.3	0.1
7	BN	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	D	3.2	7.5	13.8	3.4	20.4	2.2	0.5	0.3	0.4	0.0	0.6	0.0
7	C	33.3	40.3	48.2	34.5	52.0	1.8	0.8	0.8	0.8	0.7	1.1	-0.1
7	All	5.5	8.5	11.0	5.7	15.4	0.9	0.4	0.4	0.4	0.3	0.5	-0.1
8	W	-6.2	-5.6	-5.3	-5.6	-5.5	-0.6	-1.1	-1.0	-1.0	-1.0	-1.1	-0.2
8	AN	0.3	2.7	-0.3	3.8	-0.3	3.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.1
8	BN	-0.4	-0.2	-0.4	0.0	-0.4	0.4	-0.3	0.2	-0.3	0.3	0.7	-0.1
8	D	0.1	-0.1	0.7	-0.3	5.4	-0.3	-0.5	0.5	-0.1	-0.5	-0.1	-0.5
8	C	-11.3	-12.7	-2.8	-10.9	10.1	-4.6	-1.1	-1.3	-1.6	-1.2	-1.3	0.6
8	All	-3.8	-3.5	-2.0	-3.1	1.2	-0.5	-0.9	-1.1	-1.2	-1.0	-1.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-128. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	1.3	1.5	2.6	1.9	2.9	1.4	0.0	0.0	0.1	0.0	0.0	0.0
12	AN	2.2	2.4	3.5	0.3	0.3	-0.5	0.1	0.1	0.0	0.1	-0.1	0.0
12	BN	0.4	0.6	0.2	0.4	-2.5	-0.8	0.0	-0.1	-0.2	-0.2	-0.2	-0.2
12	D	-2.9	-1.0	-0.6	-1.8	-5.3	-2.3	0.0	-0.1	-0.1	-0.2	-0.2	-0.1
12	C	3.8	4.2	3.6	-0.8	-1.8	-2.4	-0.1	0.0	-0.1	-0.2	-0.2	0.0
12	All	0.7	1.6	1.9	0.2	-1.1	-0.8	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.4	0.2	0.2	0.2	0.2	0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.3	-0.3	-0.6	-0.6	-1.1	-0.3	0.0	0.0	-0.1	-0.1	-0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-0.8	-0.8	-2.2	-0.8	-1.9	-0.8	-0.3	-0.3	-0.5	-0.1	-0.5	-0.3
4	BN	-2.0	-1.0	-1.6	-2.0	0.8	-3.5	-0.2	-0.1	-0.1	0.0	-0.3	-0.5
4	D	-2.1	0.8	-1.7	-2.6	-3.0	-4.4	-0.2	-0.1	-0.1	-0.3	-0.2	-0.2
4	C	0.0	-4.8	-5.8	0.8	-7.5	-1.3	0.1	0.2	0.1	0.0	-0.2	0.0
4	All	-1.5	-1.4	-2.0	-1.5	-2.8	-2.0	-0.1	0.0	0.0	-0.1	-0.1	-0.2
5	W	-0.1	1.9	3.4	3.5	9.8	2.7	-0.1	-0.2	-0.3	-0.3	-0.3	-0.1
5	AN	0.5	-0.3	10.2	5.1	15.3	6.2	0.1	0.1	0.2	0.2	0.3	0.1
5	BN	0.0	3.8	7.0	6.1	9.1	0.9	0.1	0.0	0.3	0.2	0.2	0.0
5	D	-0.6	2.3	2.8	2.3	-2.6	-1.9	0.2	0.1	0.1	0.1	0.0	0.0
5	C	-2.0	-1.2	-2.8	-0.4	1.6	2.0	0.3	0.2	0.1	0.2	0.1	0.0
5	All	-0.3	1.5	3.8	3.1	5.7	1.7	0.1	0.0	0.0	0.0	0.0	0.0
6	W	0.0	-0.3	4.0	2.6	6.0	1.7	0.0	0.0	0.0	0.1	-0.1	0.1
6	AN	-4.4	-1.7	5.0	0.3	-1.1	8.1	0.4	0.1	0.0	-0.1	-0.4	0.1
6	BN	-2.2	-1.8	-2.0	-1.4	4.7	2.2	-0.4	-0.1	-0.5	-0.3	-0.3	-0.1
6	D	7.1	12.6	1.4	6.1	1.8	2.7	0.0	0.0	0.1	-0.1	0.1	-0.1
6	C	-0.6	1.5	10.2	-10.4	15.6	-1.0	0.4	0.3	0.3	0.3	0.3	0.0
6	All	0.6	2.6	3.5	0.3	5.0	2.2	0.2	0.1	0.1	0.0	0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-129. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	1.3	0.9	2.7	1.1	1.6	1.0	0.0	0.1	0.0	0.0	0.1	0.0
12	AN	1.3	3.2	4.8	-1.1	0.8	-3.5	0.1	0.1	-0.1	0.1	-0.1	0.1
12	BN	0.0	1.7	1.9	1.3	-2.8	-0.6	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
12	D	-1.2	0.6	-0.9	-3.2	-5.0	-3.4	-0.1	-0.2	-0.1	-0.2	-0.3	0.0
12	C	5.2	5.0	4.4	0.4	-0.8	-2.0	-0.1	-0.1	-0.1	-0.3	-0.3	-0.1
12	All	1.2	2.1	2.5	-0.1	-1.2	-1.3	0.0	-0.1	-0.1	-0.1	-0.1	0.0
1	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.0	0.5	0.5
1	BN	0.2	0.2	0.2	0.2	0.2	0.0	0.3	0.1	0.3	0.1	0.1	0.2
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.1	0.1	0.1	0.1	0.1	0.0	0.3	0.2	0.3	0.0	0.1	0.2
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.1	0.3	-0.1	0.0	-0.1	-0.6	-0.1	-0.1	0.1	0.0	0.1	-0.3
3	C	-1.8	-2.4	-2.4	-2.0	-2.4	-1.8	-0.2	-0.5	-0.5	0.0	-0.5	-0.2
3	All	-0.3	-0.3	-0.4	-0.3	-0.4	-0.4	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1
4	W	-1.1	-1.2	-2.6	-3.8	-5.0	-1.2	0.0	0.0	-0.2	-0.2	-0.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-1.4	-2.5	-6.1	-7.2	-11.1	-10.6	0.0	0.0	-0.1	0.1	-0.1	0.0
4	BN	-0.6	-2.0	-7.3	-7.6	-9.4	-10.2	-0.1	-0.2	-0.1	-0.2	-0.2	-0.4
4	D	-0.9	-4.5	-14.5	-11.5	-28.5	-17.4	0.0	0.0	0.0	-0.1	0.0	-0.1
4	C	-3.1	-9.4	-17.7	-10.4	-26.0	-2.9	-0.1	-0.3	-0.3	0.1	-0.6	-0.1
4	All	-1.4	-3.7	-9.0	-7.8	-16.2	-7.9	0.0	-0.1	-0.1	-0.1	-0.2	-0.1
5	W	0.8	2.5	11.3	12.0	22.0	6.9	-0.1	0.0	-0.1	-0.2	-0.2	0.0
5	AN	3.0	3.0	25.0	17.2	34.4	20.2	0.0	-0.1	0.1	-0.1	0.2	-0.1
5	BN	-2.7	4.7	8.3	10.6	16.1	2.1	0.0	0.0	0.3	0.2	0.1	-0.1
5	D	-1.0	3.5	2.1	2.8	-13.3	-1.3	0.0	0.1	0.0	0.0	0.0	-0.1
5	C	1.6	6.7	0.8	-5.6	-5.4	-1.6	0.0	0.1	0.0	0.0	0.2	0.1
5	All	0.2	3.9	8.6	7.4	9.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0
6	W	1.4	3.0	10.6	8.6	20.4	4.4	-0.1	-0.3	-0.3	-0.4	-0.4	-0.1
6	AN	-4.2	0.3	22.2	11.4	23.1	13.9	-0.3	-0.2	-0.5	-0.6	-0.9	-0.1
6	BN	-2.4	1.6	11.0	7.1	23.5	2.2	-0.2	-0.4	-0.9	-0.5	-0.6	0.0
6	D	7.4	12.4	2.3	4.7	8.8	1.7	0.3	0.4	-0.2	0.2	-0.3	0.1
6	C	12.5	14.8	22.3	7.9	26.3	-1.7	0.1	0.2	0.2	-0.1	0.3	0.0
6	All	3.2	6.4	12.0	7.6	19.4	3.5	0.1	0.0	-0.1	-0.2	-0.2	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-130. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Balls Ferry, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	1.3	-2.2	2.2	-3.5	-0.8	0.0	0.0	-0.3	0.3	-0.5	-0.1
12	BN	0.8	-0.8	-0.6	0.6	-3.0	-1.5	-0.1	0.0	0.3	0.1	-0.2	0.1
12	D	-0.7	-2.3	-3.1	-3.2	-5.6	-1.0	0.0	-0.1	0.0	0.1	-0.7	-0.2
12	C	-1.2	-1.2	-4.4	-4.4	-4.6	-1.4	-0.2	-0.4	-0.7	-0.7	-0.7	-0.3
12	All	-0.2	-0.7	-1.8	-1.1	-3.0	-0.8	-0.1	-0.1	0.2	0.1	0.0	-0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	AN	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	BN	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	D	-0.4	-0.4	-1.0	-0.7	-1.0	-0.4	0.1	-0.2	-0.4	0.1	-0.4	0.1
3	C	-1.4	-2.0	-2.0	-1.8	-2.2	-1.8	-0.3	-0.5	-0.5	-0.2	-0.5	-0.2
3	All	-0.3	-0.4	-0.6	-0.5	-0.6	-0.4	-0.2	-0.3	-0.5	-0.1	-0.5	-0.1
4	W	-2.4	-3.6	-4.7	-6.2	-7.9	-2.1	0.0	-0.1	-0.3	-0.3	-0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-3.1	-3.1	-8.9	-10.0	-15.6	-14.2	-0.1	-0.1	-0.2	-0.1	-0.4	0.0
4	BN	-3.7	-3.7	-6.1	-8.8	-14.3	-6.9	0.0	-0.2	-0.4	-0.4	-0.5	-0.5
4	D	-1.1	-5.8	-20.3	-12.6	-33.9	-12.6	0.0	-0.1	-0.2	-0.3	-0.3	-0.3
4	C	0.0	-5.6	-15.6	-5.2	-30.4	-3.1	0.0	-0.2	-0.4	-0.1	-0.6	0.0
4	All	-2.0	-4.4	-10.7	-8.4	-20.3	-6.9	0.0	-0.1	-0.3	-0.2	-0.4	-0.2
5	W	0.2	-0.1	2.7	-1.1	9.5	1.6	-0.1	-0.1	0.1	0.1	0.2	0.2
5	AN	0.5	-0.3	5.1	-3.2	4.8	6.2	0.1	0.0	0.4	0.2	0.8	0.4
5	BN	-1.5	0.6	0.0	-1.5	2.7	-4.7	-0.2	0.0	0.1	0.2	0.2	0.0
5	D	3.5	9.5	3.5	8.7	-2.9	-4.8	-0.2	0.0	-0.1	-0.2	-0.5	-0.1
5	C	9.1	10.1	4.0	8.3	-4.4	-7.5	0.2	0.3	0.2	0.1	0.2	0.1
5	All	2.1	3.8	2.9	2.3	2.3	-1.9	-0.1	0.0	0.1	0.1	0.1	0.1
6	W	0.0	-5.7	-15.7	-13.8	-17.8	1.8	-0.1	-0.2	0.1	0.0	0.7	0.1
6	AN	0.8	-15.3	-28.1	-23.6	-18.3	7.5	-0.3	-0.2	1.2	0.4	0.4	0.7
6	BN	-4.5	-2.2	8.2	-1.2	19.2	7.8	-0.1	0.1	0.1	0.3	0.6	0.0
6	D	13.6	26.1	27.4	28.3	37.4	-1.5	0.4	0.4	-0.2	0.1	-0.1	0.2
6	C	17.9	21.7	24.2	21.3	24.0	-1.9	0.6	0.5	0.6	0.1	0.8	0.0
6	All	5.3	5.4	3.3	2.5	8.0	2.2	0.1	0.1	0.2	0.1	0.4	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-131. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River Near Bend Bridge, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.3	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
12	BN	0.0	-0.6	0.6	0.6	-1.7	-0.8	0.0	0.1	0.2	0.2	-0.5	0.2
12	D	-0.4	-0.4	-0.6	-0.6	-1.5	-1.3	-0.1	0.1	0.3	0.1	-0.2	-0.2
12	C	-1.0	-1.2	-1.2	-1.2	-1.2	-0.8	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
12	All	-0.3	-0.4	-0.2	0.0	-0.8	-0.6	-0.1	0.0	0.2	0.1	-0.4	0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.2	0.2	0.2	-0.3	0.0
3	AN	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	BN	-0.4	-0.6	-0.8	-0.8	-1.7	-0.4	0.0	-0.2	-0.1	-0.1	-0.3	0.0
3	D	-1.2	-1.6	-3.5	-2.5	-3.8	-0.9	0.0	-0.1	-0.3	-0.1	-0.2	-0.1
3	C	-1.8	-2.8	-3.0	-2.0	-3.4	-2.4	-0.1	-0.1	0.0	-0.2	0.0	-0.1
3	All	-0.6	-0.9	-1.4	-1.0	-1.8	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
4	W	-2.8	-4.7	-5.8	-6.7	-9.6	-2.2	0.0	0.0	-0.2	-0.3	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-3.1	-3.1	-6.4	-8.3	-13.1	-10.3	-0.1	-0.1	-0.3	-0.2	-0.5	-0.2
4	BN	-3.7	-3.9	-9.4	-8.2	-15.7	-7.6	0.0	-0.2	-0.3	-0.5	-0.6	-0.5
4	D	-1.8	-5.0	-18.0	-12.3	-32.7	-12.1	0.0	-0.2	-0.4	-0.4	-0.5	-0.3
4	C	0.6	-4.0	-11.5	-1.2	-24.6	-2.5	0.0	-0.1	-0.4	-0.1	-0.7	0.0
4	All	-2.2	-4.3	-10.1	-7.5	-19.3	-6.4	0.0	-0.1	-0.4	-0.3	-0.5	-0.2
5	W	0.3	1.1	3.5	-0.8	5.5	0.4	-0.1	-0.2	-0.1	-0.2	0.0	0.1
5	AN	0.3	-0.3	1.9	-3.2	2.7	3.0	0.0	-0.1	0.2	-0.2	0.4	0.3
5	BN	0.8	0.4	-2.1	-8.9	-0.8	-4.0	-0.3	-0.1	0.0	0.2	0.0	-0.1
5	D	1.5	4.8	2.1	2.5	-0.7	-6.0	-0.1	0.2	0.0	0.0	-0.4	-0.1
5	C	7.7	6.9	2.8	7.3	-2.4	-3.8	0.6	0.7	0.5	0.4	0.3	0.0
5	All	1.8	2.6	1.9	-0.4	1.3	-2.2	0.0	0.1	0.1	0.0	0.0	0.0
6	W	1.0	-0.3	-2.3	-1.7	-4.3	1.2	-0.2	-0.4	-0.6	-0.6	-0.3	0.1
6	AN	0.3	-3.6	-9.4	-4.2	-11.7	1.7	-0.2	-0.6	-0.1	-0.5	-0.3	0.7
6	BN	-0.8	-8.4	-0.4	-3.7	8.8	1.4	-0.2	0.1	0.2	0.0	0.6	0.2
6	D	3.2	4.4	11.2	11.5	13.3	0.2	0.7	1.1	0.5	0.8	0.8	0.0
6	C	3.8	6.5	8.5	8.1	8.1	-1.5	1.4	1.4	1.4	0.9	1.5	0.0
6	All	1.5	0.0	2.0	2.2	3.1	0.6	0.3	0.3	0.2	0.1	0.4	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-132. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Sacramento River at Red Bluff Diversion Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	1.1	1.1	-1.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.7	-0.1
12	D	-0.3	0.0	0.3	0.1	-0.6	-0.6	-0.3	0.0	0.1	-0.1	-0.3	-0.3
12	C	-1.0	-1.0	-1.0	-1.0	-1.0	-0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
12	All	-0.2	-0.2	0.1	0.1	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.4	0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	-0.1	-0.1	-0.2	-0.2	-0.4	-0.1	0.1	0.1	0.1	0.1	-0.1	0.1
3	AN	-0.5	-0.3	-0.8	-0.8	-0.8	-0.5	0.0	-0.2	0.5	0.5	-0.5	0.0
3	BN	-0.8	-1.9	-2.5	-2.5	-2.8	-0.9	-0.1	-0.1	0.0	0.0	-0.4	0.0
3	D	-1.2	-2.3	-6.5	-2.3	-8.5	-1.3	0.0	-0.1	-0.3	-0.2	-0.4	0.0
3	C	-3.0	-5.6	-5.6	-3.0	-7.3	-2.4	-0.1	-0.1	-0.2	-0.1	-0.3	-0.2
3	All	-1.0	-1.8	-3.0	-1.6	-3.8	-1.0	0.0	-0.1	-0.1	-0.1	-0.3	-0.1
4	W	-3.3	-4.3	-6.0	-5.9	-9.4	-2.9	0.0	-0.1	-0.2	-0.3	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-2.8	-2.5	-3.6	-5.3	-7.2	-7.5	-0.1	-0.1	-0.4	-0.3	-0.7	-0.3
4	BN	-3.1	-3.7	-9.4	-7.3	-14.1	-5.7	-0.1	-0.2	-0.4	-0.5	-0.7	-0.5
4	D	-1.2	-2.9	-11.4	-6.4	-22.1	-5.2	0.0	-0.2	-0.7	-0.6	-1.0	-0.5
4	C	-1.0	-2.3	-8.8	-1.9	-19.0	-2.9	0.1	-0.1	-0.5	0.0	-0.8	0.0
4	All	-2.4	-3.3	-7.9	-5.5	-14.4	-4.5	0.0	-0.2	-0.4	-0.3	-0.7	-0.3
5	W	0.1	0.3	2.5	-0.8	4.5	0.1	-0.1	-0.2	-0.1	-0.3	-0.1	0.1
5	AN	0.3	0.0	0.3	-3.0	0.8	0.5	0.0	-0.1	0.2	-0.3	0.3	0.3
5	BN	0.8	-0.8	-2.3	-8.2	-1.1	-4.4	-0.3	-0.1	-0.1	0.0	-0.1	-0.2
5	D	2.1	3.7	1.5	1.9	-0.1	-3.5	-0.1	0.2	0.0	0.0	-0.4	-0.3
5	C	3.4	2.2	0.6	3.2	-1.4	-2.4	0.8	0.9	0.6	0.7	0.3	-0.1
5	All	1.2	1.2	0.8	-1.1	1.0	-1.8	0.0	0.1	0.1	0.0	-0.1	0.0
6	W	0.9	-0.1	-2.1	-1.4	-3.6	1.2	-0.2	-0.5	-0.7	-0.7	-0.4	0.1
6	AN	0.3	-4.7	-8.9	-3.3	-10.0	1.7	-0.2	-0.6	-0.3	-0.7	-0.6	0.7
6	BN	-1.4	-7.8	0.0	-3.5	9.2	0.4	-0.2	0.0	0.1	0.0	0.5	0.3
6	D	2.0	3.9	9.4	9.5	10.8	-0.6	0.7	1.1	0.5	0.9	0.9	0.0
6	C	3.1	6.7	8.3	8.3	8.1	-0.8	1.6	1.5	1.5	1.1	1.6	0.0
6	All	1.0	0.0	1.7	2.0	3.0	0.4	0.3	0.3	0.1	0.1	0.3	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-133. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-19.2	-19.4	-24.4	-21.5	-9.2	-4.6	0.0	-0.9	-2.9	-2.8	-1.2	0.2
9	All	-3.1	-3.2	-4.0	-3.5	-1.5	-0.7	0.0	-0.9	-2.9	-2.8	-1.2	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.3	-7.3	-14.2	-8.1	-7.3	0.3	0.4	0.4	-2.3	-1.4	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	0.0	-2.1	-2.1	-2.1	-2.1	0.2	0.2
10	D	-4.1	-4.1	-4.1	-4.1	-4.1	-0.3	-2.0	-2.0	-2.0	-2.0	-2.0	-1.2
10	C	-9.3	-9.3	-7.3	-9.3	-3.0	-0.8	-1.9	-1.9	-1.7	-1.9	1.0	0.0
10	All	-5.4	-5.4	-5.9	-5.5	-3.3	-0.2	1.1	1.0	-1.6	-0.7	0.6	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.1	-0.8	-1.9	-0.6	-0.8	0.3	-0.5	-0.6	-0.8	-0.4	-0.6	0.0
11	BN	0.2	0.2	-0.4	-0.4	0.0	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5
11	All	-0.5	-0.4	-0.7	-0.5	-0.4	0.2	-0.2	-0.2	-0.3	0.0	-0.1	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-134. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Clear Creek, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.3
7	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.3
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.8	-7.3	-8.9	-8.9	-7.1	-0.2	-2.8	-3.7	-4.9	-4.9	-4.1	0.1
8	All	-1.0	-1.2	-1.4	-1.4	-1.2	0.0	-2.8	-3.7	-4.9	-4.9	-4.1	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
9	C	-28.3	-29.2	-30.0	-29.6	-16.7	-4.2	0.8	0.4	-2.7	-1.9	-0.2	-0.1
9	All	-4.9	-5.0	-5.2	-5.1	-3.0	-0.9	0.9	0.6	-2.5	-1.8	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-8.3	-8.3	-11.3	-8.3	-8.3	0.0	0.6	0.5	-2.8	-1.2	-0.3	-0.2
10	BN	-4.4	-4.0	-5.7	-5.9	0.0	0.0	-2.9	-2.9	-3.5	-3.5	0.2	0.2
10	D	-4.1	-3.2	-7.3	-7.3	-7.3	-1.0	-2.0	-1.9	-2.3	-2.3	-2.3	-0.7
10	C	-12.5	-9.5	-6.5	-12.7	-6.5	0.0	-2.7	-2.0	-1.6	-2.7	1.8	-0.2
10	All	-5.8	-5.0	-6.1	-6.8	-4.7	-0.2	-0.3	-0.7	-1.6	-0.1	1.2	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.4	-1.4	-1.4	-1.1	-1.1	0.0	-0.2	0.0	-0.3	0.0	-0.2	0.1
11	BN	2.0	2.0	0.8	1.6	1.4	2.0	-0.5	-0.5	-0.7	-0.8	-0.4	-0.4
11	D	-0.6	-0.3	-1.2	-1.2	-1.2	-0.2	-0.3	-0.1	-0.3	-0.3	-0.3	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	-2.9	-2.5	-2.7	-2.9	-2.1	1.9	-0.4	-0.4	0.6	-0.4	0.3	-0.1
11	All	-0.9	-0.8	-1.2	-1.1	-1.0	0.6	0.1	0.1	0.1	0.1	0.3	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-135. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-0.2	-0.2	-0.5	-0.6	-0.6	-0.6	0.1	0.1	-0.3	-0.3	-0.3	-0.3
4	C	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
4	All	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.1	0.0	-0.3	0.2	-0.3	-0.3
5	W	-0.9	-0.4	-1.8	-2.2	-2.6	0.8	-0.1	-0.3	-0.3	-0.4	-0.5	0.0
5	AN	0.0	-0.3	1.1	-0.5	2.2	-0.8	0.0	-0.2	0.0	-0.5	-0.3	-0.5
5	BN	-0.2	0.0	1.3	1.3	0.6	0.2	0.0	0.0	0.4	0.9	0.3	0.0
5	D	-0.7	-1.3	-1.6	-1.9	-2.1	-0.1	-0.3	-0.6	-0.4	-0.4	-0.7	-0.1
5	C	1.0	1.6	1.4	1.2	1.6	0.2	-0.3	-0.4	-0.4	-0.8	-0.7	-0.3
5	All	-0.3	-0.2	-0.3	-0.8	-0.7	0.2	-0.2	-0.3	-0.3	-0.3	-0.5	-0.1
6	W	0.2	-0.7	0.2	-0.4	-1.9	0.7	-0.1	-0.1	-0.1	0.0	0.0	-0.1
6	AN	-0.8	-0.6	1.1	-1.4	0.8	4.2	-0.1	0.1	-0.4	-0.6	-0.1	0.0
6	BN	0.0	0.2	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.2
6	D	0.9	1.4	0.3	0.5	0.3	-0.3	0.3	0.1	0.3	0.0	0.3	0.0
6	C	13.8	9.0	10.0	5.4	13.5	-0.4	0.4	0.6	0.5	0.5	0.4	0.1
6	All	2.9	1.9	2.3	0.9	2.0	0.7	-0.1	0.0	-0.1	0.0	-0.1	0.0
7	W	-1.0	-1.1	-0.4	-0.4	-0.8	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.9	0.9	2.9	0.0	4.8	0.0	0.2	0.2	0.2	0.0	0.4	0.0
7	C	13.7	18.8	19.8	10.7	33.3	-0.6	-0.5	-0.3	-0.5	-0.4	-0.3	0.4
7	All	2.1	3.3	3.9	1.6	6.6	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2
9	W	-2.0	-2.0	-2.0	-2.0	-2.0	-0.4	-1.2	-1.2	-1.2	-1.2	-1.2	-0.2
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.1	-1.1	-0.9	-1.1	-1.1	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.3
9	D	-5.3	-5.2	-5.2	-5.3	-5.3	-3.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
9	C	-30.2	-31.0	-31.7	-31.3	-18.5	-4.6	1.0	0.7	-2.2	-1.6	0.1	-0.1
9	All	-6.9	-7.0	-7.1	-7.1	-5.0	-1.6	1.8	1.4	-1.5	-0.7	1.0	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.8	-7.8	-12.4	-7.8	-7.8	0.3	0.6	0.5	-2.3	-1.1	-0.3	-0.2
10	BN	-4.9	-4.7	-5.9	-5.9	0.0	0.0	-2.4	-2.4	-2.6	-2.6	0.3	0.1
10	D	-5.9	-5.1	-5.9	-5.9	-5.9	-1.6	-1.8	-1.6	-1.8	-1.8	-1.8	-0.5
10	C	-11.5	-9.5	-5.8	-11.5	-5.2	0.0	-2.2	-1.8	-1.5	-2.2	1.4	-0.2
10	All	-6.0	-5.5	-5.8	-6.2	-4.1	-0.3	1.1	0.2	-1.3	-0.1	1.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.9	-1.9	-1.9	-1.1	-1.1	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	-0.1
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	-0.8	-0.8	-0.8	-0.8	-0.6	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
11	All	-0.6	-0.6	-0.6	-0.5	-0.5	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-136. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River near Bend Bridge, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.4	-0.8	-1.4	-1.0	-1.4	-1.2	0.0	-0.2	-0.6	-0.6	-0.6	-0.6
4	D	0.0	-0.2	-1.5	-2.6	-2.6	-1.4	-0.1	-0.1	-0.4	-0.7	-0.7	-0.3
4	C	0.2	0.0	-0.6	0.4	-1.0	0.0	0.1	0.0	-0.4	0.3	-0.4	0.0
4	All	-0.1	-0.2	-0.7	-0.7	-1.0	-0.5	0.0	0.0	-0.4	-0.2	-0.6	-0.3
5	W	-1.1	-0.4	-1.2	-2.3	-2.8	1.7	-0.2	-0.2	-0.4	-0.4	-0.6	-0.1
5	AN	0.0	-1.9	1.1	-1.9	2.2	-0.8	0.0	0.0	0.0	-0.2	0.0	-0.3
5	BN	-2.7	-2.3	0.9	0.8	-0.6	-0.8	-0.3	-0.1	0.0	0.2	-0.1	0.2
5	D	-1.8	-1.3	-1.0	-1.6	-2.5	-0.9	-0.2	-0.5	-0.5	-0.7	-0.5	0.0
5	C	4.0	6.5	4.6	3.0	5.2	-2.0	0.1	0.2	0.1	0.0	0.1	0.3
5	All	-0.7	-0.1	0.5	-0.6	-0.6	-0.2	-0.1	-0.1	-0.3	-0.3	-0.3	0.0
6	W	-0.3	-1.4	-0.2	-0.9	2.2	1.1	0.0	-0.1	-0.1	-0.1	-0.3	0.0
6	AN	-4.4	-3.3	9.7	-1.7	0.8	15.8	0.1	0.0	0.2	0.0	0.2	0.3
6	BN	-0.8	-0.4	-1.6	0.8	4.1	2.9	-0.1	-0.1	-0.1	0.0	0.5	0.1
6	D	4.7	7.7	2.0	5.6	2.9	1.4	-0.1	-0.3	-0.1	-0.4	-0.2	-0.4
6	C	20.2	19.4	22.3	13.3	26.7	0.4	0.7	0.6	0.6	0.5	0.5	-0.1
6	All	3.7	4.1	5.0	3.2	6.2	3.1	0.2	0.1	0.1	0.0	0.1	0.0
7	W	-1.8	-1.6	-1.3	-2.3	-1.1	0.1	-0.1	-0.2	-0.1	-0.1	-0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	-0.3	-0.3	1.9	-0.5	3.8	1.1	-0.3	-0.3	0.6	-0.3	0.4	0.0
7	BN	0.0	0.0	0.0	0.0	6.1	0.2	0.0	0.0	0.0	0.0	0.9	0.0
7	D	2.9	6.5	12.0	3.2	17.9	2.3	0.5	0.3	0.4	0.0	0.7	0.0
7	C	30.0	35.3	43.1	28.2	50.6	2.6	0.6	0.7	0.6	0.6	1.0	-0.1
7	All	4.9	7.6	9.9	4.5	14.4	1.1	0.3	0.3	0.3	0.3	0.5	-0.1
8	W	-4.2	-4.0	-4.0	-4.1	-4.0	-0.8	-1.5	-1.0	-1.0	-1.5	-1.5	-0.1
8	AN	0.0	0.0	-0.5	0.5	-0.3	0.0	0.0	0.0	-0.5	-0.3	-0.5	0.0
8	BN	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	-0.1	-0.1	0.0	-0.1	1.0	-0.1	-1.0	-1.0	-1.0	-1.0	-0.8	-1.0
8	C	-9.1	-8.9	-5.0	-8.7	5.8	-3.2	-1.6	-2.4	-2.8	-2.2	-2.4	0.8
8	All	-2.8	-2.6	-2.1	-2.6	0.0	-0.8	-0.9	-1.8	-2.1	-1.6	-1.8	0.5
9	W	-1.7	-1.7	-1.7	-1.6	-2.1	-0.3	-1.7	-1.7	-1.7	-1.6	-1.5	-0.2
9	AN	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.5
9	BN	-1.3	-1.7	-1.1	-1.9	-1.9	0.4	-0.7	-0.8	-0.6	-0.6	-0.6	0.3
9	D	-8.3	-8.2	-8.2	-8.6	-8.5	-4.5	-0.6	-0.2	-0.2	-0.4	-0.7	-0.1
9	C	-33.3	-34.0	-34.2	-32.7	-19.4	-3.8	1.2	0.9	-1.8	-1.5	0.1	-0.1
9	All	-8.1	-8.2	-8.1	-8.1	-6.0	-1.6	0.4	0.2	-1.5	-1.2	0.5	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-6.5	-6.5	-11.6	-6.5	-6.5	0.5	0.3	0.1	-2.3	-1.3	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	-0.8	-1.9	-1.9	-1.9	-1.9	0.3	0.3
10	D	-4.1	-3.8	-4.4	-4.4	-4.4	-0.6	-1.1	-1.1	-1.6	-1.6	-1.6	-0.8
10	C	-9.1	-7.3	-4.4	-9.1	-2.8	-0.4	-2.3	-2.0	-1.5	-2.3	0.8	0.0
10	All	-5.2	-4.9	-5.2	-5.3	-3.3	-0.3	1.2	0.4	-1.2	-0.3	0.7	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-137. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Red Bluff Diversion Dam, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	-0.3	-0.3	-0.3	-0.3	0.0	0.0	-0.5	-0.5	-0.5	-0.5
4	C	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.2	-0.3	-0.3	-0.3	-0.3
5	W	-0.8	-0.8	-1.1	-1.1	-1.3	-0.1	0.1	-0.5	-0.6	-0.6	-1.1	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0
5	D	-1.2	-1.0	-1.2	-1.2	-1.2	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	0.2
5	C	0.4	0.8	0.2	0.0	0.0	0.0	0.7	0.6	1.0	0.0	0.0	0.0
5	All	-0.4	-0.3	-0.6	-0.5	-0.7	-0.1	0.2	-0.3	-0.1	-0.5	-0.8	0.0
6	W	0.1	0.0	0.0	0.0	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.3	0.5	0.3	0.2	0.3	0.0	0.5	0.3	0.5	0.0	0.5	0.0
6	C	3.8	4.2	4.4	2.7	2.9	0.0	0.6	0.7	0.5	0.7	0.6	0.0
6	All	0.8	0.9	0.8	0.5	0.5	0.2	0.0	0.0	0.0	0.1	0.0	-0.1
7	W	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
7	D	0.0	0.1	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0
7	C	3.6	6.3	5.6	3.4	10.5	-0.2	0.1	-0.1	-0.2	0.0	-0.1	0.5
7	All	0.6	1.1	0.9	0.5	1.9	-0.1	0.2	0.1	0.0	0.2	0.0	0.7
8	W	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.0	-8.1	-7.9	-8.3	-6.5	-0.2	-2.2	-2.1	-2.6	-3.1	-2.5	0.2
8	All	-1.1	-1.4	-1.3	-1.4	-1.1	-0.1	-2.0	-2.0	-2.5	-3.0	-2.4	0.3
9	W	-1.6	-1.6	-1.6	-1.6	-1.6	-0.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.4
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-0.8	-0.8	-0.8	-0.8	-0.8	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.1
9	D	-1.2	-1.2	-1.2	-1.2	-1.2	-0.6	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
9	C	-20.2	-20.2	-24.0	-22.3	-8.1	-4.2	0.5	-0.2	-1.9	-1.7	-0.7	0.3
9	All	-4.2	-4.2	-4.8	-4.5	-2.2	-0.7	0.8	0.1	-1.6	-1.4	-0.4	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-5.9	-11.3	-9.1	-6.5	-1.1	0.7	0.5	-0.8	-0.7	-0.3	0.0
10	BN	-2.1	-2.1	-2.1	-2.1	0.6	0.4	-1.1	-1.1	-1.1	-1.1	0.4	0.5
10	D	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10	C	-4.8	-4.8	-4.0	-4.8	-0.2	-0.2	-1.6	-1.6	-1.1	-1.6	0.3	0.0
10	All	-3.0	-3.0	-3.5	-3.4	-1.8	-0.2	1.0	0.8	-0.5	-0.4	0.5	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-138. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Sacramento River at Wilkins Slough, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
3	All	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
4	W	0.0	-0.4	-1.3	-1.8	-2.6	0.2	0.0	0.0	-0.1	0.0	-0.4	0.0
4	AN	0.0	-1.1	-2.8	-3.6	-4.7	-3.6	0.0	0.1	-0.1	0.2	-0.4	0.1
4	BN	-0.6	-2.9	-8.8	-11.2	-15.7	-11.2	0.0	-0.2	-0.4	-0.5	-0.8	-0.3
4	D	1.1	-4.5	-12.1	-10.9	-17.1	-7.4	0.1	-0.1	-0.5	-0.5	-0.6	-0.3
4	C	3.3	-0.2	-6.0	3.8	-15.8	1.3	0.1	0.1	-0.2	0.0	-0.3	0.1
4	All	0.6	-2.0	-6.2	-5.0	-11.1	-3.7	0.1	0.0	-0.3	-0.1	-0.3	-0.1
5	W	-0.4	-0.4	-4.6	-7.8	-5.8	0.1	-0.2	-0.3	-0.4	-0.7	-0.7	0.1
5	AN	0.5	0.8	-1.3	-6.7	-8.3	-0.3	0.0	-0.3	-0.7	-1.2	-1.0	-0.2
5	BN	-0.8	-2.8	-8.9	-13.3	-12.5	-9.3	-0.3	-0.4	-0.7	-0.7	-1.2	-0.5
5	D	0.3	1.0	-3.8	-2.5	-9.1	-7.8	-0.1	0.2	-0.4	-0.1	-0.6	-0.6
5	C	3.0	-0.2	-2.8	2.6	-6.0	-0.6	1.6	1.5	1.0	1.6	0.2	-0.2
5	All	0.4	-0.3	-4.4	-5.7	-8.1	-3.5	0.2	0.2	-0.2	-0.1	-0.6	-0.3
6	W	-0.2	-0.8	-3.0	-2.7	-6.1	0.2	-0.2	-0.7	-1.4	-1.3	-1.6	0.1
6	AN	0.0	-4.2	-7.8	-3.1	-13.1	0.6	-0.1	-1.0	-1.6	-1.6	-2.2	0.6
6	BN	0.2	-3.5	-1.8	-2.2	1.0	-0.4	-0.2	-0.5	-0.6	-0.5	-0.5	0.3
6	D	0.3	-0.3	1.4	2.9	1.5	-0.8	0.7	1.0	0.4	1.4	0.7	-0.2
6	C	0.8	1.7	3.7	4.2	3.5	0.4	2.1	2.1	1.5	1.8	1.0	0.0
6	All	0.2	-1.2	-1.3	-0.2	-2.4	0.0	0.4	0.2	-0.4	0.0	-0.5	0.1
7	W	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.7	-0.3	-1.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	1.1	1.1	1.1	1.1	1.1	1.1	0.4	0.0	0.1	0.9	0.4	0.4
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.8	2.4	0.5
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	2.5	0.3	3.1	-0.3
7	C	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.8	3.0	3.0	2.9	0.1
7	All	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.8	0.9	0.7	1.3	0.1
8	W	0.0	0.3	0.8	0.6	1.0	-0.1	-0.1	0.3	0.5	0.6	0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.2	0.4	-0.8	0.5
8	BN	0.0	-0.2	0.0	0.0	-0.4	0.0	-0.2	-0.7	-0.6	-0.2	-0.4	0.1
8	D	-0.1	0.0	0.0	0.0	0.0	0.0	-0.7	-1.0	-0.2	-0.4	1.2	-0.6
8	C	-0.4	-0.2	0.2	-0.2	0.2	-0.2	-1.1	-1.0	0.8	0.2	1.5	0.0
8	All	-0.1	0.0	0.3	0.2	0.3	-0.1	-0.4	-0.4	0.1	0.2	0.4	-0.1
9	W	0.3	3.0	5.7	9.4	15.1	-0.2	-0.1	0.1	0.3	0.5	0.6	0.0
9	AN	-1.9	-8.9	0.8	4.2	17.5	-0.3	-0.1	-0.2	-0.3	0.0	0.8	0.4
9	BN	-0.6	-0.4	0.4	-0.8	0.2	0.9	-0.3	-0.4	-0.2	-0.1	-0.2	0.3
9	D	-0.6	-2.1	-1.8	-0.8	-0.5	-0.3	-0.8	-1.0	-1.0	-0.9	-0.7	-0.4
9	C	-1.7	-0.8	-1.0	-3.5	-0.8	-0.2	-1.3	-1.2	-1.3	-1.8	-0.6	-0.2
9	All	-0.6	-0.9	1.3	2.5	6.6	0.0	-0.6	-0.6	-0.5	-0.5	-0.2	0.0
10	W	-0.6	-1.4	-2.4	-1.3	-0.4	0.6	-0.1	-0.2	-0.1	-0.2	0.1	0.0
10	AN	-5.9	-5.1	-5.6	-3.8	0.5	-0.3	-0.4	-0.4	-1.1	-0.8	-0.8	0.0
10	BN	-4.0	-3.4	-2.7	-3.8	3.6	-1.1	-0.6	-0.5	-0.5	-0.7	0.2	0.1
10	D	-2.5	-1.3	-0.6	-0.6	1.6	-1.0	-0.2	-0.1	0.2	0.3	0.3	0.1
10	C	-9.9	-6.7	-4.2	-10.9	-3.6	-1.0	-0.8	-0.6	-0.2	-0.6	0.2	0.0
10	All	-4.0	-3.3	-3.0	-3.8	0.0	-0.4	-0.4	-0.4	-0.3	-0.4	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-139. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Adult Immigration, Sacramento River below Keswick, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-140. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Adult Immigration, Sacramento River near Bend Bridge, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-141. Water Temperature Index Value Analysis Results, Late Fall-Run Chinook Salmon, Adult Immigration, Sacramento River at Red Bluff Diversion Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Central Valley Steelhead

Table H1b-142. Summary of Potential Effects of Flow Scenarios on Central Valley Steelhead, Sacramento River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
a Favorable	0.8%	0.8%	0.8%	0.8%	0.8%	0.0%
b Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Adult Holding						
Favorable	18.3%	18.3%	28.3%	30.0%	11.7%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	1.7%	1.7%
Spawning, Egg Incubation, and Alevins						
Favorable	0.3%	0.0%	3.7%	3.7%	8.7%	0.7%
Unfavorable	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Kelt Emigration						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Juvenile Rearing						
Favorable	1.3%	1.7%	2.5%	2.2%	1.7%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Smoltification						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Smolt emigration (excluding migrant parr)						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.5%	0.8%	0.5%	0.5%	0.5%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

a The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

b The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-143. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	3.6	7.0	19.7	11.2	21.1	3.1	-0.1	-0.3	-0.3	-0.6	-0.2	-0.1
11	AN	-1.9	10.8	12.2	9.2	26.7	-2.2	0.1	-0.1	0.0	-0.7	-0.1	0.4
11	BN	-6.3	-1.2	5.9	-2.7	2.2	12.0	0.6	0.1	0.7	0.0	0.6	-0.3
11	D	-2.9	-0.9	5.8	-3.6	-2.1	-0.6	-0.5	-0.4	-0.2	-0.6	-0.9	-0.1
11	C	-1.0	6.9	10.4	3.1	-1.9	12.1	-1.0	-1.5	-1.7	-2.2	-1.2	-0.8
11	All	-1.1	4.2	11.5	3.8	9.3	4.6	-0.2	-0.4	-0.3	-0.8	-0.4	-0.2
12	W	2.9	4.5	7.5	3.4	7.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	6.2	7.0	9.9	3.5	6.7	-1.3	0.0	0.1	0.0	0.0	-0.1	0.0
12	BN	3.4	4.6	2.5	1.9	-4.7	1.9	-0.1	-0.1	0.0	-0.1	-0.1	-0.1
12	D	0.4	2.1	5.7	1.0	-1.3	-2.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1
12	C	4.2	6.3	9.3	4.0	3.2	1.6	0.1	0.0	0.0	-0.1	-0.1	-0.1
12	All	3.1	4.7	7.0	2.9	2.4	0.2	0.0	0.0	0.0	-0.1	-0.1	-0.1
1	W	0.2	0.2	0.3	0.2	0.4	0.1	0.1	0.2	0.1	0.2	0.2	0.1
1	AN	0.5	0.5	0.8	0.0	0.5	0.5	0.0	0.1	0.1	0.2	0.2	0.0
1	BN	0.4	0.8	0.2	0.4	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1
1	D	0.3	-0.3	0.0	0.0	-0.7	-0.3	0.1	0.1	-0.1	0.0	0.0	0.1
1	C	0.4	0.2	0.6	0.2	0.2	0.4	0.3	0.0	0.2	0.3	0.3	0.3
1	All	0.3	0.3	0.4	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1
2	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
3	D	-0.1	0.1	0.4	0.1	0.3	-0.6	-0.5	-0.3	-0.2	-0.3	-0.2	-0.5
3	C	-1.0	-2.2	-2.8	-1.2	-2.8	-2.2	-0.3	-0.6	-0.6	-0.4	-0.6	-0.3
3	All	-0.2	-0.4	-0.4	-0.2	-0.4	-0.5	-0.4	-0.5	-0.3	-0.4	-0.3	-0.3
4	W	-1.1	-0.7	-1.0	-1.6	-1.4	-1.6	0.0	0.0	-0.1	-0.1	-0.2	0.0
4	AN	0.3	0.6	-4.2	-2.2	-3.1	-6.7	-0.1	-0.1	-0.1	0.0	-0.1	0.0
4	BN	-0.6	-3.1	-4.1	-6.3	-4.3	-8.4	-0.1	-0.1	0.0	-0.1	0.1	-0.3
4	D	-2.3	-2.9	-10.9	-9.4	-23.2	-15.2	-0.1	0.1	0.1	0.0	0.2	0.0
4	C	-5.8	-10.8	-15.2	-12.5	-22.3	-5.0	0.0	-0.3	-0.4	0.4	-0.7	0.0
4	All	-2.0	-3.2	-6.4	-6.1	-11.3	-7.0	-0.1	0.0	0.0	0.0	0.0	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-144. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River below Keswick, 56°F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.3	0.2	0.1	0.1	2.6	1.3	0.0	0.0	0.0	0.1	0.0	-0.1
11	AN	1.7	8.1	9.7	-5.8	6.9	0.0	-1.0	-1.0	-1.3	0.2	-0.9	0.2
11	BN	2.2	2.0	11.4	2.2	7.8	2.2	1.0	1.1	-1.0	0.6	-0.7	1.1
11	D	-3.5	-2.7	-0.2	-9.4	-7.0	0.6	0.0	-0.1	-0.9	-2.0	-1.1	0.0
11	C	-6.7	-9.6	-15.6	-19.8	-11.7	0.8	-0.5	-0.2	-0.6	-0.4	-0.5	0.2
11	All	-1.2	-1.6	-0.2	-6.6	-0.5	1.1	-0.2	0.0	-0.5	0.0	-0.5	0.1
12	W	0.3	0.5	0.4	0.3	0.9	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
12	AN	0.5	1.3	0.5	0.0	-0.3	0.3	-0.1	0.0	-0.1	0.2	-0.2	-0.1
12	BN	0.2	-0.4	-2.1	-1.1	-3.2	-1.1	0.0	-0.1	0.2	0.1	0.0	0.0
12	D	-1.6	-2.1	-0.6	-2.9	-2.9	-1.0	-0.1	-0.1	-0.2	-0.1	-0.3	-0.1
12	C	0.2	0.8	0.2	-1.4	-2.4	-0.4	-0.2	-0.4	-0.3	-0.7	-0.6	-0.2
12	All	0.0	0.0	-0.2	-0.9	-1.4	-0.5	-0.1	-0.2	-0.2	-0.1	-0.2	-0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-1.0	0.0	-0.4	-0.6	-0.6	-1.8	-0.2	-0.3	0.1	0.1	-0.3	-0.4
4	D	-3.3	-1.4	-2.0	-3.3	-3.5	-3.8	-0.2	-0.2	-0.1	-0.3	-0.2	-0.2
4	C	0.8	-0.4	-1.0	0.4	-1.9	-0.2	-0.1	0.0	0.1	0.0	-0.4	-0.1
4	All	-0.9	-0.5	-0.7	-1.0	-1.4	-1.1	-0.2	-0.2	-0.1	-0.1	-0.1	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-145. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	3.6	3.2	15.8	10.2	20.3	2.9	-0.1	-0.2	-0.1	-0.5	-0.1	-0.1
11	AN	-1.7	8.1	11.4	6.4	24.7	-2.8	0.1	0.1	0.1	-0.6	0.0	0.4
11	BN	-5.1	-0.4	4.3	-3.7	0.4	7.5	0.5	0.1	0.7	0.1	0.6	-0.2
11	D	-2.9	-0.3	5.6	-2.9	-1.1	-2.1	-0.5	-0.4	-0.2	-0.6	-1.0	0.0
11	C	-1.9	5.2	9.2	3.3	-3.3	8.5	-0.8	-1.2	-1.5	-2.0	-1.0	-0.4
11	All	-1.0	2.7	9.7	3.2	8.5	2.8	-0.2	-0.3	-0.2	-0.7	-0.4	-0.1
12	W	3.1	3.2	6.7	2.0	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	6.2	6.2	9.1	3.8	3.5	-1.1	0.0	0.0	0.0	0.0	-0.1	0.0
12	BN	0.0	2.8	2.1	-0.2	-5.9	-1.3	0.0	0.0	0.0	-0.1	-0.1	-0.1
12	D	-1.6	0.6	3.8	0.4	-2.1	-2.9	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1
12	C	4.8	5.8	5.4	1.0	-1.6	-0.6	0.0	0.0	0.0	-0.2	-0.2	-0.1
12	All	2.2	3.6	5.5	1.6	0.3	-0.6	0.0	0.0	-0.1	-0.1	-0.1	-0.1
1	W	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0
1	AN	0.3	0.3	0.8	0.3	0.8	0.3	0.1	0.1	0.1	0.0	0.1	0.1
1	BN	0.4	0.4	-0.2	0.4	-0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.0
1	D	0.3	-0.1	-0.3	-0.1	-0.4	0.0	0.1	0.1	0.1	0.1	0.0	0.1
1	C	0.2	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.0
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
3	BN	0.0	-0.9	-1.1	-1.1	-1.9	-0.6	-0.1	0.0	0.2	0.1	0.1	-0.1
3	D	0.0	0.7	-1.6	-1.3	-2.8	-0.9	0.0	0.0	0.0	0.0	0.0	-0.1
3	C	-4.6	-7.1	-7.7	-5.0	-8.5	-4.0	-0.1	-0.4	-0.4	-0.2	-0.2	-0.4
3	All	-0.8	-1.2	-1.8	-1.2	-2.3	-1.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
4	W	-1.1	-2.3	-2.8	-4.1	-5.0	-2.0	0.0	0.0	-0.2	-0.2	-0.4	0.0
4	AN	-0.6	0.8	-4.2	-6.4	-9.7	-12.2	-0.1	-0.1	-0.2	0.0	-0.2	-0.1
4	BN	-1.4	-1.8	-3.3	-4.7	-8.6	-5.7	-0.1	-0.1	-0.2	-0.3	-0.3	-0.5
4	D	-1.4	-4.4	-19.8	-11.4	-35.5	-11.8	0.0	0.0	0.0	-0.2	0.0	-0.3
4	C	0.8	-7.5	-14.8	-9.2	-25.6	-5.2	-0.2	-0.3	-0.5	-0.1	-0.8	0.0
4	All	-0.9	-3.2	-8.8	-6.9	-17.4	-6.6	-0.1	-0.1	-0.2	-0.2	-0.3	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-146. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River at Clear Creek, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.2	0.3	0.2	0.1	3.1	0.3	0.0	0.0	0.0	0.0	-0.1	0.0
11	AN	1.7	6.1	8.6	-5.6	6.4	0.6	-1.1	-0.9	-1.3	0.2	-0.9	0.1
11	BN	2.0	1.8	6.1	2.0	3.9	2.0	0.8	0.9	-0.5	0.4	0.0	0.8
11	D	-3.6	-3.2	-0.9	-8.6	-7.3	0.5	0.1	0.0	-0.7	-1.5	-0.8	0.0
11	C	-4.6	-8.8	-14.6	-17.9	-8.3	1.9	-0.6	-0.2	-0.6	-0.5	-0.7	0.1
11	All	-0.9	-1.8	-1.2	-6.1	-0.6	0.9	-0.3	0.0	-0.4	-0.1	-0.4	0.1
12	W	0.0	0.1	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0
12	AN	0.0	0.5	-0.3	0.8	-1.1	-0.3	0.0	0.0	-0.2	0.2	-0.2	-0.1
12	BN	0.4	-0.4	0.0	0.2	-1.1	-0.6	-0.1	-0.1	-0.1	-0.1	-0.3	-0.1
12	D	-1.6	-2.9	-2.2	-2.9	-3.1	-1.0	0.0	0.1	-0.1	0.2	-0.2	-0.2
12	C	-0.2	0.4	0.2	-2.2	-1.8	-1.0	-0.2	-0.4	-0.3	-0.8	-0.5	0.1
12	All	-0.3	-0.5	-0.4	-0.8	-1.3	-0.6	0.0	-0.1	-0.1	0.1	-0.2	-0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.2	0.0	-0.7	-0.7	-1.8	-0.3	0.0	0.0	-0.3	-0.2	-0.2	0.0
4	AN	-0.6	0.0	-2.8	-0.3	-2.5	-0.6	0.0	-0.1	-0.5	-0.1	-0.5	-0.1
4	BN	-1.6	-2.7	-2.4	-4.9	-3.9	-6.5	-0.1	-0.1	-0.2	0.1	-0.2	-0.4
4	D	-1.1	-1.5	-5.9	-5.8	-8.9	-6.8	-0.1	0.0	-0.1	-0.2	-0.2	-0.2
4	C	0.0	-4.4	-5.4	0.4	-7.5	-0.2	0.1	0.3	0.1	0.1	-0.7	0.0
4	All	-1.0	-1.8	-3.3	-2.7	-5.3	-2.8	0.0	0.0	-0.1	-0.1	-0.1	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-147. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River below Balls Ferry, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	2.6	0.0	9.4	1.4	11.9	2.1	0.0	0.0	-0.2	-0.2	-0.1	0.0
11	AN	1.1	4.7	3.6	3.1	16.1	-1.9	-0.1	0.2	0.3	-0.6	-0.2	0.4
11	BN	-2.2	-0.4	3.7	-5.3	0.0	1.0	0.3	0.0	0.6	0.1	0.5	-0.1
11	D	-4.2	0.3	4.8	-1.1	-3.2	-1.8	-0.3	-0.4	-0.3	-0.7	-0.9	0.1
11	C	0.0	2.1	5.0	0.8	-3.5	5.8	-0.6	-0.7	-1.0	-1.5	-0.8	-0.1
11	All	-0.4	1.0	5.9	-0.3	4.4	1.2	-0.2	-0.2	-0.2	-0.6	-0.4	0.0
12	W	0.3	0.1	0.0	-0.3	-0.8	0.3	0.0	0.0	0.0	0.0	-0.1	0.0
12	AN	0.0	0.3	-1.1	0.8	-4.6	-1.9	0.0	0.1	-0.2	0.3	-0.4	0.0
12	BN	0.8	1.5	0.4	1.7	-2.5	-0.8	-0.1	-0.4	0.0	-0.1	-0.5	-0.1
12	D	-1.0	-0.7	-1.6	-1.3	-5.7	0.4	0.0	-0.3	-0.4	-0.5	-0.8	-0.2
12	C	-0.4	-1.4	-4.8	-8.3	-7.3	-2.6	-0.1	-0.2	-0.4	-0.5	-0.6	-0.2
12	All	-0.1	-0.1	-1.2	-1.3	-3.7	-0.6	-0.1	-0.2	-0.2	-0.2	-0.5	-0.1
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.5	-0.5	-0.5	0.5	-0.5	0.5
3	BN	-0.6	-2.1	-2.3	-2.3	-2.8	-0.8	-0.1	0.0	-0.1	-0.1	-0.2	0.0
3	D	-0.4	-1.5	-5.0	-2.6	-6.9	-0.9	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1
3	C	-1.8	-4.6	-5.0	-1.8	-7.1	-2.6	-0.2	-0.3	-0.3	-0.3	-0.2	-0.4
3	All	-0.6	-1.5	-2.4	-1.3	-3.3	-0.8	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1
4	W	-3.4	-4.3	-6.9	-7.0	-10.7	-3.0	0.0	-0.1	-0.2	-0.3	-0.3	0.0
4	AN	-3.6	-3.9	-5.8	-6.4	-9.7	-7.8	-0.1	-0.1	-0.3	-0.2	-0.5	-0.3
4	BN	-3.3	-3.9	-10.8	-7.3	-17.5	-6.5	-0.1	-0.2	-0.2	-0.4	-0.4	-0.4
4	D	-0.8	-3.5	-19.2	-8.2	-33.0	-6.4	-0.1	-0.2	-0.3	-0.4	-0.5	-0.4
4	C	0.8	-1.5	-10.6	-1.0	-24.0	-4.2	0.0	-0.3	-0.5	-0.2	-0.8	0.0
4	All	-2.1	-3.5	-10.8	-6.2	-19.5	-5.1	0.0	-0.2	-0.3	-0.3	-0.5	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-148. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River below Balls Ferry, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.2	0.2	0.0	0.1	0.9	0.3	0.0	0.0	0.0	0.0	-0.1	0.0
11	AN	0.6	4.2	3.6	-3.1	3.6	0.6	-1.2	-0.9	-1.3	-0.5	-0.9	0.1
11	BN	2.0	2.0	3.3	1.4	3.1	2.0	0.2	0.3	0.1	0.0	0.3	0.3
11	D	-4.1	-3.8	-3.5	-7.4	-6.4	0.2	0.3	0.4	-0.2	-0.8	-0.5	0.0
11	C	-1.0	-4.4	-9.4	-11.9	-6.9	1.9	-0.8	-0.3	-0.7	-0.9	-0.5	0.0
11	All	-0.6	-1.5	-2.1	-4.6	-1.3	0.9	-0.4	0.0	-0.3	-0.3	-0.3	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	-0.4	0.2	0.2	-0.9	-0.4	0.0	-0.2	0.1	0.1	-0.2	-0.2
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	-0.1	0.0	0.0	-0.2	-0.1	0.0	-0.2	0.2	0.2	-0.2	-0.2
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-1.0	-1.8	-3.2	-3.9	-4.6	-0.6	0.0	0.0	-0.1	0.0	-0.2	0.0
4	AN	-1.7	-2.2	-5.3	-3.6	-9.4	-4.2	0.0	-0.1	-0.3	-0.1	-0.5	-0.1
4	BN	-1.4	-3.1	-7.6	-9.8	-11.8	-9.0	-0.1	-0.2	-0.2	-0.2	-0.3	-0.4
4	D	-2.3	-4.1	-12.1	-9.7	-17.3	-8.9	0.0	-0.1	-0.2	-0.3	-0.2	-0.2
4	C	-1.3	-4.6	-9.8	-4.6	-15.8	-1.5	0.0	-0.1	-0.2	0.1	-0.5	0.0
4	All	-1.6	-3.2	-7.4	-6.5	-11.8	-4.5	0.0	-0.1	-0.2	-0.2	-0.2	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-149. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River near Bend Bridge, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	2.3	0.6	6.9	1.9	9.4	2.8	0.0	0.0	-0.1	-0.1	-0.1	-0.1
11	AN	0.8	4.2	5.0	-0.3	12.2	0.3	-0.1	0.3	0.2	-0.4	-0.1	0.2
11	BN	-0.8	-1.6	4.7	-4.3	0.0	-0.8	0.3	0.2	0.4	0.2	0.5	0.1
11	D	-4.4	0.5	4.7	-2.6	-5.0	-1.4	-0.3	-0.3	-0.3	-0.6	-0.7	0.1
11	C	-1.7	1.0	0.4	-4.6	-5.0	3.5	-0.3	-0.5	-0.6	-1.0	-0.6	0.1
11	All	-0.4	0.7	4.7	-1.5	2.5	1.1	-0.1	-0.1	-0.2	-0.4	-0.3	0.1
12	W	0.1	-0.1	-0.3	-0.3	-0.5	0.2	0.0	0.0	-0.1	-0.1	0.0	0.0
12	AN	0.0	0.8	-3.5	1.9	-4.8	-1.3	0.0	0.2	0.1	0.3	-0.4	-0.1
12	BN	0.8	-0.6	0.8	1.7	-1.9	-0.8	-0.1	0.0	0.1	-0.1	-0.4	0.0
12	D	-0.9	-3.4	-4.0	-3.5	-6.7	-0.9	0.0	0.0	0.2	0.0	-0.7	-0.2
12	C	-0.8	-1.0	-5.2	-7.7	-7.7	-2.8	-0.2	-0.3	-0.5	-0.7	-0.7	-0.1
12	All	-0.2	-1.0	-2.1	-1.6	-3.9	-0.9	-0.1	-0.1	0.1	0.1	-0.3	-0.2
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	-0.1	-0.3	-0.5	-0.4	-0.8	0.0	0.0	0.1	0.2	0.1	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	-0.5	-0.5	-1.3	-0.3	-1.6	-0.5	-0.1	-0.1	-0.2	-0.2	-0.3	-0.1
3	BN	-1.7	-3.4	-4.6	-4.4	-4.7	-1.5	0.0	0.0	0.0	0.0	-0.2	0.0
3	D	-1.0	-1.9	-8.8	-2.1	-11.3	-1.8	-0.1	-0.1	-0.2	-0.2	-0.4	0.0
3	C	-3.2	-5.6	-6.7	-1.6	-9.9	-1.0	-0.2	-0.3	-0.3	-0.2	-0.3	-0.3
3	All	-1.2	-2.1	-4.2	-1.7	-5.4	-0.9	-0.1	-0.1	-0.1	-0.2	-0.3	-0.1
4	W	-3.2	-4.6	-5.1	-5.2	-9.0	-3.1	-0.1	-0.1	-0.2	-0.3	-0.4	0.0
4	AN	-3.3	-3.9	-6.1	-5.0	-9.2	-10.8	-0.1	-0.1	-0.2	-0.3	-0.5	-0.2
4	BN	-1.8	-2.9	-6.3	-5.3	-15.3	-4.9	-0.1	-0.2	-0.4	-0.5	-0.6	-0.5
4	D	-1.1	-3.2	-11.2	-4.8	-21.1	-3.3	0.0	-0.2	-0.6	-0.6	-1.0	-0.5
4	C	0.4	-1.0	-6.9	-0.8	-18.1	-2.5	0.0	-0.2	-0.5	-0.1	-0.9	0.0
4	All	-1.9	-3.3	-7.0	-4.4	-14.3	-4.3	0.0	-0.2	-0.4	-0.4	-0.7	-0.3

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-150. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River near Bend Bridge, 56°F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.1	0.2	0.1	0.1	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.7	1.7	0.6	-4.4	0.8	0.6	-0.5	-0.4	-0.7	0.5	-0.4	0.1
11	BN	1.6	1.6	2.7	1.2	2.9	1.6	0.0	0.1	0.1	-0.3	0.2	0.1
11	D	-2.3	-2.0	-1.8	-4.4	-3.3	0.2	0.5	0.4	-0.3	-0.6	-0.7	0.1
11	C	-0.8	-2.9	-5.6	-8.8	-2.9	1.3	-1.0	-0.5	-0.9	-1.2	-0.9	0.1
11	All	-0.5	-1.2	-1.5	-3.5	-0.4	0.7	-0.4	0.0	-0.4	-0.4	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	AN	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	BN	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	D	0.0	-0.1	-0.3	-0.1	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
3	C	-0.6	-0.4	-0.4	-0.4	-0.8	-0.6	-0.5	0.0	0.0	-0.5	-0.5	-0.5
3	All	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	-0.3	0.0	0.2	-0.3	-0.3	-0.3
4	W	-2.0	-2.8	-4.6	-5.4	-8.1	-1.3	0.0	0.0	-0.1	-0.2	-0.2	0.0
4	AN	-1.9	-3.3	-5.3	-6.1	-12.2	-8.1	-0.1	0.0	-0.3	-0.1	-0.4	0.0
4	BN	-2.7	-7.6	-11.4	-12.5	-17.8	-11.8	0.0	0.0	-0.2	-0.4	-0.4	-0.4

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	D	-0.8	-6.8	-18.0	-12.9	-27.0	-12.3	0.0	-0.1	-0.3	-0.3	-0.3	-0.2
4	C	-0.2	-5.4	-15.8	-3.5	-24.2	-4.4	0.1	0.0	-0.2	0.0	-0.5	0.1
4	All	-1.6	-5.1	-10.7	-8.2	-18.0	-6.9	0.0	-0.1	-0.2	-0.2	-0.3	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline.

Table H1b-151. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River at Red Bluff Diversion Dam, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	2.8	0.9	5.8	2.4	8.2	2.6	0.0	0.0	-0.1	-0.1	0.0	0.0
11	AN	0.8	4.2	4.4	-1.1	10.0	0.3	0.0	0.3	0.2	-0.3	0.1	0.2
11	BN	-0.6	-1.6	3.5	-3.7	0.6	-1.0	0.3	0.3	0.3	0.2	0.4	0.2
11	D	-4.5	-0.2	4.1	-3.6	-5.3	-0.8	-0.2	-0.3	-0.2	-0.5	-0.6	0.0
11	C	-0.8	-0.2	1.0	-4.4	-3.3	3.7	-0.3	-0.3	-0.5	-0.8	-0.5	0.1
11	All	-0.2	0.5	4.0	-1.6	2.1	1.1	-0.1	-0.1	-0.1	-0.3	-0.2	0.1
12	W	0.2	0.0	-0.2	-0.3	-0.4	0.1	0.0	0.0	0.1	0.2	0.3	0.1
12	AN	0.0	1.6	-1.3	3.0	-2.2	-1.1	0.0	0.0	0.1	0.3	-0.3	-0.3
12	BN	0.2	-0.4	0.2	0.2	-1.5	-0.4	-0.1	0.0	0.3	0.3	-0.4	-0.1
12	D	-1.2	-2.5	-1.9	-2.5	-4.7	-1.9	0.0	0.1	0.1	0.1	-0.5	-0.1
12	C	-1.6	-2.6	-4.8	-5.4	-5.2	-2.4	-0.2	-0.3	-0.5	-0.5	-0.5	0.0
12	All	-0.4	-0.9	-1.4	-1.2	-2.6	-1.0	-0.1	-0.1	0.2	0.2	-0.1	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	-0.5	-0.8	-1.6	-1.4	-1.9	-0.4	0.1	0.1	0.4	0.3	0.2	0.1
3	AN	-1.6	-1.3	-1.9	-0.5	-3.2	-1.3	-0.1	0.0	-0.2	-0.1	-0.3	0.0
3	BN	-1.7	-3.0	-5.1	-3.6	-6.5	-1.7	-0.1	-0.2	-0.2	-0.3	-0.3	0.0
3	D	-1.3	-3.1	-11.1	-3.8	-14.7	-2.1	0.0	-0.1	-0.3	-0.1	-0.3	0.0
3	C	-2.6	-4.6	-6.9	-1.0	-10.1	-0.8	-0.2	-0.3	-0.2	-0.2	-0.4	-0.2
3	All	-1.4	-2.4	-5.3	-2.2	-7.1	-1.2	-0.1	-0.1	-0.2	-0.1	-0.3	-0.1
4	W	-2.9	-3.4	-4.3	-4.8	-7.9	-2.6	-0.1	-0.1	-0.3	-0.3	-0.5	-0.1
4	AN	-2.8	-3.1	-5.3	-4.7	-7.2	-5.3	-0.1	-0.1	-0.3	-0.3	-0.6	-0.4
4	BN	-2.5	-3.1	-6.7	-4.9	-15.1	-3.7	-0.1	-0.2	-0.4	-0.6	-0.7	-0.6
4	D	-0.5	-2.4	-9.4	-1.7	-15.5	-2.6	0.0	-0.3	-0.7	-0.7	-1.2	-0.6
4	C	1.7	-0.4	-4.4	1.5	-11.3	-1.7	0.0	-0.2	-0.6	-0.1	-1.1	-0.1
4	All	-1.5	-2.6	-6.0	-3.0	-11.3	-2.9	0.0	-0.2	-0.5	-0.4	-0.8	-0.3

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-152. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Sacramento River at Red Bluff Diversion Dam, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.3	0.3	0.3	0.3	1.2	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0
11	AN	-1.9	1.7	1.1	-4.2	0.8	0.6	-0.2	-0.4	-0.7	0.8	-0.4	0.1
11	BN	1.0	0.8	2.2	0.2	2.4	0.6	0.1	0.2	0.1	-0.2	0.3	0.3
11	D	-1.5	-1.5	-1.4	-3.6	-2.4	0.0	0.2	0.4	-0.4	-0.7	-0.9	0.1
11	C	-1.7	-4.6	-5.4	-9.4	-3.1	0.8	-0.8	-0.2	-0.9	-1.1	-0.7	0.1
11	All	-0.7	-1.4	-1.3	-3.5	-0.4	0.4	-0.4	0.0	-0.4	-0.3	-0.4	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.3	0.3	-0.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	-0.2	-0.2	-0.4	-0.4	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
3	D	-0.7	-0.9	-1.8	-1.5	-1.8	-0.7	0.0	-0.1	-0.4	0.1	-0.4	0.0
3	C	-1.8	-2.2	-2.2	-2.0	-2.4	-1.6	0.1	0.3	0.3	0.2	0.0	0.0
3	All	-0.5	-0.6	-0.8	-0.7	-1.0	-0.5	0.0	0.0	0.3	0.2	0.0	0.0
4	W	-1.9	-3.1	-4.9	-6.7	-9.3	-1.4	0.0	0.0	-0.2	-0.2	-0.3	0.0
4	AN	-3.3	-4.2	-9.2	-8.9	-16.9	-9.4	0.0	0.0	-0.2	-0.1	-0.4	-0.2
4	BN	-3.1	-4.3	-10.6	-11.2	-18.6	-10.0	0.0	-0.2	-0.3	-0.5	-0.6	-0.5
4	D	-0.5	-5.3	-18.3	-13.8	-29.7	-12.9	0.0	-0.2	-0.4	-0.4	-0.4	-0.2
4	C	2.7	-5.4	-14.2	0.2	-26.3	-2.1	0.0	0.0	-0.3	-0.1	-0.5	0.0
4	All	-1.2	-4.3	-10.9	-8.2	-20.0	-6.6	0.0	-0.1	-0.3	-0.3	-0.4	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-153. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Sacramento River below Keswick, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-154. Water T3emperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Sacramento River below Keswick, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-155. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Sacramento River near Bend Bridge, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-156. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Sacramento River near Bend Bridge, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-157. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Sacramento River at Red Bluff Diversion Dam, 68°F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-158. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Sacramento River at Red Bluff Diversion Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-159. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River below Keswick, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-4.8	-5.0	-5.0	-5.0	-5.0	0.0	-2.4	-2.4	-2.4	-2.4	-2.4	0.0
8	All	-0.8	-0.8	-0.8	-0.8	-0.8	0.0	-2.4	-2.4	-2.4	-2.4	-2.4	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-12.5	-13.1	-17.7	-17.7	-9.8	-3.5	-0.8	-1.4	-2.5	-2.5	-1.2	0.4
9	All	-2.0	-2.1	-2.9	-2.9	-1.6	-0.6	-0.8	-1.4	-2.5	-2.5	-1.2	0.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-3.0	-3.0	-8.6	-8.6	-4.8	-3.5	0.5	0.3	-1.0	-1.0	-0.8	0.6
10	BN	-1.9	-1.9	-1.9	-1.9	1.1	0.9	-0.3	-0.3	-0.3	-0.3	0.8	1.0
10	D	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10	C	-4.2	-4.2	-4.2	-4.2	0.4	0.2	-1.0	-1.0	-1.0	-1.0	0.2	-0.2
10	All	-2.5	-2.5	-3.2	-3.2	-1.4	-0.5	0.8	0.6	-0.7	-0.7	0.2	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-160. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River below Keswick, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-161. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River at Clear Creek, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.2	-5.6	-5.6	-5.6	-5.6	-0.2	-2.1	-2.6	-2.6	-2.6	-2.6	0.0
8	All	-0.9	-0.9	-0.9	-0.9	-0.9	0.0	-2.1	-2.6	-2.6	-2.6	-2.6	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-12.5	-13.1	-18.1	-17.5	-7.9	-2.7	-0.8	-1.4	-2.7	-2.7	-1.4	0.2
9	All	-2.0	-2.1	-3.0	-2.9	-1.3	-0.4	-0.8	-1.4	-2.7	-2.7	-1.4	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-4.3	-4.3	-9.7	-9.7	-5.4	-3.0	0.6	0.4	-1.0	-1.0	-0.7	0.3
10	BN	-1.9	-1.9	-1.9	-1.9	0.9	0.8	-0.4	-0.4	-0.4	-0.4	0.7	1.1
10	D	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10	C	-4.4	-4.4	-4.4	-4.4	0.2	0.2	-1.0	-1.0	-1.0	-1.0	0.3	-0.1
10	All	-2.7	-2.7	-3.4	-3.4	-1.6	-0.4	0.9	0.7	-0.7	-0.7	0.3	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-162. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River at Clear Creek, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-1.0	-1.0	-1.0	-1.0	-1.0	-0.2	-0.4	-0.4	-0.4	-0.4	-0.4	0.1
8	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-2.9	-2.9	-2.9	-2.9	-2.9	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.1
9	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-163. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River at Balls Ferry, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.3	-6.3	-6.3	-6.3	0.6	-2.0	-2.7	-2.7	-2.7	-2.7	-0.2
8	All	-0.9	-1.0	-1.0	-1.0	-1.0	0.1	-2.0	-2.7	-2.7	-2.7	-2.7	-0.2
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-12.1	-12.9	-18.1	-17.3	-5.8	-2.5	-0.7	-1.3	-2.6	-2.4	-1.5	0.2
9	All	-2.0	-2.1	-3.0	-2.8	-1.0	-0.4	-0.7	-1.3	-2.6	-2.4	-1.5	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-2.7	-2.7	-8.1	-7.8	-4.0	-1.9	0.5	0.3	-1.0	-1.0	-0.6	0.3
10	BN	-1.5	-1.5	-1.5	-1.5	0.9	0.8	-0.4	-0.4	-0.4	-0.4	0.6	0.8
10	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10	C	-3.8	-3.8	-3.8	-3.8	0.2	0.2	-1.0	-1.0	-1.0	-1.0	0.3	-0.2
10	All	-2.0	-2.0	-2.7	-2.7	-1.1	0.0	0.8	0.6	-0.7	-0.7	0.2	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-164. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River at Balls Ferry, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-1.8	-1.8	-1.8	-1.8	-1.8	-0.2	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
8	All	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-1.9	-1.9	-1.9	-1.9	-1.9	0.2	-0.3	-0.3	-0.3	-0.3	-0.3	0.1
9	All	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline.

Table H1b-165. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River near Bend Bridge, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	-0.1	-0.4	-0.4	-0.4	-0.4	0.1	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.6	0.6	0.2	0.6	0.2	0.0	0.3	0.3	0.0	0.3	0.0	0.0
6	All	0.1	0.1	0.0	0.1	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	-0.2	-0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.0	-7.5	-7.7	-7.7	-7.5	-0.2	-2.2	-2.9	-2.9	-2.9	-2.9	0.2
8	All	-1.0	-1.2	-1.3	-1.3	-1.2	0.0	-2.2	-2.9	-2.9	-2.9	-2.9	0.2
9	W	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-14.0	-14.4	-19.8	-18.5	-6.0	-3.5	-0.3	-0.9	-2.5	-2.0	-1.1	0.4
9	All	-2.3	-2.4	-3.3	-3.1	-1.0	-0.6	-0.3	-0.9	-2.5	-2.0	-1.1	0.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-2.2	-2.2	-7.5	-7.3	-4.8	-0.8	0.4	0.2	-0.9	0.1	-0.3	0.1
10	BN	-1.3	-1.3	-1.3	-1.3	0.8	0.8	-0.4	-0.4	-0.4	-0.4	0.6	0.7
10	D	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10	C	-3.4	-3.4	-3.4	-3.4	0.2	0.2	-1.1	-1.1	-1.1	-1.1	0.2	-0.2
10	All	-1.8	-1.8	-2.4	-2.4	-1.2	0.2	0.6	0.5	-0.7	0.3	0.4	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-166. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River near Bend Bridge, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-2.2	-2.2	-2.2	-2.2	-2.2	-0.2	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
8	All	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-1.0	-1.0	-1.0	-1.0	-1.0	0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.1
9	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline.

Table H1b-167. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River at Red Bluff Diversion Dam, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	-0.6	-0.8	-1.0	-1.0	-1.1	-0.1	0.2	-0.5	0.2	0.2	-0.8	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-0.7	-0.7	-0.7	-0.7	-0.7	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	0.1
5	C	0.2	0.2	0.2	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
5	All	-0.3	-0.4	-0.4	-0.5	-0.5	-0.1	0.4	-0.1	0.4	0.4	-0.6	0.1
6	W	0.0	0.0	0.1	0.0	-0.3	0.3	0.0	0.0	-0.1	0.0	0.1	-0.1
6	AN	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.3	0.3	0.2	0.2	0.2	-0.2	0.3	0.3	0.5	0.5	0.5	0.0
6	C	4.2	4.4	4.8	2.9	3.1	0.0	0.6	0.7	0.5	0.6	0.6	0.0
6	All	0.9	0.9	0.9	0.5	0.4	0.2	0.0	0.0	0.0	0.1	0.1	0.0
7	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0
7	D	0.0	0.1	0.1	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0
7	C	4.8	7.5	6.7	5.2	12.1	-0.2	0.0	0.0	-0.1	-0.1	-0.1	0.5
7	All	0.8	1.3	1.1	0.8	2.3	0.0	0.2	0.1	0.0	0.1	0.1	0.2
8	W	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.0	-8.1	-7.9	-8.3	-6.5	-0.2	-2.2	-2.2	-2.7	-3.2	-2.5	0.2
8	All	-1.1	-1.4	-1.4	-1.4	-1.2	-0.1	-2.0	-2.0	-2.5	-3.0	-2.3	0.3
9	W	-1.2	-1.2	-1.2	-1.2	-1.2	-0.2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.3
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-0.2	-0.2	-0.2	-0.2	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.5
9	D	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-15.0	-15.0	-19.6	-19.2	-5.0	-3.1	-0.1	-0.8	-2.1	-1.7	-1.0	0.3
9	All	-2.9	-2.9	-3.7	-3.6	-1.3	-0.6	0.2	-0.6	-1.8	-1.4	-0.8	0.3
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-2.2	-2.2	-7.5	-7.0	-4.6	-0.5	0.4	0.2	-1.0	-0.5	-0.4	0.0
10	BN	-1.3	-1.3	-1.3	-1.3	0.8	0.6	-0.6	-0.6	-0.6	-0.6	0.4	0.6
10	D	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10	C	-3.4	-3.4	-3.4	-3.4	0.2	0.0	-1.2	-1.2	-1.2	-1.2	0.3	-0.1
10	All	-1.8	-1.8	-2.5	-2.4	-1.2	0.2	0.6	0.4	-0.7	-0.2	0.4	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-168. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Sacramento River at Red Bluff Diversion Dam, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-1.2	-1.2	-1.2	-1.2	-1.2	0.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.2
8	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	-0.2
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-5.6	-5.6	-5.6	-5.6	-5.6	0.4	-0.6	-0.6	-0.6	-0.6	-0.6	0.0
9	All	-0.9	-0.9	-0.9	-0.9	-0.9	0.1	-0.6	-0.6	-0.6	-0.6	-0.6	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline.

Table H1b-169. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Sacramento River at Keswick, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.2	0.3	0.3	0.3	0.4	0.1	-0.1	-0.1	0.0	0.0	0.1	-0.1
1	AN	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.4	0.2	0.4	0.2
1	BN	0.6	0.4	0.2	0.4	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.0
1	D	0.3	0.1	-0.1	0.1	-0.1	0.3	0.3	0.3	0.0	0.3	0.0	0.3
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.2	0.1	0.2	0.0
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
3	C	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	0.0	0.0	0.0	0.0	0.0
3	All	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-170. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Sacramento River at Clear Creek, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.1	0.3	0.3	0.3	0.4	0.0	0.2	0.1	0.1	0.1	0.3	0.0
1	AN	0.3	0.3	0.5	0.0	0.5	0.3	0.2	0.2	0.1	0.0	0.1	0.2
1	BN	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.1	0.1	0.2	0.2	0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.0
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	-0.1	-0.6	-0.4	-0.4	-0.6	0.0	0.0	0.0	0.0	0.0	-0.3
3	C	-1.4	-2.6	-2.6	-2.2	-2.6	-2.0	-0.4	-0.6	-0.6	-0.1	-0.6	-0.3
3	All	-0.2	-0.5	-0.6	-0.5	-0.5	-0.5	-0.3	-0.2	-0.2	-0.2	-0.3	-0.3

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-171. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Sacramento River at Balls Ferry, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.1	0.1	-0.2	0.0	0.0	0.0	-0.1	-0.1	0.3	0.0
3	AN	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	BN	-0.6	-0.6	-0.8	-0.8	-0.8	-0.4	0.0	0.0	0.0	0.0	0.0	0.0
3	D	-0.7	-1.2	-2.3	-1.6	-2.5	-0.7	-0.1	-0.1	-0.3	-0.2	-0.2	-0.2
3	C	-1.6	-2.2	-2.4	-1.4	-2.6	-2.4	-0.2	-0.4	-0.4	-0.4	-0.5	-0.2
3	All	-0.5	-0.7	-1.0	-0.7	-1.2	-0.6	-0.1	-0.2	-0.3	-0.2	-0.2	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-172. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Sacramento River near Bend Bridge, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	-0.2	-0.2	-0.5	0.0	0.0	0.0	0.2	0.2	0.1	0.0
3	AN	-0.3	-0.3	-0.3	-0.3	-0.5	-0.3	0.5	-0.5	-0.5	0.5	-0.5	0.5
3	BN	-1.1	-2.1	-2.1	-2.1	-3.0	-0.9	0.0	0.1	0.0	0.0	-0.3	0.0
3	D	-1.2	-1.3	-4.4	-1.8	-6.2	-1.2	0.0	-0.2	-0.3	-0.3	-0.4	0.0
3	C	-2.0	-3.8	-4.0	-2.0	-6.3	-2.4	-0.2	-0.2	-0.3	-0.2	-0.1	-0.3
3	All	-0.8	-1.3	-2.1	-1.2	-3.2	-0.9	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-173. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Sacramento River at Red Bluff Diversion Dam, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0.1	0.1	0.1	0.0	-0.3	0.1
3	AN	-0.8	-0.8	-1.3	-1.1	-1.3	-0.5	0.2	0.2	0.5	0.0	-0.5	0.0
3	BN	-0.8	-1.9	-3.0	-2.8	-3.2	-0.8	-0.1	-0.1	0.1	0.0	-0.3	-0.1
3	D	-1.5	-2.2	-6.7	-2.5	-8.8	-1.3	0.0	-0.1	-0.3	-0.2	-0.4	0.0
3	C	-3.0	-5.6	-5.0	-2.2	-7.5	-1.2	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3
3	All	-1.1	-1.9	-3.1	-1.6	-4.0	-0.7	0.0	-0.1	-0.2	-0.1	-0.3	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-174. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.1	-0.8	-1.9	-0.6	-0.8	0.3	-0.5	-0.6	-0.8	-0.4	-0.6	0.0
11	BN	0.2	0.2	-0.4	-0.4	0.0	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5
11	All	-0.5	-0.4	-0.7	-0.5	-0.4	0.2	-0.2	-0.2	-0.3	0.0	-0.1	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-175. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River below Keswick, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-176. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River at Clear Creek, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.4	-1.4	-1.4	-1.1	-1.1	0.0	-0.2	0.0	-0.3	0.0	-0.2	0.1
11	BN	2.0	2.0	0.8	1.6	1.4	2.0	-0.5	-0.5	-0.7	-0.8	-0.4	-0.4
11	D	-0.6	-0.3	-1.2	-1.2	-1.2	-0.2	-0.3	-0.1	-0.3	-0.3	-0.3	0.2
11	C	-2.9	-2.5	-2.7	-2.9	-2.1	1.9	-0.4	-0.4	0.6	-0.4	0.3	-0.1
11	All	-0.9	-0.8	-1.2	-1.1	-1.0	0.6	0.1	0.1	0.1	0.1	0.3	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-177. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River at Clear Creek, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-178. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.9	-1.9	-1.9	-1.1	-1.1	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	-0.1
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.8	-0.8	-0.8	-0.6	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
11	All	-0.6	-0.6	-0.6	-0.5	-0.5	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-0.2	-0.2	-0.5	-0.6	-0.6	-0.6	0.1	0.1	-0.3	-0.3	-0.3	-0.3
4	C	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
4	All	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.1	0.0	-0.3	0.2	-0.3	-0.3
5	W	-0.9	-0.4	-1.8	-2.2	-2.6	0.8	-0.1	-0.3	-0.3	-0.4	-0.5	0.0
5	AN	0.0	-0.3	1.1	-0.5	2.2	-0.8	0.0	-0.2	0.0	-0.5	-0.3	-0.5
5	BN	-0.2	0.0	1.3	1.3	0.6	0.2	0.0	0.0	0.4	0.9	0.3	0.0
5	D	-0.7	-1.3	-1.6	-1.9	-2.1	-0.1	-0.3	-0.6	-0.4	-0.4	-0.7	-0.1
5	C	1.0	1.6	1.4	1.2	1.6	0.2	-0.3	-0.4	-0.4	-0.8	-0.7	-0.3
5	All	-0.3	-0.2	-0.3	-0.8	-0.7	0.2	-0.2	-0.3	-0.3	-0.3	-0.5	-0.1
6	W	0.2	-0.7	0.2	-0.4	-1.9	0.7	-0.1	-0.1	-0.1	0.0	0.0	-0.1
6	AN	-0.8	-0.6	1.1	-1.4	0.8	4.2	-0.1	0.1	-0.4	-0.6	-0.1	0.0
6	BN	0.0	0.2	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.2
6	D	0.9	1.4	0.3	0.5	0.3	-0.3	0.3	0.1	0.3	0.0	0.3	0.0
6	C	13.8	9.0	10.0	5.4	13.5	-0.4	0.4	0.6	0.5	0.5	0.4	0.1
6	All	2.9	1.9	2.3	0.9	2.0	0.7	-0.1	0.0	-0.1	0.0	-0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-179. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River at Balls Ferry, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-180. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River near Bend Bridge, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.4	-0.8	-1.4	-1.0	-1.4	-1.2	0.0	-0.2	-0.6	-0.6	-0.6	-0.6
4	D	0.0	-0.2	-1.5	-2.6	-2.6	-1.4	-0.1	-0.1	-0.4	-0.7	-0.7	-0.3
4	C	0.2	0.0	-0.6	0.4	-1.0	0.0	0.1	0.0	-0.4	0.3	-0.4	0.0
4	All	-0.1	-0.2	-0.7	-0.7	-1.0	-0.5	0.0	0.0	-0.4	-0.2	-0.6	-0.3
5	W	-1.1	-0.4	-1.2	-2.3	-2.8	1.7	-0.2	-0.2	-0.4	-0.4	-0.6	-0.1
5	AN	0.0	-1.9	1.1	-1.9	2.2	-0.8	0.0	0.0	0.0	-0.2	0.0	-0.3
5	BN	-2.7	-2.3	0.9	0.8	-0.6	-0.8	-0.3	-0.1	0.0	0.2	-0.1	0.2
5	D	-1.8	-1.3	-1.0	-1.6	-2.5	-0.9	-0.2	-0.5	-0.5	-0.7	-0.5	0.0
5	C	4.0	6.5	4.6	3.0	5.2	-2.0	0.1	0.2	0.1	0.0	0.1	0.3
5	All	-0.7	-0.1	0.5	-0.6	-0.6	-0.2	-0.1	-0.1	-0.3	-0.3	-0.3	0.0
6	W	-0.3	-1.4	-0.2	-0.9	2.2	1.1	0.0	-0.1	-0.1	-0.1	-0.3	0.0
6	AN	-4.4	-3.3	9.7	-1.7	0.8	15.8	0.1	0.0	0.2	0.0	0.2	0.3
6	BN	-0.8	-0.4	-1.6	0.8	4.1	2.9	-0.1	-0.1	-0.1	0.0	0.5	0.1
6	D	4.7	7.7	2.0	5.6	2.9	1.4	-0.1	-0.3	-0.1	-0.4	-0.2	-0.4
6	C	20.2	19.4	22.3	13.3	26.7	0.4	0.7	0.6	0.6	0.5	0.5	-0.1
6	All	3.7	4.1	5.0	3.2	6.2	3.1	0.2	0.1	0.1	0.0	0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-181. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River near Bend Bridge, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	-0.3	-0.6	-0.8	-0.8	-0.8	0.0	-0.1	-0.6	-0.6	-0.6	-0.6	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	-0.1	-0.2	-0.2	-0.3	-0.3	0.0	-0.1	-0.5	-0.5	-0.5	-0.5	0.0
6	W	-0.1	-0.1	-0.1	0.0	-0.2	0.2	0.1	0.1	0.1	0.0	0.0	-0.1
6	AN	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.3	0.3	0.3	0.2	0.3	0.0	0.0	0.5	0.5	0.0	0.0	0.0
6	C	1.0	2.1	1.5	1.0	1.7	0.0	0.8	0.5	0.4	0.8	0.4	0.0
6	All	0.2	0.4	0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.1	-0.1	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-182. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.6	-0.6	-0.8	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.6	-0.8	-0.8	-0.8	-0.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.2
11	All	-0.3	-0.3	-0.3	-0.3	-0.3	0.1	-0.3	-0.3	-0.3	-0.3	0.2	-0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.1	-0.2	-0.3	-0.3	-0.7	-0.1	0.1	0.2	-0.1	-0.1	-0.6	0.1
4	AN	-0.6	-0.8	-1.4	-1.1	-1.7	-1.4	-0.1	0.0	-0.3	0.2	-0.3	-0.3
4	BN	-1.4	-2.2	-4.9	-5.7	-7.1	-5.7	0.0	-0.2	-0.3	0.0	-0.3	-0.3
4	D	0.2	-3.6	-7.0	-7.0	-8.0	-5.8	0.0	0.1	0.0	-0.3	-0.3	-0.2
4	C	0.2	0.0	-3.1	-0.4	-6.0	0.2	0.1	0.0	-0.3	0.1	-0.2	0.0
4	All	-0.3	-1.4	-3.2	-2.9	-4.6	-2.4	0.0	0.0	-0.1	-0.1	-0.2	-0.1
5	W	-2.4	-1.6	-1.8	-3.1	-1.8	2.6	-0.1	-0.1	-0.3	-0.3	-0.6	-0.1
5	AN	-0.3	-0.8	3.2	-0.3	6.5	6.7	0.0	-0.2	-0.1	-0.4	-0.2	-0.5
5	BN	-3.2	-3.8	-0.9	-1.5	-1.7	-3.8	-0.3	-0.2	0.2	0.2	0.0	0.3
5	D	-4.4	-0.7	-0.3	-2.1	-5.3	-2.9	0.0	-0.3	-0.3	-0.3	-0.2	0.1
5	C	15.1	12.7	12.1	9.9	8.7	-0.6	0.0	0.3	0.2	0.0	0.2	-0.2
5	All	0.2	0.6	1.6	-0.1	-0.2	0.3	-0.1	-0.1	-0.1	-0.2	-0.2	0.0
6	W	-0.7	-2.2	-1.6	-1.9	1.8	1.2	0.0	0.0	0.0	-0.1	-0.3	-0.1
6	AN	-3.9	-5.0	7.8	-3.3	-0.6	14.7	-0.1	0.0	0.3	0.1	0.2	0.4
6	BN	-0.8	-0.4	-1.2	1.0	4.1	3.3	0.0	0.0	-0.1	0.0	0.6	0.2
6	D	5.8	8.0	2.3	7.4	4.5	1.2	-0.1	-0.2	-0.1	-0.3	-0.2	-0.3
6	C	24.6	24.0	26.0	17.5	28.5	1.7	0.7	0.6	0.6	0.5	0.6	-0.1
6	All	4.6	4.5	5.1	3.8	6.8	3.2	0.2	0.2	0.2	0.1	0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-183. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Sacramento River at Red Bluff Diversion Dam, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	-0.3	-0.3	-0.3	-0.3	0.0	0.0	-0.5	-0.5	-0.5	-0.5
4	C	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.2	-0.3	-0.3	-0.3	-0.3
5	W	-0.8	-0.8	-1.1	-1.1	-1.3	-0.1	0.1	-0.5	-0.6	-0.6	-1.1	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0
5	D	-1.2	-1.0	-1.2	-1.2	-1.2	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	0.2
5	C	0.4	0.8	0.2	0.0	0.0	0.0	0.7	0.6	1.0	0.0	0.0	0.0
5	All	-0.4	-0.3	-0.6	-0.5	-0.7	-0.1	0.2	-0.3	-0.1	-0.5	-0.8	0.0
6	W	0.1	0.0	0.0	0.0	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.3	0.5	0.3	0.2	0.3	0.0	0.5	0.3	0.5	0.0	0.5	0.0
6	C	3.8	4.2	4.4	2.7	2.9	0.0	0.6	0.7	0.5	0.7	0.6	0.0
6	All	0.8	0.9	0.8	0.5	0.5	0.2	0.0	0.0	0.0	0.1	0.0	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-184. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Sacramento River below Keswick, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-185. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Sacramento River below Keswick, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-186. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Sacramento River near Bend Bridge, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.2	-3.2	-3.2	-3.2	-3.2	-0.2	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-1.1	-1.1	-1.1	-1.1	-1.1	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.8	-5.8	-5.8	-5.8	-5.8	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
9	All	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-187. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Sacramento River near Bend Bridge, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-188. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Sacramento River at Red Bluff Diversion Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-2.8	-2.8	-2.8	-2.8	-2.8	0.2	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
8	All	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.9	-0.9	-0.9	-0.9	-0.9	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-7.1	-8.1	-8.1	-8.1	-7.3	0.4	-0.8	-1.2	-1.2	-1.2	-1.0	0.0
9	All	-1.2	-1.3	-1.3	-1.3	-1.2	0.1	-0.8	-1.2	-1.2	-1.2	-1.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-0.3	-0.5	-0.5	-0.5	-0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
10	All	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-189. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Sacramento River at Red Bluff Diversion Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-190. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Sacramento River below Keswick, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-7.5	-7.9	-7.9	-7.7	-0.2	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
8	All	-1.0	-1.2	-1.3	-1.3	-1.3	0.0	-2.3	-3.0	-3.5	-3.5	-3.5	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-19.2	-19.4	-24.4	-21.5	-9.2	-4.6	0.0	-0.9	-2.9	-2.8	-1.2	0.2
9	All	-3.1	-3.2	-4.0	-3.5	-1.5	-0.7	0.0	-0.9	-2.9	-2.8	-1.2	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.3	-7.3	-14.2	-8.1	-7.3	0.3	0.4	0.4	-2.3	-1.4	-0.5	-0.2
10	BN	-5.9	-5.9	-5.9	-5.9	0.0	0.0	-2.1	-2.1	-2.1	-2.1	0.2	0.2
10	D	-4.1	-4.1	-4.1	-4.1	-4.1	-0.3	-2.0	-2.0	-2.0	-2.0	-2.0	-1.2
10	C	-9.3	-9.3	-7.3	-9.3	-3.0	-0.8	-1.9	-1.9	-1.7	-1.9	1.0	0.0
10	All	-5.4	-5.4	-5.9	-5.5	-3.3	-0.2	1.1	1.0	-1.6	-0.7	0.6	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.1	-0.8	-1.9	-0.6	-0.8	0.3	-0.5	-0.6	-0.8	-0.4	-0.6	0.0
11	BN	0.2	0.2	-0.4	-0.4	0.0	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5
11	All	-0.5	-0.4	-0.7	-0.5	-0.4	0.2	-0.2	-0.2	-0.3	0.0	-0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-191. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Sacramento River at Balls Ferry, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-2.9	-2.9	-2.9	-2.9	-2.9	-1.8	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.9	-8.5	-5.4	-0.6	-0.8	-3.0	-3.8	-4.9	-5.1	-4.7	0.4
8	All	-1.8	-2.0	-2.3	-1.8	-1.0	-0.7	-1.1	-2.0	-3.1	-3.3	-2.8	1.2
9	W	-2.0	-2.0	-2.0	-2.0	-2.0	-0.4	-1.2	-1.2	-1.2	-1.2	-1.2	-0.2
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-1.1	-1.1	-0.9	-1.1	-1.1	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.3
9	D	-5.3	-5.2	-5.2	-5.3	-5.3	-3.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.3
9	C	-30.2	-31.0	-31.7	-31.3	-18.5	-4.6	1.0	0.7	-2.2	-1.6	0.1	-0.1
9	All	-6.9	-7.0	-7.1	-7.1	-5.0	-1.6	1.8	1.4	-1.5	-0.7	1.0	0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.8	-7.8	-12.4	-7.8	-7.8	0.3	0.6	0.5	-2.3	-1.1	-0.3	-0.2
10	BN	-4.9	-4.7	-5.9	-5.9	0.0	0.0	-2.4	-2.4	-2.6	-2.6	0.3	0.1
10	D	-5.9	-5.1	-5.9	-5.9	-5.9	-1.6	-1.8	-1.6	-1.8	-1.8	-1.8	-0.5
10	C	-11.5	-9.5	-5.8	-11.5	-5.2	0.0	-2.2	-1.8	-1.5	-2.2	1.4	-0.2
10	All	-6.0	-5.5	-5.8	-6.2	-4.1	-0.3	1.1	0.2	-1.3	-0.1	1.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.9	-1.9	-1.9	-1.1	-1.1	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	-0.1
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.8	-0.8	-0.8	-0.6	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
11	All	-0.6	-0.6	-0.6	-0.5	-0.5	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-192. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Sacramento River at Red Bluff Diversion Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-6.2	-5.6	-5.3	-5.6	-5.5	-0.6	-1.1	-1.0	-1.0	-1.0	-1.1	-0.2
8	AN	0.3	2.7	-0.3	3.8	-0.3	3.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.1
8	BN	-0.4	-0.2	-0.4	0.0	-0.4	0.4	-0.3	0.2	-0.3	0.3	0.7	-0.1
8	D	0.1	-0.1	0.7	-0.3	5.4	-0.3	-0.5	0.5	-0.1	-0.5	-0.1	-0.5
8	C	-11.3	-12.7	-2.8	-10.9	10.1	-4.6	-1.1	-1.3	-1.6	-1.2	-1.3	0.6
8	All	-3.8	-3.5	-2.0	-3.1	1.2	-0.5	-0.9	-1.1	-1.2	-1.0	-1.0	0.0
9	W	-1.3	-1.2	-1.1	-0.9	0.4	-0.2	-1.0	-1.0	-1.0	-1.1	-1.3	-0.1
9	AN	-0.6	0.6	-0.6	0.8	8.9	6.9	0.0	0.3	0.0	0.2	0.7	0.7
9	BN	-4.7	-3.2	-1.3	0.0	-2.5	1.5	-0.2	-0.3	-0.3	-0.4	-0.5	0.1
9	D	-17.1	-16.8	-14.8	-17.1	-13.8	-2.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.3
9	C	-37.5	-40.4	-46.0	-46.3	-31.3	-2.7	-1.2	-1.2	-1.8	-1.5	0.0	-0.2
9	All	-11.3	-11.3	-11.5	-11.6	-7.4	0.0	-0.9	-1.0	-1.3	-1.3	-0.5	-0.2
10	W	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	-0.1	-0.1	-0.1	0.2
10	AN	-8.1	-8.3	-9.9	-8.9	-7.0	0.8	0.3	0.3	-2.5	-0.9	-0.7	-0.1
10	BN	-4.7	-3.8	-5.9	-5.9	0.0	0.0	-2.3	-2.4	-2.8	-2.8	0.3	0.0
10	D	-4.5	-3.7	-5.4	-4.7	-4.4	-1.0	-1.2	-1.2	-1.5	-1.3	-1.6	-0.5
10	C	-14.5	-9.9	-8.9	-15.3	-6.9	1.8	-2.0	-1.3	-0.7	-2.3	0.9	-0.3
10	All	-6.1	-5.1	-5.9	-6.6	-3.9	0.2	0.0	-0.5	-1.1	-0.3	0.4	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.6	-0.6	-0.8	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	C	-0.8	-0.6	-0.8	-0.8	-0.8	-0.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.2
11	All	-0.3	-0.3	-0.3	-0.3	-0.3	0.1	-0.3	-0.3	-0.3	-0.3	0.2	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Green Sturgeon

Table H1b-193. Summary of Potential Effects of Flow Scenarios on Green Sturgeon, Sacramento River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Spawning, Egg Incubation, and Alevins						
a Favorable	0.0%	0.0%	0.0%	1.3%	4.0%	1.3%
b Unfavorable	5.3%	5.3%	6.7%	5.3%	6.7%	0.0%
Non-Spawning Adult Presence						
Favorable	2.1%	2.1%	2.7%	3.6%	3.9%	0.3%
Unfavorable	0.9%	0.9%	1.2%	1.5%	1.5%	0.0%
Larval and Juvenile Rearing and Emigration						
Favorable	2.5%	2.5%	3.3%	4.6%	4.6%	0.4%
Unfavorable	1.3%	1.3%	0.8%	1.7%	1.3%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-194. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Sacramento River at Bend Bridge, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	-0.1	-0.4	-0.4	-0.4	-0.4	0.1	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.6	0.6	0.2	0.6	0.2	0.0	0.3	0.3	0.0	0.3	0.0	0.0
6	All	0.1	0.1	0.0	0.1	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	-0.2	-0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-195. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Sacramento River at Red Bluff Diversion Dam, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	-0.6	-0.8	-1.0	-1.0	-1.1	-0.1	0.2	-0.5	0.2	0.2	-0.8	0.1
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-0.7	-0.7	-0.7	-0.7	-0.7	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	0.1
5	C	0.2	0.2	0.2	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
5	All	-0.3	-0.4	-0.4	-0.5	-0.5	-0.1	0.4	-0.1	0.4	0.4	-0.6	0.1
6	W	0.0	0.0	0.1	0.0	-0.3	0.3	0.0	0.0	-0.1	0.0	0.1	-0.1
6	AN	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.3	0.3	0.2	0.2	0.2	-0.2	0.3	0.3	0.5	0.5	0.5	0.0
6	C	4.2	4.4	4.8	2.9	3.1	0.0	0.6	0.7	0.5	0.6	0.6	0.0
6	All	0.9	0.9	0.9	0.5	0.4	0.2	0.0	0.0	0.0	0.1	0.1	0.0
7	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0
7	D	0.0	0.1	0.1	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0
7	C	4.8	7.5	6.7	5.2	12.1	-0.2	0.0	0.0	-0.1	-0.1	-0.1	0.5
7	All	0.8	1.3	1.1	0.8	2.3	0.0	0.2	0.1	0.0	0.1	0.1	0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-196. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Sacramento River at Hamilton City, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	-0.3	-0.3	-0.4	0.0	0.0	0.0	0.4	0.4	-0.6	0.0
4	AN	0.0	-0.3	-0.8	-0.6	-1.1	-1.1	0.0	0.1	-0.3	0.3	-0.3	-0.3
4	BN	-1.2	-2.0	-5.1	-5.7	-6.9	-5.1	0.0	-0.2	-0.4	0.1	-0.7	-0.5
4	D	0.3	-3.3	-7.1	-7.4	-8.2	-5.9	0.1	0.0	-0.1	-0.4	-0.4	-0.3
4	C	3.3	0.0	-5.0	2.9	-9.2	1.3	0.0	0.2	-0.1	0.0	-0.2	0.1
4	All	0.4	-1.2	-3.5	-2.4	-4.9	-2.1	0.1	0.1	-0.1	0.0	-0.2	-0.1
5	W	-3.2	-4.4	-6.1	-8.2	-6.7	0.1	-0.2	-0.1	-0.2	-0.3	-0.6	0.0
5	AN	-1.3	-3.2	-3.8	-13.7	-8.1	0.5	0.0	-0.1	-0.5	-0.7	-0.3	-0.2
5	BN	-4.4	-3.8	-7.0	-6.6	-8.5	-6.5	-0.3	-0.3	0.0	-0.1	-0.3	-0.1
5	D	-3.1	3.5	-1.9	-1.2	-6.9	-6.6	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
5	C	23.8	21.0	15.5	23.0	8.3	0.2	0.9	1.0	0.9	0.7	0.5	-0.2
5	All	1.1	1.6	-1.5	-2.0	-5.2	-2.5	0.2	0.2	0.1	0.1	-0.1	-0.1
6	W	-4.0	-12.6	-23.4	-22.0	-19.6	1.1	-0.1	-0.2	0.1	0.0	-0.1	-0.1
6	AN	-5.6	-20.0	-23.6	-21.7	-32.5	7.2	0.0	-0.4	0.4	-0.4	-0.5	0.5
6	BN	-2.0	-1.4	-2.2	-2.5	2.9	4.7	0.0	0.1	-0.2	0.0	0.2	0.0
6	D	14.7	26.2	13.3	25.0	23.0	-0.8	0.5	0.4	0.2	0.7	0.2	0.1
6	C	25.0	28.1	26.9	22.9	26.5	-0.6	1.7	1.5	1.3	1.3	1.2	0.1
6	All	5.2	4.0	-3.0	-0.4	0.1	1.8	0.5	0.4	0.4	0.4	0.3	0.1
7	W	1.8	-2.3	-7.6	0.1	-8.4	1.2	-0.2	-0.3	-0.2	-0.3	-0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	5.9	0.8	5.4	11.0	5.1	5.6	0.0	-0.1	0.0	-0.2	0.2	0.3
7	BN	4.0	9.3	22.2	5.7	50.1	6.5	0.0	0.4	0.5	-0.1	0.9	0.1
7	D	10.0	37.7	56.5	14.8	66.1	-1.9	0.4	0.9	1.2	0.2	1.5	0.2
7	C	20.2	23.0	28.8	26.4	28.8	2.0	2.1	2.4	2.4	2.1	2.7	0.1
7	All	7.9	13.8	20.1	10.4	26.9	2.0	0.6	0.7	0.9	0.5	1.0	0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-197. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River at Bend Bridge, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.4	-3.4	-3.4	-3.4	-3.4	0.2	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
8	All	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-7.7	-8.8	-8.8	-8.8	-8.1	0.2	-0.9	-1.1	-1.1	-1.1	-0.8	0.0
9	All	-1.3	-1.4	-1.4	-1.4	-1.3	0.0	-0.9	-1.1	-1.1	-1.1	-0.8	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	-0.5	-0.5	-0.5	-0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.3
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-198. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River at Bend Bridge, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-199. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River below Red Bluff Diversion Dam, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-4.6	-4.6	-4.6	-4.6	-4.6	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
8	All	-0.8	-0.8	-0.8	-0.8	-0.8	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-7.3	-8.3	-9.2	-9.2	-7.3	0.0	-0.9	-1.4	-1.4	-1.4	-1.0	0.1
9	All	-1.2	-1.4	-1.5	-1.5	-1.2	0.0	-0.9	-1.4	-1.4	-1.4	-1.0	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.3	-0.3	-0.5	-0.5	-0.5	0.3	-0.2	-0.5	-0.5	-0.5	-0.5	-0.2
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	C	-0.4	-0.4	-0.4	-0.4	0.0	-0.4	0.0	0.0	0.0	0.0	0.5	0.0
10	All	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.1	-0.3	-0.3	-0.3	0.3	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.
[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-200. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River below Red Bluff Diversion Dam, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-201. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River at Hamilton City, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-6.0	-4.7	-4.6	-4.5	-5.3	-0.5	-1.3	-1.1	-1.0	-1.1	-1.1	-0.2
8	AN	1.9	5.9	2.2	7.5	-0.8	7.0	-0.1	-0.2	0.0	0.1	0.0	-0.1
8	BN	-0.2	-0.4	-0.4	0.0	0.6	0.2	-0.2	0.3	-0.1	0.2	0.1	0.1
8	D	0.3	0.4	1.5	-0.1	11.1	-0.7	-0.1	-0.2	0.3	-0.3	0.3	-0.5
8	C	-3.8	-2.4	11.3	3.2	27.4	-0.8	-1.3	-1.3	-1.1	-1.0	-1.0	0.3
8	All	-2.2	-1.0	1.0	0.0	5.9	0.4	-0.9	-1.0	-0.7	-0.7	-0.7	-0.1
9	W	-1.6	-1.6	-1.6	-1.6	-1.6	0.1	-2.3	-2.3	-2.3	-2.3	-2.3	-0.5
9	AN	0.0	0.0	0.0	0.0	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.3
9	BN	-1.5	-1.5	-0.9	-1.3	-1.9	1.7	-0.4	-0.5	-0.7	-0.8	-0.5	-0.1
9	D	-6.4	-6.5	-6.2	-6.4	-6.2	-2.7	-0.4	-0.1	-0.1	-0.3	-0.4	0.0
9	C	-19.6	-19.8	-23.5	-23.5	-10.8	-2.9	-0.2	-0.4	-0.9	-0.4	-0.2	0.2
9	All	-5.4	-5.4	-5.9	-6.0	-3.9	-0.6	-0.3	-0.4	-0.7	-0.6	-0.2	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	-1.6	-1.1	-0.8	0.0	0.0	-0.2	-1.2	-1.2	-0.2	0.3
10	BN	-0.2	-0.2	-0.2	-0.2	0.0	0.8	0.0	0.0	0.0	0.0	1.0	0.4
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	-1.6	-1.6	-1.2	-1.6	0.6	0.2	-1.3	-1.3	-0.8	-1.3	0.3	-0.3
10	All	-0.6	-0.6	-0.8	-0.8	-0.3	0.2	0.5	0.3	-0.2	-0.7	0.7	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-202. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River at Hamilton City, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-203. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River at Knights Landing, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.1	-0.1	-0.4	-0.4	-0.6	-0.1	0.1	0.1	0.3	0.3	-0.4	0.1
4	AN	0.0	0.0	-0.8	-0.6	-1.1	-0.6	0.0	0.0	-0.5	0.0	-0.5	-0.5
4	BN	-0.6	-2.4	-5.9	-6.9	-10.2	-6.5	-0.1	-0.3	-0.7	-0.6	-1.0	-0.5
4	D	0.8	-3.0	-9.1	-7.3	-11.1	-4.4	0.1	-0.1	-0.1	-0.5	-0.1	-0.5
4	C	2.7	1.7	-2.5	0.4	-7.7	0.4	0.0	-0.1	-0.4	0.2	-0.6	0.1
4	All	0.4	-0.9	-3.8	-3.0	-6.1	-2.1	0.1	-0.1	-0.3	0.0	-0.3	-0.1
5	W	-1.0	-3.1	-4.2	-9.0	-7.5	0.5	-0.2	-0.3	-0.7	-1.0	-1.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.3	-2.2	-4.3	-10.8	-12.1	-2.7	0.0	-0.2	-0.7	-1.4	-1.1	-0.1
5	BN	-3.4	-11.0	-19.5	-24.1	-28.1	-14.2	-0.2	-0.2	-0.4	-0.1	-0.8	-0.4
5	D	0.3	2.2	-7.3	-2.6	-17.0	-14.7	-0.2	0.0	-0.4	-0.1	-0.5	-0.4
5	C	8.1	5.0	-3.6	8.1	-13.1	-5.8	1.2	1.0	0.8	1.2	0.2	0.0
5	All	0.4	-1.9	-7.5	-7.6	-15.1	-6.9	0.2	0.2	-0.2	0.1	-0.5	-0.1
6	W	-0.7	-3.4	-10.2	-8.1	-18.1	0.4	-0.2	-0.7	-1.2	-1.2	-1.2	0.0
6	AN	0.3	-4.7	-15.0	-8.9	-23.9	3.6	-0.1	-1.1	-1.5	-1.5	-2.1	0.3
6	BN	-0.4	-5.7	-5.3	-4.7	-2.7	1.8	-0.2	-0.5	-0.7	-0.5	-0.8	0.1
6	D	2.3	0.0	0.9	6.1	2.0	-2.7	0.5	0.9	0.2	1.1	0.3	-0.2
6	C	0.6	2.3	3.3	3.5	2.3	-0.4	1.8	1.6	1.0	1.5	0.6	0.1
6	All	0.4	-2.2	-5.1	-2.4	-8.1	0.2	0.3	0.1	-0.4	0.0	-0.5	0.0
7	W	-0.1	-0.1	-0.5	-0.3	-1.3	0.0	-0.1	-0.4	-0.7	-0.4	-1.1	0.0
7	AN	4.0	6.7	5.4	8.1	6.2	0.8	0.3	-0.4	-0.2	0.5	0.0	0.4
7	BN	-0.9	-0.9	-1.9	1.1	1.1	0.8	0.3	0.3	0.4	0.7	2.0	0.5
7	D	0.1	-0.1	0.1	0.1	0.1	0.0	0.5	1.3	2.0	0.3	2.5	-0.4
7	C	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.3	2.4	2.5	2.2	0.1
7	All	0.3	0.6	0.2	1.1	0.6	0.2	0.5	0.6	0.7	0.5	0.9	0.1
8	W	1.5	2.9	4.4	4.1	4.6	1.1	-0.1	0.2	0.4	0.5	0.1	-0.1
8	AN	0.3	0.3	1.9	0.3	1.9	0.3	-0.1	0.1	-0.3	0.4	-1.0	0.5
8	BN	-0.2	-0.4	-0.8	-0.2	-0.6	0.2	-0.2	-0.7	-0.6	-0.2	-0.3	0.1
8	D	-1.5	-1.6	0.0	0.0	0.1	-0.3	-0.6	-0.8	-0.2	-0.4	1.2	-0.6
8	C	0.0	0.0	0.8	0.0	0.8	0.0	-1.2	-1.2	0.6	0.2	1.3	0.0
8	All	0.1	0.5	1.6	1.3	1.7	0.3	-0.4	-0.4	0.0	0.1	0.3	-0.1
9	W	2.2	4.6	12.0	15.9	19.3	-0.3	-0.3	-0.2	-0.3	-0.1	0.0	-0.1
9	AN	-3.9	-6.9	-6.9	1.1	21.9	2.5	0.0	0.1	0.0	0.2	0.3	0.6
9	BN	-2.3	-1.9	2.8	1.7	1.1	8.7	-0.3	-0.4	-0.4	-0.2	-0.3	0.0
9	D	-7.6	-11.7	-10.5	-8.8	-6.5	-1.7	-0.6	-0.6	-0.5	-0.5	-0.3	-0.3

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-6.5	-6.0	-5.0	-11.3	-3.5	-1.7	-1.0	-0.8	-0.9	-1.1	-0.4	-0.1
9	All	-3.0	-3.4	0.2	1.5	6.8	1.1	-0.6	-0.5	-0.6	-0.6	-0.4	-0.1
10	W	-0.2	-0.6	-0.2	-0.6	0.2	0.3	-0.2	-0.2	0.0	0.0	0.3	-0.2
10	AN	-5.6	-3.8	-8.3	-7.0	-7.8	-0.3	0.0	-0.4	-0.4	-0.2	-0.2	0.1
10	BN	-2.7	-2.3	-1.7	-2.1	2.7	0.2	-0.9	-0.9	-0.5	-0.9	-0.1	0.1
10	D	-0.7	-0.1	1.5	2.5	3.4	0.4	-0.4	-0.6	-0.5	-0.6	-0.4	-0.2
10	C	-6.9	-5.8	-3.6	-8.3	-1.6	0.0	-0.9	-0.6	-0.2	-0.5	0.0	-0.1
10	All	-2.7	-2.3	-1.9	-2.9	-0.6	0.2	-0.4	-0.4	-0.2	-0.3	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-204. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Sacramento River at Knights Landing, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	-0.2	-0.2	-0.2	-0.2	0.0	0.0	-1.0	-1.0	-1.0	-1.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0
5	W	-0.8	-0.9	-1.4	-1.6	-1.9	0.0	-0.2	-0.4	-0.3	0.0	-1.3	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	-0.3	-0.5	-0.5	-0.5	0.0	0.0	-0.5	-0.5	-0.5	-0.5	0.0
5	BN	-0.8	-0.6	-0.6	-0.6	-0.9	-0.4	-0.4	1.1	0.6	0.6	-0.4	-0.1
5	D	-1.8	-0.3	-2.8	-1.8	-2.6	-1.5	-0.1	-0.2	-0.4	-0.5	-0.3	-0.3
5	C	11.3	10.7	6.5	10.7	0.2	-0.6	0.4	0.3	0.2	0.3	0.0	0.0
5	All	1.1	1.3	-0.2	0.7	-1.4	-0.5	0.3	0.1	0.1	0.2	-0.1	0.0
6	W	-2.8	-5.3	-7.0	-6.8	-8.7	-0.1	0.1	0.2	0.3	0.1	0.1	0.0
6	AN	0.0	-11.7	-7.2	-11.7	-16.9	4.7	-0.2	-0.4	-0.3	-0.7	-1.4	0.5
6	BN	-1.0	0.0	-3.5	-1.2	-4.5	-0.6	0.0	0.2	-0.2	-0.2	-0.1	0.3
6	D	5.0	9.1	2.6	14.4	2.3	-1.2	0.0	-0.2	-0.5	0.0	-0.5	-0.1
6	C	23.3	22.3	15.0	19.4	7.9	2.1	0.9	0.7	0.5	0.7	0.2	0.1
6	All	4.0	2.7	-0.6	2.7	-3.8	0.5	0.5	0.4	0.3	0.4	0.1	0.1
7	W	-2.3	-8.5	-11.3	-7.4	-12.8	-0.6	-0.4	-0.4	-0.3	-0.4	-0.4	0.0
7	AN	5.6	-0.8	0.8	0.8	-2.4	5.1	-0.2	-0.2	0.0	0.0	0.2	0.2
7	BN	3.8	3.2	7.6	6.3	22.0	4.6	0.0	0.4	0.7	-0.1	0.7	0.1
7	D	8.1	24.2	39.3	8.5	48.1	-7.8	0.3	1.1	1.0	0.4	1.1	0.1
7	C	14.9	19.8	26.0	22.8	26.4	2.8	1.8	1.9	1.6	1.9	1.4	0.0
7	All	4.9	7.1	11.3	4.5	15.2	-0.2	0.6	0.9	0.8	0.7	0.8	0.1
8	W	-8.3	-6.1	-6.3	-4.6	-8.6	-1.0	-0.9	-0.8	-0.7	-0.8	-0.6	-0.1
8	AN	-0.5	5.1	0.3	5.1	-8.1	14.0	0.1	0.1	0.2	0.5	0.2	0.1
8	BN	-2.7	-6.6	-4.6	-1.9	-1.3	3.6	-0.2	0.0	-0.1	0.0	0.3	0.1
8	D	-5.4	-4.1	6.9	3.1	24.9	-5.6	0.0	0.3	0.2	0.1	0.7	-0.3
8	C	-16.5	-21.8	6.9	5.4	21.6	-0.4	0.2	0.7	0.7	0.6	0.8	0.0
8	All	-7.4	-6.8	-0.4	-0.2	5.6	0.3	-0.1	0.1	0.3	0.3	0.5	0.0
9	W	-1.8	-1.8	-1.8	-1.8	-1.8	-0.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.2
9	AN	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	-2.8	-3.0	-2.8	-1.7	-3.2	0.4	-0.2	-0.6	-0.2	-0.3	-0.6	0.2
9	D	-3.3	-3.0	-2.4	-3.2	-2.7	-1.5	-0.1	-0.1	0.1	-0.1	-0.3	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-11.0	-9.6	-12.3	-11.5	-6.0	1.9	-0.3	-0.3	-0.3	0.0	-0.2	-0.1
9	All	-3.6	-3.3	-3.6	-3.4	-2.7	0.0	-0.2	-0.2	-0.1	-0.1	-0.2	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-205. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Sacramento River at Bend Bridge, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.4	-3.4	-3.4	-3.4	-3.4	0.2	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
8	All	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-7.7	-8.8	-8.8	-8.8	-8.1	0.2	-0.9	-1.1	-1.1	-1.1	-0.8	0.0
9	All	-1.3	-1.4	-1.4	-1.4	-1.3	0.0	-0.9	-1.1	-1.1	-1.1	-0.8	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	-0.5	-0.5	-0.5	-0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.3
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-206. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Sacramento River at Red Bluff Diversion Dam, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-4.6	-4.6	-4.6	-4.6	-4.6	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
8	All	-0.8	-0.8	-0.8	-0.8	-0.8	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-7.3	-8.3	-9.2	-9.2	-7.3	0.0	-0.9	-1.4	-1.4	-1.4	-1.0	0.1
9	All	-1.2	-1.4	-1.5	-1.5	-1.2	0.0	-0.9	-1.4	-1.4	-1.4	-1.0	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.3	-0.3	-0.5	-0.5	-0.5	0.3	-0.2	-0.5	-0.5	-0.5	-0.5	-0.2
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	-0.4	-0.4	-0.4	-0.4	0.0	-0.4	0.0	0.0	0.0	0.0	0.5	0.0
10	All	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.1	-0.3	-0.3	-0.3	0.3	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-207. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Sacramento River at Hamilton City, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-1.0	-1.0	-1.0	-1.0	-1.0
4	D	0.3	0.2	-0.9	-1.4	-1.2	-0.5	-0.2	-0.3	-0.6	-1.2	-1.2	-0.6
4	C	1.7	1.3	-0.6	1.5	-0.8	0.8	0.0	0.0	-0.6	0.1	-0.6	-0.2
4	All	0.3	0.2	-0.3	-0.1	-0.4	0.0	-0.2	-0.2	-0.6	-0.3	-1.0	-0.5
5	W	-0.8	-0.6	-0.6	-1.3	-2.2	0.0	-0.5	-0.6	-0.9	-0.8	-1.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	-1.3	-1.1	-2.2	-1.6	-1.6	0.1	0.0	0.1	-0.4	0.1	0.1
5	BN	-1.3	-0.9	-0.2	-0.2	-0.8	-0.4	-0.9	0.6	0.1	0.3	-0.2	0.5
5	D	-2.2	-2.2	-2.8	-2.8	-2.3	-0.9	-0.3	-0.5	-0.6	-0.6	-0.6	-0.1
5	C	13.7	13.3	9.3	10.5	4.2	-1.0	0.4	0.5	0.5	0.3	0.4	-0.3
5	All	1.3	1.1	0.5	0.4	-0.9	-0.6	-0.1	0.0	-0.1	-0.1	-0.3	0.1
6	W	-2.4	-4.3	-5.0	-5.3	-6.1	-0.2	0.1	0.1	0.2	0.1	0.1	0.0
6	AN	-0.6	-6.4	-0.8	-6.1	-7.5	10.3	-0.1	-0.4	0.4	-0.1	-0.4	0.5
6	BN	0.0	0.2	-1.0	-0.4	2.7	1.6	-0.1	-0.2	-0.1	0.0	0.5	0.4
6	D	5.0	6.4	2.9	9.7	3.8	0.3	0.2	0.0	-0.2	-0.1	0.2	-0.2
6	C	35.2	33.1	31.0	27.7	28.1	1.5	0.9	0.9	0.8	0.8	0.7	0.0
6	All	6.3	5.0	4.1	4.5	3.2	1.8	0.5	0.5	0.5	0.4	0.4	0.1
7	W	-3.1	-4.1	-4.0	-3.4	-3.4	-0.1	-0.3	-0.4	-0.2	-0.3	-0.3	0.0
7	AN	1.6	-0.5	3.8	2.4	5.9	3.8	-0.2	-0.1	-0.1	-0.1	0.1	0.0
7	BN	0.0	2.1	2.7	0.0	13.1	0.2	0.0	0.5	0.4	0.0	1.2	0.0
7	D	3.7	15.7	24.9	4.5	36.7	1.5	0.9	0.2	0.3	-0.2	0.4	-0.2
7	C	46.0	54.4	61.3	51.6	63.1	2.2	1.3	1.4	1.2	1.2	1.4	-0.1
7	All	7.6	12.3	15.7	8.7	21.3	1.1	0.8	0.6	0.6	0.7	0.6	-0.1
8	W	-6.0	-4.7	-4.6	-4.5	-5.3	-0.5	-1.3	-1.1	-1.0	-1.1	-1.1	-0.2
8	AN	1.9	5.9	2.2	7.5	-0.8	7.0	-0.1	-0.2	0.0	0.1	0.0	-0.1
8	BN	-0.2	-0.4	-0.4	0.0	0.6	0.2	-0.2	0.3	-0.1	0.2	0.1	0.1
8	D	0.3	0.4	1.5	-0.1	11.1	-0.7	-0.1	-0.2	0.3	-0.3	0.3	-0.5
8	C	-3.8	-2.4	11.3	3.2	27.4	-0.8	-1.3	-1.3	-1.1	-1.0	-1.0	0.3
8	All	-2.2	-1.0	1.0	0.0	5.9	0.4	-0.9	-1.0	-0.7	-0.7	-0.7	-0.1
9	W	-1.6	-1.6	-1.6	-1.6	-1.6	0.1	-2.3	-2.3	-2.3	-2.3	-2.3	-0.5
9	AN	0.0	0.0	0.0	0.0	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.3
9	BN	-1.5	-1.5	-0.9	-1.3	-1.9	1.7	-0.4	-0.5	-0.7	-0.8	-0.5	-0.1
9	D	-6.4	-6.5	-6.2	-6.4	-6.2	-2.7	-0.4	-0.1	-0.1	-0.3	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-19.6	-19.8	-23.5	-23.5	-10.8	-2.9	-0.2	-0.4	-0.9	-0.4	-0.2	0.2
9	All	-5.4	-5.4	-5.9	-6.0	-3.9	-0.6	-0.3	-0.4	-0.7	-0.6	-0.2	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	-1.6	-1.1	-0.8	0.0	0.0	-0.2	-1.2	-1.2	-0.2	0.3
10	BN	-0.2	-0.2	-0.2	-0.2	0.0	0.8	0.0	0.0	0.0	0.0	1.0	0.4
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	-1.6	-1.6	-1.2	-1.6	0.6	0.2	-1.3	-1.3	-0.8	-1.3	0.3	-0.3
10	All	-0.6	-0.6	-0.8	-0.8	-0.3	0.2	0.5	0.3	-0.2	-0.7	0.7	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-208. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Sacramento River at Knights Landing, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	-0.1	-0.1	-0.4	-0.4	-0.6	-0.1	0.1	0.1	0.3	0.3	-0.4	0.1
4	AN	0.0	0.0	-0.8	-0.6	-1.1	-0.6	0.0	0.0	-0.5	0.0	-0.5	-0.5
4	BN	-0.6	-2.4	-5.9	-6.9	-10.2	-6.5	-0.1	-0.3	-0.7	-0.6	-1.0	-0.5
4	D	0.8	-3.0	-9.1	-7.3	-11.1	-4.4	0.1	-0.1	-0.1	-0.5	-0.1	-0.5
4	C	2.7	1.7	-2.5	0.4	-7.7	0.4	0.0	-0.1	-0.4	0.2	-0.6	0.1
4	All	0.4	-0.9	-3.8	-3.0	-6.1	-2.1	0.1	-0.1	-0.3	0.0	-0.3	-0.1
5	W	-1.0	-3.1	-4.2	-9.0	-7.5	0.5	-0.2	-0.3	-0.7	-1.0	-1.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.3	-2.2	-4.3	-10.8	-12.1	-2.7	0.0	-0.2	-0.7	-1.4	-1.1	-0.1
5	BN	-3.4	-11.0	-19.5	-24.1	-28.1	-14.2	-0.2	-0.2	-0.4	-0.1	-0.8	-0.4
5	D	0.3	2.2	-7.3	-2.6	-17.0	-14.7	-0.2	0.0	-0.4	-0.1	-0.5	-0.4
5	C	8.1	5.0	-3.6	8.1	-13.1	-5.8	1.2	1.0	0.8	1.2	0.2	0.0
5	All	0.4	-1.9	-7.5	-7.6	-15.1	-6.9	0.2	0.2	-0.2	0.1	-0.5	-0.1
6	W	-0.7	-3.4	-10.2	-8.1	-18.1	0.4	-0.2	-0.7	-1.2	-1.2	-1.2	0.0
6	AN	0.3	-4.7	-15.0	-8.9	-23.9	3.6	-0.1	-1.1	-1.5	-1.5	-2.1	0.3
6	BN	-0.4	-5.7	-5.3	-4.7	-2.7	1.8	-0.2	-0.5	-0.7	-0.5	-0.8	0.1
6	D	2.3	0.0	0.9	6.1	2.0	-2.7	0.5	0.9	0.2	1.1	0.3	-0.2
6	C	0.6	2.3	3.3	3.5	2.3	-0.4	1.8	1.6	1.0	1.5	0.6	0.1
6	All	0.4	-2.2	-5.1	-2.4	-8.1	0.2	0.3	0.1	-0.4	0.0	-0.5	0.0
7	W	-0.1	-0.1	-0.5	-0.3	-1.3	0.0	-0.1	-0.4	-0.7	-0.4	-1.1	0.0
7	AN	4.0	6.7	5.4	8.1	6.2	0.8	0.3	-0.4	-0.2	0.5	0.0	0.4
7	BN	-0.9	-0.9	-1.9	1.1	1.1	0.8	0.3	0.3	0.4	0.7	2.0	0.5
7	D	0.1	-0.1	0.1	0.1	0.1	0.0	0.5	1.3	2.0	0.3	2.5	-0.4
7	C	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.3	2.4	2.5	2.2	0.1
7	All	0.3	0.6	0.2	1.1	0.6	0.2	0.5	0.6	0.7	0.5	0.9	0.1
8	W	1.5	2.9	4.4	4.1	4.6	1.1	-0.1	0.2	0.4	0.5	0.1	-0.1
8	AN	0.3	0.3	1.9	0.3	1.9	0.3	-0.1	0.1	-0.3	0.4	-1.0	0.5
8	BN	-0.2	-0.4	-0.8	-0.2	-0.6	0.2	-0.2	-0.7	-0.6	-0.2	-0.3	0.1
8	D	-1.5	-1.6	0.0	0.0	0.1	-0.3	-0.6	-0.8	-0.2	-0.4	1.2	-0.6
8	C	0.0	0.0	0.8	0.0	0.8	0.0	-1.2	-1.2	0.6	0.2	1.3	0.0
8	All	0.1	0.5	1.6	1.3	1.7	0.3	-0.4	-0.4	0.0	0.1	0.3	-0.1
9	W	2.2	4.6	12.0	15.9	19.3	-0.3	-0.3	-0.2	-0.3	-0.1	0.0	-0.1
9	AN	-3.9	-6.9	-6.9	1.1	21.9	2.5	0.0	0.1	0.0	0.2	0.3	0.6
9	BN	-2.3	-1.9	2.8	1.7	1.1	8.7	-0.3	-0.4	-0.4	-0.2	-0.3	0.0
9	D	-7.6	-11.7	-10.5	-8.8	-6.5	-1.7	-0.6	-0.6	-0.5	-0.5	-0.3	-0.3

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-6.5	-6.0	-5.0	-11.3	-3.5	-1.7	-1.0	-0.8	-0.9	-1.1	-0.4	-0.1
9	All	-3.0	-3.4	0.2	1.5	6.8	1.1	-0.6	-0.5	-0.6	-0.6	-0.4	-0.1
10	W	-0.2	-0.6	-0.2	-0.6	0.2	0.3	-0.2	-0.2	0.0	0.0	0.3	-0.2
10	AN	-5.6	-3.8	-8.3	-7.0	-7.8	-0.3	0.0	-0.4	-0.4	-0.2	-0.2	0.1
10	BN	-2.7	-2.3	-1.7	-2.1	2.7	0.2	-0.9	-0.9	-0.5	-0.9	-0.1	0.1
10	D	-0.7	-0.1	1.5	2.5	3.4	0.4	-0.4	-0.6	-0.5	-0.6	-0.4	-0.2
10	C	-6.9	-5.8	-3.6	-8.3	-1.6	0.0	-0.9	-0.6	-0.2	-0.5	0.0	-0.1
10	All	-2.7	-2.3	-1.9	-2.9	-0.6	0.2	-0.4	-0.4	-0.2	-0.3	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-209. Summary of Water Temperature Index Value Analysis for the Sacramento River, Showing the Percent of Month-Water Year Type Combinations with Favorable and Unfavorable Results

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result					VA	Percent of Month-Water Year Type Combinations with Favorable Result					VA
				Mean Daily	7DADM [a]	35	45	55	55 w/WSA	65		35	45	55	55 w/WSA	65	
Winter-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Apr-Oct	Keswick	–	55.4	0.0	0.0	0.0	0.0	2.9	0.0	11.4	11.4	5.7	17.1	11.4	0.0
			Clear Creek	–	55.4	0.0	0.0	2.9	0.0	5.7	0.0	14.3	5.7	8.6	17.1	17.1	0.0
			Balls Ferry	–	55.4	2.9	5.7	8.6	2.9	14.3	2.9	14.3	8.6	2.9	14.3	2.9	0.0
			Bend Bridge	–	55.4	2.9	5.7	2.9	5.7	14.3	0.0	0.0	5.7	0.0	8.6	11.4	0.0
			Red Bluff Diversion Dam	–	55.4	0.0	2.9	5.7	5.7	17.1	0.0	0.0	0.0	2.9	5.7	14.3	5.7
		May-Oct	Keswick	53.5	–	0.0	0.0	3.3	0.0	6.7	0.0	16.7	10.0	6.7	20.0	13.3	0.0
			Clear Creek	53.5	–	0.0	3.3	6.7	0.0	3.3	0.0	16.7	6.7	6.7	16.7	6.7	0.0
			Keswick	56	–	0.0	0.0	0.0	0.0	0.0	0.0	13.3	10.0	10.0	16.7	3.3	0.0
			Clear Creek	56	–	0.0	0.0	0.0	0.0	6.7	0.0	16.7	13.3	10.0	20.0	10.0	0.0
	Fry and Juvenile Rearing and Emigration	Jul-Mar	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	6.7	8.9	11.1	11.1	6.7	0.0
			Clear Creek	–	61	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	13.3	13.3	4.4	0.0
			Balls Ferry	–	61	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.7	13.3	13.3	2.2	0.0
			Bend Bridge	–	61	2.2	2.2	2.2	2.2	6.7	0.0	8.9	6.7	6.7	11.1	4.4	0.0
			Red Bluff Diversion Dam	–	61	2.2	2.2	2.2	2.2	8.9	2.2	11.1	8.9	13.3	15.6	6.7	0.0
			Wilkins Slough	–	64	0.0	0.0	0.0	0.0	4.4	0.0	2.2	2.2	2.2	2.2	0.0	0.0
	Adult Immigration	Dec-Aug	Keswick	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Jan-Aug	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0
			Balls Ferry	–	61	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	0.0	0.0
			Red Bluff Diversion Dam	–	61	5.0	5.0	5.0	5.0	10.0	0.0	5.0	5.0	2.5	5.0	2.5	0.0
Spring-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Aug-Dec	Keswick	–	55.4	0.0	0.0	4.0	0.0	0.0	0.0	20.0	16.0	8.0	28.0	24.0	0.0
			Clear Creek	–	55.4	0.0	0.0	4.0	0.0	0.0	0.0	20.0	8.0	12.0	32.0	28.0	0.0
			Balls Ferry	–	55.4	0.0	0.0	0.0	0.0	4.0	0.0	20.0	12.0	4.0	28.0	8.0	0.0
			Bend Bridge	–	55.4	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	20.0	0.0	0.0
			Red Bluff Diversion Dam	–	55.4	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Year-round	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.7	8.3	8.3	5.0	0.0
			Clear Creek	–	61	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	10.0	10.0	3.3	0.0
			Balls Ferry	–	61	0.0	1.7	0.0	0.0	0.0	0.0	5.0	5.0	10.0	10.0	1.7	0.0
			Bend Bridge	–	61	3.3	3.3	3.3	3.3	6.7	0.0	6.7	5.0	5.0	8.3	3.3	0.0
			Red Bluff Diversion Dam	–	61	3.3	3.3	3.3	3.3	8.3	1.7	8.3	6.7	10.0	11.7	5.0	0.0
			Hamilton City	–	64	0.0	0.0	0.0	0.0	3.3	0.0	1.7	1.7	6.7	8.3	13.3	3.3
	Adult Immigration	Mar-Sep	Keswick	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	68	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	0.0
			Red Bluff	–	68	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	0.0
	Adult Holding	Apr-Sep	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.7	6.7	6.7	6.7	0.0
			Balls Ferry	–	61	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3	6.7	6.7	0.0	0.0

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result					VA	Percent of Month-Water Year Type Combinations with Favorable Result					VA
				Mean Daily	7DADM [a]	35	45	55	55 w/WSA	65		35	45	55	55 w/WSA	65	
			Red Bluff Diversion Dam	–	61	6.7	6.7	6.7	6.7	16.7	3.3	13.3	10.0	6.7	13.3	6.7	0.0
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Sep-Jan	Keswick	–	55.4	0.0	0.0	4.0	0.0	0.0	0.0	16.0	12.0	4.0	24.0	20.0	0.0
			Clear Creek	–	55.4	0.0	0.0	4.0	0.0	0.0	0.0	16.0	4.0	8.0	28.0	24.0	0.0
			Balls Ferry	–	55.4	0.0	0.0	0.0	0.0	4.0	0.0	16.0	8.0	4.0	28.0	8.0	0.0
			Bend Bridge	–	55.4	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	20.0	0.0	0.0
			Red Bluff Diversion Dam	–	55.4	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Dec-Jun	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Clear Creek	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Balls Ferry	–	61	0.0	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	61	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	–	61	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Hamilton City	–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	11.4	22.9	5.7
	Adult Immigration	Jul-Dec	Keswick	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	68	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	0.0
			Red Bluff Diversion Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	0.0
	Adult Holding	Jul-Aug	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	10.0	10.0	10.0	0.0
			Balls Ferry	–	61	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	10.0	10.0	0.0	0.0
			Red Bluff Diversion Dam	–	61	10.0	10.0	10.0	10.0	30.0	0.0	20.0	10.0	20.0	20.0	10.0	0.0
Late Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Dec-Jun	Keswick	–	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Clear Creek	–	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
			Balls Ferry	–	55.4	2.9	2.9	2.9	0.0	5.7	2.9	0.0	0.0	0.0	0.0	5.7	0.0
			Bend Bridge	–	55.4	2.9	5.7	2.9	5.7	8.6	0.0	0.0	0.0	0.0	0.0	11.4	0.0
			Red Bluff Diversion Dam	–	55.4	0.0	2.9	5.7	5.7	8.6	0.0	0.0	0.0	2.9	5.7	14.3	5.7
	Fry and Juvenile Rearing and Emigration	Mar-Jan	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	5.5	7.3	9.1	9.1	5.5	0.0
			Clear Creek	–	61	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	10.9	10.9	3.6	0.0
			Balls Ferry	–	61	0.0	1.8	0.0	0.0	0.0	0.0	5.5	5.5	10.9	10.9	1.8	0.0
			Bend Bridge	–	61	3.6	3.6	3.6	3.6	7.3	0.0	7.3	5.5	5.5	9.1	3.6	0.0
			Red Bluff Diversion Dam	–	64	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	5.5	5.5	3.6	0.0
			Hamilton City	–	64	0.0	0.0	0.0	0.0	3.6	0.0	1.8	1.8	7.3	9.1	14.5	3.6
	Adult Immigration	Nov-Apr	Keswick	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steelhead	Spawning, Egg Incubation, and Alevins	Nov-Apr	Keswick	53	–	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
				56	–	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3	6.7	0.0
			Clear Creek	53	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
				56	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.7	10.0	0.0
			Balls Ferry	53	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	13.3	0.0
				56	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.7	6.7	0.0
			Bend Bridge	53	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	6.7	20.0	0.0

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result					VA	Percent of Month-Water Year Type Combinations with Favorable Result					VA
				Mean Daily	7DADM [a]	35	45	55	55 w/WSA	65		35	45	55	55 w/WSA	65	
				56	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0
			Red Bluff Diversion Dam	53	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	20.0	0.0
				56	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
	Kelt Emigration	Feb-May	Keswick	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Juvenile Rearing	Year-round	Keswick	63	–	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.3	3.3	1.7	0.0
				–	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Clear Creek	63	–	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	5.0	5.0	5.0	0.0
				–	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Balls Ferry	63	–	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	5.0	5.0	3.3	0.0
				–	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	63	–	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.3	5.0	3.3	3.3	0.0
				–	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	63	–	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.3	5.0	3.3	1.7	0.0
				–	69	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0
	Smoltification	Jan-Mar	Keswick	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Clear Creek	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Balls Ferry	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Smolt Emigration (excludes migrant parr)	Nov-Jun	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Clear Creek	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Balls Ferry	–	61	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	61	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	–	61	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Immigration	Aug-Mar	Keswick	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Bend Bridge	–	68	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result					VA	Percent of Month-Water Year Type Combinations with Favorable Result					VA
				Mean Daily	7DADM [a]	35	45	55	55 w/WSA	65		35	45	55	55 w/WSA	65	
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Sep-Nov	Keswick	–	61	0.0	0.0	0.0	0.0	0.0	0.0	15.0	20.0	25.0	25.0	15.0	0.0
			Balls Ferry	–	61	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	30.0	30.0	5.0	0.0
			Red Bluff Diversion Dam	–	61	0.0	0.0	0.0	0.0	5.0	5.0	25.0	20.0	30.0	35.0	15.0	0.0
Green Sturgeon	Spawning and Embryo Incubation	Mar-Jul	Bend Bridge	63	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	63	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Hamilton City	63	–	16.0	16.0	20.0	16.0	20.0	0.0	0.0	0.0	0.0	4.0	12.0	4.0
	Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding)	Aug-Feb	Bend Bridge	66	–	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	0.0
				73	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Red Bluff Diversion Dam	66	–	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	0.0
				73	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Hamilton City	66	–	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0	2.9	0.0
				73	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Year-round	Knights Landing	66	–	1.7	0.0	0.0	3.3	0.0	0.0	5.0	6.7	8.3	15.0	13.3	1.7
				73	–	3.3	5.0	6.7	5.0	8.3	0.0	1.7	1.7	1.7	1.7	3.3	0.0
	Larval to Juvenile Rearing and Emigration	Year-round	Bend Bridge	66	–	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0
			Red Bluff Diversion Dam	66	–	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0
			Hamilton City	66	–	3.3	5.0	3.3	3.3	5.0	0.0	1.7	0.0	1.7	0.0	1.7	0.0
			Knights Landing	66	–	1.7	0.0	0.0	3.3	0.0	0.0	5.0	6.7	8.3	15.0	13.3	1.7

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

For unfavorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% higher than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F higher than the exceedance under the baseline.

For favorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% lower than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F lower than the exceedance under the baseline.

°F = degrees Fahrenheit

[a] 7DADM = Seven-day average daily maximum

H1b.6.2.2 American River

Winter-Run Chinook Salmon

Table H1b-210. Summary of Potential Effects of Flow Scenarios on Winter-Run Chinook Salmon, American River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Non-Natal Rearing						
a Favorable	2.0%	2.0%	4.0%	2.0%	4.0%	0.0%
b Unfavorable	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-211. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Non-Natal Rearing, American River at Watt Avenue, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.3	1.4	0.6	1.6	0.2	0.1	0.5	1.2	1.2	2.0	0.1
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	3.0	1.4	4.2	0.3
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	4.3	1.6	4.6	0.3
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.0	3.6	2.0	3.6	1.1
7	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-0.8	0.2	-1.1	0.8	0.0
7	All	0.0	0.1	0.4	0.2	0.5	0.1	0.1	0.8	2.4	1.1	2.9	0.4
8	W	0.0	-0.3	-1.1	0.0	-3.0	-0.9	0.3	0.6	1.2	1.1	0.8	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.5	0.9	1.9	0.3
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.5	1.6	2.9	0.3
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	1.7	1.1	2.0	0.8
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.8	0.3	0.8	0.0
8	All	0.0	-0.1	-0.3	0.0	-0.9	-0.3	0.3	1.0	1.5	1.0	1.6	0.3
9	W	0.0	-0.2	0.0	0.1	0.1	-0.2	-0.1	0.0	0.4	-0.1	0.5	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.5	0.9	2.0	0.1
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.1	0.6	1.6	0.1
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.4	1.0	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.4	0.6	0.2
9	All	0.0	-0.1	0.0	0.0	0.0	-0.1	0.2	0.3	0.8	0.3	1.0	0.1
10	W	0.5	4.3	3.7	4.0	4.0	0.3	0.2	0.3	0.4	0.2	0.6	0.0
10	AN	0.3	0.8	4.3	9.1	16.1	0.0	-0.1	0.1	0.5	0.3	0.4	0.0
10	BN	0.4	7.5	13.1	7.3	12.9	0.5	0.1	0.1	0.4	0.1	0.5	0.1
10	D	-0.1	2.9	2.6	1.9	4.8	-0.3	0.0	0.0	0.1	0.0	0.4	0.0
10	C	0.8	3.8	9.9	0.2	14.3	-1.2	0.2	0.1	0.0	0.2	0.1	0.1
10	All	0.4	4.1	6.3	4.1	9.0	-0.1	0.1	0.1	0.3	0.1	0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.2	1.3	0.8	0.6	1.6	-0.2	0.2	0.0	0.2	0.2	0.3	0.0
11	AN	1.9	2.8	2.5	4.2	2.5	0.0	0.0	-0.3	0.0	-0.2	-0.1	0.2
11	BN	-0.2	1.7	1.3	0.9	1.3	-1.9	0.0	0.1	0.3	-0.1	0.2	0.5
11	D	0.3	1.1	0.5	1.1	2.6	-0.9	0.0	0.0	-0.1	-0.1	0.1	0.3
11	C	2.7	2.9	3.1	2.9	2.7	-0.2	0.1	0.0	0.0	0.0	0.1	0.1
11	All	0.8	1.8	1.4	1.6	2.0	-0.6	0.1	0.0	0.1	0.0	0.1	0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	D	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	C	1.2	1.2	1.0	1.2	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
3	All	0.2	0.2	0.2	0.2	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	-0.6	-0.6	-0.6	-0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.3
4	BN	-2.6	-4.8	-6.3	-5.0	-9.1	-0.2	-1.1	-1.4	-1.7	-1.6	-1.9	-0.1
4	D	-18.2	-24.2	-28.0	-21.1	-33.5	-6.5	-0.8	-1.0	-1.2	-1.0	-1.3	-0.4
4	C	-1.7	-3.8	-11.5	1.7	-20.8	-9.4	-0.2	-0.5	-0.4	-0.3	-0.4	-0.3
4	All	-4.8	-7.0	-9.4	-5.4	-12.7	-3.0	-0.5	-0.7	-0.8	-0.6	-0.7	-0.3

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Fall-Run Chinook Salmon

Table H1b-212. Summary of Potential Effects of Flow Scenarios on Fall-Run Chinook Salmon, American River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
[b] Unfavorable	0.0%	5.0%	16.7%	8.3%	16.7%	0.0%
Adult Holding						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	3.1%	10.8%	6.2%	10.8%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	2.0%	4.0%	8.0%	4.0%	10.0%	0.0%
Unfavorable	2.0%	2.0%	4.0%	2.0%	6.0%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-213. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, American River at Hazel Avenue, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4	0.7	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.8	1.0	1.5	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.2	0.5	1.2	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.8	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.2	1.3	-0.1
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	0.4	1.0	0.0
11	W	-0.7	-0.2	-0.4	-1.0	-1.0	-0.4	0.0	0.1	0.3	0.1	0.4	0.0
11	AN	0.3	-0.6	0.3	-0.3	-0.3	0.0	0.2	0.0	0.2	0.3	0.3	0.1
11	BN	-0.6	0.0	0.0	0.0	-1.9	0.0	0.0	0.1	0.3	0.0	0.3	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.4	0.0
11	C	0.0	0.0	0.0	0.0	-0.6	0.0	0.2	0.2	0.3	0.1	0.6	0.1
11	All	-0.3	-0.1	-0.1	-0.3	-0.8	-0.1	0.1	0.1	0.3	0.1	0.4	0.0
12	W	-3.9	-1.4	-0.2	-1.9	0.9	2.3	0.0	-0.1	-0.1	-0.1	-0.1	0.0
12	AN	0.3	-2.7	1.1	-7.8	-6.2	1.6	0.0	0.0	0.0	0.1	0.0	0.0
12	BN	-3.6	-4.1	-4.3	-3.9	-6.1	-1.4	0.0	-0.1	0.1	0.0	0.0	0.0
12	D	1.2	-0.3	4.0	-3.1	2.8	0.1	0.0	-0.1	0.0	0.0	0.0	0.0
12	C	-0.2	0.0	1.6	-1.6	0.2	3.0	-0.2	-0.2	-0.1	-0.2	0.0	-0.1
12	All	-1.6	-1.6	0.4	-3.2	-1.0	1.2	0.0	-0.1	0.0	0.0	0.0	0.0
1	W	0.0	0.1	0.1	0.0	0.5	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.2	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1	D	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0
1	C	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	All	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	0.2	0.0	0.7	0.0	0.0	0.4	0.0	0.0	0.3	0.0	0.0	0.0
2	All	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-214. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, American River at Watt Avenue, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.3	0.6	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	1.2	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.0	0.4	1.0	0.1
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.6	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.2	1.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.3	0.8	0.0
11	W	-0.6	-0.4	-0.4	-1.2	-1.0	-0.8	0.0	0.1	0.2	0.1	0.3	0.0
11	AN	0.3	0.0	0.3	-0.3	0.3	0.3	0.1	0.0	0.1	0.2	0.3	0.1
11	BN	0.9	0.7	0.6	0.2	-0.4	-0.2	-0.1	0.1	0.3	0.1	0.2	0.0
11	D	0.2	0.5	1.5	0.3	0.5	0.2	0.0	0.1	0.0	0.0	0.3	0.0
11	C	0.0	0.0	0.0	0.0	-0.4	0.0	0.2	0.2	0.3	0.2	0.5	0.1
11	All	0.1	0.1	0.3	-0.3	-0.3	-0.2	0.0	0.1	0.2	0.1	0.3	0.0
12	W	-3.0	-2.3	0.3	-2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	1.3	-1.9	0.8	-3.8	-4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	-2.7	-3.8	-2.7	-3.2	-4.1	-0.5	0.0	0.0	0.1	0.0	0.0	0.0
12	D	1.2	0.0	3.5	-1.5	3.7	0.0	-0.1	-0.2	0.0	-0.1	-0.1	0.0
12	C	-3.6	-3.6	-2.6	-3.4	-3.4	1.4	-0.1	-0.1	0.0	-0.1	0.1	-0.1
12	All	-1.6	-2.2	0.1	-2.6	-0.6	0.9	0.0	-0.1	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	-0.3	-0.1
1	AN	0.0	0.5	0.3	0.5	-0.3	0.3	0.0	0.3	0.0	0.3	0.0	0.0
1	BN	0.0	0.2	0.4	0.0	1.8	0.2	0.0	0.0	0.0	0.0	0.1	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1	C	0.0	0.0	1.2	0.8	0.6	0.2	0.0	0.0	0.3	0.3	0.0	0.0
2	All	0.0	0.1	0.3	0.2	0.6	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1
2	W	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	AN	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	BN	0.0	1.2	0.2	0.6	-0.2	0.0	0.0	0.3	0.1	0.2	0.1	0.2
2	D	-0.3	0.3	-0.5	-1.9	-0.8	-0.2	0.0	0.0	0.1	0.2	0.1	0.0
2	C	-5.5	-3.3	-3.1	1.1	-13.2	-0.2	0.0	0.0	0.2	0.0	0.2	0.2
2	All	-1.0	-0.3	-0.6	-0.1	-2.4	-0.1	0.0	0.0	0.1	0.0	0.2	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-215. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, American River at Watt Avenue, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	-0.8	0.3	1.4	-0.1	3.0	-0.7	0.0	0.1	0.2	0.1	0.2	0.0
11	AN	0.0	-3.1	1.9	-0.8	-0.3	1.4	0.1	0.1	0.1	0.3	0.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	BN	-1.7	-3.7	1.1	-3.7	-2.2	-1.5	0.0	0.3	0.3	0.2	0.3	0.0
11	D	-0.5	-0.8	2.3	-1.2	3.3	-0.5	0.1	0.1	0.0	0.1	0.2	0.0
11	C	-2.1	-1.9	0.4	-2.3	1.5	0.4	0.3	0.3	0.3	0.2	0.5	0.0
11	All	-1.0	-1.4	1.5	-1.5	1.5	-0.3	0.1	0.2	0.2	0.2	0.3	0.0
12	W	-1.1	-1.2	-0.6	-0.9	0.2	0.4	0.1	-0.1	0.0	-0.1	-0.1	0.0
12	AN	0.3	0.0	1.1	0.0	0.0	1.9	0.1	0.1	0.1	0.0	0.0	0.1
12	BN	0.2	-1.1	1.4	-0.9	0.0	0.7	0.0	0.2	0.1	0.1	-0.1	0.0
12	D	0.3	-1.5	0.7	-0.4	0.6	-0.1	-0.2	-0.5	0.1	-0.1	0.0	0.1
12	C	-1.6	-1.8	1.0	-1.8	2.8	-0.2	-0.1	-0.3	-0.3	-0.2	-0.3	0.1
12	All	-0.5	-1.2	0.5	-0.8	0.7	0.4	0.0	-0.2	0.0	-0.1	-0.1	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-216. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, American River at Hazel Avenue, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.9	-0.9	-1.7	-1.7	-3.0	1.9	-0.4	-0.4	-0.5	-0.3	-0.6	-0.2
4	D	-5.3	-6.8	-8.0	-5.9	-9.1	-1.2	-0.3	-0.4	-0.6	-0.4	-0.7	-0.2
4	C	3.8	-1.3	-4.4	4.4	-4.8	-1.3	-0.6	-0.4	0.0	-0.6	-0.2	-0.3
4	All	-0.7	-1.9	-2.8	-0.9	-3.4	-0.1	-0.4	-0.3	-0.1	-0.4	0.0	-0.3
5	W	0.0	0.0	1.5	1.4	3.4	0.0	0.0	0.0	0.5	0.5	0.8	0.0
5	AN	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0
5	BN	7.0	12.2	14.2	12.4	11.1	3.6	0.9	1.3	1.7	1.5	1.6	0.1
5	D	10.4	14.2	16.1	8.8	8.1	8.5	-0.4	-0.3	-0.3	-0.2	-0.8	-0.3
5	C	-8.1	-17.9	-19.4	-2.4	-17.9	-3.2	-0.3	0.0	-0.2	0.5	0.3	0.2
5	All	2.3	2.5	3.5	4.3	2.7	2.0	-0.2	-0.1	-0.1	0.3	-0.2	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-217. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, American River at Watt Avenue, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	1.2	1.2	1.0	1.2	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
3	All	0.2	0.2	0.2	0.2	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	-0.6	-0.6	-0.6	-0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.3
4	BN	-2.6	-4.8	-6.3	-5.0	-9.1	-0.2	-1.1	-1.4	-1.7	-1.6	-1.9	-0.1
4	D	-18.2	-24.2	-28.0	-21.1	-33.5	-6.5	-0.8	-1.0	-1.2	-1.0	-1.3	-0.4
4	C	-1.7	-3.8	-11.5	1.7	-20.8	-9.4	-0.2	-0.5	-0.4	-0.3	-0.4	-0.3
4	All	-4.8	-7.0	-9.4	-5.4	-12.7	-3.0	-0.5	-0.7	-0.8	-0.6	-0.7	-0.3
5	W	0.3	2.2	3.2	3.0	3.9	0.0	-1.3	-1.0	-0.5	-0.4	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	1.9	3.0	11.0	4.3	11.0	-0.3	0.8	1.0	0.8	0.7	1.4	0.0
5	BN	0.0	1.1	2.2	0.7	-0.5	-4.7	0.3	0.4	0.4	0.6	0.0	0.5
5	D	-4.8	-3.7	-1.6	-7.3	-9.5	-1.6	-0.6	-1.0	-1.2	-0.6	-1.8	-0.7
5	C	-1.8	-6.3	-6.5	-1.2	-8.7	1.2	-1.7	-2.0	-2.3	-0.9	-1.6	-0.3
5	All	-1.1	-0.6	1.3	-0.3	-1.1	-1.1	-1.0	-1.3	-1.6	-0.7	-1.6	-0.3

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-218. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, American River at Hazel Avenue, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-0.1	0.3	4.5	0.1	1.8	0.5	0.0	0.5	1.0	0.0	1.5	0.2
7	AN	0.0	-0.3	16.9	-3.8	11.8	1.6	-0.5	-0.1	0.4	-0.8	0.3	0.0
7	BN	4.5	4.7	33.2	5.0	22.2	-4.1	0.0	-0.3	0.1	-0.5	-0.3	-0.5
7	D	-0.9	10.6	40.2	16.1	39.4	8.1	0.6	0.1	0.3	0.0	0.0	0.2
7	C	9.5	4.2	12.9	-4.2	14.5	1.2	-0.3	-0.2	-0.1	-0.3	0.2	-0.2
7	All	2.1	4.0	20.7	3.4	17.3	1.6	-0.1	-0.3	-0.4	-0.4	-0.3	-0.2
8	W	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.3	0.0	1.0	0.0
8	AN	0.3	0.0	2.2	-0.5	1.6	0.3	0.2	0.0	0.3	-0.5	0.3	0.2
8	BN	0.2	0.7	5.2	0.9	3.0	0.0	0.0	0.3	0.8	0.4	0.5	0.0
8	D	0.9	1.9	6.7	1.8	4.5	2.1	0.4	0.3	0.1	-0.1	0.1	0.4
8	C	-7.9	4.8	12.1	-2.4	4.8	-2.0	0.2	-0.1	0.0	0.1	0.3	0.0
8	All	-1.0	1.3	4.8	0.1	2.6	0.2	0.2	-0.1	-0.1	0.1	0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.8	-0.6	6.1	-0.6	3.3	0.8	-0.2	-1.0	-0.7	-1.0	-0.5	-0.4
9	BN	1.1	0.7	10.0	2.0	25.2	-0.4	-0.2	-0.1	-0.1	-0.2	-0.1	0.1
9	D	7.0	6.5	13.0	4.4	23.3	5.0	0.0	0.0	0.1	0.0	0.1	0.0
9	C	10.2	10.2	8.5	8.3	15.2	6.0	0.0	0.0	0.1	-0.1	0.2	0.1
9	All	3.5	3.2	6.9	2.7	12.8	2.1	-0.1	0.0	-0.1	-0.1	-0.1	0.0
10	W	-0.1	-0.1	1.0	0.1	2.0	0.2	0.0	0.0	0.0	0.1	0.2	0.2
10	AN	2.4	3.0	0.0	4.6	-0.3	0.0	-0.3	-0.3	-0.3	0.1	-0.6	0.0
10	BN	1.1	0.9	0.4	1.1	1.8	3.0	-0.5	-0.6	-0.7	-0.9	-0.5	-1.0
10	D	-1.3	-3.1	-3.7	-3.7	1.5	-0.3	0.0	-0.1	-0.1	-0.1	0.0	0.1
10	C	4.8	5.4	5.0	5.6	5.2	-0.4	0.0	0.0	0.0	0.0	0.3	0.0
10	All	1.0	0.7	0.4	0.9	2.1	0.5	-0.1	-0.2	-0.2	-0.1	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1B-219. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, American River at Watt Avenue, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	4.1	12.9	23.3	26.3	27.4	2.0	-0.1	0.0	0.8	0.5	1.9	-0.1
7	AN	5.4	17.2	26.3	28.2	32.5	3.5	-0.1	0.4	2.3	0.5	3.2	0.2
7	BN	5.4	21.1	23.5	16.5	24.2	4.3	0.2	0.6	3.3	0.9	3.5	0.0
7	D	0.7	6.2	6.2	3.1	6.2	4.8	0.9	1.7	3.3	1.9	3.3	0.9
7	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-0.8	0.2	-1.1	0.8	0.0
7	All	3.1	11.3	16.1	15.2	18.2	2.9	-0.1	0.2	1.6	0.2	2.1	0.2
8	W	1.9	10.8	20.9	15.7	13.4	-0.9	0.6	0.4	0.9	1.2	0.5	-0.1
8	AN	2.4	4.8	12.6	6.7	18.5	1.1	0.6	0.9	1.1	0.8	1.2	0.4
8	BN	7.5	16.3	15.6	10.8	16.3	1.3	0.5	0.9	2.0	1.2	2.3	0.3
8	D	1.0	3.8	3.4	-1.2	4.0	-0.3	0.3	1.2	1.6	1.2	1.9	0.9
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.8	0.3	0.8	0.0
8	All	2.5	7.7	11.6	7.3	10.3	0.0	0.3	0.7	1.0	0.8	1.2	0.3
9	W	-0.8	2.0	6.8	0.6	6.0	1.1	-0.1	0.0	0.3	-0.1	0.7	0.0
9	AN	-2.2	1.7	12.5	5.0	13.6	-2.8	0.3	0.3	1.4	0.9	1.8	0.2
9	BN	0.6	3.9	5.2	3.0	5.6	0.6	0.3	0.4	0.9	0.5	1.4	0.1
9	D	0.6	1.8	1.8	0.3	2.1	0.3	0.2	0.4	0.7	0.4	0.9	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.4	0.6	0.2
9	All	-0.3	1.9	5.0	1.4	5.0	0.2	0.2	0.3	0.7	0.3	1.0	0.1
10	W	3.1	3.9	5.6	3.4	10.0	0.4	0.1	0.1	0.3	0.2	0.3	0.0
10	AN	1.1	3.5	9.7	9.7	15.1	0.5	-0.3	-0.3	-0.6	-0.5	-0.8	0.0
10	BN	0.2	0.5	8.8	1.1	10.6	-0.7	0.2	0.3	-0.3	0.1	-0.1	0.2
10	D	1.3	1.8	3.8	2.2	10.3	1.5	-0.1	-0.1	-0.1	-0.1	0.0	0.0
10	C	-1.0	1.6	2.0	0.0	5.8	1.6	0.4	0.2	0.3	0.3	0.4	-0.1
10	All	1.3	2.4	5.7	2.9	10.1	0.7	0.1	0.1	-0.1	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	0.3	0.0	0.3	0.3	0.0	0.3	0.5	0.0	0.5	0.5	1.0	0.5
11	BN	-0.2	-0.2	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	-0.2	-0.2	-0.2	-0.3	-0.2	0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-220. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Staging, American River at Hazel Avenue, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	2.9	11.3	21.1	20.3	20.5	1.0	0.1	0.0	0.8	0.6	0.5	-0.1
7	AN	6.7	14.0	19.4	20.2	23.7	2.4	0.0	0.4	1.5	0.5	1.9	0.1
7	BN	8.1	20.8	21.5	13.4	21.9	1.4	0.1	0.3	2.0	0.7	2.1	-0.1
7	D	0.0	5.9	5.9	1.6	5.9	4.0	0.3	0.9	1.9	1.0	1.9	0.4
7	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.4	-0.4	0.6	0.0
7	All	3.2	10.3	14.1	11.5	14.5	1.7	0.0	0.1	1.1	0.2	1.1	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	1.4	8.3	15.7	11.4	19.1	0.6	0.1	0.3	0.6	0.7	1.0	-0.1
8	AN	1.1	5.6	8.1	4.8	14.8	-0.5	0.3	0.6	1.2	0.7	1.4	0.3
8	BN	4.3	4.3	4.3	4.3	4.3	0.4	0.3	1.0	1.8	1.0	1.9	0.2
8	D	0.0	0.6	0.6	0.0	0.6	-0.1	0.3	0.9	1.1	0.7	1.4	0.5
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.1	0.5	0.0
8	All	1.3	4.1	6.7	4.9	8.6	0.2	0.2	0.6	0.9	0.6	1.1	0.2
9	W	-0.1	0.2	-0.2	0.1	0.0	0.0	0.0	0.1	0.3	0.1	0.5	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.0	0.7	1.7	0.1
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.2	0.7	1.8	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	0.4	1.2	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.6	0.2
9	All	0.0	0.1	-0.1	0.0	0.0	0.0	0.2	0.3	0.7	0.4	1.1	0.1
10	W	0.2	2.9	3.2	2.9	2.7	-0.4	0.3	0.4	0.5	0.4	0.9	0.0
10	AN	0.3	0.8	7.5	13.7	21.2	0.0	0.2	0.4	0.6	0.4	0.5	0.0
10	BN	-0.2	9.7	19.2	9.5	18.8	0.4	0.2	0.1	0.3	0.0	0.3	0.0
10	D	0.3	4.8	4.4	3.4	8.1	0.1	0.0	0.0	0.1	-0.1	0.4	0.1
10	C	0.0	4.8	10.9	-0.2	15.9	-0.2	0.2	0.1	0.1	0.2	0.2	-0.1
10	All	0.1	4.6	8.2	5.0	11.3	-0.1	0.2	0.2	0.3	0.2	0.5	0.0
11	W	0.0	0.3	1.7	0.7	3.2	0.1	0.2	0.3	0.2	0.1	0.1	-0.1
11	AN	3.1	2.2	0.6	4.7	3.1	0.8	0.2	0.2	0.5	0.1	0.0	0.0
11	BN	-0.2	2.4	1.7	2.2	1.7	0.7	-0.1	-0.2	0.0	-0.3	-0.1	-0.5
11	D	2.3	2.3	0.9	2.3	3.8	-0.2	-0.2	-0.1	-0.1	-0.2	0.0	0.1
11	C	4.2	4.4	4.0	4.0	9.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
11	All	1.5	2.0	1.7	2.3	4.0	0.2	0.0	0.0	0.1	-0.1	-0.1	-0.1
12	W	0.0	0.0	0.1	0.0	0.1	0.2	-0.2	-0.2	-0.3	-0.2	-0.2	-0.3
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	D	-0.1	-0.6	0.1	-0.1	-0.1	0.0	-0.1	-0.8	0.3	-0.1	-0.1	0.5
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	-0.1	0.1	0.0	0.0	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-221. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Staging, American River at Watt Avenue, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.2	1.1	1.9	0.1
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	3.0	1.4	4.2	0.3
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	4.3	1.6	4.6	0.3
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.0	3.6	2.0	3.6	1.1
7	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-0.8	0.2	-1.1	0.8	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	2.4	1.1	2.9	0.4
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.1	1.1	0.7	-0.1
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.5	0.9	1.9	0.3
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.5	1.6	2.9	0.3
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	1.7	1.1	2.0	0.8
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.8	0.3	0.8	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.5	1.0	1.5	0.2
9	W	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.4	-0.1	0.5	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.5	0.9	2.0	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.1	0.6	1.6	0.1
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.4	1.0	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.4	0.6	0.2
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.8	0.3	1.0	0.1
10	W	0.0	0.3	0.4	0.4	0.1	0.0	0.2	0.4	0.4	0.3	0.6	0.0
10	AN	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.6	0.7	1.2	0.0
10	BN	0.0	0.4	1.3	0.4	0.7	0.0	0.1	0.4	0.9	0.4	1.0	0.1
10	D	0.0	0.3	0.3	0.1	0.4	0.0	0.0	0.2	0.2	0.1	0.6	0.0
10	C	0.6	0.2	2.6	0.6	2.6	0.0	0.2	0.4	0.5	0.2	0.9	0.0
10	All	0.1	0.3	0.9	0.4	0.7	0.0	0.1	0.3	0.5	0.3	0.8	0.0
11	W	-1.2	0.7	2.2	1.2	4.3	-0.8	0.2	0.2	0.1	0.1	0.2	0.0
11	AN	1.9	1.4	3.6	4.2	8.1	1.4	0.2	0.2	0.0	0.4	-0.1	0.0
11	BN	-0.7	2.8	2.6	2.2	2.4	-0.4	0.0	0.1	0.1	0.1	0.0	-0.1
11	D	1.2	1.1	0.2	2.0	3.2	-0.2	0.1	0.2	0.1	0.1	0.3	0.0
11	C	4.4	5.2	5.6	4.6	9.8	0.0	0.2	0.1	0.1	0.1	0.0	0.0
11	All	0.7	2.0	2.6	2.5	5.1	-0.2	0.2	0.2	0.1	0.1	0.1	0.0
12	W	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	-0.1	-0.7	0.1	-0.1	-0.1	0.0	-0.3	-1.0	0.2	-0.3	0.0	0.4
12	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
12	All	-0.1	-0.3	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	0.1	-0.1	0.0	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-222. Water Temperature Index Value (from ARWA 2017) Analysis Results, Fall-Run Chinook Salmon, Adult Staging, American River at Watt Avenue, 60°F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.1	1.0	1.0	1.0	0.6	-0.1	0.2	0.4	0.4	0.3	0.7	0.0
10	AN	0.8	0.5	0.5	3.0	3.8	0.0	-0.1	0.1	0.6	0.6	1.0	0.0
10	BN	0.2	1.6	3.9	2.0	3.4	0.2	0.1	0.4	0.8	0.4	1.0	0.1
10	D	0.0	1.8	1.9	1.2	2.9	0.4	0.0	0.1	0.2	0.1	0.5	0.0
10	C	-0.2	2.2	5.0	0.0	5.6	0.0	0.2	0.2	0.3	0.2	0.6	0.0
10	All	0.1	1.4	2.3	1.3	2.9	0.1	0.1	0.3	0.5	0.3	0.7	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Central Valley Steelhead

Table H1b-223. Summary of Potential Effects of Flow Scenarios on Central Valley Steelhead, American River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.7%	0.7%	0.7%	0.7%	0.0%
[b] Unfavorable	0.0%	0.7%	0.7%	0.7%	0.7%	0.0%
Adult Holding						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	0.0%	0.0%	1.7%	0.0%	3.3%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Kelt Emigration						
Favorable	2.5%	3.8%	7.5%	1.3%	7.5%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Juvenile Rearing						
Favorable	1.7%	3.7%	3.7%	1.0%	3.3%	0.0%
Unfavorable	0.7%	7.0%	16.7%	9.3%	19.3%	1.0%
Smoltification						
Favorable	0.0%	3.3%	6.7%	0.0%	10.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Smolt emigration (excluding migrant parr)						
Favorable	1.4%	2.9%	5.7%	2.9%	7.1%	0.0%
Unfavorable	4.3%	11.4%	12.9%	10.0%	14.3%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-224. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, American River at Hazel Avenue, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	-3.1	0.0	1.6	-1.2	0.2	2.2	0.0	-0.1	-0.1	-0.1	0.0	0.0
12	AN	2.4	1.3	0.8	0.0	-2.7	1.3	0.0	-0.1	0.0	-0.1	-0.1	0.0
12	BN	-0.4	-4.3	-2.7	-2.2	-9.0	0.4	-0.1	-0.1	0.0	-0.1	0.0	0.0
12	D	2.5	1.2	8.2	0.0	4.5	0.7	-0.1	-0.1	0.0	-0.1	0.0	0.0
12	C	-1.0	2.2	4.8	3.6	-1.4	0.8	-0.1	-0.2	-0.1	-0.2	0.0	0.0
12	All	-0.3	0.0	2.7	-0.2	-1.1	1.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0
1	W	-0.2	-0.2	1.3	-0.4	2.4	0.1	0.1	0.1	-0.1	0.2	0.0	0.0
1	AN	-0.3	-0.3	-2.4	-5.1	-3.0	0.0	0.0	0.0	-0.1	0.4	0.1	0.0
1	BN	0.2	-1.3	1.4	-0.7	3.2	0.5	0.0	0.1	0.0	0.0	0.3	0.1
1	D	-0.3	-0.1	0.3	-0.1	0.9	0.3	0.1	0.0	0.0	0.0	0.0	-0.1
1	C	1.6	1.0	6.5	7.3	2.6	1.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2
1	All	0.1	-0.2	1.5	0.3	1.6	0.4	0.0	0.0	-0.1	0.0	0.1	0.0
2	W	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	AN	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	BN	0.0	1.4	0.6	0.8	-0.6	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
2	D	0.0	0.0	0.0	-1.6	-0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0
2	C	-6.6	-2.6	1.5	1.8	-8.2	1.8	0.2	0.3	0.2	0.1	-0.1	0.1
2	All	-1.1	-0.2	0.4	0.1	-1.6	0.3	0.0	0.1	0.1	0.1	-0.1	0.1
3	W	0.0	-0.4	-1.7	-1.6	-2.5	0.0	0.0	-0.1	-0.2	-0.2	-0.2	0.0
3	AN	0.0	-1.3	-1.6	-1.3	-3.0	-0.5	0.0	-0.1	-0.3	-0.1	-0.2	0.0
3	BN	-3.0	-6.8	-8.6	-6.3	-13.3	-0.7	-0.1	-0.2	-0.3	-0.2	-0.4	0.0
3	D	-2.1	-7.2	-7.5	-5.9	-13.2	-2.9	0.0	-0.1	-0.1	0.0	-0.2	-0.1
3	C	-11.3	-5.4	-13.5	-2.4	-18.5	-4.2	0.0	-0.2	-0.2	-0.1	-0.3	-0.1
3	All	-2.9	-4.0	-6.2	-3.5	-9.5	-1.5	0.0	-0.1	-0.2	0.0	-0.2	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	0.0	0.3	1.1	1.3	4.3	0.1	0.1	0.1	0.3	0.2	0.4	0.0
4	AN	-0.3	-1.4	1.4	-2.2	2.2	0.8	0.1	0.2	0.3	0.2	0.6	0.1
4	BN	1.5	3.3	6.3	2.4	4.1	0.9	0.0	0.1	0.2	0.1	0.3	0.1
4	D	0.5	-0.2	1.4	0.2	2.1	0.6	-0.2	-0.2	0.0	-0.3	-0.4	0.0
4	C	-1.5	-0.8	-0.8	-0.8	-0.4	-0.6	0.1	0.1	-0.2	0.4	-0.4	-0.1
4	All	0.1	0.4	1.8	0.5	2.8	0.3	0.0	0.0	0.0	0.1	-0.1	0.0
5	W	-0.1	0.0	2.4	1.8	4.1	0.4	0.0	0.3	0.5	0.5	0.8	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.7	1.8	0.2
5	BN	0.4	0.7	1.1	-0.2	0.4	0.2	0.7	1.3	2.0	1.5	2.0	0.3
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.1	0.6	0.3	0.6
5	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	-0.9	-1.1	0.3	-0.6	0.1
5	All	0.0	0.1	0.9	0.5	1.3	0.2	0.1	0.4	0.7	0.7	0.8	0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-225. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, American River at Watt Avenue, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	-2.8	-0.5	2.2	-0.8	1.9	1.9	0.0	-0.1	-0.1	-0.1	0.0	0.0
12	AN	2.7	0.8	0.3	-3.0	-6.2	1.3	0.0	-0.1	0.1	0.0	0.0	0.0
12	BN	-2.5	-5.6	-7.5	-4.3	-11.8	-1.8	0.0	0.0	0.1	-0.1	0.1	0.0
12	D	1.5	0.9	6.5	-0.7	6.3	1.6	-0.1	-0.1	0.0	-0.1	-0.1	0.0
12	C	-1.0	-1.8	-0.4	-0.8	-1.8	-1.2	-0.1	-0.2	-0.1	-0.2	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	All	-0.8	-1.2	0.7	-1.7	-1.2	0.6	0.0	-0.1	0.0	-0.1	0.0	0.0
1	W	-0.1	0.0	1.8	-0.1	2.7	0.1	0.0	0.1	-0.1	0.5	0.0	0.0
1	AN	-0.8	-0.5	-2.2	-4.6	-2.7	0.0	0.0	0.0	0.1	0.0	0.2	0.1
1	BN	0.2	-1.1	0.5	-1.1	3.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.3	0.0	0.7	0.0	0.0	0.0	0.2	0.2	0.2	0.1
1	C	-0.6	-0.4	3.8	3.2	-1.8	0.6	0.0	0.0	0.0	0.1	0.2	0.0
1	All	-0.2	-0.3	1.1	-0.3	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
2	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.0
2	BN	1.0	0.4	-1.0	-0.4	1.2	-0.2	0.0	0.0	-0.1	-0.4	-0.1	0.0
2	D	0.2	1.3	0.0	1.0	0.2	-0.3	-0.2	-0.1	0.0	0.0	-0.3	0.0
2	C	-1.8	-2.9	-1.5	1.5	-11.7	2.2	-0.2	0.0	0.0	-0.1	-0.3	0.0
2	All	-0.1	-0.1	-0.4	0.4	-1.7	0.3	0.0	-0.1	-0.3	-0.3	-0.4	0.0
3	W	0.0	-1.5	-3.4	-3.1	-4.7	0.2	0.0	-0.1	-0.2	-0.1	-0.4	-0.1
3	AN	0.3	-0.3	-2.4	-0.3	-4.3	0.5	-0.2	-0.4	-0.6	-0.5	-0.8	-0.1
3	BN	-1.3	-8.1	-10.6	-5.7	-16.7	-1.4	-0.1	-0.4	-0.5	-0.3	-0.6	-0.2
3	D	-2.3	-4.4	-9.1	-3.8	-17.6	-1.6	-0.6	-0.7	-1.1	-0.4	-1.4	-0.4
3	C	0.0	-0.6	-0.6	0.2	-3.4	0.0	-0.2	-0.4	-0.6	-0.3	-0.8	-0.2
3	All	-0.7	-3.1	-5.4	-2.9	-9.5	-0.5	-0.1	-0.2	-0.3	-0.3	-0.3	0.0
4	W	0.0	-0.2	-0.6	-1.0	1.4	0.3	-0.2	-0.4	-0.5	-0.5	-0.5	0.0
4	AN	0.0	-0.8	-0.8	-1.1	-1.4	0.3	-0.5	-0.8	-0.9	-0.9	-1.0	0.0
4	BN	0.0	-0.2	-2.2	0.0	-2.6	0.0	-1.2	-1.7	-1.7	-1.4	-2.2	-0.5
4	D	0.0	0.0	0.0	0.0	-0.5	0.2	-0.3	-0.6	-1.0	-0.1	-1.4	-0.7
4	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	-0.8	-0.9	-0.7	-1.2	-0.3
4	All	0.0	-0.2	-0.7	-0.4	-0.3	0.2	0.0	0.2	0.3	0.3	0.5	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.3	1.0	0.1
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	0.5	0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	-0.8	-0.7	-0.8	-1.6	-0.5
5	D	0.0	0.0	0.0	0.0	0.0	0.0	-1.7	-2.3	-2.5	-1.0	-2.1	-0.2
5	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.5	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-226. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, American River at Hazel Avenue, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-3.1	-4.4	-5.6	-2.6	-6.6	-1.6	0.0	-0.2	-0.5	-0.1	-0.7	-0.2
5	C	-3.6	-4.2	-6.7	3.6	-3.4	2.2	-0.1	0.0	-0.2	-0.1	0.2	0.1
5	All	-1.3	-1.6	-2.3	0.0	-2.0	0.0	-0.1	-0.1	-0.4	-0.1	-0.1	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-227. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, American River at Hazel Avenue, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-228. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, American River at Watt Avenue, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-2.4	-2.4	-2.4	-2.4	-2.4	-0.9	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
4	D	-4.5	-5.9	-6.1	-5.5	-6.1	-2.6	-0.8	-1.4	-1.4	-0.6	-1.4	-0.4
4	C	-1.5	-3.8	-1.7	-3.1	-2.5	-1.7	-0.7	-0.6	-0.3	-0.4	-0.8	-0.8
4	All	-1.7	-2.4	-2.1	-2.2	-2.2	-1.0	-0.3	0.0	0.4	0.2	-0.1	-0.4
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	-0.4	1.1	2.9	3.4	0.7	0.4	0.6	0.5	0.4	0.4	-0.1	0.2
5	D	-10.0	-12.0	-10.9	-12.0	-21.6	-10.9	-0.1	-0.3	-0.8	0.1	-1.0	0.1
5	C	-21.2	-25.8	-27.8	-12.9	-21.4	-2.6	-0.8	-1.0	-1.2	-0.2	-0.7	-0.1
5	All	-5.8	-6.7	-6.5	-4.2	-8.2	-2.8	-0.4	-0.6	-0.9	-0.1	-0.7	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-229. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, American River at Watt Avenue, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.4	-0.6	-0.4	-0.4	-0.6	-0.8	-0.7	-0.9	-0.7	-0.7	-1.4	-1.4
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.5	-0.7	-0.5	-0.5	-1.2	-1.2
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.7	1.3	0.7	1.1	-0.4	1.1	0.3	0.1	0.1	0.2	-0.3	0.2
5	D	-2.6	-5.0	-7.5	-2.8	-11.7	-1.8	-0.5	-0.9	-1.5	-0.5	-1.4	-0.5
5	C	-15.7	-17.1	-20.8	-8.1	-14.5	-1.4	-0.8	-0.9	-1.4	-0.2	-1.0	0.0
5	All	-3.0	-3.7	-4.9	-1.7	-5.1	-0.4	-0.7	-0.9	-1.5	-0.3	-1.1	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-230. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, American River at Hazel Avenue, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-1.9	-0.8	-0.6	-1.9	-1.7	-1.9	-1.3	-0.3	-0.9	-1.3	-0.9	-1.3
4	All	-0.4	-0.2	-0.2	-0.4	-0.3	-0.4	-1.1	-0.1	-0.7	-1.1	-0.7	-1.1
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	9.0	11.1	15.8	14.0	16.5	1.6	-0.1	0.4	0.4	0.3	-0.1	-0.1
5	D	2.3	6.6	9.5	4.3	-0.7	4.1	-0.6	-0.8	-1.1	-0.6	-1.1	-0.5
5	C	-8.5	-8.5	-9.9	5.4	-5.8	-1.8	-0.4	-0.3	-0.5	0.1	-0.1	0.1
5	All	0.8	2.1	3.4	4.4	1.9	0.9	-0.5	-0.5	-0.6	-0.2	-0.6	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	W	0.0	0.0	2.2	2.1	3.9	0.0	0.0	0.0	0.3	0.2	0.7	0.0
6	AN	0.0	0.0	14.4	6.1	33.3	0.0	0.0	0.0	1.0	0.9	1.6	0.0
6	BN	8.0	13.1	26.7	20.0	30.0	7.2	0.7	0.8	0.9	1.1	0.9	-0.1
6	D	9.2	24.8	32.9	18.8	28.6	12.7	-0.6	-0.3	0.1	-0.8	-0.2	-0.6
6	C	6.3	-8.5	2.1	0.4	-5.4	-7.3	-0.2	-0.2	-0.1	-0.2	0.4	0.2
6	All	4.6	6.6	15.1	9.4	16.3	3.0	-0.3	-0.2	-0.2	-0.4	-0.2	-0.3
7	W	2.5	3.4	14.5	15.2	12.9	-2.2	-0.6	-0.9	-0.1	-0.7	-0.5	0.5
7	AN	8.9	28.2	34.7	34.4	40.3	3.0	-0.8	-0.8	0.4	-0.9	0.7	0.2
7	BN	2.7	27.2	35.8	21.7	40.9	-1.1	0.2	-0.3	1.3	0.2	1.1	0.0
7	D	0.0	13.6	15.8	7.3	13.3	6.7	0.3	0.5	1.5	0.8	1.6	0.3
7	C	-3.6	-1.4	0.4	0.8	0.2	1.0	0.1	0.0	0.3	-0.5	0.6	-0.1
7	All	1.7	12.3	18.9	14.6	19.4	1.2	0.0	-0.3	0.6	-0.3	0.6	0.1
8	W	4.7	8.6	16.3	18.6	29.0	-1.3	-0.1	0.0	0.3	0.2	0.4	0.1
8	AN	15.6	26.6	35.8	28.8	46.2	5.6	0.0	0.3	0.8	0.4	0.8	0.4
8	BN	16.1	40.7	46.6	35.1	52.0	1.4	-0.1	-0.1	0.7	0.2	0.7	0.2
8	D	-4.5	5.6	7.2	0.9	8.9	-1.2	0.4	0.7	0.9	0.8	1.2	0.6
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.1	0.5	0.0
8	All	5.3	14.6	19.6	15.9	26.1	0.3	0.0	0.1	0.4	0.1	0.4	0.3
9	W	0.3	3.7	7.9	5.2	9.2	0.2	0.0	0.0	0.2	0.1	0.7	0.0
9	AN	0.6	-1.9	8.6	6.4	17.2	-1.1	0.1	0.3	1.0	0.7	1.4	0.1
9	BN	-0.4	8.5	8.7	4.8	8.7	0.6	0.2	0.3	0.9	0.6	1.6	0.0
9	D	-0.3	2.1	2.1	0.0	2.4	0.5	0.3	0.5	0.8	0.4	1.1	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.2
9	All	0.0	2.9	5.5	3.3	7.1	0.1	0.2	0.3	0.6	0.3	1.0	0.1
10	W	4.2	9.1	6.8	7.2	9.1	-0.3	0.3	0.3	0.5	0.3	0.9	0.0
10	AN	2.2	7.5	19.6	19.1	30.9	-0.5	0.1	0.1	0.1	0.0	-0.1	0.1
10	BN	5.2	10.4	23.3	13.8	22.8	2.3	-0.1	-0.2	-0.2	-0.4	-0.2	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	D	0.3	4.1	3.7	1.5	7.9	0.1	0.0	-0.1	0.1	0.0	0.5	0.1
10	C	1.2	4.2	11.9	0.2	14.7	-1.8	0.2	0.1	0.0	0.2	0.2	0.0
10	All	2.8	7.2	11.5	7.4	14.9	0.0	0.1	0.0	0.1	0.0	0.3	0.0
11	W	0.7	0.8	1.3	0.6	1.6	-0.1	-0.1	-0.1	-0.2	0.0	0.0	0.0
11	AN	1.4	1.7	1.1	1.4	0.6	0.0	0.0	-0.5	0.1	-0.1	0.0	0.3
11	BN	-0.4	0.4	0.9	0.0	0.2	-0.7	-0.3	-0.2	-0.1	-0.2	-0.1	0.1
11	D	0.0	0.6	0.0	0.2	1.5	0.2	0.2	0.1	0.1	0.1	0.2	0.0
11	C	2.1	2.3	2.5	1.9	2.1	0.6	-0.1	-0.2	-0.2	-0.1	0.0	-0.1
11	All	0.6	1.0	1.1	0.7	1.3	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-231. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, American River at Hazel Avenue, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-1.8	-2.8	-3.5	-1.8	-3.5	-2.1	-0.1	-0.3	-0.5	-0.1	-0.5	-0.3
5	C	-1.6	-1.4	-2.4	-0.6	-0.8	0.8	0.3	0.0	-0.5	-0.1	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	All	-0.7	-0.9	-1.2	-0.5	-0.9	-0.3	0.0	-0.1	-0.5	-0.1	0.0	-0.2
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	1.7	5.2	5.7	8.1	2.6	1.1	0.3	0.8	0.5	0.7	0.3	0.2
6	D	-1.2	-0.5	4.7	-2.6	-1.4	0.0	0.1	0.5	-0.3	-0.5	-0.2	-0.1
6	C	-5.6	-9.6	-8.8	-7.7	4.8	-4.4	-0.3	0.2	-0.3	0.0	-0.2	-0.1
6	All	-0.9	-0.7	0.7	-0.3	1.0	-0.5	-0.2	0.1	-0.5	-0.3	-0.2	-0.2
7	W	0.0	0.0	2.4	0.0	1.8	0.0	0.0	0.0	0.3	0.0	0.6	0.0
7	AN	-1.3	-0.5	11.8	-1.3	7.3	0.5	-0.2	0.1	0.4	-0.2	0.4	0.2
7	BN	3.0	0.0	17.9	-0.5	5.7	-1.8	-0.1	-0.2	-0.1	-0.6	-0.4	-0.8
7	D	4.3	5.1	18.9	4.4	14.1	6.6	0.3	0.2	0.2	-0.1	-0.1	0.0
7	C	1.2	4.2	4.4	-9.9	17.1	-3.2	-0.2	-0.3	-0.1	-0.1	0.0	-0.1
7	All	1.5	1.8	10.4	-0.9	8.5	0.7	-0.2	-0.3	-0.5	-0.2	-0.4	-0.2
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	1.1	0.0	0.8	0.3	0.0	0.0	0.3	0.0	0.3	0.0
8	BN	0.0	0.0	1.4	0.0	0.7	0.0	0.0	0.0	0.5	0.0	0.3	0.0
8	D	0.7	0.4	1.9	0.1	1.3	1.2	0.5	1.0	0.4	0.0	0.6	0.7
8	C	-3.6	-1.4	5.0	-4.6	4.0	-3.2	0.3	0.2	0.1	0.5	0.4	0.1
8	All	-0.4	-0.1	1.6	-0.7	1.2	-0.2	0.3	0.2	0.1	0.4	0.4	0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.7	0.0	0.4	0.2	0.0	0.0	0.3	0.0	0.0	0.0
9	D	0.6	1.1	2.3	0.3	4.2	0.5	-0.1	0.1	0.1	-0.1	0.3	0.1
9	C	6.9	8.1	15.4	3.5	15.6	4.2	-0.1	-0.1	-0.1	-0.2	0.1	0.1
9	All	1.3	1.6	3.2	0.6	3.6	0.8	-0.1	-0.1	-0.2	-0.2	0.1	0.1
10	W	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-0.5	-0.5	-0.5	2.2	-3.0	0.0	-0.2	-0.3	-0.3	0.1	-0.8	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	BN	-0.2	-0.4	-0.7	-0.7	0.7	0.2	-0.5	-0.4	-0.8	-1.0	-0.6	-1.1
10	D	-1.0	-2.3	-1.0	-2.2	-0.6	1.5	0.1	0.2	0.1	0.2	0.5	0.1
10	C	0.8	0.8	0.6	2.0	6.3	0.2	0.1	0.1	0.2	-0.1	0.2	-0.1
10	All	-0.2	-0.5	-0.3	0.0	0.8	0.4	-0.1	0.0	-0.2	-0.2	0.0	-0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-232. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, American River at Watt Avenue, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.8	0.8	0.0	0.0
3	All	0.2	0.2	0.2	0.2	0.0	0.0	1.0	1.0	0.8	0.8	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-3.5	-5.7	-8.3	-7.0	-9.3	-0.4	-1.1	-1.4	-1.5	-1.5	-1.9	-0.1
4	D	-18.0	-22.9	-26.4	-21.1	-29.5	-8.6	-0.7	-0.9	-1.0	-0.8	-1.1	-0.3
4	C	-0.8	-5.2	-14.4	1.5	-18.8	-9.6	-0.2	-0.6	-0.1	-0.4	-0.2	-0.2
4	All	-4.8	-7.0	-9.8	-5.8	-11.4	-3.6	-0.5	-0.7	-0.4	-0.5	-0.4	-0.2
5	W	-1.0	0.4	2.0	2.0	2.6	0.0	-1.1	-1.0	-0.6	-0.6	-0.5	-0.1
5	AN	0.8	1.3	4.3	1.1	7.0	0.0	0.3	0.6	0.3	0.3	0.9	0.0
5	BN	-1.1	0.0	0.0	0.0	-3.8	-4.7	0.4	0.5	0.7	0.7	0.4	0.6
5	D	-6.9	-7.2	-6.2	-8.9	-16.4	-3.8	-0.5	-0.8	-1.0	-0.5	-1.5	-0.6

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	C	-7.1	-11.1	-13.9	-5.0	-16.3	-0.6	-1.5	-1.7	-1.9	-0.7	-1.2	-0.2
5	All	-3.1	-3.1	-2.5	-2.1	-5.4	-1.8	-0.7	-1.0	-1.3	-0.5	-1.2	-0.2
6	W	4.6	6.0	11.4	10.4	19.6	1.6	0.4	1.0	1.2	1.2	1.7	0.4
6	AN	5.8	19.4	47.5	30.0	60.6	4.4	0.1	0.6	1.5	0.9	3.1	0.0
6	BN	3.5	22.2	36.9	26.1	44.6	9.4	1.0	0.1	0.5	0.6	0.6	-0.5
6	D	8.3	15.3	17.0	10.5	15.2	7.1	-0.1	1.1	2.3	0.4	2.1	-0.2
6	C	-0.8	-1.3	0.8	-1.0	-1.0	-2.7	-0.5	-1.1	0.1	-0.5	0.4	0.0
6	All	4.5	11.5	20.0	13.8	24.8	3.9	-0.3	-0.4	0.2	-0.5	0.2	-0.4
7	W	0.4	5.4	8.4	8.4	9.7	1.7	0.1	0.5	1.3	1.2	2.2	0.0
7	AN	2.2	5.6	6.5	6.5	6.5	2.4	0.0	0.7	2.8	1.2	4.0	0.2
7	BN	2.0	6.1	6.1	4.3	6.1	4.8	0.3	1.2	4.0	1.4	4.3	0.0
7	D	0.0	0.0	0.0	-0.1	0.0	0.0	0.9	2.0	3.6	2.0	3.6	1.1
7	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-0.8	0.2	-1.1	0.8	0.0
7	All	0.8	3.5	4.5	4.1	4.9	1.7	0.1	0.7	2.3	0.9	2.8	0.3
8	W	2.3	5.9	10.1	7.4	8.5	-0.5	0.4	0.6	1.3	1.4	0.8	-0.1
8	AN	5.1	7.3	8.6	5.9	11.8	-0.3	0.4	0.6	1.1	0.7	1.4	0.4
8	BN	2.2	2.2	2.2	2.2	2.2	0.2	0.7	1.4	2.4	1.5	2.8	0.3
8	D	0.0	0.6	0.6	-0.1	0.6	-0.1	0.4	1.4	1.7	1.1	2.0	0.8
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.8	0.3	0.8	0.0
8	All	1.7	3.2	4.7	3.4	4.6	-0.2	0.3	0.9	1.4	0.9	1.5	0.3
9	W	-0.1	0.1	0.6	-0.2	0.2	0.0	-0.1	0.0	0.4	0.0	0.6	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.5	0.9	2.0	0.1
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.1	0.6	1.6	0.1
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.4	1.0	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.4	0.6	0.2
9	All	0.0	0.0	0.2	-0.1	0.1	0.0	0.2	0.3	0.8	0.4	1.0	0.1
10	W	1.6	4.4	4.0	3.8	4.8	0.4	0.2	0.3	0.4	0.2	0.6	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	AN	-0.5	2.7	11.0	14.8	22.3	0.5	0.0	0.1	0.2	0.0	0.1	0.0
10	BN	1.8	10.9	19.7	10.6	20.4	0.9	0.0	-0.1	0.0	-0.1	0.1	0.0
10	D	-0.9	2.6	2.2	0.7	5.0	-0.9	0.1	0.0	0.1	0.0	0.4	0.1
10	C	0.4	4.0	9.9	-0.2	13.9	-0.6	0.2	0.1	0.0	0.2	0.1	0.0
10	All	0.6	4.9	8.3	5.0	11.4	0.1	0.1	0.1	0.1	0.1	0.3	0.0
11	W	0.2	0.6	0.8	0.4	1.3	-0.1	0.2	0.1	0.2	0.2	0.3	0.0
11	AN	1.1	0.8	0.8	2.2	1.4	0.0	0.1	-0.1	0.2	-0.1	-0.1	0.3
11	BN	-0.6	1.7	1.1	0.4	1.5	-0.2	0.2	-0.3	0.3	0.0	-0.1	0.1
11	D	0.2	0.3	0.0	0.6	2.1	0.2	0.0	0.1	0.0	-0.1	0.0	0.0
11	C	4.0	4.0	4.6	3.5	3.5	-0.2	-0.3	-0.3	-0.4	-0.3	-0.2	0.1
11	All	0.8	1.3	1.3	1.2	1.9	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-233. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, American River at Watt Avenue, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-3.3	-3.5	-3.5	-3.3	-3.5	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.3
4	C	-1.9	-2.9	-1.5	-2.3	-2.7	-1.9	-0.6	-0.7	-0.4	-0.5	-0.8	-1.0
4	All	-1.1	-1.3	-1.1	-1.2	-1.3	-0.7	-0.2	-0.3	0.0	-0.1	-0.3	-0.6
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	1.4	2.2	3.6	3.2	1.6	1.3	0.5	0.5	0.3	0.5	-0.2	0.1
5	D	-7.0	-6.6	-7.5	-7.6	-15.8	-6.3	-0.1	-0.8	-1.1	-0.1	-1.4	-0.1
5	C	-21.8	-28.6	-29.4	-12.5	-20.6	-4.2	-0.7	-0.8	-1.1	-0.2	-0.7	0.0
5	All	-4.9	-5.8	-5.8	-3.2	-6.6	-1.9	-0.4	-0.7	-1.0	-0.1	-0.9	0.0
6	W	0.0	0.0	1.4	0.3	7.3	0.0	0.0	0.0	0.4	0.3	1.2	0.0
6	AN	0.8	1.4	17.2	7.5	43.1	0.0	0.3	0.2	1.5	1.1	2.2	0.0
6	BN	6.3	13.7	24.8	17.0	32.2	6.3	0.3	-0.3	0.0	0.2	-0.1	-1.2
6	D	15.3	32.4	37.0	20.5	36.8	11.1	-1.4	-0.7	0.4	-1.0	0.0	-1.1
6	C	4.6	-4.0	5.2	6.0	3.3	-5.2	-0.9	-1.0	-0.2	-1.1	0.2	0.3
6	All	5.4	9.3	16.3	9.7	22.2	2.8	-1.0	-0.9	-0.3	-1.0	-0.7	-0.6
7	W	3.7	10.5	20.8	24.9	32.8	0.0	-0.3	-0.2	0.7	0.1	1.4	0.1
7	AN	9.7	25.0	39.5	36.0	49.5	6.7	-0.4	0.0	1.9	0.1	2.6	0.1
7	BN	-1.4	25.3	32.4	18.8	33.7	3.4	0.5	0.4	3.0	0.8	3.1	0.0
7	D	1.2	8.5	10.3	4.7	10.1	7.2	0.9	1.6	3.2	1.9	3.2	0.8
7	C	0.0	0.0	0.0	0.0	-0.2	0.0	-1.0	-0.8	0.2	-1.1	0.8	0.0
7	All	2.3	12.8	19.5	16.6	24.5	3.1	-0.1	0.0	1.4	-0.1	1.6	0.2
8	W	4.1	8.9	21.1	19.4	14.7	-2.6	0.6	0.5	0.8	1.1	0.4	0.0
8	AN	8.1	12.4	18.5	14.8	27.2	3.0	0.4	0.6	0.9	0.5	0.9	0.4
8	BN	15.6	29.4	32.4	22.2	34.4	1.1	0.2	0.5	1.5	0.9	1.7	0.4
8	D	-0.4	7.5	7.5	-0.3	8.2	0.0	0.4	1.1	1.4	1.2	1.7	0.9
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.8	0.3	0.8	0.0
8	All	5.0	11.3	16.4	11.8	16.0	-0.2	0.1	0.5	0.8	0.5	0.9	0.4
9	W	-3.3	-0.1	10.6	-2.3	14.4	-0.4	0.0	0.0	0.3	-0.1	0.6	0.1
9	AN	5.0	9.4	41.7	18.6	52.5	5.0	0.4	0.2	1.0	1.0	1.3	0.1
9	BN	3.5	10.0	12.8	8.3	16.1	0.9	0.2	0.3	0.8	0.5	1.2	0.1
9	D	2.0	4.7	5.3	1.5	6.5	1.8	0.2	0.3	0.6	0.3	0.8	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.4	0.6	0.2
9	All	0.7	4.0	11.9	3.4	15.3	1.1	0.2	0.3	0.4	0.3	0.6	0.1
10	W	2.7	3.7	5.5	3.3	8.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.1
10	AN	1.3	2.7	5.9	4.6	7.3	1.6	-0.4	-0.4	-0.6	-0.3	-0.6	-0.1
10	BN	0.9	0.9	4.3	1.1	5.6	1.3	0.2	0.4	-0.3	0.1	0.1	0.0
10	D	-0.4	-0.6	1.3	0.9	7.8	0.1	0.1	0.1	0.0	0.0	0.0	0.1
10	C	2.6	3.4	3.0	1.8	8.7	-0.2	0.3	0.2	0.3	0.4	0.3	-0.1
10	All	1.5	2.0	4.0	2.3	7.7	0.3	0.1	0.1	-0.1	0.1	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-234. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, American River at Watt Avenue, 65 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	-0.6	-0.6	-0.4	-0.4	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.3	-0.2
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.9	2.9	4.1	4.3	1.6	1.1	0.3	0.2	0.2	0.3	-0.1	0.1
5	D	-9.7	-13.2	-12.6	-15.0	-23.2	-9.5	-0.2	-0.4	-0.7	0.1	-1.0	-0.2
5	C	-16.5	-25.0	-29.4	-11.9	-24.8	-2.6	-1.1	-1.1	-1.2	-0.3	-0.6	-0.1
5	All	-4.9	-6.7	-7.0	-4.6	-9.0	-2.4	-0.6	-0.7	-0.8	-0.1	-0.7	-0.1
6	W	0.7	3.3	6.0	6.1	10.3	0.2	0.3	0.5	1.0	0.8	2.1	0.0
6	AN	0.0	6.4	29.2	12.5	56.4	0.0	0.6	0.4	1.5	1.1	2.5	0.1
6	BN	6.3	18.3	30.9	22.0	37.2	8.9	0.4	-0.5	-0.2	0.0	0.0	-1.2
6	D	17.4	26.7	31.1	22.4	30.2	9.4	-1.0	0.1	1.2	-0.7	0.8	-0.6
6	C	-3.5	-8.3	-0.4	-1.3	-5.0	-6.7	-0.3	-0.6	0.2	-0.5	0.8	0.3
6	All	4.7	9.8	18.0	12.3	22.9	2.7	-0.6	-0.6	-0.1	-0.9	-0.2	-0.4
7	W	3.4	12.5	23.4	26.5	28.3	1.5	-0.1	0.0	0.8	0.4	1.9	0.0
7	AN	6.7	20.2	30.4	29.8	37.4	5.9	-0.2	0.3	2.2	0.4	3.0	0.1
7	BN	5.4	22.4	24.9	16.5	26.0	4.1	0.2	0.5	3.3	0.9	3.4	0.0
7	D	0.7	6.3	6.5	3.4	6.5	5.1	0.9	1.7	3.3	1.9	3.3	0.9
7	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-0.8	0.2	-1.1	0.8	0.0
7	All	3.0	11.8	16.9	15.5	19.5	3.1	-0.1	0.1	1.6	0.1	2.0	0.2
8	W	2.4	11.2	21.5	16.1	13.9	-0.6	0.6	0.4	0.8	1.2	0.5	-0.1
8	AN	3.0	5.4	13.4	7.8	19.6	1.3	0.6	0.9	1.1	0.7	1.2	0.4
8	BN	7.7	17.0	16.5	11.1	17.2	1.3	0.5	0.9	2.0	1.2	2.2	0.3
8	D	1.0	4.0	3.7	-1.3	4.3	-0.9	0.3	1.2	1.5	1.2	1.8	0.9
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.8	0.3	0.8	0.0
8	All	2.7	8.1	12.1	7.6	10.8	0.0	0.2	0.6	1.0	0.7	1.2	0.4
9	W	-0.6	1.3	4.2	0.1	3.7	0.1	-0.1	0.0	0.4	-0.1	0.6	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	0.8	1.1	5.3	2.8	6.1	-0.3	0.2	0.3	1.4	0.9	1.9	0.1
9	BN	0.2	2.6	2.6	1.1	2.8	-0.2	0.3	0.4	1.0	0.6	1.5	0.1
9	D	0.3	1.1	1.1	0.2	1.1	0.5	0.2	0.4	0.7	0.4	1.0	0.2
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.4	0.6	0.2
9	All	0.0	1.3	2.7	0.6	2.6	0.1	0.2	0.3	0.7	0.4	1.0	0.1
10	W	2.3	5.4	6.5	4.4	11.6	-1.1	0.2	0.2	0.3	0.2	0.4	0.1
10	AN	0.3	5.4	15.3	12.1	22.0	-0.3	-0.1	-0.2	-0.5	-0.3	-0.6	0.1
10	BN	0.7	3.9	14.0	5.6	14.3	1.3	0.1	0.0	-0.2	-0.1	0.0	0.0
10	D	0.3	1.5	3.1	0.1	8.5	1.0	0.0	0.0	0.0	0.1	0.2	0.0
10	C	0.8	2.6	5.6	1.6	9.3	1.2	0.3	0.2	0.1	0.2	0.2	-0.1
10	All	1.1	3.8	8.0	4.1	12.3	0.3	0.1	0.0	0.0	0.0	0.1	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-235. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, American River at Watt Avenue, 68 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	3.4	3.6	3.9	4.3	0.5	0.9	0.2	0.3	0.2	0.3	-0.2	0.1
5	D	-5.6	-7.6	-8.5	-5.3	-13.9	-4.5	-0.2	-0.6	-1.2	-0.2	-1.5	-0.1
5	C	-19.0	-25.2	-25.4	-9.1	-16.7	-0.8	-0.8	-0.7	-1.2	-0.3	-0.8	-0.1
5	All	-3.7	-5.2	-5.3	-1.9	-5.8	-1.0	-0.6	-0.7	-1.1	-0.3	-1.0	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	W	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
6	AN	0.0	0.0	7.8	1.4	22.2	0.0	0.0	0.0	0.9	1.0	1.9	0.0
6	BN	3.0	11.3	16.7	12.8	27.2	1.9	0.9	-0.1	0.7	0.6	0.1	-0.7
6	D	5.9	28.3	37.4	14.5	36.2	5.8	-1.2	-1.1	-0.1	-1.2	-0.5	-1.1
6	C	11.9	1.3	11.9	9.4	7.7	0.2	-1.6	-1.5	-0.9	-1.6	-0.1	-0.1
6	All	3.8	8.6	14.4	7.3	17.7	1.7	-1.1	-1.3	-0.5	-1.1	-0.8	-0.6
7	W	0.2	0.6	10.4	10.0	26.9	0.4	-0.1	0.2	1.1	-0.2	0.5	0.4
7	AN	-5.4	9.9	40.3	17.2	62.4	2.4	-0.2	-0.6	1.2	-0.7	1.3	0.1
7	BN	5.4	11.5	57.0	21.3	64.0	7.7	0.3	0.7	1.9	0.5	1.8	-0.3
7	D	10.4	21.3	31.2	21.4	29.3	12.9	0.7	1.3	2.5	1.4	2.6	0.7
7	C	-2.6	-0.4	0.2	0.4	0.0	0.6	-0.8	-0.7	0.2	-1.1	0.8	-0.1
7	All	2.3	8.2	25.6	14.0	34.2	4.8	-0.1	0.0	0.7	-0.3	0.6	0.0
8	W	4.6	5.5	10.8	15.8	4.0	-0.4	0.2	0.2	0.4	0.3	0.5	0.3
8	AN	13.7	23.9	30.4	25.8	33.9	10.5	0.0	0.1	0.4	-0.1	0.5	0.2
8	BN	9.0	24.6	47.7	32.3	57.0	4.1	0.1	0.1	0.7	0.2	0.7	0.3
8	D	9.7	30.8	30.2	23.9	37.4	22.6	0.2	0.5	0.9	0.7	0.9	0.3
8	C	-2.8	0.8	0.8	0.8	0.8	-0.4	-0.1	0.5	0.8	0.2	0.7	0.0
8	All	6.5	16.2	22.7	19.4	24.4	6.9	-0.2	-0.1	0.2	-0.2	0.2	0.0
9	W	-1.4	-0.1	8.0	-1.3	13.9	0.9	0.1	0.1	0.3	0.1	0.6	0.0
9	AN	9.4	7.5	37.2	25.8	54.4	5.0	0.2	0.4	0.8	0.7	0.8	0.1
9	BN	6.1	17.0	31.5	19.3	45.0	3.3	0.2	0.1	0.4	0.3	0.6	0.1
9	D	2.9	8.8	14.4	7.1	19.2	2.6	0.2	0.3	0.5	0.3	0.6	0.2
9	C	2.3	2.5	2.5	1.5	1.9	0.8	0.3	0.4	0.5	0.3	0.6	0.2
9	All	2.9	6.4	16.4	8.1	23.8	2.2	0.2	0.2	0.2	0.1	0.2	0.1
10	W	1.3	1.7	2.5	1.6	5.1	0.2	-0.2	-0.2	0.1	-0.1	-0.2	0.0
10	AN	1.1	2.4	4.3	3.2	3.5	-0.5	-0.5	-0.5	-0.8	-0.3	-0.7	0.2
10	BN	0.4	1.1	2.2	0.7	3.8	0.4	0.4	0.4	-0.2	0.2	0.2	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	D	1.5	2.3	2.9	1.5	5.7	0.3	-0.1	-0.2	-0.2	-0.1	-0.1	0.1
10	C	3.2	2.2	2.6	2.8	6.5	-1.8	0.4	0.4	0.4	0.4	0.3	0.1
10	All	1.4	1.9	2.8	1.8	5.0	-0.2	0.1	0.0	-0.1	0.1	0.0	0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-236. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, American River at Hazel Avenue, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.1	0.6	0.0	1.2	0.0	0.0	0.0	-0.2	0.0	-0.2	0.0
1	AN	-0.3	0.0	-1.1	-0.8	-0.5	0.0	0.1	0.1	-0.1	0.2	0.0	0.1
1	BN	0.0	0.4	0.9	0.4	3.8	0.5	0.0	0.0	0.0	0.0	0.1	0.0
1	D	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.4	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.1	0.3	0.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2	W	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	AN	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	BN	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	D	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	-0.2	0.0	-0.2	-0.2
2	C	-1.3	0.9	2.6	1.1	-2.2	2.0	0.2	0.1	0.3	0.1	-0.2	0.0
2	All	-0.2	0.1	0.5	0.2	-0.3	0.4	0.2	0.1	0.2	0.1	-0.2	0.0
3	W	0.0	-0.5	-0.5	-0.5	-0.5	0.0	0.0	-0.2	-0.2	-0.2	-0.2	0.0
3	AN	0.0	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	-2.0	-4.7	-5.4	-5.0	-5.7	-1.3	-0.2	-0.1	-0.3	-0.1	-0.3	0.0
3	D	-0.3	-2.3	-2.8	-1.9	-5.1	-1.8	0.2	0.0	-0.1	0.1	0.1	0.0
3	C	-10.5	-14.5	-19.2	-7.9	-19.6	-2.8	0.1	0.2	0.3	0.1	-0.1	-0.2
3	All	-2.1	-3.9	-4.9	-2.8	-5.6	-1.1	0.1	0.2	0.2	0.2	0.0	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-237. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, American River at Watt Avenue, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	-0.1	-0.1	0.3	-0.1	0.9	-0.1	0.1	0.2	-0.1	0.1	-0.2	0.1
1	AN	-0.5	-0.3	-1.1	-1.1	-1.6	0.3	0.1	0.2	0.0	0.5	-0.3	0.1
1	BN	0.0	-0.4	0.4	-0.4	3.8	0.4	0.0	0.1	0.0	0.0	0.0	-0.1
1	D	0.0	-0.3	0.0	-0.1	0.4	0.0	0.0	0.1	0.1	0.1	0.0	0.0
1	C	-0.2	0.0	1.6	1.2	0.8	0.2	-0.3	0.0	0.3	0.2	0.0	-0.1
1	All	-0.1	-0.2	0.3	-0.1	1.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
2	W	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	AN	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	BN	0.4	1.8	0.0	0.4	0.2	0.0	0.0	0.1	0.2	0.1	0.0	0.1
2	D	0.0	0.8	-0.2	-1.8	-0.5	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
2	C	-5.3	-3.3	-2.2	0.0	-13.2	0.7	0.0	0.0	0.1	0.1	0.0	0.1
2	All	-0.8	0.0	-0.4	-0.3	-2.2	0.1	-0.1	-0.1	0.0	0.1	-0.1	0.1
3	W	0.1	-0.5	-3.3	-3.0	-4.5	0.0	0.0	-0.2	-0.4	-0.3	-0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	0.0	-0.3	0.3	-0.3	-4.3	0.0	0.0	-0.2	-0.4	-0.2	-0.6	-0.1
3	BN	-4.1	-9.9	-11.6	-8.1	-17.0	-2.7	-0.1	-0.3	-0.6	-0.4	-0.9	0.0
3	D	-3.5	-7.0	-9.7	-6.2	-17.9	-2.6	0.0	-0.3	-0.5	-0.2	-0.6	-0.2
3	C	-4.6	-5.4	-6.7	-2.0	-12.7	0.0	-0.5	-0.6	-0.9	-0.4	-1.2	-0.5
3	All	-2.3	-4.5	-6.4	-4.1	-11.1	-1.1	-0.2	-0.4	-0.6	-0.3	-0.8	-0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-238. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, American River at Hazel Avenue, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.1	0.0	0.1	0.2	-0.2	-0.2	-0.3	-0.2	-0.2	-0.3
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	-0.1	-0.6	0.1	-0.1	-0.1	0.0	-0.1	-0.8	0.3	-0.1	-0.1	0.5
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	-0.1	0.1	0.0	0.0	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-0.9	-0.9	-1.7	-1.7	-3.0	1.9	-0.4	-0.4	-0.5	-0.3	-0.6	-0.2
4	D	-5.3	-6.8	-8.0	-5.9	-9.1	-1.2	-0.3	-0.4	-0.6	-0.4	-0.7	-0.2
4	C	3.8	-1.3	-4.4	4.4	-4.8	-1.3	-0.6	-0.4	0.0	-0.6	-0.2	-0.3
4	All	-0.7	-1.9	-2.8	-0.9	-3.4	-0.1	-0.4	-0.3	-0.1	-0.4	0.0	-0.3
5	W	0.0	0.0	1.5	1.4	3.4	0.0	0.0	0.0	0.5	0.5	0.8	0.0
5	AN	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0
5	BN	7.0	12.2	14.2	12.4	11.1	3.6	0.9	1.3	1.7	1.5	1.6	0.1
5	D	10.4	14.2	16.1	8.8	8.1	8.5	-0.4	-0.3	-0.3	-0.2	-0.8	-0.3
5	C	-8.1	-17.9	-19.4	-2.4	-17.9	-3.2	-0.3	0.0	-0.2	0.5	0.3	0.2
5	All	2.3	2.5	3.5	4.3	2.7	2.0	-0.2	-0.1	-0.1	0.3	-0.2	0.0
6	W	3.8	7.0	10.3	10.1	14.6	1.8	0.8	1.2	1.4	1.5	1.8	1.1
6	AN	8.3	20.0	48.6	28.9	60.3	0.6	0.5	0.5	1.5	1.3	2.5	0.1
6	BN	7.8	22.6	42.8	29.8	48.1	12.8	0.8	0.2	0.4	0.6	0.3	-0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	D	7.3	16.4	20.8	13.5	14.2	9.5	-0.1	0.6	1.0	0.0	0.9	-0.1
6	C	0.8	-5.2	2.7	-3.8	-4.2	-6.9	0.1	-0.4	-0.1	0.0	0.2	0.0
6	All	5.4	11.6	22.1	14.5	23.2	4.0	-0.2	-0.4	-0.2	-0.4	-0.2	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-239. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, American River at Watt Avenue, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	1.2	1.2	1.0	1.2	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
3	All	0.2	0.2	0.2	0.2	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	-0.6	-0.6	-0.6	-0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.3
4	BN	-2.6	-4.8	-6.3	-5.0	-9.1	-0.2	-1.1	-1.4	-1.7	-1.6	-1.9	-0.1
4	D	-18.2	-24.2	-28.0	-21.1	-33.5	-6.5	-0.8	-1.0	-1.2	-1.0	-1.3	-0.4
4	C	-1.7	-3.8	-11.5	1.7	-20.8	-9.4	-0.2	-0.5	-0.4	-0.3	-0.4	-0.3
4	All	-4.8	-7.0	-9.4	-5.4	-12.7	-3.0	-0.5	-0.7	-0.8	-0.6	-0.7	-0.3
5	W	0.3	2.2	3.2	3.0	3.9	0.0	-1.3	-1.0	-0.5	-0.4	-0.4	0.0
5	AN	1.9	3.0	11.0	4.3	11.0	-0.3	0.8	1.0	0.8	0.7	1.4	0.0
5	BN	0.0	1.1	2.2	0.7	-0.5	-4.7	0.3	0.4	0.4	0.6	0.0	0.5
5	D	-4.8	-3.7	-1.6	-7.3	-9.5	-1.6	-0.6	-1.0	-1.2	-0.6	-1.8	-0.7
5	C	-1.8	-6.3	-6.5	-1.2	-8.7	1.2	-1.7	-2.0	-2.3	-0.9	-1.6	-0.3
5	All	-1.1	-0.6	1.3	-0.3	-1.1	-1.1	-1.0	-1.3	-1.6	-0.7	-1.6	-0.3
6	W	6.9	11.1	19.4	16.8	28.1	0.9	0.4	0.6	0.9	0.9	1.4	0.2
6	AN	3.1	25.3	38.3	31.1	46.4	12.5	0.2	0.6	1.9	0.9	3.5	0.0
6	BN	4.4	21.3	33.0	19.8	38.3	11.7	0.7	0.7	1.4	1.5	1.8	-0.1
6	D	5.2	7.6	8.5	4.7	7.6	3.5	0.2	1.6	2.9	0.8	2.5	0.1
6	C	0.2	-0.2	0.2	-0.2	0.2	-1.0	-0.6	-1.2	0.1	-0.6	0.3	-0.2
6	All	4.5	12.1	18.6	13.6	23.1	4.6	-0.1	-0.1	0.7	-0.1	0.8	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-240. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, American River at Hazel Avenue, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-0.1	-0.1	1.0	0.1	2.0	0.2	0.0	0.0	0.0	0.1	0.2	0.2
10	AN	2.4	3.0	0.0	4.6	-0.3	0.0	-0.3	-0.3	-0.3	0.1	-0.6	0.0
10	BN	1.1	0.9	0.4	1.1	1.8	3.0	-0.5	-0.6	-0.7	-0.9	-0.5	-1.0
10	D	-1.3	-3.1	-3.7	-3.7	1.5	-0.3	0.0	-0.1	-0.1	-0.1	0.0	0.1
10	C	4.8	5.4	5.0	5.6	5.2	-0.4	0.0	0.0	0.0	0.0	0.3	0.0
10	All	1.0	0.7	0.4	0.9	2.1	0.5	-0.1	-0.2	-0.2	-0.1	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-241. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, American River at Hazel Avenue, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	-1.1	-0.9	-2.2	-2.2	-0.9	-2.2	-0.8	-0.6	-0.9	-0.9	-0.6	-0.9
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	-0.2	-0.2	-0.4	-0.4	-0.2	-0.4	-0.8	-0.6	-0.9	-0.9	-0.6	-0.9
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-242. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, American River at Watt Avenue, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	3.1	3.9	5.6	3.4	10.0	0.4	0.1	0.1	0.3	0.2	0.3	0.0
10	AN	1.1	3.5	9.7	9.7	15.1	0.5	-0.3	-0.3	-0.6	-0.5	-0.8	0.0
10	BN	0.2	0.5	8.8	1.1	10.6	-0.7	0.2	0.3	-0.3	0.1	-0.1	0.2
10	D	1.3	1.8	3.8	2.2	10.3	1.5	-0.1	-0.1	-0.1	-0.1	0.0	0.0
10	C	-1.0	1.6	2.0	0.0	5.8	1.6	0.4	0.2	0.3	0.3	0.4	-0.1
10	All	1.3	2.4	5.7	2.9	10.1	0.7	0.1	0.1	-0.1	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.3	0.0	0.3	0.3	0.0	0.3	0.5	0.0	0.5	0.5	1.0	0.5
11	BN	-0.2	-0.2	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	-0.2	-0.2	-0.2	-0.3	-0.2	0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.1
11	C	-0.2	-0.2	-0.2	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.1
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	-2.4	-2.4	-2.4	-2.4	-2.4	-0.9	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
4	D	-4.5	-5.9	-6.1	-5.5	-6.1	-2.6	-0.8	-1.4	-1.4	-0.6	-1.4	-0.4
4	C	-1.5	-3.8	-1.7	-3.1	-2.5	-1.7	-0.7	-0.6	-0.3	-0.4	-0.8	-0.8
4	All	-1.7	-2.4	-2.1	-2.2	-2.2	-1.0						

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-243. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, American River at Watt Avenue, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.8	0.0	0.6	0.1	0.0	0.0	0.1	0.2	0.2	0.2
10	AN	-2.2	-2.2	-4.0	-1.1	-2.2	0.0	-0.4	-0.4	-0.2	-0.1	-0.7	0.2
10	BN	0.7	0.9	0.5	0.9	1.6	1.1	0.4	0.4	-0.3	0.0	0.1	0.0
10	D	0.7	0.4	0.4	0.1	1.6	0.9	0.0	0.0	0.0	0.0	0.1	0.0
10	C	3.4	3.2	4.0	3.4	3.4	-0.6	0.5	0.4	0.3	0.6	0.6	0.0
10	All	0.6	0.5	0.6	0.6	1.2	0.3	0.2	0.1	0.0	0.2	0.1	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.4	-0.6	-0.4	-0.4	-0.6	-0.8	-0.7	-0.9	-0.7	-0.7	-1.4	-1.4
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.5	-0.7	-0.5	-0.5	-1.2	-1.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-244. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, American River at Hazel Avenue, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.2	2.9	3.2	2.9	2.7	-0.4	0.3	0.4	0.5	0.4	0.9	0.0
10	AN	0.3	0.8	7.5	13.7	21.2	0.0	0.2	0.4	0.6	0.4	0.5	0.0
10	BN	-0.2	9.7	19.2	9.5	18.8	0.4	0.2	0.1	0.3	0.0	0.3	0.0
10	D	0.3	4.8	4.4	3.4	8.1	0.1	0.0	0.0	0.1	-0.1	0.4	0.1
10	C	0.0	4.8	10.9	-0.2	15.9	-0.2	0.2	0.1	0.1	0.2	0.2	-0.1
10	All	0.1	4.6	8.2	5.0	11.3	-0.1	0.2	0.2	0.3	0.2	0.5	0.0
11	W	0.0	0.3	1.7	0.7	3.2	0.1	0.2	0.3	0.2	0.1	0.1	-0.1
11	AN	3.1	2.2	0.6	4.7	3.1	0.8	0.2	0.2	0.5	0.1	0.0	0.0
11	BN	-0.2	2.4	1.7	2.2	1.7	0.7	-0.1	-0.2	0.0	-0.3	-0.1	-0.5
11	D	2.3	2.3	0.9	2.3	3.8	-0.2	-0.2	-0.1	-0.1	-0.2	0.0	0.1
11	C	4.2	4.4	4.0	4.0	9.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0
11	All	1.5	2.0	1.7	2.3	4.0	0.2	0.0	0.0	0.1	-0.1	-0.1	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-245. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, American River at Watt Avenue, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.3	0.4	0.4	0.1	0.0	0.2	0.4	0.4	0.3	0.6	0.0
10	AN	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.6	0.7	1.2	0.0
10	BN	0.0	0.4	1.3	0.4	0.7	0.0	0.1	0.4	0.9	0.4	1.0	0.1
10	D	0.0	0.3	0.3	0.1	0.4	0.0	0.0	0.2	0.2	0.1	0.6	0.0
10	C	0.6	0.2	2.6	0.6	2.6	0.0	0.2	0.4	0.5	0.2	0.9	0.0
10	All	0.1	0.3	0.9	0.4	0.7	0.0	0.1	0.3	0.5	0.3	0.8	0.0
11	W	-1.2	0.7	2.2	1.2	4.3	-0.8	0.2	0.2	0.1	0.1	0.2	0.0
11	AN	1.9	1.4	3.6	4.2	8.1	1.4	0.2	0.2	0.0	0.4	-0.1	0.0
11	BN	-0.7	2.8	2.6	2.2	2.4	-0.4	0.0	0.1	0.1	0.1	0.0	-0.1
11	D	1.2	1.1	0.2	2.0	3.2	-0.2	0.1	0.2	0.1	0.1	0.3	0.0
11	C	4.4	5.2	5.6	4.6	9.8	0.0	0.2	0.1	0.1	0.1	0.0	0.0
11	All	0.7	2.0	2.6	2.5	5.1	-0.2	0.2	0.2	0.1	0.1	0.1	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-246. Summary of Water Temperature Index Value Analysis for the American River, Showing the Percent of Month-Water Year Type Combinations with Favorable and Unfavorable Results

				Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result						Percent of Month-Water Year Type Combinations with Favorable Result					
Species	Life Stage	Period	Location	Mean Daily	7DADM[3]	35	45	55	55 w/WSA	65	VA	35	45	55	55 w/WSA	65	VA
Winter-run Chinook Salmon	Non-Natal Rearing	Jul-Apr	Watt Ave	–	64	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	4.0	2.0	4.0	0.0
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Oct-Feb	Hazel Ave	–	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	–	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Nov-Dec	Watt Ave	56	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Jan-May	Hazel Ave	–	61	4.0	4.0	4.0	4.0	8.0	0.0	0.0	0.0	4.0	0.0	4.0	0.0
			Watt Ave	–	64	0.0	0.0	4.0	0.0	4.0	0.0	4.0	8.0	12.0	8.0	16.0	0.0
	Adult Immigration	Sep-Dec	Hazel Ave	–	68	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	–	68	0.0	10.0	30.0	16.7	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Staging	Jul-Dec	Hazel Ave	–	61	0.0	6.7	23.3	13.3	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Oct	Watt Ave	60	–	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steelhead	Spawning, Egg Incubation, and Alevins	Dec-May	Hazel Ave	53	–	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	53	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	6.7	0.0
	Kelt Emigration	Feb-May	Hazel Ave	––	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0
				70	––	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	––	68	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	15.0	5.0	15.0	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	10.0	0.0	10.0	0.0
	Juvenile Rearing	Year-round	Hazel Ave	63	–	1.7	5.0	16.7	6.7	20.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
				––	69	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	63	––	0.0	11.7	13.3	11.7	16.7	0.0	3.3	8.3	6.7	5.0	6.7	0.0
				––	69	0.0	5.0	20.0	10.0	21.7	1.7	1.7	3.3	3.3	0.0	3.3	0.0
		May 15–Oct 31	Watt Ave	65	–	0.0	13.3	36.7	20.0	36.7	3.3	3.3	6.7	6.7	0.0	6.7	0.0
				68	–	3.3	10.0	30.0	13.3	40.0	3.3	3.3	6.7	6.7	0.0	6.7	0.0
	Smoltification	Jan-Mar	Hazel Ave	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	13.3	0.0	20.0	0.0
	Smolt Emigration	Dec-Jun	Hazel Ave	–	61	8.6	11.4	11.4	11.4	14.3	0.0	0.0	0.0	2.9	0.0	2.9	0.0
			Watt Ave	–	64	0.0	11.4	14.3	8.6	14.3	0.0	2.9	5.7	8.6	5.7	11.4	0.0
	Adult Immigration	Oct-Apr	Hazel Ave	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	––	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	––	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	0.0
				70	––	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Oct-Nov	Hazel Ave	–	61	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Watt Ave	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

For unfavorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% higher than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F higher than the exceedance under the baseline.

For favorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% lower than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F lower than the exceedance under the baseline.

°F = degrees Fahrenheit

[a] 7DADM = Seven-day average daily maximum

H1b.6.2.3 Feather River

Winter-Run Chinook Salmon

Table H1b-247. Summary of Potential Effects of Flow Scenarios on Winter-Run Chinook Salmon, Feather River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Non-Natal Rearing						
[a] Favorable	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%
[b] Unfavorable	4.4%	5.6%	5.6%	2.2%	13.3%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-248. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Non-Natal Rearing and Emigration, Feather River above Thermalito Afterbay, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-1.8	-3.1	-5.7	-4.4	-8.0	-2.6	0.0	0.0	-0.1	0.0	-0.1	0.0
7	AN	2.4	-4.3	8.6	9.7	17.5	-1.6	0.0	0.1	0.1	0.1	0.4	0.1
7	BN	3.2	10.6	24.2	2.3	28.5	3.2	-0.1	-0.1	0.3	-0.1	0.0	0.0
7	D	6.2	7.8	14.1	-2.5	14.5	1.8	0.0	-0.1	0.2	-0.2	0.0	-0.1
7	C	10.3	9.5	3.8	9.7	-10.3	1.8	0.0	0.0	0.1	-0.2	0.2	0.1
7	All	3.4	3.8	7.5	1.3	6.5	0.3	0.0	0.0	0.1	-0.1	0.1	0.0
8	W	-3.2	-10.1	-10.5	-10.0	-15.1	-0.3	-0.1	-0.1	-0.1	0.0	-0.1	0.0
8	AN	8.6	1.1	1.3	3.8	25.0	-3.2	0.1	0.0	-0.1	0.0	0.8	0.0
8	BN	6.1	11.5	15.6	7.9	19.5	4.5	0.0	0.1	0.4	-0.1	0.5	0.0
8	D	3.4	11.7	16.7	1.0	18.3	2.9	0.0	0.3	0.3	-0.1	0.5	-0.1
8	C	9.3	11.9	-2.0	2.0	3.0	-3.2	-0.2	0.3	-0.4	-0.3	0.1	-0.3
8	All	3.5	3.7	3.2	-0.6	6.6	0.5	0.0	0.2	0.1	-0.1	0.4	-0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	6.4	0.3	16.9	0.0	0.0	0.0	0.7	0.0	3.1	0.0
9	BN	2.2	8.5	4.6	-0.2	13.1	-0.2	-0.5	0.6	-0.3	-1.0	1.2	-1.0
9	D	-0.2	15.3	17.0	0.0	8.8	-0.2	0.0	1.8	2.4	0.0	3.0	0.0
9	C	-4.8	1.7	4.8	-12.1	7.1	-3.1	-0.2	0.3	0.0	-0.9	0.5	-0.2
9	All	-0.4	5.3	6.2	-2.0	7.6	-0.6	-0.4	0.1	0.0	-0.9	0.7	-0.2
10	W	0.0	0.3	0.3	0.0	0.2	0.0	0.0	1.0	1.0	0.0	0.5	0.0
10	AN	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	1.1	0.0
10	BN	-4.8	-4.5	-4.8	-4.8	-3.2	-0.7	-1.3	-0.8	-1.3	-1.3	-0.8	-0.5
10	D	-0.3	0.6	0.3	-0.3	-0.3	-0.3	-0.5	-0.2	0.5	-0.5	-0.5	-0.5
10	C	0.8	-1.6	-1.2	-1.4	3.4	-0.4	-0.5	-1.0	-0.7	-1.0	-0.2	-0.7
10	All	-0.8	-0.9	-0.9	-1.2	0.4	-0.3	-0.6	-0.7	-0.4	-1.2	-0.4	-0.5

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-249. Water Temperature Index Value Analysis Results, Winter-Run Chinook Salmon, Non-Natal Rearing and Emigration, Feather River at Gridley, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	-0.2	-0.4	-0.9	-0.8	-0.1	0.0	-0.2	-0.2	-0.5	-0.5	-0.3	0.1
7	AN	0.8	1.3	0.8	0.3	1.3	0.5	0.1	0.5	2.1	0.8	3.9	0.3
7	BN	2.7	2.7	3.0	2.7	3.2	2.2	0.6	1.7	3.3	1.1	4.8	0.1
7	D	2.3	3.7	3.8	3.5	3.8	-0.3	1.4	2.1	3.1	2.6	3.8	0.1
7	C	3.4	3.6	3.6	3.6	3.6	0.6	1.7	1.6	1.8	1.8	2.1	0.0
7	All	1.6	1.9	1.8	1.7	2.2	0.5	0.6	1.1	1.7	1.0	2.5	0.1
8	W	0.1	-0.4	-2.9	-3.4	-0.3	-0.3	0.2	0.4	0.1	0.2	0.6	-0.1
8	AN	-3.0	-3.5	2.7	-1.6	5.9	0.0	0.0	0.3	1.0	0.3	2.7	0.4
8	BN	2.7	4.1	11.8	1.4	12.9	0.0	0.3	1.3	1.8	1.3	2.6	0.5
8	D	10.4	10.9	13.6	8.5	13.6	0.7	0.8	1.2	1.2	0.9	1.4	0.1
8	C	6.7	1.8	6.0	6.7	5.0	-0.4	0.3	0.9	0.1	1.0	1.6	-0.1
8	All	3.6	2.9	5.7	2.0	6.9	0.0	0.3	0.8	0.7	0.7	1.5	0.1
9	W	1.8	-0.9	5.8	3.7	29.9	0.1	-0.1	-0.3	-1.0	-0.9	-1.3	0.1
9	AN	0.0	7.8	41.1	18.6	69.2	-0.8	0.3	-1.2	-1.0	-1.2	0.2	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	BN	29.6	51.1	41.3	20.6	38.5	5.4	0.5	1.1	0.4	-0.2	1.0	-0.3
9	D	12.9	26.4	23.5	14.4	11.7	4.4	0.6	1.2	1.5	0.2	1.1	0.3
9	C	8.1	3.3	11.7	14.4	10.6	1.9	-0.2	-0.2	-0.1	-0.6	0.7	0.0
9	All	10.2	16.5	21.6	12.8	29.0	2.2	0.0	0.2	0.0	-0.5	0.3	0.0
10	W	4.8	6.7	7.5	1.3	3.2	-1.3	-0.2	0.2	0.2	-0.1	0.7	0.3
10	AN	-5.6	-1.6	3.0	-5.9	11.3	-0.8	0.7	-0.4	0.4	-0.9	0.3	-0.2
10	BN	-1.8	7.3	10.4	-3.0	16.5	0.5	-4.6	-4.3	-4.2	-4.9	-3.2	-0.9
10	D	0.6	5.9	3.8	4.8	-2.8	-1.3	-1.3	-0.4	0.0	-1.4	-1.5	-0.4
10	C	5.2	1.0	5.8	0.0	13.9	1.2	0.6	0.0	-0.6	0.4	0.6	0.4
10	All	1.4	4.7	6.4	0.2	7.0	-0.5	-0.8	-0.9	-0.9	-1.0	-0.3	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	-0.2	-0.2	-0.2	-0.2	-0.2	0.2	-1.0	-1.0	-1.0	-1.0	-1.0	-0.5
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.5
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	-0.1	-0.6	-0.7	-0.6	-0.7	0.0	0.2	-0.6	-0.6	-0.6	-0.6	0.0
3	C	0.0	0.2	1.2	0.0	1.2	0.2	0.0	0.0	0.8	0.0	1.0	0.0
3	All	0.0	-0.1	0.0	-0.1	0.0	0.0	0.2	-0.6	0.2	-0.6	0.4	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Spring-Run Chinook Salmon

Table H1b-250. Summary of Potential Effects of Flow Scenarios on Spring-Run Chinook Salmon, Feather River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
[b] Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Adult Holding						
Favorable	1.7%	5.0%	6.7%	8.3%	10.0%	0.0%
Unfavorable	3.3%	6.7%	8.3%	0.0%	18.3%	1.7%
Spawning, Egg Incubation, and Alevins						
Favorable	1.7%	1.7%	0.0%	3.3%	0.0%	0.0%
Unfavorable	8.3%	8.3%	16.7%	6.7%	18.3%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	0.0%	2.5%	2.5%	2.5%	2.5%	0.0%
Unfavorable	0.0%	0.0%	3.8%	0.0%	3.8%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-251. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Feather River Low Flow Channel below the Fish Barrier Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	7.1	7.8	16.6	10.9	39.1	-1.4	-0.5	-0.2	-0.4	-0.4	-0.4	-0.1
9	AN	2.8	23.6	38.9	26.7	67.5	-1.7	0.1	0.2	1.5	-0.6	2.0	-0.5
9	BN	38.1	68.9	60.7	60.0	68.0	-2.6	1.9	2.0	1.5	0.7	2.3	0.4
9	D	2.9	8.5	6.7	9.2	17.6	-2.6	0.2	2.0	2.4	0.1	0.9	0.0
9	C	-1.5	-6.5	11.7	8.3	20.0	2.5	-0.5	0.2	0.4	-1.8	-0.2	-0.5
9	All	9.9	18.8	24.4	21.1	39.9	-1.3	0.0	0.8	0.9	-0.6	0.4	0.0
10	W	15.2	20.2	13.2	15.6	8.1	4.2	1.1	0.3	1.4	-0.2	0.1	-1.1
10	AN	-0.5	21.8	22.0	-1.1	24.2	-1.1	-4.1	-3.0	-1.5	-3.8	1.1	0.3
10	BN	11.5	25.3	27.8	-9.0	22.2	-5.6	-1.4	-0.6	-0.5	-2.2	0.6	0.8
10	D	15.8	12.9	8.2	16.3	7.0	-3.7	0.0	2.0	1.9	1.4	-0.9	-1.6
10	C	16.7	10.1	28.0	15.3	27.0	9.5	-0.3	-0.8	-1.1	-1.4	0.8	-0.5
10	All	13.0	18.0	18.3	9.2	15.5	0.9	-0.6	-0.4	-0.1	-0.9	0.5	-0.4
11	W	9.7	9.1	7.9	6.4	6.7	2.8	-0.7	-0.9	-0.5	-1.1	-1.2	-1.4
11	AN	-15.3	-5.6	-2.5	-16.1	6.1	-8.1	-1.5	-1.2	-0.5	-1.9	0.2	0.9
11	BN	6.9	20.7	22.2	-4.3	17.2	1.3	-0.7	0.0	-0.3	-1.2	0.0	0.6
11	D	11.2	8.9	1.1	9.1	5.6	-0.9	0.0	0.0	0.7	1.1	-0.1	-0.5
11	C	14.8	7.3	21.9	13.3	24.4	10.2	0.6	0.0	-0.3	0.4	0.1	0.3
11	All	7.3	9.1	10.0	3.4	11.2	1.6	-0.1	-0.2	-0.2	0.0	-0.1	0.1
12	W	0.3	-0.1	0.1	-0.1	0.8	0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
12	AN	-0.5	-0.3	0.0	-0.5	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
12	BN	0.5	2.7	0.4	0.0	0.7	0.0	0.3	0.7	0.0	0.0	0.5	0.0
12	D	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.5	0.0
12	C	2.8	2.8	1.6	6.5	1.6	3.0	0.0	-0.3	-0.4	-0.2	-1.0	-0.6
12	All	0.6	0.9	0.4	1.0	0.7	0.5	0.1	0.0	-0.1	0.2	-0.3	-0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.1	0.1	0.1	0.5	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.2	0.2	-1.3	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.1	0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
2	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	AN	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	BN	-1.2	-0.4	1.4	0.4	0.2	0.6	0.0	0.0	0.1	0.1	0.0	0.0
2	D	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	C	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	All	-0.2	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-252. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Feather River below Thermalito Afterbay Outlet, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.2	2.2	0.1
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	4.3	2.0	6.9	0.1
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.9	3.2	1.8	3.2	1.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.0	2.1	0.7	1.1	0.5
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.4	1.3	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.4	1.8	0.8	2.5	0.4
10	W	5.3	7.0	5.8	4.3	8.0	1.1	0.8	1.1	1.2	0.9	1.2	0.1
10	AN	-2.4	0.3	2.7	-1.1	2.2	-0.8	0.1	0.6	1.2	-0.2	1.8	0.1
10	BN	4.1	4.5	6.6	2.7	8.6	0.4	0.2	1.3	1.6	-0.2	1.8	-0.1
10	D	2.3	4.1	2.1	0.7	4.1	-2.3	0.5	0.8	0.7	1.0	0.3	-0.2
10	C	3.8	4.8	5.6	2.0	4.8	0.6	0.7	0.4	1.1	0.4	1.7	0.3
10	All	3.2	4.7	4.7	2.2	6.0	-0.1	0.5	0.9	1.1	0.5	1.3	0.0
11	W	14.7	15.8	17.8	16.3	18.7	0.1	0.5	0.7	0.5	0.2	0.4	0.3
11	AN	-4.2	4.4	9.2	1.4	15.0	-6.4	0.0	0.4	0.2	-0.4	0.9	0.1
11	BN	10.7	20.2	22.4	2.0	20.2	1.7	-0.3	0.4	0.4	-0.5	0.6	0.6
11	D	7.4	9.4	6.5	6.4	12.4	-0.3	0.3	-0.1	0.3	0.7	0.0	-0.2
11	C	14.4	3.3	14.4	9.6	16.3	6.7	0.6	0.7	1.0	0.4	1.4	0.5
11	All	10.0	11.7	14.5	8.5	16.7	0.6	0.3	0.5	0.5	0.2	0.6	0.3
12	W	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.0	0.0
12	C	0.0	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.5	1.0	0.0
12	All	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.6	0.0
1	W	0.1	0.2	0.3	0.1	-0.4	0.1	-0.1	-0.1	-0.1	-0.1	-0.5	-0.1
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	-0.2	-0.4	-0.5	-0.4	-0.7	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
1	D	-0.1	0.1	-0.3	-0.3	-0.3	-0.1	0.2	-0.1	-0.3	-0.3	-0.3	0.2
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	-0.1	-0.1	-0.3	0.0	-0.1	-0.1	0.0	-0.1	-0.4	0.0
2	W	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	AN	0.0	-0.3	-0.3	-0.3	-0.3	0.0	0.3	0.0	0.0	0.0	-0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	BN	2.5	1.4	2.5	5.9	2.5	0.6	0.0	0.0	0.1	0.1	0.3	0.0
2	D	0.8	0.0	-0.8	-0.5	-1.0	0.2	-0.1	0.0	0.0	0.0	0.1	0.0
2	C	4.4	4.2	3.3	4.6	1.8	0.0	0.6	0.4	0.5	0.7	0.5	0.0
2	All	1.4	0.9	0.8	1.7	0.5	0.1	-0.1	-0.2	-0.1	-0.1	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-253. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Feather River Low Flow Channel below the Fish Barrier Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.8	-0.8	-0.8	-0.8	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.2	0.2
11	BN	-1.1	-1.1	-1.1	-1.1	-0.9	0.9	-1.8	-1.8	-1.8	-1.8	-1.8	-0.2
11	D	0.2	0.0	0.9	1.4	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0
11	C	2.5	0.0	0.0	0.0	0.0	1.5	0.6	0.0	0.0	0.0	0.0	0.6
11	All	0.2	-0.3	-0.1	0.0	-0.2	0.4	-0.8	-1.3	-0.5	-1.0	-1.0	-0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	3.0	3.0	5.7	4.7	6.0	0.1	0.9	0.6	0.5	0.6	0.6	0.0
6	AN	-2.5	2.8	-2.8	-1.4	4.2	-2.5	-0.5	0.4	0.5	0.1	0.3	-0.7

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	BN	-1.1	-0.2	2.6	-1.5	1.9	-0.9	0.1	0.3	0.9	-0.1	1.2	0.0
6	D	-3.9	-9.4	-4.8	-6.1	-11.4	-3.2						
6	C	3.5	9.2	-4.0	0.0	-2.1	-1.0						
6	All	0.1	0.6	0.1	-0.4	-0.2	-1.3						

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-254. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Feather River below Thermalito Afterbay Outlet, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	C	0.0	0.0	0.4	0.0	1.0	0.0	0.0	0.0	0.5	0.0	0.6	0.0
3	All	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.6	0.0
4	W	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0
4	AN	-0.6	-1.1	-1.1	-1.1	-1.1	3.9	-2.5	-3.0	-3.0	-3.0	-3.0	-1.8
4	BN	-3.0	-3.9	-3.9	-3.9	-3.9	10.0	-0.3	-0.5	-0.5	-0.5	-0.5	0.5
4	D	4.1	0.3	-2.1	2.3	-3.2	14.8	0.1	-0.2	-0.5	-0.1	-0.9	0.0
4	C	-1.3	-8.3	-11.7	-0.6	-15.2	-1.7	-0.3	-0.2	-0.4	-0.3	-0.1	0.0
4	All	-0.1	-2.3	-3.4	-0.6	-4.2	5.4	-0.2	-0.1	-0.3	-0.2	0.0	0.0
5	W	0.4	-0.3	-1.3	-1.3	-1.2	0.0	-0.6	-0.8	-0.9	-0.9	-0.5	0.0
5	AN	-4.0	-6.2	-7.8	-7.8	-7.8	2.2	-0.9	-1.1	-1.6	-1.6	-1.6	-0.5
5	BN	-3.6	-5.0	-4.8	-5.0	-4.3	0.5	-0.1	0.2	0.1	0.2	-0.4	0.1
5	D	-4.7	-5.6	-5.9	-5.6	-5.1	-1.8	-0.8	-0.7	-0.7	-0.7	-0.8	-0.4
5	C	-6.7	1.8	-1.4	-8.9	10.1	0.2	-0.3	0.0	0.1	-0.2	0.0	0.0
5	All	-3.2	-2.7	-3.8	-5.0	-1.6	0.0	-0.5	-0.2	-0.2	-0.3	-0.2	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	W	-1.9	-1.3	-3.7	-2.4	-5.8	-0.2	0.0	-0.1	-0.3	-0.3	-0.3	0.0
6	AN	-7.2	-11.4	-9.7	-15.6	-4.4	1.4	-0.1	-0.2	-0.2	-0.3	0.1	0.1
6	BN	-3.0	-2.8	-1.9	-3.7	2.6	2.4	-0.2	0.1	0.5	0.2	0.6	-0.2
6	D	5.6	14.7	16.5	13.2	18.5	0.9	0.2	0.3	0.8	0.4	0.8	0.1
6	C	0.4	2.9	6.7	3.5	6.9	1.0	0.0	0.4	0.5	0.2	0.9	0.0
6	All	-0.7	1.5	2.1	0.2	3.4	0.9	0.0	0.1	0.4	0.1	0.5	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-255. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Feather River Low Flow Channel below the Fish Barrier Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-256. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Feather River below Thermalito Afterbay Outlet, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.8	-0.8	-0.8	-0.8	-0.8	0.0
5	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	-0.8	-0.8	-0.8	-0.8	-0.8	-0.5	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
5	BN	-0.2	-0.4	-0.4	-0.4	-0.4	0.0	-1.5	-1.5	-1.5	-1.5	-1.5	-1.0
5	D	-1.2	-1.2	-1.2	-1.2	-1.2	-0.6	-0.9	-0.9	-0.9	-0.9	-0.9	0.4
5	C	-1.0	0.0	-0.8	-1.0	-0.6	0.0	-0.4	-0.6	-0.1	0.1	-0.7	-0.1
5	All	-0.6	-0.5	-0.6	-0.6	-0.6	-0.2	-0.6	-0.4	0.0	0.2	-0.5	-0.3
6	W	1.6	0.9	0.9	0.8	0.6	-0.2	-0.1	-0.2	-0.3	-0.3	-0.2	0.0
6	AN	-6.7	-7.8	-5.0	-9.4	3.6	2.2	-0.2	-0.1	0.0	-0.1	-0.2	-0.1
6	BN	-4.3	3.7	10.7	1.5	13.7	-1.1	0.2	0.0	0.3	0.2	0.4	0.0
6	D	2.7	10.9	17.3	9.7	18.0	0.6	-0.2	-0.2	0.1	-0.1	0.1	-0.1
6	C	3.8	11.3	15.6	7.5	20.4	0.4	-0.2	0.1	0.0	-0.1	0.3	0.0
6	All	0.1	4.3	8.1	2.8	10.5	0.2	-0.1	0.0	0.1	-0.1	0.2	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-257. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Feather River Low Flow Channel below the Fish Barrier Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	3.0	3.0	5.7	4.7	6.0	0.1	0.9	0.6	0.5	0.6	0.6	0.0
6	AN	-2.5	2.8	-2.8	-1.4	4.2	-2.5	-0.5	0.4	0.5	0.1	0.3	-0.7
6	BN	-1.1	-0.2	2.6	-1.5	1.9	-0.9	0.1	0.3	0.9	-0.1	1.2	0.0
6	D	-3.9	-9.4	-4.8	-6.1	-11.4	-3.2	0.0	0.2	0.3	0.3	-0.4	0.0
6	C	3.5	9.2	-4.0	0.0	-2.1	-1.0	-0.6	-0.1	-0.3	0.3	0.5	0.4
6	All	0.1	0.6	0.1	-0.4	-0.2	-1.3	-0.1	0.2	0.2	0.1	0.4	0.1
7	W	-5.4	-9.0	-13.7	-13.3	-14.9	-2.8	0.1	0.1	0.2	0.4	-0.1	-0.1
7	AN	5.4	-2.2	19.6	16.7	34.4	-0.5	-0.1	-0.3	-0.6	-0.2	-0.3	-0.1
7	BN	4.7	15.1	40.3	4.5	39.6	1.8	-0.2	-0.7	-0.2	-0.5	-0.6	0.0
7	D	7.5	13.8	26.8	-8.1	30.1	5.3	-0.1	-0.4	-0.2	-0.8	-0.5	-0.1
7	C	26.4	25.6	23.6	20.0	12.5	4.0	-0.6	-0.8	-0.7	-0.9	-0.7	0.0
7	All	5.9	7.0	15.5	0.2	15.7	1.3	-0.1	-0.3	-0.2	-0.3	-0.3	0.0
8	W	-2.3	-9.7	-8.4	-7.4	-11.0	0.8	-0.1	-0.2	-0.2	-0.1	-0.4	0.0
8	AN	9.9	-3.8	0.8	-3.5	20.7	-7.3	0.2	0.0	-0.3	0.0	1.1	0.0
8	BN	8.8	13.6	20.1	9.9	20.6	2.0	0.0	0.1	0.3	-0.1	0.6	0.0
8	D	3.8	17.6	19.6	10.4	23.0	3.7	-0.1	0.3	0.4	-0.3	0.5	-0.1
8	C	9.7	15.3	0.2	7.1	9.1	-2.2	-0.2	0.3	-0.6	-0.5	-0.1	-0.6
8	All	4.6	5.5	5.7	2.6	9.6	0.2	0.0	0.2	0.0	-0.2	0.3	-0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.6	11.9	0.3	16.9	0.0	0.0	0.5	1.9	1.0	6.1	0.0
9	BN	11.3	16.9	11.9	0.6	20.2	-0.4	0.6	1.9	0.7	-0.8	2.4	-1.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	D	-0.8	20.5	24.4	3.9	8.6	0.8	-0.7	3.2	3.1	0.4	4.8	0.0
9	C	0.6	-2.9	10.0	-8.5	7.7	-1.0	-1.1	0.7	-0.3	-2.0	0.5	-0.6
9	All	2.0	7.3	10.7	-0.4	9.0	-0.1	-1.2	0.3	-0.3	-2.1	1.0	-0.7

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-258. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Feather River below Thermalito Afterbay Outlet, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-1.0	-4.1	-5.6	-5.6	-5.8	0.0	-0.8	-1.2	-1.6	-1.6	-1.6	0.0
4	AN	-12.5	-18.9	-19.4	-19.2	-20.3	11.1	-0.4	-0.4	-0.7	-0.2	-1.4	0.4
4	BN	-7.2	-25.9	-31.9	-27.0	-33.5	24.3	-0.5	-0.8	-1.4	-1.1	-1.6	0.5
4	D	17.0	-0.9	-16.7	5.2	-22.3	43.6	0.1	-0.2	-0.4	0.0	-0.6	0.4
4	C	20.0	12.1	2.7	21.5	-9.4	0.4	-0.5	-0.6	-0.8	-0.5	-0.9	-0.1
4	All	3.9	-6.6	-13.2	-4.4	-16.9	15.7	-0.2	-0.2	-0.3	-0.1	-0.4	0.2
5	W	-0.8	-3.2	-7.4	-7.5	-8.5	0.0	0.1	0.0	-0.2	-0.1	-0.2	0.0
5	AN	-6.2	-15.3	-23.7	-20.4	-23.1	3.0	-0.4	-0.8	-1.1	-1.1	-1.3	0.1
5	BN	-5.4	-17.4	-20.8	-17.9	-21.5	6.6	-0.3	-0.5	-0.3	-0.5	-0.4	-0.2
5	D	-1.3	-5.4	-4.7	-2.1	-7.9	-2.3	-0.4	-0.4	-0.5	-0.4	-0.4	-0.2
5	C	0.0	6.0	8.7	-1.8	8.3	-3.4	-0.3	0.0	-0.1	-0.4	0.4	0.0
5	All	-2.3	-6.3	-8.6	-8.9	-9.8	0.5	-0.3	-0.2	-0.2	-0.4	-0.1	-0.1
6	W	-0.1	-0.3	-0.8	-0.1	-3.4	0.0	-0.1	-0.2	-0.4	-0.4	-0.5	0.0
6	AN	1.7	1.1	0.8	0.8	1.1	0.6	-0.4	-0.6	-0.6	-0.9	-0.2	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	BN	-0.6	-0.9	-1.1	-0.6	-0.4	-0.6	-0.3	-0.1	0.4	0.0	0.6	-0.1
6	D	0.0	0.5	0.8	0.8	0.0	0.2	0.3	0.7	1.2	0.7	1.4	0.1
6	C	0.4	0.4	0.6	0.4	0.6	0.8	0.1	0.5	0.8	0.3	1.1	0.0
6	All	0.1	0.0	-0.1	0.2	-0.9	0.1	0.0	0.1	0.3	0.0	0.5	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.4	-0.4	-0.1	0.1
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.8	0.7	3.4	0.3
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	2.8	1.0	4.2	0.2
7	D	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.5	2.3	2.2	3.0	0.1
7	C	0.4	0.4	0.4	0.4	0.4	0.0	1.7	1.5	1.7	1.7	2.2	0.0
7	All	0.1	0.1	0.1	0.1	0.1	0.0	0.6	0.9	1.4	0.9	2.2	0.1
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.7	0.8	1.3	-0.2
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.5	1.3	0.5	2.8	0.6
8	BN	0.0	-0.2	0.0	0.0	0.0	0.0	0.2	1.1	1.7	0.9	2.2	0.4
8	D	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	0.9	0.8	1.0	0.0
8	C	1.8	1.8	1.8	1.8	1.8	-0.2	0.3	0.6	0.0	1.2	1.7	-0.1
8	All	0.3	0.3	0.3	0.3	0.3	0.0	0.4	0.9	0.9	0.8	1.7	0.1
9	W	2.2	2.9	12.4	6.7	42.3	0.8	0.0	-0.5	-0.7	-0.5	-0.4	0.1
9	AN	1.1	17.2	61.1	24.4	85.0	0.0	-0.2	-1.4	-0.6	-0.6	0.7	-0.4
9	BN	50.4	55.0	59.6	39.3	54.4	14.1	0.6	1.6	0.5	-0.4	0.7	-0.4
9	D	20.6	23.0	21.5	13.6	11.7	10.8	0.5	1.3	1.5	0.2	0.7	0.2
9	C	7.7	5.0	5.6	10.2	8.5	1.9	-0.1	-0.3	0.2	-0.2	0.8	0.0
9	All	16.0	19.1	28.0	17.0	37.4	5.5	0.1	0.3	0.2	-0.3	0.4	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Fall-Run Chinook Salmon

Table H1b-259. Summary of Potential Effects of Flow Scenarios on Fall-Run Chinook Salmon, Feather River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
[b] Unfavorable	0.0%	4.0%	2.0%	0.0%	10.0%	0.0%
Adult Holding						
Favorable	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%
Unfavorable	4.0%	10.0%	10.0%	0.0%	24.0%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	2.0%	2.0%	0.0%	4.0%	0.0%	0.0%
Unfavorable	8.0%	6.0%	14.0%	6.0%	16.0%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	0.0%	2.9%	2.9%	2.9%	2.9%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-260. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Feather River Low Flow Channel below the Fish Barrier Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	15.2	20.2	13.2	15.6	8.1	4.2	1.1	0.3	1.4	-0.2	0.1	-1.1
10	AN	-0.5	21.8	22.0	-1.1	24.2	-1.1	-4.1	-3.0	-1.5	-3.8	1.1	0.3
10	BN	11.5	25.3	27.8	-9.0	22.2	-5.6	-1.4	-0.6	-0.5	-2.2	0.6	0.8
10	D	15.8	12.9	8.2	16.3	7.0	-3.7	0.0	2.0	1.9	1.4	-0.9	-1.6
10	C	16.7	10.1	28.0	15.3	27.0	9.5	-0.3	-0.8	-1.1	-1.4	0.8	-0.5
10	All	13.0	18.0	18.3	9.2	15.5	0.9	-0.6	-0.4	-0.1	-0.9	0.5	-0.4
11	W	9.7	9.1	7.9	6.4	6.7	2.8	-0.7	-0.9	-0.5	-1.1	-1.2	-1.4
11	AN	-15.3	-5.6	-2.5	-16.1	6.1	-8.1	-1.5	-1.2	-0.5	-1.9	0.2	0.9
11	BN	6.9	20.7	22.2	-4.3	17.2	1.3	-0.7	0.0	-0.3	-1.2	0.0	0.6
11	D	11.2	8.9	1.1	9.1	5.6	-0.9	0.0	0.0	0.7	1.1	-0.1	-0.5
11	C	14.8	7.3	21.9	13.3	24.4	10.2	0.6	0.0	-0.3	0.4	0.1	0.3
11	All	7.3	9.1	10.0	3.4	11.2	1.6	-0.1	-0.2	-0.2	0.0	-0.1	0.1
12	W	0.3	-0.1	0.1	-0.1	0.8	0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
12	AN	-0.5	-0.3	0.0	-0.5	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
12	BN	0.5	2.7	0.4	0.0	0.7	0.0	0.3	0.7	0.0	0.0	0.5	0.0
12	D	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.5	0.0
12	C	2.8	2.8	1.6	6.5	1.6	3.0	0.0	-0.3	-0.4	-0.2	-1.0	-0.6
12	All	0.6	0.9	0.4	1.0	0.7	0.5	0.1	0.0	-0.1	0.2	-0.3	-0.2
1	W	0.0	0.1	0.1	0.1	0.5	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.2	0.2	-1.3	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.1	0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	AN	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	BN	-1.2	-0.4	1.4	0.4	0.2	0.6	0.0	0.0	0.1	0.1	0.0	0.0
2	D	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	C	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	All	-0.2	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-261. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Feather River below Thermalito Afterbay Outlet, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	5.3	7.0	5.8	4.3	8.0	1.1	0.8	1.1	1.2	0.9	1.2	0.1
10	AN	-2.4	0.3	2.7	-1.1	2.2	-0.8	0.1	0.6	1.2	-0.2	1.8	0.1
10	BN	4.1	4.5	6.6	2.7	8.6	0.4	0.2	1.3	1.6	-0.2	1.8	-0.1
10	D	2.3	4.1	2.1	0.7	4.1	-2.3	0.5	0.8	0.7	1.0	0.3	-0.2
10	C	3.8	4.8	5.6	2.0	4.8	0.6	0.7	0.4	1.1	0.4	1.7	0.3
10	All	3.2	4.7	4.7	2.2	6.0	-0.1	0.5	0.9	1.1	0.5	1.3	0.0
11	W	14.7	15.8	17.8	16.3	18.7	0.1	0.5	0.7	0.5	0.2	0.4	0.3
11	AN	-4.2	4.4	9.2	1.4	15.0	-6.4	0.0	0.4	0.2	-0.4	0.9	0.1
11	BN	10.7	20.2	22.4	2.0	20.2	1.7	-0.3	0.4	0.4	-0.5	0.6	0.6
11	D	7.4	9.4	6.5	6.4	12.4	-0.3	0.3	-0.1	0.3	0.7	0.0	-0.2
11	C	14.4	3.3	14.4	9.6	16.3	6.7	0.6	0.7	1.0	0.4	1.4	0.5

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	All	10.0	11.7	14.5	8.5	16.7	0.6	0.3	0.5	0.5	0.2	0.6	0.3
12	W	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.0	0.0
12	C	0.0	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.5	1.0	0.0
12	All	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.6	0.0
1	W	0.1	0.2	0.3	0.1	-0.4	0.1	-0.1	-0.1	-0.1	-0.1	-0.5	-0.1
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	-0.2	-0.4	-0.5	-0.4	-0.7	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
1	D	-0.1	0.1	-0.3	-0.3	-0.3	-0.1	0.2	-0.1	-0.3	-0.3	-0.3	0.2
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	-0.1	-0.1	-0.3	0.0	-0.1	-0.1	0.0	-0.1	-0.4	0.0
2	W	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	AN	0.0	-0.3	-0.3	-0.3	-0.3	0.0	0.3	0.0	0.0	0.0	-0.2	0.0
2	BN	2.5	1.4	2.5	5.9	2.5	0.6	0.0	0.0	0.1	0.1	0.3	0.0
2	D	0.8	0.0	-0.8	-0.5	-1.0	0.2	-0.1	0.0	0.0	0.0	0.1	0.0
2	C	4.4	4.2	3.3	4.6	1.8	0.0	0.6	0.4	0.5	0.7	0.5	0.0
2	All	1.4	0.9	0.8	1.7	0.5	0.1	-0.1	-0.2	-0.1	-0.1	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-262. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Feather River Low Flow Channel below the Fish Barrier Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.8	-0.8	-0.8	-0.8	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.2	0.2
11	BN	-1.1	-1.1	-1.1	-1.1	-0.9	0.9	-1.8	-1.8	-1.8	-1.8	-1.8	-0.2
11	D	0.2	0.0	0.9	1.4	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0
11	C	2.5	0.0	0.0	0.0	0.0	1.5	0.6	0.0	0.0	0.0	0.0	0.6
11	All	0.2	-0.3	-0.1	0.0	-0.2	0.4	-0.8	-1.3	-0.5	-1.0	-1.0	-0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-263. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Feather River below Thermalito Afterbay Outlet, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	C	0.0	0.0	0.4	0.0	1.0	0.0	0.0	0.0	0.5	0.0	0.6	0.0
3	All	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.6	0.0
4	W	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0
4	AN	-0.6	-1.1	-1.1	-1.1	-1.1	3.9	-2.5	-3.0	-3.0	-3.0	-3.0	-1.8
4	BN	-3.0	-3.9	-3.9	-3.9	-3.9	10.0	-0.3	-0.5	-0.5	-0.5	-0.5	0.5
4	D	4.1	0.3	-2.1	2.3	-3.2	14.8	0.1	-0.2	-0.5	-0.1	-0.9	0.0
4	C	-1.3	-8.3	-11.7	-0.6	-15.2	-1.7	-0.3	-0.2	-0.4	-0.3	-0.1	0.0
4	All	-0.1	-2.3	-3.4	-0.6	-4.2	5.4	-0.2	-0.1	-0.3	-0.2	0.0	0.0
5	W	0.4	-0.3	-1.3	-1.3	-1.2	0.0	-0.6	-0.8	-0.9	-0.9	-0.5	0.0
5	AN	-4.0	-6.2	-7.8	-7.8	-7.8	2.2	-0.9	-1.1	-1.6	-1.6	-1.6	-0.5
5	BN	-3.6	-5.0	-4.8	-5.0	-4.3	0.5	-0.1	0.2	0.1	0.2	-0.4	0.1
5	D	-4.7	-5.6	-5.9	-5.6	-5.1	-1.8	-0.8	-0.7	-0.7	-0.7	-0.8	-0.4
5	C	-6.7	1.8	-1.4	-8.9	10.1	0.2	-0.3	0.0	0.1	-0.2	0.0	0.0
5	All	-3.2	-2.7	-3.8	-5.0	-1.6	0.0	-0.5	-0.2	-0.2	-0.3	-0.2	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-264. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Feather River Low Flow Channel below the Fish Barrier Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0
8	BN	0.0	0.0	2.5	0.0	1.3	0.0	0.0	0.0	1.1	0.0	2.1	0.0
8	D	0.0	0.0	0.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	1.6	0.0
8	C	-0.8	0.6	-2.2	-1.0	-1.0	-1.2	0.7	-0.3	-1.2	0.0	-1.0	-0.8
8	All	-0.1	0.1	0.2	-0.2	1.3	-0.2	0.7	-0.3	-0.2	0.0	-0.2	-0.8
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	1.1	0.0	2.1	0.0	0.0	0.0	0.1	0.0	0.4	0.0
9	C	0.2	2.7	0.6	0.0	2.1	0.0	0.0	1.3	1.7	0.0	0.5	0.0
9	All	0.0	0.4	0.3	0.0	1.4	0.0	0.0	1.3	0.6	0.0	0.5	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-265. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Feather River below Thermalito Afterbay Outlet, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-0.9	5.5	9.0	10.5	19.8	-4.6	0.1	-0.1	-0.1	-0.2	0.0	0.0
8	AN	-4.0	7.5	19.4	1.3	45.7	10.8	-0.5	0.3	0.4	-0.3	0.8	0.4
8	BN	-2.0	15.1	21.9	13.8	30.8	5.0	0.0	0.6	0.8	0.5	0.9	0.6
8	D	12.2	15.7	1.5	9.7	0.0	-0.7	-0.4	-0.3	-0.6	-0.5	-0.2	0.0
8	C	-1.6	7.7	-9.3	20.0	13.9	-4.2	0.1	0.3	-0.3	0.1	0.9	-0.1
8	All	1.3	10.1	8.0	11.4	19.6	0.0	0.0	0.0	-0.2	-0.2	0.2	0.0
9	W	0.3	-1.1	-2.2	-2.3	-3.9	0.2	-0.5	-0.6	-0.8	-0.8	-1.1	0.0
9	AN	0.3	-0.3	5.6	-0.8	16.7	0.0	-0.1	-1.8	-2.2	-0.8	-0.3	-0.8
9	BN	3.1	12.0	4.8	1.1	10.4	0.2	0.5	1.8	0.6	2.2	1.3	4.0
9	D	0.6	3.5	7.7	-0.2	6.1	0.2	-1.5	-1.3	-1.0	-1.1	-0.2	-0.5
9	C	-6.5	-5.0	-0.4	-12.1	6.7	-3.1	0.1	0.1	-0.7	-0.3	1.1	0.3
9	All	-0.2	1.8	2.6	-2.6	5.2	-0.4	-0.4	-0.3	-1.0	-0.5	0.4	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-0.1	0.3	0.2	0.1	0.2	0.0	0.0	0.8	0.3	1.5	1.3	0.0
10	AN	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	-4.5	-4.5	-4.5	-4.5	-3.8	-1.1	-1.5	-1.5	-1.5	-1.5	-0.8	0.2
10	D	0.0	0.3	0.4	0.0	0.0	0.3	0.0	1.0	0.3	0.0	0.0	0.0
10	C	2.8	0.4	-0.2	0.0	4.0	2.0	-0.1	-0.2	-0.5	-0.4	-0.7	-0.7
10	All	-0.4	-0.6	-0.7	-0.8	0.0	0.2	-0.1	-0.3	-0.7	-0.2	-0.6	-0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-266. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Holding, Feather River Low Flow Channel below the Fish Barrier Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-2.3	-9.7	-8.4	-7.4	-11.0	0.8	-0.1	-0.2	-0.2	-0.1	-0.4	0.0
8	AN	9.9	-3.8	0.8	-3.5	20.7	-7.3	0.2	0.0	-0.3	0.0	1.1	0.0
8	BN	8.8	13.6	20.1	9.9	20.6	2.0	0.0	0.1	0.3	-0.1	0.6	0.0
8	D	3.8	17.6	19.6	10.4	23.0	3.7	-0.1	0.3	0.4	-0.3	0.5	-0.1
8	C	9.7	15.3	0.2	7.1	9.1	-2.2	-0.2	0.3	-0.6	-0.5	-0.1	-0.6
8	All	4.6	5.5	5.7	2.6	9.6	0.2	0.0	0.2	0.0	-0.2	0.3	-0.1
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.6	11.9	0.3	16.9	0.0	0.0	0.5	1.9	1.0	6.1	0.0
9	BN	11.3	16.9	11.9	0.6	20.2	-0.4	0.6	1.9	0.7	-0.8	2.4	-1.0
9	D	-0.8	20.5	24.4	3.9	8.6	0.8	-0.7	3.2	3.1	0.4	4.8	0.0
9	C	0.6	-2.9	10.0	-8.5	7.7	-1.0	-1.1	0.7	-0.3	-2.0	0.5	-0.6
9	All	2.0	7.3	10.7	-0.4	9.0	-0.1	-1.2	0.3	-0.3	-2.1	1.0	-0.7
10	W	4.4	4.4	6.6	-0.8	2.6	-0.8	0.4	0.3	0.5	-0.7	1.2	-0.7
10	AN	-4.6	-4.6	1.1	-4.6	7.8	-0.5	-0.7	-0.7	1.8	-0.7	1.7	-0.2
10	BN	-2.7	3.6	7.2	-5.4	18.8	0.0	-4.0	-3.6	-3.5	-4.9	-3.1	-0.8
10	D	2.1	7.5	7.5	6.5	-1.0	-1.5	-0.7	0.6	-0.2	-1.3	-1.3	-1.1
10	C	7.1	1.4	1.8	-0.6	15.7	0.4	-1.0	-1.4	-1.4	-1.1	-0.3	-0.5
10	All	1.9	3.4	5.4	-0.4	7.5	-0.6	-1.5	-1.2	-1.3	-1.9	-0.7	-0.2
11	W	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.8	-0.8	-0.8	-0.8	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.2	0.2
11	BN	-1.1	-1.1	-1.1	-1.1	-0.9	0.9	-1.8	-1.8	-1.8	-1.8	-1.8	-0.2
11	D	0.2	0.0	0.9	1.4	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0
11	C	2.5	0.0	0.0	0.0	0.0	1.5	0.6	0.0	0.0	0.0	0.0	0.6
11	All	0.2	-0.3	-0.1	0.0	-0.2	0.4	-0.8	-1.3	-0.5	-1.0	-1.0	-0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-267. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Holding, Feather River below Thermalito Afterbay Outlet, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.7	0.8	1.3	-0.2
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.5	1.3	0.5	2.8	0.6
8	BN	0.0	-0.2	0.0	0.0	0.0	0.0	0.2	1.1	1.7	0.9	2.2	0.4
8	D	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	0.9	0.8	1.0	0.0
8	C	1.8	1.8	1.8	1.8	1.8	-0.2	0.3	0.6	0.0	1.2	1.7	-0.1
8	All	0.3	0.3	0.3	0.3	0.3	0.0	0.4	0.9	0.9	0.8	1.7	0.1
9	W	2.2	2.9	12.4	6.7	42.3	0.8	0.0	-0.5	-0.7	-0.5	-0.4	0.1
9	AN	1.1	17.2	61.1	24.4	85.0	0.0	-0.2	-1.4	-0.6	-0.6	0.7	-0.4
9	BN	50.4	55.0	59.6	39.3	54.4	14.1	0.6	1.6	0.5	-0.4	0.7	-0.4
9	D	20.6	23.0	21.5	13.6	11.7	10.8	0.5	1.3	1.5	0.2	0.7	0.2
9	C	7.7	5.0	5.6	10.2	8.5	1.9	-0.1	-0.3	0.2	-0.2	0.8	0.0
9	All	16.0	19.1	28.0	17.0	37.4	5.5	0.1	0.3	0.2	-0.3	0.4	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	13.0	14.1	12.0	13.1	10.0	1.2	-1.0	-0.5	-0.2	-1.3	-0.8	-1.3
10	AN	2.7	7.8	15.1	-1.6	24.2	-0.5	-2.2	-1.7	-1.1	-2.2	-0.8	-0.3
10	BN	2.3	18.6	22.8	-2.0	26.3	-0.7	-3.1	-2.4	-2.2	-3.0	-1.4	0.1
10	D	5.3	11.1	7.0	13.8	2.6	-4.0	-0.9	0.0	0.2	-0.7	-1.5	0.5
10	C	5.0	3.8	17.7	1.4	18.5	4.2	0.7	-0.1	-0.7	0.0	0.6	0.1
10	All	6.7	11.8	14.2	6.8	14.5	0.0	-1.0	-0.8	-0.8	-1.2	-0.4	-0.1
11	W	0.3	0.7	0.8	0.1	0.8	0.0	1.0	0.5	0.6	0.0	1.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0
11	BN	-0.6	-0.4	-0.4	-0.6	0.0	0.7	-1.3	-1.3	-1.3	-1.3	-0.3	0.2
11	D	0.0	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
11	C	0.0	0.2	1.0	0.0	1.3	0.0	0.0	0.0	0.6	0.0	0.3	0.0
11	All	0.0	0.2	0.6	0.0	0.5	0.1	-0.3	-1.0	-0.7	-1.3	-0.6	0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Central Valley Steelhead

Table H1b-268. Summary of Potential Effects of Flow Scenarios on Central Valley Steelhead, Feather River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
[b] Unfavorable	0.0%	1.3%	0.6%	0.0%	5.0%	0.0%
Adult Holding						
Favorable	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%
Unfavorable	6.7%	16.7%	16.7%	0.0%	33.3%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	6.7%	8.3%	8.3%	5.0%	10.0%	0.0%
Unfavorable	1.7%	1.7%	1.7%	3.3%	1.7%	0.0%
Kelt Emigration						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Juvenile Rearing						
Favorable	0.4%	1.7%	1.7%	2.1%	1.3%	0.0%
Unfavorable	0.8%	5.4%	7.5%	2.9%	11.7%	0.8%
Smoltification						
Favorable	3.3%	6.7%	6.7%	6.7%	6.7%	0.0%
Unfavorable	6.7%	3.3%	3.3%	3.3%	3.3%	0.0%
Smolt emigration (excluding migrant parr)						
Favorable	0.0%	2.9%	2.9%	2.9%	2.9%	0.0%
Unfavorable	0.0%	0.0%	4.3%	0.0%	4.3%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-269. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Feather River Low Flow Channel below the Fish Barrier Dam, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	-3.0	-3.5	-5.1	-4.8	-0.9	-0.3	0.1	0.1	0.2	0.1	0.1	0.1
12	AN	-4.3	-0.3	1.1	1.1	2.4	-0.5	-0.3	-0.2	-0.2	-0.4	-0.2	0.0
12	BN	0.2	8.8	2.7	-0.7	3.6	-0.4	0.1	0.3	0.2	-0.1	0.1	0.2
12	D	2.8	2.1	2.9	2.5	2.6	-0.1	0.2	0.3	0.0	0.0	0.4	0.0
12	C	4.8	0.4	4.2	7.5	10.1	4.4	0.3	0.3	0.0	0.5	-0.1	0.2
12	All	0.0	1.0	0.4	0.3	2.9	0.5	0.1	0.1	0.0	0.2	0.0	0.1
1	W	-0.4	-0.2	0.3	-0.1	-0.4	0.0	0.1	0.1	0.0	0.1	0.3	0.0
1	AN	0.0	0.0	0.3	0.3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3
1	BN	0.0	-0.2	-0.7	-1.3	-2.5	0.5	-0.1	0.0	0.1	0.2	0.1	0.0
1	D	-0.7	-0.7	-1.5	-1.2	-0.1	-0.3	0.1	0.2	0.0	0.0	-0.4	0.0
1	C	0.0	-1.6	-1.4	1.0	-1.0	0.0	0.1	-0.3	0.0	-0.2	0.0	-0.1
1	All	-0.3	-0.5	-0.6	-0.3	-0.8	0.1	0.0	0.1	0.1	0.0	0.0	0.0
2	W	0.1	0.1	0.4	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.3	0.1
2	AN	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	BN	-0.6	-0.4	-1.6	-1.2	-2.7	0.0	-0.1	0.0	0.1	0.0	0.0	0.0
2	D	0.0	0.0	-0.6	-0.3	-2.9	0.0	0.0	0.1	-0.3	-0.1	-0.3	0.0
2	C	0.4	-0.9	-1.1	0.2	-0.2	0.0	0.1	-0.2	-0.2	0.1	0.1	0.0
2	All	0.0	-0.2	-0.5	-0.2	-1.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
3	W	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
3	AN	-11.8	-16.1	-16.9	-15.9	-16.1	-4.0	-1.0	-1.0	-1.3	-0.8	-1.0	0.2
3	BN	-7.7	-11.5	-15.2	-8.6	-18.6	-0.9	-0.2	-0.3	-0.3	-0.3	-0.3	-0.1
3	D	-17.0	-21.6	-25.2	-21.7	-23.6	0.6	-0.1	0.0	0.0	0.0	-0.2	0.0
3	C	-12.1	-14.7	-14.5	-6.9	-18.8	0.4	-0.3	-0.5	-0.6	-0.3	-0.7	-0.1
3	All	-8.7	-11.3	-12.9	-9.5	-13.8	-0.5	-0.2	-0.3	-0.3	-0.2	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	-11.9	-12.0	-12.0	-11.8	-12.0	-0.1	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
4	AN	-31.1	-31.9	-31.9	-31.9	-31.1	-24.4	-0.6	-0.6	-0.6	-0.6	-0.2	-0.3
4	BN	-55.4	-56.5	-57.0	-56.1	-57.0	-38.7	-0.1	-0.5	0.3	-0.4	0.3	-0.4
4	D	-77.0	-79.2	-79.8	-77.1	-80.0	-58.5	0.0	0.1	-0.1	-0.2	-0.2	-0.2
4	C	-35.4	-34.8	-36.0	-33.3	-39.8	-2.9	-0.2	-0.2	-0.2	-0.2	-0.1	0.0
4	All	-40.7	-41.4	-41.9	-40.6	-42.4	-23.7	-0.1	0.0	0.0	-0.1	0.0	-0.1
5	W	-0.1	0.2	-0.1	0.2	-0.3	-0.2	-0.1	0.0	-0.1	-0.1	0.0	0.0
5	AN	0.0	0.3	0.5	-0.3	4.3	-0.3	-0.1	-0.3	-0.4	-0.5	-0.1	-0.1
5	BN	-0.9	0.0	1.3	-0.2	2.7	-0.9	-0.3	-0.5	-0.2	-0.4	-0.2	-0.2
5	D	-1.2	-0.7	1.8	-0.7	-0.1	-1.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
5	C	-3.0	6.7	1.6	0.0	-3.8	-1.6	0.1	0.1	0.0	0.1	-0.1	-0.1
5	All	-1.0	1.0	0.9	-0.2	0.3	-0.8	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-270. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Feather River below Thermalito Afterbay Outlet, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	-2.4	-2.3	-3.3	-3.9	1.8	1.1	0.0	0.0	0.1	0.0	0.1	0.0
12	AN	-0.5	-0.5	0.8	-0.5	2.2	-0.5	-0.7	-0.7	0.0	-0.7	-0.2	-0.7
12	BN	0.2	2.0	1.1	0.0	2.0	0.9	0.3	0.8	0.6	0.0	0.5	0.4
12	D	0.6	0.6	0.6	0.6	2.3	0.0	0.5	0.7	0.5	0.5	0.9	0.0
12	C	1.2	0.2	0.0	1.2	0.0	-1.8	0.4	0.5	0.3	0.4	0.3	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	All	-0.4	-0.2	-0.6	-0.9	1.7	0.1	0.1	0.1	0.1	0.1	0.2	0.0
1	W	-0.1	0.0	0.4	0.1	0.1	0.0	0.1	0.1	-0.1	0.0	-0.3	0.0
1	AN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	-0.2	-0.7	-0.7	-0.7	0.0	0.0	-0.1	0.0	0.1	0.1	-0.1	0.1
1	D	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.0	-0.3	-0.3	-0.3	-0.1
1	C	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
1	All	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.3	0.0
2	W	0.0	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.3	0.1	0.7	0.0
2	AN	1.2	-1.2	-1.5	-0.3	-0.6	0.3	-0.1	0.1	0.3	0.0	-0.1	-0.1
2	BN	7.2	5.3	2.0	9.6	-0.6	1.0	0.2	0.2	0.3	0.4	0.4	0.1
2	D	2.9	1.4	1.1	3.2	1.1	0.2	0.0	-0.1	-0.3	-0.3	-0.3	0.0
2	C	14.6	25.4	23.6	21.6	22.7	-0.2	0.4	0.3	0.3	0.3	0.2	0.1
2	All	4.5	5.3	4.3	6.0	3.9	0.3	0.1	0.0	0.0	0.1	0.0	0.0
3	W	0.8	1.9	-0.4	0.8	-2.2	-0.2	0.0	-0.1	-0.1	-0.1	-0.2	0.0
3	AN	-5.1	-9.4	-12.1	-3.8	-19.9	0.8	-0.6	-0.8	-1.3	-1.0	-1.5	0.2
3	BN	20.1	14.7	7.2	19.4	-1.6	0.9	0.5	0.1	-0.3	0.1	-0.5	0.3
3	D	17.3	11.0	3.1	16.1	-1.9	1.6	0.0	-0.2	-0.5	-0.3	-0.6	0.0
3	C	24.6	26.2	24.0	26.2	19.0	-0.2	1.3	1.2	1.2	1.4	0.7	0.2
3	All	11.2	8.9	4.3	11.2	-0.7	0.5	0.4	0.2	0.0	0.2	-0.2	0.1
4	W	1.2	2.3	1.3	0.8	-5.6	-0.1	-0.1	-0.4	-0.9	-0.7	-1.3	0.0
4	AN	1.1	1.7	0.0	1.9	-5.0	0.6	-0.4	-1.3	-2.1	-1.6	-2.6	0.4
4	BN	0.0	-0.4	-4.1	-0.4	-7.0	0.2	-0.5	-1.7	-2.4	-1.6	-3.1	1.5
4	D	0.0	-0.2	-0.3	0.0	-0.9	0.0	1.4	0.3	-0.6	0.8	-1.3	2.7
4	C	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.3	1.2	-0.5	0.0
4	All	0.5	0.8	-0.4	0.4	-3.8	0.1	0.4	-0.4	-1.1	-0.3	-1.6	1.0
5	W	0.1	-0.1	0.2	0.0	-0.4	0.0	0.0	-0.2	-0.6	-0.5	-0.9	0.0
5	AN	0.0	0.0	0.0	0.0	-0.3	0.0	-0.3	-1.1	-1.8	-1.5	-1.8	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	BN	0.0	0.0	-0.2	0.0	0.0	0.0	-0.5	-1.2	-1.5	-1.2	-1.7	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.4	-0.5	-0.3	-0.7	-0.2
5	C	0.6	0.6	0.6	0.6	0.6	0.0	-0.2	0.3	0.4	-0.2	0.6	-0.2
5	All	0.1	0.1	0.1	0.1	-0.1	0.0	-0.2	-0.4	-0.7	-0.7	-0.9	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-271. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Feather River Low Flow Channel below the Fish Barrier Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-272. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Feather River Low Flow Channel below the Fish Barrier Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-273. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Feather River below Thermalito Afterbay Outlet, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.8	-0.8	-0.8	-0.8	-0.8	0.0
5	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	-0.8	-0.8	-0.8	-0.8	-0.8	-0.5	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
5	BN	-0.2	-0.4	-0.4	-0.4	-0.4	0.0	-1.5	-1.5	-1.5	-1.5	-1.5	-1.0
5	D	-1.2	-1.2	-1.2	-1.2	-1.2	-0.6	-0.9	-0.9	-0.9	-0.9	-0.9	0.4
5	C	-1.0	0.0	-0.8	-1.0	-0.6	0.0	-0.4	-0.6	-0.1	0.1	-0.7	-0.1
5	All	-0.6	-0.5	-0.6	-0.6	-0.6	-0.2	-0.6	-0.4	0.0	0.2	-0.5	-0.3

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-274. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Feather River below Thermalito Afterbay Outlet, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
5	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-275. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Feather River Low Flow Channel below the Fish Barrier Dam, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	1.1	0.0	1.1	0.0	0.0	0.0	0.3	0.0	0.7	0.0
6	D	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
6	C	-0.2	0.0	0.0	0.2	0.0	-0.2	0.0	0.0	1.0	0.5	1.0	0.0
6	All	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.4	0.5	0.7	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.9	0.0
7	BN	0.0	0.0	6.5	0.0	3.6	0.0	0.0	0.0	2.6	0.0	3.4	0.0
7	D	0.0	0.0	5.3	0.0	2.2	0.0	0.0	0.0	2.0	0.0	2.1	0.0
7	C	0.8	-0.6	1.0	-1.2	1.0	0.0	1.4	0.4	0.8	-0.3	0.7	0.5
7	All	0.1	-0.1	2.5	-0.2	2.0	0.0	1.4	0.4	1.6	-0.3	1.4	0.5
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	2.2	0.0
8	BN	0.0	1.1	4.5	0.0	7.9	0.0	0.0	0.3	2.8	0.0	1.4	0.0
8	D	0.4	6.7	5.3	-1.0	8.1	-1.3	-0.2	0.7	0.8	0.1	1.9	-0.4
8	C	-0.2	8.3	-3.8	-2.6	2.8	-4.0	0.1	0.0	-1.2	0.7	-0.4	-0.1
8	All	0.1	3.1	1.4	-0.7	5.7	-1.0	-0.1	0.0	0.1	0.8	0.4	0.3
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0	2.2	0.0
9	BN	0.0	5.6	0.0	0.0	11.1	0.0	0.0	0.9	0.0	0.0	1.0	0.0
9	D	0.0	10.2	13.5	0.0	8.9	0.0	0.0	1.4	1.4	0.0	1.6	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-5.0	-1.7	-1.0	-11.3	5.4	-4.0	-0.3	0.9	0.5	-1.0	0.8	-0.4
9	All	-0.8	3.0	2.9	-1.8	6.8	-0.6	-0.3	0.5	0.4	-1.0	0.7	-0.4
10	W	0.0	0.3	0.9	0.0	0.2	0.0	0.0	1.0	0.5	0.0	0.0	0.0
10	AN	0.0	0.0	1.9	0.0	3.8	0.0	0.0	0.0	0.6	0.0	0.9	0.0
10	BN	-5.6	-5.2	-5.6	-5.6	-4.3	0.0	-1.5	-1.0	-1.5	-1.5	-1.3	-0.8
10	D	0.0	1.8	1.2	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0
10	C	-1.4	-2.0	-2.2	-2.2	2.8	-2.2	-0.4	-0.9	-0.9	-0.9	-0.3	-0.9
10	All	-1.3	-0.8	-0.6	-1.4	0.2	-0.4	-0.9	-1.0	-0.9	-1.4	-0.7	-0.6
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-276. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Feather River Low Flow Channel below the Fish Barrier Dam, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	1.1	0.0	1.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0
7	D	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.3	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	1.4	0.0	1.1	0.0	0.0	0.0	0.5	0.0	1.3	0.0
8	D	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0
8	C	0.2	0.2	-1.0	0.0	-1.0	-1.0	0.0	0.0	-1.0	-0.6	-1.0	-1.0
8	All	0.0	0.0	0.1	0.0	0.4	-0.2	0.0	0.0	-0.5	-0.6	0.1	-1.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	0.0	2.1	0.6	0.0	0.0	0.0	0.0	0.6	0.7	0.0	0.0	0.0
9	All	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.6	0.7	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-277. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Feather River below Thermalito Afterbay Outlet, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	-0.6	-0.6	-0.6	-0.6	0.0	0.3	-0.3	-0.3	-0.3	-0.3	0.0
3	C	0.0	0.0	1.0	0.0	1.2	0.0	0.0	0.0	0.4	0.0	0.8	0.0
3	All	0.0	-0.1	0.0	-0.1	0.1	0.0	0.3	-0.3	0.2	-0.3	0.6	0.0
4	W	-0.9	-0.9	-0.9	-0.9	-0.9	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0
4	AN	-1.1	-1.7	-1.7	-1.7	-1.7	4.4	-1.8	-2.3	-2.3	-2.3	-2.3	-1.2
4	BN	-4.3	-5.6	-5.6	-5.6	-5.6	12.4	-0.2	-0.5	-0.5	-0.5	-0.5	0.4
4	D	4.8	0.2	-2.4	2.3	-3.6	16.7	0.1	-0.1	-0.4	0.0	-1.0	0.1
4	C	1.9	-5.6	-10.2	1.5	-16.9	-1.7	-0.4	-0.3	-0.5	-0.3	-0.1	0.0
4	All	0.2	-2.4	-3.7	-0.7	-5.1	6.3	-0.2	-0.2	-0.4	-0.2	0.0	0.0
5	W	0.2	-0.3	-1.4	-1.4	-1.4	0.0	-0.4	-0.7	-0.9	-0.7	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	-4.0	-6.7	-8.1	-8.1	-8.3	3.0	-0.9	-1.1	-1.6	-1.6	-1.6	-0.5
5	BN	-3.4	-5.6	-5.2	-5.6	-4.5	0.5	-0.2	0.3	-0.1	0.3	-0.5	0.1
5	D	-5.0	-5.9	-6.7	-5.7	-5.1	-2.2	-0.7	-0.7	-0.6	-0.7	-0.7	-0.3
5	C	-6.7	1.8	-1.0	-9.1	10.7	-0.2	-0.3	0.0	0.0	-0.2	0.0	0.0
5	All	-3.3	-3.0	-4.0	-5.2	-1.7	-0.1	-0.4	-0.2	-0.2	-0.3	-0.2	-0.1
6	W	-2.1	-1.4	-4.8	-4.0	-5.7	-0.1	0.0	-0.1	-0.2	-0.2	-0.3	0.0
6	AN	-9.4	-13.6	-12.2	-18.6	-10.0	-1.1	-0.1	-0.1	-0.1	-0.2	0.3	0.1
6	BN	-4.8	-3.5	-1.7	-3.3	3.1	-0.4	-0.2	0.1	0.6	0.2	0.7	-0.1
6	D	6.8	15.8	20.0	14.5	20.9	1.1	0.2	0.3	0.7	0.4	0.8	0.1
6	C	1.0	2.5	5.8	2.9	7.3	0.6	0.0	0.5	0.6	0.2	0.9	0.0
6	All	-1.0	1.2	2.2	-0.4	3.5	0.1	0.0	0.2	0.4	0.1	0.5	0.0
7	W	-4.1	-6.6	-10.6	-11.3	-2.5	1.9	0.0	0.1	0.0	0.0	-0.1	0.0
7	AN	-0.3	7.5	14.5	3.5	23.4	0.8	0.1	0.3	1.7	0.8	3.0	0.3
7	BN	14.9	33.3	41.2	12.9	49.6	7.0	0.3	0.9	2.1	1.1	3.2	0.0
7	D	24.5	28.3	36.2	32.4	36.8	2.6	0.4	0.8	1.3	1.4	2.0	0.1
7	C	8.3	9.7	11.5	11.7	11.7	0.6	1.3	1.0	1.1	1.1	1.5	0.0
7	All	8.3	13.0	16.1	8.5	21.4	2.7	0.4	0.5	1.0	0.8	1.5	0.1
8	W	6.9	12.0	5.6	6.8	13.0	-1.3	0.1	0.5	0.6	0.6	1.0	-0.1
8	AN	1.3	4.3	15.3	11.3	25.3	5.4	-0.1	0.5	1.1	0.3	2.2	0.6
8	BN	3.9	9.7	18.6	7.9	24.6	2.0	0.1	1.1	1.3	0.9	1.6	0.4
8	D	19.5	18.3	22.4	15.1	24.0	2.6	0.4	0.6	0.0	0.3	0.2	-0.1
8	C	11.5	9.5	14.9	14.9	15.1	0.4	-0.3	0.2	-0.7	0.5	1.0	-0.1
8	All	9.2	11.7	14.5	10.7	19.5	1.3	0.1	0.6	0.4	0.6	1.0	0.1
9	W	1.4	-1.6	-1.2	-0.7	11.6	0.8	-0.3	-0.4	-0.9	-0.9	-1.7	0.0
9	AN	0.8	2.2	23.1	11.4	48.1	-0.3	-0.5	-1.4	-1.5	-2.3	-0.5	-0.3
9	BN	19.8	37.4	19.3	2.0	18.5	-0.2	0.4	0.8	0.3	0.3	1.2	-0.2
9	D	15.6	31.1	29.1	5.2	13.8	9.4	0.3	0.7	1.3	-0.2	1.3	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	7.9	-0.8	9.4	13.8	11.0	4.8	-0.5	-0.2	-0.4	-1.1	0.7	-0.3
9	All	9.0	13.5	14.0	5.0	17.7	3.1	-0.6	-0.5	-0.5	-0.9	0.0	-0.3
10	W	3.1	3.9	4.6	0.3	2.2	-0.5	-0.7	0.1	-0.1	0.2	0.7	0.6
10	AN	-3.0	-1.9	3.0	-3.8	3.2	-1.6	0.9	-0.3	0.1	-1.1	0.5	-0.1
10	BN	-3.8	2.0	3.2	-4.5	12.2	0.2	-4.1	-3.8	-3.6	-3.9	-2.9	-0.5
10	D	-1.9	3.8	2.5	-0.7	-2.9	-1.5	-0.8	-0.4	0.0	-0.8	-0.3	0.4
10	C	4.4	1.6	-0.6	1.0	11.9	0.8	0.3	-0.5	-0.4	-0.1	0.1	0.4
10	All	0.2	2.4	2.8	-1.2	4.6	-0.5	-0.9	-1.2	-1.2	-0.9	-0.6	0.4
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-278. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Feather River below Thermalito Afterbay Outlet, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
5	BN	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
5	D	-0.4	-0.4	-0.4	-0.4	-0.4	-0.1	-0.7	-0.7	-0.7	-0.7	-0.7	0.8
5	C	-0.4	-0.2	-0.2	-0.2	-0.4	0.0	-0.7	-0.7	-0.7	-1.2	-0.7	-0.3
5	All	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.7	-0.2	0.2
6	W	0.6	0.7	-0.4	-0.4	0.2	0.0	-0.2	-0.5	-0.8	-0.7	-0.6	0.1
6	AN	-3.9	-3.3	-2.8	-4.7	-1.4	0.8	-0.1	-0.1	0.0	0.3	-0.1	0.0
6	BN	-0.7	-0.2	6.1	0.9	7.0	0.0	0.4	0.5	0.2	0.5	0.6	-0.1
6	D	0.3	2.7	9.5	2.7	9.4	-0.9	-0.2	-0.1	0.1	-0.1	0.1	-0.1
6	C	0.6	6.0	8.8	1.9	15.4	-0.2	-0.3	0.2	0.0	0.0	0.2	0.1
6	All	-0.3	1.4	4.2	0.4	5.8	-0.1	-0.1	0.1	0.0	0.0	0.2	0.1
7	W	1.3	1.9	1.5	0.9	2.7	0.3	0.0	0.1	0.1	0.1	0.0	0.0
7	AN	0.0	7.3	21.5	9.7	33.6	4.8	-0.3	0.1	-0.1	0.0	0.5	-0.1
7	BN	3.8	8.4	18.3	7.9	38.5	0.2	0.0	0.0	0.4	-0.4	0.3	0.8
7	D	1.8	4.4	9.1	12.2	22.1	1.0	0.5	0.1	0.6	0.1	0.6	0.2
7	C	29.0	29.2	33.9	29.6	38.1	2.4	0.8	0.6	0.7	0.6	0.9	0.1
7	All	6.2	8.8	14.0	10.5	23.2	1.3	0.7	0.5	0.5	0.3	0.7	0.1
8	W	0.0	0.8	1.4	0.0	8.0	-2.7	0.1	0.0	0.0	0.1	0.0	0.1
8	AN	-1.9	3.0	11.0	-1.6	28.2	5.4	-0.1	0.9	0.6	0.9	1.2	0.9
8	BN	-0.4	9.1	9.5	5.9	17.2	4.7	-0.3	0.3	1.2	0.4	0.7	0.2
8	D	1.8	4.5	-6.0	-1.6	-3.1	-0.3	-0.4	-0.3	-0.4	-0.3	0.2	0.0
8	C	8.1	14.5	-6.3	18.3	22.0	0.2	-0.3	-0.1	-0.5	-0.1	0.6	-0.3
8	All	1.4	5.7	1.2	3.5	11.9	0.7	-0.1	-0.1	-0.2	0.0	0.3	-0.1
9	W	-0.3	-1.8	-2.3	-2.6	-3.4	0.3	-0.4	-0.4	-0.7	-0.6	-1.1	-0.1
9	AN	0.6	-0.8	0.0	-0.8	10.6	-0.3	-0.8	-0.5	-2.3	0.5	0.0	-0.5
9	BN	0.7	9.6	0.7	0.7	6.7	0.2	0.3	1.2	0.3	1.8	0.7	3.0
9	D	-0.5	-0.3	2.6	-0.5	4.1	-0.3	0.0	-1.0	-0.6	-1.0	0.1	1.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-8.1	-6.5	-7.3	-11.5	5.0	-1.7	0.7	0.5	-0.3	0.0	1.4	0.2
9	All	-1.3	0.0	-1.2	-2.7	3.2	-0.2	0.2	0.0	-0.6	-0.1	0.7	0.1
10	W	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	1.0	0.5	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	-3.4	-3.4	-3.4	-3.4	-3.2	-0.4	-0.9	-0.9	-0.9	-0.9	-0.9	-0.1
10	D	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
10	C	2.2	0.2	-0.2	0.0	1.6	0.2	-0.3	-0.2	-0.5	-0.4	-0.8	-0.3
10	All	-0.3	-0.5	-0.7	-0.6	-0.3	0.0	-0.2	-0.2	-0.4	-0.3	-0.7	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-279. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Feather River Low Flow Channel below the Fish Barrier Dam, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.2	0.4	0.4	0.4	-0.2	0.2	-0.1	-0.1	0.0	0.0	-0.2	0.0
1	D	-0.1	0.0	-2.1	-1.0	-2.2	-0.1	0.0	0.1	-0.3	-0.1	-0.3	-0.1
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.1	-0.4	-0.2	-0.5	0.0	0.0	0.0	0.2	0.1	0.1	0.0
2	W	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.3	0.0
2	AN	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	BN	-0.8	-0.4	-0.4	-0.4	-1.6	0.0	-0.1	0.0	0.1	0.0	0.1	0.0
2	D	0.0	0.2	-0.6	-0.3	-1.0	0.0	0.0	0.1	-0.3	-0.1	-0.3	0.0
2	C	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	All	-0.1	0.0	-0.2	-0.1	-0.4	0.0	0.0	0.0	0.1	0.0	0.1	0.0
3	W	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	AN	-9.9	-9.9	-9.9	-9.9	-9.9	-0.3	-0.8	-0.8	-0.8	-0.8	-0.8	-0.1
3	BN	-4.3	-9.1	-10.4	-8.4	-11.5	-2.2	-0.3	-0.3	-0.2	-0.3	-0.3	-0.1
3	D	-10.0	-12.5	-13.8	-12.9	-14.7	1.6	-0.1	-0.1	-0.2	-0.1	-0.3	0.0
3	C	-13.9	-16.3	-19.8	-8.7	-24.0	-2.0	-0.2	-0.4	-0.4	-0.3	-0.4	0.0
3	All	-6.5	-8.4	-9.4	-7.1	-10.5	-0.4	-0.2	-0.2	-0.3	-0.2	-0.3	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-280. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Feather River below Thermalito Afterbay Outlet, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.1	0.1	-0.2	0.0	0.0	0.1	0.1	0.0	-0.3	0.1
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	-0.4	-0.4	-0.2	-0.2	-0.4	0.0	-0.1	-0.1	-0.3	-0.3	-0.3	0.0
1	D	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.4	-0.4	-0.4	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	-0.1	-0.1	0.0	0.0	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.3	0.0
2	W	0.0	0.0	0.2	0.0	0.8	0.0	0.0	0.0	0.3	0.0	0.3	0.0
2	AN	0.3	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.3	-0.4	-0.1
2	BN	5.1	4.3	3.3	9.6	1.4	1.2	0.1	0.0	0.2	0.2	0.5	0.1
2	D	1.4	0.6	-2.1	-0.2	-1.4	0.2	-0.1	-0.1	0.1	-0.1	-0.1	0.0
2	C	7.9	11.5	11.7	8.6	10.2	0.0	0.4	0.1	0.1	0.4	0.1	0.0
2	All	2.6	2.8	2.1	3.1	1.8	0.3	0.0	-0.1	-0.1	0.0	-0.1	0.0
3	W	1.0	0.8	-0.5	0.1	-1.8	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	0.0
3	AN	-9.1	-8.9	-13.4	-8.3	-20.2	1.1	-0.3	-0.9	-1.3	-0.9	-1.5	0.2
3	BN	15.8	8.6	-4.7	12.9	-9.3	1.6	0.6	0.2	0.1	0.2	-0.2	0.3
3	D	14.4	6.0	0.0	9.8	-3.2	1.2	0.1	-0.1	-0.4	-0.1	-0.6	0.0
3	C	29.0	30.0	28.2	31.3	21.2	0.2	1.1	1.1	1.0	1.2	0.6	0.2
3	All	10.0	7.0	1.9	8.7	-2.0	0.7	0.4	0.3	0.1	0.3	-0.1	0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-281. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Feather River Low Flow Channel below the Fish Barrier Dam, 61 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	3.0	3.0	5.7	4.7	6.0	0.1	0.9	0.6	0.5	0.6	0.6	0.0
6	AN	-2.5	2.8	-2.8	-1.4	4.2	-2.5	-0.5	0.4	0.5	0.1	0.3	-0.7
6	BN	-1.1	-0.2	2.6	-1.5	1.9	-0.9	0.1	0.3	0.9	-0.1	1.2	0.0
6	D	-3.9	-9.4	-4.8	-6.1	-11.4	-3.2	0.0	0.2	0.3	0.3	-0.4	0.0
6	C	3.5	9.2	-4.0	0.0	-2.1	-1.0	-0.6	-0.1	-0.3	0.3	0.5	0.4
6	All	0.1	0.6	0.1	-0.4	-0.2	-1.3	-0.1	0.2	0.2	0.1	0.4	0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-282. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Feather River below Thermalito Afterbay Outlet, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	C	0.0	0.0	0.4	0.0	1.0	0.0	0.0	0.0	0.5	0.0	0.6	0.0
3	All	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.6	0.0
4	W	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	-0.6	-1.1	-1.1	-1.1	-1.1	3.9	-2.5	-3.0	-3.0	-3.0	-3.0	-1.8
4	BN	-3.0	-3.9	-3.9	-3.9	-3.9	10.0	-0.3	-0.5	-0.5	-0.5	-0.5	0.5
4	D	4.1	0.3	-2.1	2.3	-3.2	14.8	0.1	-0.2	-0.5	-0.1	-0.9	0.0
4	C	-1.3	-8.3	-11.7	-0.6	-15.2	-1.7	-0.3	-0.2	-0.4	-0.3	-0.1	0.0
4	All	-0.1	-2.3	-3.4	-0.6	-4.2	5.4	-0.2	-0.1	-0.3	-0.2	0.0	0.0
5	W	0.4	-0.3	-1.3	-1.3	-1.2	0.0	-0.6	-0.8	-0.9	-0.9	-0.5	0.0
5	AN	-4.0	-6.2	-7.8	-7.8	-7.8	2.2	-0.9	-1.1	-1.6	-1.6	-1.6	-0.5
5	BN	-3.6	-5.0	-4.8	-5.0	-4.3	0.5	-0.1	0.2	0.1	0.2	-0.4	0.1
5	D	-4.7	-5.6	-5.9	-5.6	-5.1	-1.8	-0.8	-0.7	-0.7	-0.7	-0.8	-0.4
5	C	-6.7	1.8	-1.4	-8.9	10.1	0.2	-0.3	0.0	0.1	-0.2	0.0	0.0
5	All	-3.2	-2.7	-3.8	-5.0	-1.6	0.0	-0.5	-0.2	-0.2	-0.3	-0.2	-0.1
6	W	-1.9	-1.3	-3.7	-2.4	-5.8	-0.2	0.0	-0.1	-0.3	-0.3	-0.3	0.0
6	AN	-7.2	-11.4	-9.7	-15.6	-4.4	1.4	-0.1	-0.2	-0.2	-0.3	0.1	0.1
6	BN	-3.0	-2.8	-1.9	-3.7	2.6	2.4	-0.2	0.1	0.5	0.2	0.6	-0.2
6	D	5.6	14.7	16.5	13.2	18.5	0.9	0.2	0.3	0.8	0.4	0.8	0.1
6	C	0.4	2.9	6.7	3.5	6.9	1.0	0.0	0.4	0.5	0.2	0.9	0.0
6	All	-0.7	1.5	2.1	0.2	3.4	0.9	0.0	0.1	0.4	0.1	0.5	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-283. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Feather River Low Flow Channel below the Fish Barrier Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0
8	BN	0.0	0.0	2.5	0.0	1.3	0.0	0.0	0.0	1.1	0.0	2.1	0.0
8	D	0.0	0.0	0.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	1.6	0.0
8	C	-0.8	0.6	-2.2	-1.0	-1.0	-1.2	0.7	-0.3	-1.2	0.0	-1.0	-0.8
8	All	-0.1	0.1	0.2	-0.2	1.3	-0.2	0.7	-0.3	-0.2	0.0	-0.2	-0.8
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	1.1	0.0	2.1	0.0	0.0	0.0	0.1	0.0	0.4	0.0
9	C	0.2	2.7	0.6	0.0	2.1	0.0	0.0	1.3	1.7	0.0	0.5	0.0
9	All	0.0	0.4	0.3	0.0	1.4	0.0	0.0	1.3	0.6	0.0	0.5	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-284. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Feather River Low Flow Channel below the Fish Barrier Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-285. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Feather River below Thermalito Afterbay Outlet, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-0.9	5.5	9.0	10.5	19.8	-4.6	0.1	-0.1	-0.1	-0.2	0.0	0.0
8	AN	-4.0	7.5	19.4	1.3	45.7	10.8	-0.5	0.3	0.4	-0.3	0.8	0.4
8	BN	-2.0	15.1	21.9	13.8	30.8	5.0	0.0	0.6	0.8	0.5	0.9	0.6
8	D	12.2	15.7	1.5	9.7	0.0	-0.7	-0.4	-0.3	-0.6	-0.5	-0.2	0.0
8	C	-1.6	7.7	-9.3	20.0	13.9	-4.2	0.1	0.3	-0.3	0.1	0.9	-0.1
8	All	1.3	10.1	8.0	11.4	19.6	0.0	0.0	0.0	-0.2	-0.2	0.2	0.0
9	W	0.3	-1.1	-2.2	-2.3	-3.9	0.2	-0.5	-0.6	-0.8	-0.8	-1.1	0.0
9	AN	0.3	-0.3	5.6	-0.8	16.7	0.0	-0.1	-1.8	-2.2	-0.8	-0.3	-0.8
9	BN	3.1	12.0	4.8	1.1	10.4	0.2	0.5	1.8	0.6	2.2	1.3	4.0
9	D	0.6	3.5	7.7	-0.2	6.1	0.2	-1.5	-1.3	-1.0	-1.1	-0.2	-0.5
9	C	-6.5	-5.0	-0.4	-12.1	6.7	-3.1	0.1	0.1	-0.7	-0.3	1.1	0.3
9	All	-0.2	1.8	2.6	-2.6	5.2	-0.4	-0.4	-0.3	-1.0	-0.5	0.4	0.1
10	W	-0.1	0.3	0.2	0.1	0.2	0.0	0.0	0.8	0.3	1.5	1.3	0.0
10	AN	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	-4.5	-4.5	-4.5	-4.5	-3.8	-1.1	-1.5	-1.5	-1.5	-1.5	-0.8	0.2
10	D	0.0	0.3	0.4	0.0	0.0	0.3	0.0	1.0	0.3	0.0	0.0	0.0
10	C	2.8	0.4	-0.2	0.0	4.0	2.0	-0.1	-0.2	-0.5	-0.4	-0.7	-0.7
10	All	-0.4	-0.6	-0.7	-0.8	0.0	0.2	-0.1	-0.3	-0.7	-0.2	-0.6	-0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-286. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Feather River below Thermalito Afterbay Outlet, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.5	0.0	0.0	7.5	1.1	0.0	0.0	0.0	0.0	1.1	0.0
8	BN	0.0	0.0	2.9	0.0	2.2	0.0	0.0	0.0	1.4	0.0	1.5	0.0
8	D	-0.6	-0.6	-0.6	-0.6	0.6	-0.1	-0.5	-0.5	-0.5	-0.5	-0.1	-0.5
8	C	-5.6	-0.2	-6.9	-0.8	11.9	-4.8	-0.3	0.7	-0.3	0.0	0.5	-0.2
8	All	-1.1	-0.1	-0.7	-0.3	3.4	-0.7	-0.3	0.7	0.4	0.1	0.5	-0.3
9	W	-0.3	-0.4	-0.4	-0.4	-0.4	-0.1	0.8	-0.3	-0.3	-0.3	-0.3	0.1
9	AN	0.0	-0.6	-0.6	-0.3	4.7	0.0	0.0	-0.5	-0.5	-0.5	1.1	0.0
9	BN	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	1.0	0.0	1.0
9	D	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
9	C	2.3	1.0	-1.5	-2.1	10.6	-0.2	-0.2	1.4	0.0	-0.7	0.6	-0.4
9	All	0.3	0.0	-0.4	-0.5	2.2	0.0	0.0	1.5	0.1	-0.1	0.8	-0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-287. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Feather River Low Flow Channel below the Fish Barrier Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.6	11.9	0.3	16.9	0.0	0.0	0.5	1.9	1.0	6.1	0.0
9	BN	11.3	16.9	11.9	0.6	20.2	-0.4	0.6	1.9	0.7	-0.8	2.4	-1.0
9	D	-0.8	20.5	24.4	3.9	8.6	0.8	-0.7	3.2	3.1	0.4	4.8	0.0
9	C	0.6	-2.9	10.0	-8.5	7.7	-1.0	-1.1	0.7	-0.3	-2.0	0.5	-0.6
9	All	2.0	7.3	10.7	-0.4	9.0	-0.1	-1.2	0.3	-0.3	-2.1	1.0	-0.7
10	W	4.4	4.4	6.6	-0.8	2.6	-0.8	0.4	0.3	0.5	-0.7	1.2	-0.7
10	AN	-4.6	-4.6	1.1	-4.6	7.8	-0.5	-0.7	-0.7	1.8	-0.7	1.7	-0.2
10	BN	-2.7	3.6	7.2	-5.4	18.8	0.0	-4.0	-3.6	-3.5	-4.9	-3.1	-0.8
10	D	2.1	7.5	7.5	6.5	-1.0	-1.5	-0.7	0.6	-0.2	-1.3	-1.3	-1.1
10	C	7.1	1.4	1.8	-0.6	15.7	0.4	-1.0	-1.4	-1.4	-1.1	-0.3	-0.5
10	All	1.9	3.4	5.4	-0.4	7.5	-0.6	-1.5	-1.2	-1.3	-1.9	-0.7	-0.2
11	W	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.8	-0.8	-0.8	-0.8	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.2	0.2
11	BN	-1.1	-1.1	-1.1	-1.1	-0.9	0.9	-1.8	-1.8	-1.8	-1.8	-1.8	-0.2
11	D	0.2	0.0	0.9	1.4	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0
11	C	2.5	0.0	0.0	0.0	0.0	1.5	0.6	0.0	0.0	0.0	0.0	0.6
11	All	0.2	-0.3	-0.1	0.0	-0.2	0.4	-0.8	-1.3	-0.5	-1.0	-1.0	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-288. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Feather River below Thermalito Afterbay Outlet, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	2.2	2.9	12.4	6.7	42.3	0.8	0.0	-0.5	-0.7	-0.5	-0.4	0.1
9	AN	1.1	17.2	61.1	24.4	85.0	0.0	-0.2	-1.4	-0.6	-0.6	0.7	-0.4
9	BN	50.4	55.0	59.6	39.3	54.4	14.1	0.6	1.6	0.5	-0.4	0.7	-0.4
9	D	20.6	23.0	21.5	13.6	11.7	10.8	0.5	1.3	1.5	0.2	0.7	0.2
9	C	7.7	5.0	5.6	10.2	8.5	1.9	-0.1	-0.3	0.2	-0.2	0.8	0.0
9	All	16.0	19.1	28.0	17.0	37.4	5.5	0.1	0.3	0.2	-0.3	0.4	-0.1
10	W	13.0	14.1	12.0	13.1	10.0	1.2	-1.0	-0.5	-0.2	-1.3	-0.8	-1.3
10	AN	2.7	7.8	15.1	-1.6	24.2	-0.5	-2.2	-1.7	-1.1	-2.2	-0.8	-0.3
10	BN	2.3	18.6	22.8	-2.0	26.3	-0.7	-3.1	-2.4	-2.2	-3.0	-1.4	0.1
10	D	5.3	11.1	7.0	13.8	2.6	-4.0	-0.9	0.0	0.2	-0.7	-1.5	0.5
10	C	5.0	3.8	17.7	1.4	18.5	4.2	0.7	-0.1	-0.7	0.0	0.6	0.1
10	All	6.7	11.8	14.2	6.8	14.5	0.0	-1.0	-0.8	-0.8	-1.2	-0.4	-0.1
11	W	0.3	0.7	0.8	0.1	0.8	0.0	1.0	0.5	0.6	0.0	1.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0
11	BN	-0.6	-0.4	-0.4	-0.6	0.0	0.7	-1.3	-1.3	-1.3	-1.3	-0.3	0.2
11	D	0.0	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
11	C	0.0	0.2	1.0	0.0	1.3	0.0	0.0	0.0	0.6	0.0	0.3	0.0
11	All	0.0	0.2	0.6	0.0	0.5	0.1	-0.3	-1.0	-0.7	-1.3	-0.6	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Green Sturgeon

Table H1b-289. Summary of Potential Effects of Flow Scenarios on Green Sturgeon, Feather River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Spawning, Egg Incubation, and Alevins						
[a] Favorable	0.0%	8.0%	8.0%	9.3%	8.0%	0.0%
[b] Unfavorable	2.7%	9.3%	17.3%	9.3%	16.0%	0.0%
Non-Spawning Adult Presence						
Favorable	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%
Unfavorable	0.8%	3.3%	5.0%	0.8%	8.3%	2.5%
Larval and Juvenile Rearing and Emigration						
Favorable	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%
Unfavorable	2.2%	4.4%	6.7%	3.3%	11.1%	2.2%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-290. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Feather River Low Flow Channel below the Fish Barrier Dam, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	-0.2	0.0	0.0	0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.7	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	1.0	0.5	1.0	0.0
6	All	0.0	0.0	6.5	0.0	3.6	0.0	0.0	0.0	0.4	0.5	0.7	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	5.3	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.8	-0.6	1.0	-1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
7	BN	0.1	-0.1	2.5	-0.2	2.0	0.0	0.0	0.0	2.6	0.0	3.4	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.1	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.4	0.8	-0.3	0.7	0.5
7	All	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.4	1.6	-0.3	1.4	0.5

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-291. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Feather River below Thermalito Afterbay Outlet, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	0.0	-0.6	-0.6	-0.6	-0.6	0.0	0.3	-0.3	-0.3	-0.3	-0.3	0.0
3	C	0.0	0.0	1.0	0.0	1.2	0.0	0.0	0.0	0.4	0.0	0.8	0.0
3	All	0.0	-0.1	0.0	-0.1	0.1	0.0	0.3	-0.3	0.2	-0.3	0.6	0.0
4	W	-0.9	-0.9	-0.9	-0.9	-0.9	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	0.0
4	AN	-1.1	-1.7	-1.7	-1.7	-1.7	4.4	-1.8	-2.3	-2.3	-2.3	-2.3	-1.2
4	BN	-4.3	-5.6	-5.6	-5.6	-5.6	12.4	-0.2	-0.5	-0.5	-0.5	-0.5	0.4
4	D	4.8	0.2	-2.4	2.3	-3.6	16.7	0.1	-0.1	-0.4	0.0	-1.0	0.1
4	C	1.9	-5.6	-10.2	1.5	-16.9	-1.7	-0.4	-0.3	-0.5	-0.3	-0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	All	0.2	-2.4	-3.7	-0.7	-5.1	6.3	-0.2	-0.2	-0.4	-0.2	0.0	0.0
5	W	0.2	-0.3	-1.4	-1.4	-1.4	0.0	-0.4	-0.7	-0.9	-0.7	-0.4	0.0
5	AN	-4.0	-6.7	-8.1	-8.1	-8.3	3.0	-0.9	-1.1	-1.6	-1.6	-1.6	-0.5
5	BN	-3.4	-5.6	-5.2	-5.6	-4.5	0.5	-0.2	0.3	-0.1	0.3	-0.5	0.1
5	D	-5.0	-5.9	-6.7	-5.7	-5.1	-2.2	-0.7	-0.7	-0.6	-0.7	-0.7	-0.3
5	C	-6.7	1.8	-1.0	-9.1	10.7	-0.2	-0.3	0.0	0.0	-0.2	0.0	0.0
5	All	-3.3	-3.0	-4.0	-5.2	-1.7	-0.1	-0.4	-0.2	-0.2	-0.3	-0.2	-0.1
6	W	-2.1	-1.4	-4.8	-4.0	-5.7	-0.1	0.0	-0.1	-0.2	-0.2	-0.3	0.0
6	AN	-9.4	-13.6	-12.2	-18.6	-10.0	-1.1	-0.1	-0.1	-0.1	-0.2	0.3	0.1
6	BN	-4.8	-3.5	-1.7	-3.3	3.1	-0.4	-0.2	0.1	0.6	0.2	0.7	-0.1
6	D	6.8	15.8	20.0	14.5	20.9	1.1	0.2	0.3	0.7	0.4	0.8	0.1
6	C	1.0	2.5	5.8	2.9	7.3	0.6	0.0	0.5	0.6	0.2	0.9	0.0
6	All	-1.0	1.2	2.2	-0.4	3.5	0.1	0.0	0.2	0.4	0.1	0.5	0.0
7	W	-4.1	-6.6	-10.6	-11.3	-2.5	1.9	0.0	0.1	0.0	0.0	-0.1	0.0
7	AN	-0.3	7.5	14.5	3.5	23.4	0.8	0.1	0.3	1.7	0.8	3.0	0.3
7	BN	14.9	33.3	41.2	12.9	49.6	7.0	0.3	0.9	2.1	1.1	3.2	0.0
7	D	24.5	28.3	36.2	32.4	36.8	2.6	0.4	0.8	1.3	1.4	2.0	0.1
7	C	8.3	9.7	11.5	11.7	11.7	0.6	1.3	1.0	1.1	1.1	1.5	0.0
7	All	8.3	13.0	16.1	8.5	21.4	2.7						

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-292. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Feather River at Gridley, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	-0.4	-1.2	-1.5	-1.0	-1.5	0.0	0.1	-0.1	-0.6	-0.3	-0.6	0.0
3	C	-0.2	0.6	1.0	-0.2	1.0	0.4	0.0	0.3	1.2	0.0	1.3	0.3
3	All	-0.1	-0.2	-0.2	-0.3	-0.2	0.1	0.2	-0.2	0.6	-0.2	0.8	0.0
4	W	-2.4	-2.6	-2.6	-2.6	-2.6	0.0	-0.8	-0.8	-0.8	-0.8	-0.8	0.0
4	AN	-4.4	-5.3	-5.3	-5.3	-5.3	5.8	0.0	-1.0	-1.0	-1.0	-1.0	0.3
4	BN	-10.6	-14.1	-14.3	-14.3	-14.3	15.2	-0.2	-0.9	-0.9	-0.9	-0.9	0.3
4	D	3.5	-7.1	-10.0	-3.2	-12.1	20.0	0.2	0.3	-0.2	0.3	-0.4	0.3
4	C	4.0	-2.5	-12.5	4.8	-21.3	-1.7	-0.2	-0.3	-0.3	-0.2	-0.2	0.0
4	All	-1.8	-6.0	-8.3	-4.0	-10.2	7.7	0.0	0.0	-0.1	0.1	0.0	0.1
5	W	-0.1	-1.9	-4.4	-4.3	-4.9	0.1	-0.3	-0.4	-0.6	-0.7	-0.6	0.0
5	AN	-10.2	-19.4	-22.8	-21.8	-24.2	1.6	-0.4	-0.6	-0.8	-0.9	-1.0	-0.1
5	BN	-10.8	-16.7	-17.2	-16.3	-19.5	-4.8	-0.2	-0.4	-0.3	-0.4	-0.2	0.0
5	D	-4.5	-8.4	-9.8	-8.5	-9.8	-5.7	-0.4	-0.4	-0.4	-0.3	-0.3	-0.1
5	C	-0.6	2.8	6.3	-4.0	7.7	-5.4	-0.2	0.2	-0.1	-0.2	0.2	0.1
5	All	-4.4	-7.4	-8.5	-9.5	-9.0	-2.8	-0.3	0.0	-0.1	-0.2	0.1	0.0
6	W	-3.6	-6.0	-8.2	-7.6	-11.9	0.0	-0.1	-0.1	-0.3	-0.3	-0.3	0.0
6	AN	0.0	-6.7	-8.1	-10.6	-1.7	4.2	-0.5	-0.4	-0.3	-0.6	-0.2	0.1
6	BN	-3.9	-3.9	-3.7	-5.0	-3.1	0.6	-0.3	0.0	0.4	0.1	0.6	0.0
6	D	2.6	6.2	6.7	6.4	6.7	0.8	0.5	0.8	1.2	0.9	1.3	0.0
6	C	1.9	4.2	6.3	4.4	5.4	2.1	0.3	0.7	0.7	0.5	1.0	0.0
6	All	-0.9	-1.3	-1.7	-2.4	-2.0	1.1	0.1	0.3	0.5	0.2	0.6	0.0
7	W	-1.0	-1.7	-2.3	-1.9	-0.3	0.1	-0.2	-0.1	-0.4	-0.5	-0.2	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	AN	0.8	3.2	2.2	0.8	3.5	1.3	0.1	0.4	2.1	0.8	3.9	0.2
7	BN	8.1	10.0	10.9	8.8	11.5	5.0	0.5	1.6	3.2	1.0	4.7	0.1
7	D	7.0	8.5	10.0	9.5	10.0	-1.9	1.3	2.1	3.0	2.5	3.6	0.2
7	C	4.6	5.2	5.4	5.4	5.4	0.8	1.6	1.5	1.7	1.7	2.0	0.0
7	All	3.6	4.5	4.7	4.1	5.6	0.8	0.6	1.0	1.6	1.0	2.4	0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-293. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Feather River Low Flow Channel below the Fish Barrier Dam, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
8	BN	0.0	0.0	2.3	0.0	1.3	0.0	0.0	0.0	1.1	0.0	2.0	0.0
8	D	0.0	0.0	0.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	1.5	0.0
8	C	-0.8	0.2	-2.2	-1.0	-1.4	-1.4	0.6	-0.2	-1.1	0.1	-0.8	-0.6
8	All	-0.1	0.0	0.1	-0.2	1.2	-0.2	0.6	-0.2	-0.2	0.1	-0.1	-0.6
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.5	0.0	2.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0
9	C	0.2	2.5	0.6	0.0	1.9	0.0	0.0	1.3	1.7	0.0	0.3	0.0
9	All	0.0	0.4	0.2	0.0	1.3	0.0	0.0	1.3	1.0	0.0	0.4	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-294. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Feather River Low Flow Channel below the Fish Barrier Dam, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-295. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Feather River below Thermalito Afterbay Outlet, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	2.2	13.8	17.5	20.1	28.6	-2.9	0.0	-0.2	-0.2	-0.3	-0.1	-0.1
8	AN	-2.7	5.9	23.4	5.1	54.8	11.0	-0.4	0.5	0.5	-0.2	1.0	0.6
8	BN	0.4	24.7	33.0	22.8	39.6	6.3	-0.2	0.3	0.5	0.3	0.7	0.4
8	D	17.2	21.4	7.9	14.1	7.0	-2.9	-0.3	-0.2	-0.6	-0.4	-0.3	0.1
8	C	1.8	8.7	-4.4	23.4	22.4	0.4	0.0	0.3	-0.4	0.0	0.6	-0.2
8	All	4.5	15.7	15.3	17.9	28.0	1.0	-0.1	-0.1	-0.3	-0.2	0.1	-0.1
9	W	0.7	-1.0	-1.8	-2.3	-4.1	0.2	-0.5	-0.6	-0.9	-0.8	-1.1	0.0
9	AN	0.3	0.0	8.3	-0.6	20.0	0.0	0.0	-2.0	-2.4	-1.5	-0.7	-0.8
9	BN	4.6	12.8	5.7	1.1	10.6	0.6	0.7	2.1	0.9	2.5	1.7	1.7

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	D	2.0	5.9	11.5	-0.2	7.0	0.2	-1.4	-1.2	-0.9	-1.0	0.0	-0.4
9	C	-3.1	-4.8	2.7	-9.2	6.7	-2.9	-0.3	0.0	-0.8	-0.8	1.1	0.2
9	All	1.0	2.6	4.6	-2.1	5.8	-0.3	-0.6	-0.4	-1.1	-0.8	0.3	0.1
10	W	-0.1	0.4	0.4	0.1	0.5	0.0	-1.0	0.2	-0.2	1.0	0.0	0.0
10	AN	-0.5	-0.5	-0.5	-0.5	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.5
10	BN	-5.0	-5.0	-4.8	-5.0	-1.6	-0.5	-2.1	-2.1	-2.1	-2.1	-1.5	-0.1
10	D	-0.1	0.9	0.6	-0.1	-0.1	0.4	0.0	1.0	0.8	0.0	0.0	0.5
10	C	2.4	0.0	-1.0	0.8	4.4	2.0	0.4	0.2	0.1	-0.3	-0.1	-0.2
10	All	-0.7	-0.7	-0.9	-0.9	0.6	0.3	0.2	-0.4	-0.7	-0.5	-0.7	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-296. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Feather River below Thermalito Afterbay Outlet, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0
8	All	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
9	All	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-297. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Feather River at Gridley, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	4.6	6.8	-7.7	-2.7	8.4	-1.5	0.0	0.3	0.5	0.5	0.5	-0.1
8	AN	2.4	4.8	23.9	8.9	55.1	6.7	-0.3	0.4	0.5	0.0	1.5	0.5
8	BN	9.9	31.2	47.1	26.9	64.5	7.7	0.0	0.8	0.9	1.0	1.2	0.5

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	D	28.0	36.2	41.2	31.1	44.6	0.7	-0.2	-0.1	-0.3	-0.2	-0.1	0.0
8	C	10.3	13.1	15.5	21.8	25.8	2.6	0.0	0.3	-0.6	0.3	0.6	-0.2
8	All	11.5	18.7	21.0	15.7	35.4	2.4	-0.1	0.2	0.1	0.3	0.5	0.0
9	W	0.6	-1.4	-1.9	-1.4	1.3	0.0	-0.1	-0.2	-0.3	-0.5	-1.0	0.1
9	AN	0.0	0.8	10.3	1.4	28.6	0.0	0.4	-1.1	-1.1	-1.5	0.0	-0.4
9	BN	7.4	13.9	7.6	1.1	13.1	-0.7	0.6	2.1	1.0	1.0	1.8	1.3
9	D	6.2	17.1	21.4	0.3	10.3	1.1	-0.8	-0.6	-0.2	-0.3	0.5	-0.3
9	C	3.5	3.8	8.8	-0.6	12.9	2.1	-0.6	-0.4	-0.7	-1.1	0.4	-0.3
9	All	3.5	6.7	8.3	-0.1	10.7	0.4	-0.6	-0.5	-0.7	-0.8	0.1	-0.1
10	W	0.0	0.8	0.6	0.3	1.0	0.2	0.0	1.3	1.5	1.3	1.2	0.0
10	AN	-0.5	-0.5	-0.5	-0.5	2.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.1	-0.5
10	BN	-5.0	-4.7	-4.8	-5.0	0.7	-0.4	-2.5	-2.0	-1.5	-2.5	-1.7	-0.2
10	D	-0.7	0.3	1.2	-0.4	-0.7	-0.1	-0.6	0.5	0.1	-0.1	-0.6	0.2
10	C	1.8	-0.8	-2.0	0.2	6.9	1.2	1.0	0.3	0.9	0.4	0.3	0.6
10	All	-0.9	-0.8	-0.8	-1.0	1.7	0.1	0.4	-0.5	-0.5	-0.3	-0.7	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-298. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Feather River at Gridley, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	1.8	0.0	1.3	0.0	0.0	0.0	0.5	0.0	0.9	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-0.4	2.0	-0.4	0.8	5.2	-0.4	-0.5	-0.3	-0.5	0.2	0.0	-0.5
8	All	-0.1	0.3	0.3	0.1	1.2	-0.1	-0.5	-0.3	0.0	0.2	0.0	-0.5
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	1.5	0.0	0.0	0.4	0.0	0.0	0.7	0.0	0.0	0.0	0.0
9	All	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.7	0.0	0.0	0.3	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-299. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Feather River Low Flow Channel below the Fish Barrier Dam, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	2.7	0.0	2.2	0.0	0.0	0.0	1.0	0.0	1.1	0.0
7	D	0.0	0.0	1.8	0.0	0.9	0.0	0.0	0.0	0.8	0.0	1.2	0.0
7	C	1.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
7	All	0.2	0.0	0.9	0.0	0.6	0.0	0.6	0.0	0.9	0.0	1.1	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
8	BN	0.0	0.0	2.3	0.0	1.3	0.0	0.0	0.0	1.1	0.0	2.0	0.0
8	D	0.0	0.0	0.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	1.5	0.0
8	C	-0.8	0.2	-2.2	-1.0	-1.4	-1.4	0.6	-0.2	-1.1	0.1	-0.8	-0.6
8	All	-0.1	0.0	0.1	-0.2	1.2	-0.2	0.6	-0.2	-0.2	0.1	-0.1	-0.6
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.5	0.0	2.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	0.2	2.5	0.6	0.0	1.9	0.0	0.0	1.3	1.7	0.0	0.3	0.0
9	All	0.0	0.4	0.2	0.0	1.3	0.0	0.0	1.3	1.0	0.0	0.4	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-300. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Feather River below Thermalito Afterbay Outlet, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-2.0	-2.0	-2.0	-2.0	-2.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	-0.2	-0.2	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-1.7	-1.5	-1.7	-1.5	-1.7	-0.4	-0.7	-0.2	-0.7	-0.2	-0.7	0.2
4	All	-0.3	-0.3	-0.4	-0.3	-0.4	-0.1	-0.8	-0.3	-0.8	-0.5	-0.8	0.3
5	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	-1.3	-1.3	-1.3	-1.3	-1.3	-0.3	-2.4	-2.4	-2.4	-2.4	-2.4	-1.9
5	BN	-0.4	-0.5	-0.7	-0.5	-0.9	0.2	-0.4	-0.9	-0.4	-0.9	-1.4	-0.4
5	D	-2.3	-2.3	-2.1	-2.3	-2.3	-1.2	-1.3	-1.3	-0.8	-1.3	-1.3	0.3
5	C	-2.2	-0.2	0.0	-2.2	1.4	0.0	0.3	0.0	-0.6	0.6	-0.6	0.0
5	All	-1.2	-0.9	-0.8	-1.2	-0.7	-0.3	-0.1	-0.2	-0.7	0.0	-0.7	-0.2
6	W	-1.0	-2.0	-3.2	-3.6	-3.8	-0.4	0.2	0.2	0.1	0.2	0.3	0.0
6	AN	-2.8	-6.9	-8.3	-11.4	2.5	2.5	-0.4	-0.3	0.0	-0.3	-0.1	0.0
6	BN	-7.6	-0.4	8.3	0.9	10.0	-2.2	0.1	0.1	0.4	0.1	0.6	0.0
6	D	6.1	13.0	21.1	13.5	23.3	1.1	-0.2	0.0	0.2	-0.1	0.2	-0.1
6	C	4.8	11.9	15.0	8.3	20.2	-0.8	-0.2	0.2	0.2	0.0	0.4	0.1
6	All	0.1	3.3	6.7	2.1	9.5	-0.1	-0.1	0.1	0.2	0.0	0.4	0.0
7	W	-1.2	2.9	-3.2	-2.5	-0.2	2.8	0.0	0.1	0.0	0.0	0.1	0.0
7	AN	1.1	8.9	42.5	18.0	81.2	8.6	-0.3	1.0	0.7	0.7	0.8	0.6
7	BN	8.6	21.1	56.5	22.4	84.4	0.9	0.3	0.2	0.3	0.1	0.6	0.2
7	D	13.9	25.2	45.6	52.2	64.7	5.7	-0.1	0.0	0.0	0.0	0.4	0.1
7	C	23.0	18.1	19.4	25.6	25.2	0.4	0.9	0.9	1.0	0.7	1.2	0.0
7	All	8.2	14.5	28.0	21.5	44.0	3.4	0.4	0.4	0.4	0.3	0.6	0.0
8	W	2.2	13.8	17.5	20.1	28.6	-2.9	0.0	-0.2	-0.2	-0.3	-0.1	-0.1
8	AN	-2.7	5.9	23.4	5.1	54.8	11.0	-0.4	0.5	0.5	-0.2	1.0	0.6
8	BN	0.4	24.7	33.0	22.8	39.6	6.3	-0.2	0.3	0.5	0.3	0.7	0.4
8	D	17.2	21.4	7.9	14.1	7.0	-2.9	-0.3	-0.2	-0.6	-0.4	-0.3	0.1
8	C	1.8	8.7	-4.4	23.4	22.4	0.4	0.0	0.3	-0.4	0.0	0.6	-0.2
8	All	4.5	15.7	15.3	17.9	28.0	1.0	-0.1	-0.1	-0.3	-0.2	0.1	-0.1
9	W	0.7	-1.0	-1.8	-2.3	-4.1	0.2	-0.5	-0.6	-0.9	-0.8	-1.1	0.0
9	AN	0.3	0.0	8.3	-0.6	20.0	0.0	0.0	-2.0	-2.4	-1.5	-0.7	-0.8
9	BN	4.6	12.8	5.7	1.1	10.6	0.6	0.7	2.1	0.9	2.5	1.7	1.7
9	D	2.0	5.9	11.5	-0.2	7.0	0.2	-1.4	-1.2	-0.9	-1.0	0.0	-0.4

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-3.1	-4.8	2.7	-9.2	6.7	-2.9	-0.3	0.0	-0.8	-0.8	1.1	0.2
9	All	1.0	2.6	4.6	-2.1	5.8	-0.3	-0.6	-0.4	-1.1	-0.8	0.3	0.1
10	W	-0.1	0.4	0.4	0.1	0.5	0.0	-1.0	0.2	-0.2	1.0	0.0	0.0
10	AN	-0.5	-0.5	-0.5	-0.5	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.5
10	BN	-5.0	-5.0	-4.8	-5.0	-1.6	-0.5	-2.1	-2.1	-2.1	-2.1	-1.5	-0.1
10	D	-0.1	0.9	0.6	-0.1	-0.1	0.4	0.0	1.0	0.8	0.0	0.0	0.5
10	C	2.4	0.0	-1.0	0.8	4.4	2.0	0.4	0.2	0.1	-0.3	-0.1	-0.2
10	All	-0.7	-0.7	-0.9	-0.9	0.6	0.3	0.2	-0.4	-0.7	-0.5	-0.7	-0.2
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-301. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Feather River at Gridley, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	-0.3	-0.3	-0.3	-0.3	-0.3	0.3	-2.0	-2.0	-2.0	-2.0	-2.0	-1.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.4
4	D	0.8	-0.5	-0.6	0.0	-0.6	1.4	-0.3	-0.8	-0.8	0.0	-0.8	-0.2
4	C	-0.8	-1.0	-2.1	-0.4	-1.7	-1.0	-0.3	-0.1	-0.2	-0.2	-0.1	0.2
4	All	0.0	-0.3	-0.5	-0.1	-0.4	0.3	-0.3	-0.3	-0.3	-0.2	-0.1	-0.1
5	W	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	-0.6	-0.6	-0.6	-0.6	-0.6	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	-2.2	-2.7	-2.7	-2.7	-2.7	-0.3	-0.7	-1.2	-1.2	-1.2	-1.2	-0.4
5	BN	-0.9	-1.1	-1.3	-1.1	-1.4	0.4	0.2	0.1	-0.2	0.1	-0.2	-0.5
5	D	-2.8	-2.5	-2.9	-2.5	-2.8	-1.8	-0.2	-0.2	0.0	-0.3	-0.4	0.1
5	C	-0.8	2.4	3.2	-1.0	4.6	-0.4	-0.3	0.1	-0.2	-0.4	-0.1	0.0
5	All	-1.3	-0.9	-0.9	-1.4	-0.6	-0.4	-0.2	0.1	-0.1	-0.3	-0.1	-0.1
6	W	-5.0	-7.3	-9.4	-9.1	-11.6	-0.4	0.1	0.1	0.0	0.0	0.1	0.0
6	AN	-6.9	-6.4	-7.5	-12.2	-1.9	3.1	-0.1	-0.3	-0.2	-0.3	0.1	0.2
6	BN	-5.0	0.9	6.9	1.9	9.8	0.2	-0.1	0.0	0.3	0.1	0.4	0.0
6	D	13.5	18.5	27.7	20.8	28.9	2.6	0.1	0.3	0.5	0.3	0.5	-0.1
6	C	7.9	12.7	16.0	9.4	16.7	1.7	0.2	0.5	0.4	0.3	0.7	0.0
6	All	1.0	3.4	6.3	2.2	7.2	1.1	0.1	0.2	0.3	0.2	0.5	0.0
7	W	-6.8	-6.2	-12.7	-11.9	-10.6	4.7	0.0	0.2	0.1	0.0	0.2	0.0
7	AN	5.6	1.9	45.2	15.3	78.8	1.9	0.0	1.4	1.6	1.3	2.1	0.9
7	BN	8.8	32.4	64.0	25.1	89.2	0.7	1.0	1.2	2.0	1.2	2.4	0.2
7	D	41.9	56.6	71.7	64.4	76.8	2.5	-0.2	0.3	0.7	0.5	1.2	0.2
7	C	12.1	9.3	12.5	18.3	16.5	-0.4	1.4	1.3	1.4	1.1	1.5	0.0
7	All	11.6	18.5	31.5	20.3	42.7	2.3	0.3	0.6	0.8	0.6	1.1	0.1
8	W	4.6	6.8	-7.7	-2.7	8.4	-1.5	0.0	0.3	0.5	0.5	0.5	-0.1
8	AN	2.4	4.8	23.9	8.9	55.1	6.7	-0.3	0.4	0.5	0.0	1.5	0.5
8	BN	9.9	31.2	47.1	26.9	64.5	7.7	0.0	0.8	0.9	1.0	1.2	0.5
8	D	28.0	36.2	41.2	31.1	44.6	0.7	-0.2	-0.1	-0.3	-0.2	-0.1	0.0
8	C	10.3	13.1	15.5	21.8	25.8	2.6	0.0	0.3	-0.6	0.3	0.6	-0.2
8	All	11.5	18.7	21.0	15.7	35.4	2.4	-0.1	0.2	0.1	0.3	0.5	0.0
9	W	0.6	-1.4	-1.9	-1.4	1.3	0.0	-0.1	-0.2	-0.3	-0.5	-1.0	0.1
9	AN	0.0	0.8	10.3	1.4	28.6	0.0	0.4	-1.1	-1.1	-1.5	0.0	-0.4
9	BN	7.4	13.9	7.6	1.1	13.1	-0.7	0.6	2.1	1.0	1.0	1.8	1.3
9	D	6.2	17.1	21.4	0.3	10.3	1.1	-0.8	-0.6	-0.2	-0.3	0.5	-0.3

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	3.5	3.8	8.8	-0.6	12.9	2.1	-0.6	-0.4	-0.7	-1.1	0.4	-0.3
9	All	3.5	6.7	8.3	-0.1	10.7	0.4	-0.6	-0.5	-0.7	-0.8	0.1	-0.1
10	W	0.0	0.8	0.6	0.3	1.0	0.2	0.0	1.3	1.5	1.3	1.2	0.0
10	AN	-0.5	-0.5	-0.5	-0.5	2.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.1	-0.5
10	BN	-5.0	-4.7	-4.8	-5.0	0.7	-0.4	-2.5	-2.0	-1.5	-2.5	-1.7	-0.2
10	D	-0.7	0.3	1.2	-0.4	-0.7	-0.1	-0.6	0.5	0.1	-0.1	-0.6	0.2
10	C	1.8	-0.8	-2.0	0.2	6.9	1.2	1.0	0.3	0.9	0.4	0.3	0.6
10	All	-0.9	-0.8	-0.8	-1.0	1.7	0.1	0.4	-0.5	-0.5	-0.3	-0.7	0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Anadromous Fish

Table H1b-302. Water Temperature Index Value Analysis Results, Water Temperature Targets for Anadromous Fish, Feather River Low Flow Channel above Thermalito Afterbay (for Robinson Riffle), 53–63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days outside Index Range [a]						Difference Relative to Baseline in Mean Degrees per Day outside Index Range (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	-1.6	-1.6	-1.6	-1.6	-1.6	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
3	BN	-0.2	-0.4	-0.5	-0.4	-0.5	-0.2	0.1	-0.1	0.0	-0.1	0.0	0.1
3	D	-2.8	-3.5	-3.7	-3.5	-3.7	0.0	-0.2	-0.1	0.0	0.1	0.0	0.0
3	C	-4.2	-5.6	-7.1	-4.0	-7.3	-0.6	0.0	0.0	0.3	0.0	0.0	0.0
3	All	-1.5	-2.0	-2.3	-1.7	-2.3	-0.2	0.0	0.0	0.2	0.1	0.0	0.0
4	W	-2.1	-2.0	-2.0	-2.0	-2.1	0.1	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
4	AN	-7.5	-7.5	-7.5	-7.5	-6.9	-5.3	-0.5	-0.5	-0.5	-0.5	0.0	-0.1
4	BN	-14.8	-15.4	-15.6	-15.4	-15.6	-10.0	-0.4	-0.6	-0.6	-0.6	-0.6	-0.2
4	D	-16.8	-18.8	-19.4	-18.0	-19.5	-12.4	-0.3	-0.4	-0.5	-0.4	-0.5	-0.1
4	C	-9.2	-7.9	-10.4	-8.1	-11.3	-1.0	-0.3	-0.2	0.0	-0.3	-0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days outside Index Range [a]						Difference Relative to Baseline in Mean Degrees per Day outside Index Range (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	All	-9.6	-9.9	-10.4	-9.7	-10.6	-5.4	-0.3	-0.2	-0.2	-0.3	-0.4	-0.1
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	-0.2	-0.2	1.4	-0.2	0.5	-0.4	-0.5	-0.5	-0.1	-0.5	0.5	-0.5
5	D	-0.3	-0.3	-0.1	-0.3	-0.3	-0.3	0.0	0.0	-0.2	0.0	0.0	-0.5
5	C	-0.4	1.0	0.0	0.0	0.0	-0.2	0.0	0.7	0.0	0.5	0.5	0.0
5	All	-0.2	0.1	0.2	-0.1	0.0	-0.2	0.0	0.2	0.0	0.0	0.4	-0.4
6	W	0.8	0.6	0.8	0.8	0.6	0.0	-0.1	-0.2	-0.1	-0.1	0.0	0.0
6	AN	0.0	0.3	-1.1	-1.4	2.8	1.1	-0.1	0.0	0.1	0.0	0.1	0.1
6	BN	-0.2	0.4	3.3	-0.2	2.4	0.2	0.2	0.0	0.3	0.2	0.5	0.0
6	D	-1.2	-3.0	-0.3	-1.7	-3.3	-1.8	0.0	0.0	0.2	-0.1	-0.1	-0.1
6	C	1.0	5.8	-1.0	2.3	1.5	1.0	-0.3	0.0	-0.3	0.1	-0.1	-0.1
6	All	0.1	0.5	0.5	0.0	0.4	-0.1	-0.1	0.0	0.1	0.0	0.1	0.0
7	W	0.3	-0.5	-3.4	-1.4	-4.6	-1.5	-0.1	0.0	0.0	0.0	-0.1	0.0
7	AN	-0.5	-2.2	6.2	4.3	11.8	0.3	0.1	0.2	0.1	0.2	0.6	0.1
7	BN	-0.9	-1.1	12.4	-3.4	6.6	0.4	-0.1	-0.1	0.5	-0.1	0.4	-0.1
7	D	2.6	1.3	7.5	-8.7	3.1	-1.0	-0.1	-0.1	0.4	-0.1	0.2	-0.1
7	C	3.2	3.6	3.2	0.2	-3.6	2.6	0.1	-0.1	0.1	-0.3	0.2	0.1
7	All	1.0	0.3	4.2	-2.4	1.3	-0.2	0.0	0.0	0.3	-0.1	0.3	0.0
8	W	-3.1	-4.5	-5.1	-3.8	-5.6	-0.5	-0.1	-0.1	0.0	0.0	-0.2	-0.1
8	AN	1.9	-1.9	-1.3	-0.8	18.5	-1.6	0.1	0.0	-0.1	0.1	1.1	0.0
8	BN	3.0	7.2	8.6	2.5	15.9	3.6	-0.1	-0.1	0.7	-0.3	0.4	-0.4
8	D	0.4	7.6	13.0	0.4	11.1	0.6	-0.2	0.3	0.1	-0.3	0.7	-0.2
8	C	3.0	8.9	-4.0	-2.8	4.2	-3.6	-0.3	0.4	-0.6	-0.2	-0.1	-0.5
8	All	0.4	2.9	2.1	-1.2	6.7	-0.2	-0.1	0.3	0.1	-0.1	0.5	-0.3
9	W	0.8	0.9	1.4	1.6	5.1	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0
9	AN	-0.3	5.0	17.2	0.8	20.8	-0.6	0.3	-0.2	1.3	0.2	3.9	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days outside Index Range [a]						Difference Relative to Baseline in Mean Degrees per Day outside Index Range (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	BN	19.8	33.7	24.6	16.5	32.0	0.0	0.7	1.2	0.7	-0.2	1.9	-0.2
9	D	3.0	20.2	23.5	5.3	12.7	0.2	-0.1	2.2	2.4	0.3	1.7	0.0
9	C	0.2	-4.2	11.3	3.5	9.4	0.2	-0.5	0.7	0.0	-2.0	0.4	-0.3
9	All	4.6	10.9	14.2	5.4	14.4	0.0	-0.3	0.7	0.7	-0.9	1.0	-0.1
10	W	13.1	12.5	9.0	10.4	2.4	0.9	0.1	0.2	1.3	-0.8	0.7	-1.3
10	AN	-7.8	2.7	9.4	-5.9	24.5	0.0	-2.5	-1.9	-0.1	-2.3	0.7	-0.2
10	BN	6.5	22.0	25.1	-10.0	19.0	-2.2	-1.7	-1.0	-1.0	-1.6	0.4	0.2
10	D	8.8	12.6	7.2	17.6	0.9	-4.8	-0.4	0.8	1.2	0.0	-1.0	-0.7
10	C	12.5	6.7	22.8	7.9	27.0	7.7	-0.4	-0.7	-1.6	-1.0	-0.2	-0.7
10	All	8.3	12.1	13.9	5.9	11.8	0.0	-0.7	-0.5	-0.4	-1.0	0.2	-0.3
11	W	1.7	1.6	1.4	0.8	-0.2	-1.1	0.2	0.4	0.6	-0.3	1.4	-0.7
11	AN	-4.4	-4.4	-2.8	-4.4	2.5	0.0	-1.1	-1.1	-0.3	-1.1	0.0	-0.1
11	BN	-0.9	4.6	4.8	-2.6	5.0	1.5	-1.9	-1.6	-1.6	-2.4	-1.4	0.4
11	D	1.8	0.8	0.8	4.7	0.3	-0.2	-0.7	-0.8	0.2	0.2	-1.2	-1.1
11	C	5.6	0.8	2.7	5.2	6.3	3.3	1.0	-0.1	0.0	0.4	0.7	1.0
11	All	1.1	1.1	1.6	1.1	2.2	0.4	-0.1	-0.4	-0.3	-0.1	-0.1	0.5
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

Water temperature targets from NMFS (^2016d).

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-303. Water Temperature Index Value Analysis Results, Water Temperature Objectives for Anadromous Fish, Feather River at Gridley, 56–64 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days outside Index Range [a]						Difference Relative to Baseline in Mean Degrees per Day outside Index Range (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	-0.3	-1.5	-1.5	-1.2	-1.8	-0.9	0.2	-0.2	-0.2	-0.2	-0.2	0.2
2	BN	0.8	0.4	1.0	2.5	1.2	0.4	0.2	0.3	0.3	0.3	0.4	0.0
2	D	0.2	-0.2	-0.5	-0.5	-0.5	0.2	-0.1	0.2	0.2	0.3	0.1	-0.1
2	C	1.5	0.9	1.1	2.0	0.7	0.0	0.4	0.3	0.4	0.4	0.3	0.0
2	All	0.4	0.0	0.1	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
3	W	0.1	-0.1	-0.9	-0.6	-1.4	0.0	-0.1	-0.1	-0.2	0.0	-0.4	0.0
3	AN	-8.1	-9.7	-16.9	-8.6	-22.0	2.2	-0.4	-1.2	-1.4	-1.2	-1.5	0.0
3	BN	9.1	3.8	-1.3	6.1	-5.4	3.0	0.8	0.3	-0.2	0.3	-0.6	0.2
3	D	9.5	3.2	-2.5	5.7	-6.6	3.1	0.0	-0.2	-0.5	-0.2	-0.7	-0.1
3	C	24.4	25.0	25.6	27.4	15.1	0.4	0.9	0.8	0.6	0.9	0.3	0.2
3	All	6.8	4.3	1.1	5.6	-3.1	1.6	0.4	0.1	-0.1	0.2	-0.3	0.1
4	W	-1.9	-5.3	-6.8	-6.7	-6.9	0.1	-0.8	-1.2	-1.6	-1.6	-1.6	0.0
4	AN	-13.3	-20.6	-20.8	-20.8	-21.7	9.4	-0.6	-0.3	-0.7	-0.2	-1.5	0.3
4	BN	-12.4	-29.8	-35.7	-31.7	-38.1	18.3	-0.6	-1.0	-1.4	-1.2	-1.7	0.5
4	D	11.8	-6.4	-20.9	0.0	-26.2	37.9	0.0	-0.3	-0.5	-0.2	-0.7	0.3
4	C	16.9	10.2	1.0	19.0	-10.4	0.6	-0.3	-0.5	-0.7	-0.4	-0.9	-0.1
4	All	0.9	-9.4	-15.7	-7.3	-19.4	13.2	-0.2	-0.2	-0.3	-0.1	-0.4	0.1
5	W	-1.1	-1.5	-2.9	-2.8	-3.0	0.1	-0.2	-0.5	-0.5	-0.6	-0.1	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days outside Index Range [a]						Difference Relative to Baseline in Mean Degrees per Day outside Index Range (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	-7.8	-11.8	-13.4	-13.2	-14.0	-0.3	-0.4	-0.6	-0.7	-0.9	-1.2	-0.1
5	BN	-7.3	-10.2	-10.0	-10.2	-10.0	-2.7	-0.1	0.4	0.2	0.4	-0.1	0.1
5	D	-5.6	-7.5	-9.4	-6.6	-7.3	-4.7	-0.4	-0.3	-0.2	-0.4	-0.4	0.0
5	C	-2.2	2.6	-0.2	-4.8	7.1	-2.8	-0.2	0.2	0.1	-0.2	0.2	0.0
5	All	-4.2	-5.0	-6.5	-6.6	-5.0	-2.0	-0.2	0.0	0.1	-0.2	0.1	0.0
6	W	-1.8	-3.1	-7.6	-6.9	-9.0	-0.2	-0.2	-0.3	-0.3	-0.3	-0.5	0.0
6	AN	-9.7	-13.1	-13.1	-18.3	-10.3	1.9	-0.1	-0.2	-0.1	-0.3	0.2	0.2
6	BN	-6.9	-6.1	-5.4	-6.3	-1.5	0.6	-0.2	0.1	0.6	0.2	0.6	0.0
6	D	6.8	15.2	16.4	15.2	17.7	0.3	0.4	0.6	0.9	0.6	0.9	0.1
6	C	2.5	5.2	8.3	6.5	7.5	0.6	0.3	0.7	0.7	0.4	0.9	0.0
6	All	-1.1	0.6	0.1	-1.1	0.9	0.4	0.1	0.3	0.5	0.2	0.6	0.0
7	W	-4.1	-7.0	-10.4	-12.8	-2.3	2.0	-0.1	0.1	-0.2	-0.1	-0.2	0.1
7	AN	-2.4	5.6	13.4	3.8	23.9	-0.5	0.2	0.4	2.0	0.9	3.5	0.4
7	BN	12.5	32.1	41.0	12.0	50.0	5.0	0.5	1.3	2.8	1.3	3.9	0.1
7	D	24.8	28.7	37.0	33.1	37.5	1.0	0.9	1.6	2.3	1.9	2.8	0.2
7	C	8.5	9.5	11.9	11.9	11.9	0.4	1.5	1.3	1.3	1.4	1.6	0.0
7	All	7.7	12.4	16.2	8.1	21.8	1.8	0.5	0.8	1.3	0.9	1.9	0.1
8	W	2.6	-0.3	-8.1	-5.8	0.9	-0.1	0.1	0.4	0.3	0.3	0.6	-0.1
8	AN	0.3	-2.2	8.3	4.3	18.8	0.3	-0.1	0.3	0.9	0.2	2.4	0.4
8	BN	6.1	12.0	22.9	9.0	28.9	4.8	0.2	1.3	1.7	1.2	2.3	0.5
8	D	19.6	23.5	27.7	18.2	27.9	2.2	0.5	0.7	0.7	0.6	0.9	0.0
8	C	12.1	9.1	12.9	12.5	12.5	-1.4	0.0	0.5	-0.3	0.7	1.2	0.0
8	All	8.3	8.6	11.1	6.5	16.2	1.2	0.2	0.6	0.5	0.6	1.2	0.1
9	W	2.3	3.8	9.7	7.4	39.2	0.8	0.0	-0.6	-0.7	-0.7	-0.6	0.0
9	AN	0.6	13.3	56.9	24.2	82.5	0.8	0.0	-1.1	-0.6	-0.7	0.6	-0.7
9	BN	48.1	58.0	60.2	39.4	55.4	8.5	0.3	1.3	0.4	-0.3	0.8	-0.3
9	D	17.4	20.6	20.0	11.2	11.4	7.4	0.4	1.3	1.4	0.3	0.9	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days outside Index Range [a]						Difference Relative to Baseline in Mean Degrees per Day outside Index Range (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	9.6	4.6	8.1	13.5	10.8	1.9	-0.1	-0.2	0.1	-0.4	0.7	0.0
9	All	15.1	18.8	26.8	17.2	36.6	3.9	0.0	0.3	0.2	-0.3	0.4	0.0
10	W	13.4	14.8	13.4	14.6	12.9	1.6	-0.5	-0.1	0.0	-1.0	-0.6	-1.1
10	AN	5.9	14.2	18.8	2.2	28.0	0.5	-1.9	-1.7	-1.0	-2.1	-0.6	-0.6
10	BN	3.9	20.3	23.8	1.3	25.6	-0.9	-2.6	-1.9	-1.6	-2.9	-0.7	0.1
10	D	6.7	10.6	7.8	14.8	4.0	-3.8	-0.8	0.3	0.3	-0.5	-1.2	0.1
10	C	5.4	5.6	20.2	0.8	20.0	3.4	0.6	-0.3	-0.6	0.2	0.5	0.2
10	All	8.0	13.3	15.8	8.4	16.2	0.1	-0.8	-0.7	-0.6	-1.1	-0.3	-0.1
11	W	5.7	7.3	8.1	5.1	6.0	0.4	0.7	0.7	0.3	0.4	0.8	0.5
11	AN	-1.7	5.8	5.0	-3.6	15.6	-0.6	-0.4	-0.4	-0.2	-0.9	0.3	0.0
11	BN	3.5	15.2	15.4	-0.2	15.2	2.2	-1.2	-0.8	-0.6	-1.5	-0.5	0.5
11	D	5.6	3.2	3.8	5.8	5.5	-1.1	-0.2	-0.4	0.0	0.3	-0.5	-0.2
11	C	9.2	6.3	15.2	8.8	18.1	5.8	0.4	0.2	0.4	0.0	0.8	0.5
11	All	4.9	7.5	9.3	3.8	10.7	1.2	0.0	0.0	0.0	0.0	0.2	0.3
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

Water temperature targets from NMFS (^2016d).

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-304. Summary of Water Temperature Index Value Analysis for the Feather River, Showing the Percent of Month-Water Year Type Combinations with Unfavorable and Favorable Results

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result						Percent of Month-Water Year Type Combinations with Favorable Result					
				Mean Daily	7DADM [a]	35	45	55	55 w/WSAs	65	VA	35	45	55	55 w/WSAs	65	VA
Winter-run Chinook Salmon	Non-Natal Rearing	Jul-Mar	LFC above Thermalito	–	64	0.0	4.4	4.4	2	11.1	0.0	0.0	0.0	0.0	2.2	0.0	0.0
			HFC at Gridley	–	64	0.0	6.7	6.7	4.4	15.6	0.0	0.0	0.0	0.0	2.2	0.0	0.0
Spring-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Sep-Feb	LFC below Fish Dam	–	55.4	3.3	10.0	16.7	10.0	20.0	0.0	6.7	3.3	0.0	6.7	0.0	0.0
			HFC below Thermalito	–	55.4	0.0	6.7	16.7	3.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Nov-Jun	LFC below Fish Dam	–	61	0.0	0.0	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	–	64	0.0	0.0	5.0	0.0	5.0	0.0	0.0	5.0	5.0	5.0	5.0	0.0
	Adult Immigration	Mar-Jun	LFC below Fish Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Apr-Sep	LFC below Fish Dam	–	61	0.0	6.7	13.3	0.0	23.3	0.0	0.0	0.0	0.0	6.7	0.0	0.0
			HFC below Thermalito	–	61	0.0	6.7	3.3	0.0	13.3	3.3	0.0	10.0	13.3	10.0	20.0	0.0
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Oct-Feb	LFC below Fish Dam	–	55.4	4.0	4.0	8.0	8.0	12.0	0.0	8.0	4.0	0.0	8.0	0.0	0.0
			HFC below Thermalito	–	55.4	0.0	8.0	20.0	4.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Nov-May	LFC below Fish Dam	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	–	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	5.7	5.7	5.7	0.0
	Adult Immigration	Aug-Dec	LFC below Fish Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	–	68	0.0	8.0	4.0	0.0	20.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Aug-Dec	LFC below Fish Dam	–	61	0.0	12.0	16.0	0.0	28.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
			HFC below Thermalito	–	61	0.0	8.0	4.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steelhead	Spawning, Egg Incubation, and Alevins	Dec-May	LFC below Fish Dam	53	–	0.0	0.0	0.0	3.3	0.0	0.0	0.0	13.3	13.3	10.0	10.0	0.0
			HFC below Thermalito	53	–	3.3	3.3	3.3	3.3	3.3	0.0	0.0	3.3	3.3	0.0	10.0	0.0
	Kelt Emigration	Feb-May	LFC below Fish Dam	––	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	––	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	––	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Juvenile Rearing	Year-round	LFC below Fish Dam	63	–	0.0	5.0	6.7	0.0	13.3	0.0	1.7	1.7	1.7	3.3	0.0	0.0
				––	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	63	––	1.7	13.3	16.7	10.0	21.7	1.7	1.7	5.0	5.0	5.0	5.0	0.0
				––	69	1.7	3.3	6.7	1.7	11.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
	Smoltification	Jan-Mar	LFC below Fish Dam	54	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.7	6.7	6.7	0.0
			HFC below Thermalito	54	–	0.0	6.7	6.7	6.7	6.7	0.0	0.0	6.7	6.7	6.7	6.7	0.0
	Smolt Emigration	Dec-Jun	LFC below Fish Dam	–	61	0.0	0.0	2.9	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	–	64	0.0	0.0	5.7	0.0	5.7	0.0	0.0	5.7	5.7	5.7	5.7	0.0
	Adult Immigration	Aug-Mar	LFC below Fish Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				70	––	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result						Percent of Month-Water Year Type Combinations with Favorable Result					
				Mean Daily	7DADM [a]	35	45	55	55 w/WSAs	65	VA	35	45	55	55 w/WSAs	65	VA
			HFC below Thermalito	––	68	0.0	5.0	2.5	0.0	12.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0
				70	––	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Sep-Nov	LFC below Fish Dam	–	61	0.0	20.0	26.7	0.0	33.3	0.0	0.0	0.0	0.0	13.3	0.0	0.0
			HFC below Thermalito	–	61	0.0	13.3	6.7	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Sturgeon	Spawning and Embryo Incubation	Mar-Jul	LFC below Fish Dam	63	–	0.0	0.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	63	–	4.0	12.0	24.0	12.0	24.0	0.0	0.0	12.0	12.0	12.0	12.0	0.0
			HFC at Gridley	63	–	0.0	16.0	20.0	16.0	20.0	0.0	0.0	12.0	12.0	16.0	12.0	0.0
	Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding)	Aug-Nov	LFC below Fish Dam	66	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				73	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	66	–	0.0	10.0	15.0	0.0	25.0	5.0	5.0	0.0	0.0	5.0	0.0	0.0
				73	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC at Gridley	66	–	0.0	10.0	15.0	5.0	25.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
				73	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Larval to Juvenile Rearing and Emigration	Year-round	LFC below Fish Dam	66	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HFC below Thermalito	66	–	1.7	6.7	8.3	3.3	15.0	3.3	1.7	0.0	0.0	1.7	0.0	0.0
			HFC at Gridley	66	–	1.7	6.7	11.7	6.7	18.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
Anadromous Fish	All	Year-round	LFC Above Thermalito	56-63	–	0.0	5.0	11.7	0.0	13.3	0.0	1.7	3.3	5.0	6.7	1.7	0.0
			HFC at Gridley	56-64	–	1.7	20.0	18.3	13.3	28.3	0.0	1.7	6.7	10.0	6.7	15.0	0.0

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

For unfavorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% higher than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F higher than the exceedance under the baseline.

For favorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% lower than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F lower than the exceedance under the baseline.

°F = degrees Fahrenheit

a 7DADM = Seven-day average daily maximum

H1b.6.2.4 Yuba River

Spring-Run Chinook Salmon

Table H1b-305. Summary of Potential Effects of Flow Scenarios on Spring-Run Chinook Salmon, Yuba River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	0.0%	0.0%	1.0%	2.0%	0.0%	2.0%
[b] Unfavorable	1.0%	3.0%	7.0%	1.0%	13.0%	0.0%
Adult Holding						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	4.0%	2.7%	21.3%	2.7%	41.3%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	2.5%	0.0%	22.5%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	1.7%	0.4%	1.3%	0.0%	1.3%	0.0%
Unfavorable	1.3%	2.5%	9.6%	2.1%	19.6%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance

Table H1b-306. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Yuba River at Smartsville, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-12.7	-8.0	-7.1	8.7	5.8	0.0	-0.2	-0.2	0.0	0.0	0.1	0.0
9	AN	6.7	8.9	42.8	-1.4	49.2	8.9	-0.2	-0.1	0.1	0.1	0.5	-0.3
9	BN	28.5	42.4	51.5	19.6	52.4	15.0	-0.2	0.1	0.5	-0.1	1.3	0.0
9	D	11.5	25.2	31.1	17.0	33.9	-0.8	0.1	0.2	0.5	0.3	1.2	0.1
9	C	1.7	1.7	1.7	1.7	1.7	0.0	-0.2	0.3	0.8	0.4	3.2	0.1
9	All	5.0	12.3	19.8	10.2	25.3	3.7	-0.1	0.1	0.4	0.1	1.2	0.0
10	W	-2.8	4.9	10.1	10.8	23.2	6.5	-0.3	-0.2	0.1	0.0	0.4	0.0
10	AN	-16.4	-10.5	-4.6	0.8	10.2	2.7	-0.2	0.0	0.5	0.2	0.7	0.1
10	BN	-8.6	3.4	18.1	2.0	39.4	9.9	-0.1	0.0	0.3	0.1	1.2	-0.1
10	D	-7.2	1.8	12.6	10.6	27.1	5.3	0.1	0.1	0.2	0.1	0.5	0.0
10	C	-10.7	3.6	22.8	9.9	33.9	6.5	0.2	0.3	0.6	0.3	1.8	0.0
10	All	-7.8	1.8	12.4	7.7	27.2	6.4	-0.1	0.0	0.3	0.1	0.9	0.0
11	W	-4.1	-3.4	-3.3	-0.3	1.1	1.2	0.1	-0.2	0.1	0.0	0.3	-0.1
11	AN	1.4	2.5	6.7	1.4	9.7	0.3	-1.3	-1.0	-0.7	-0.2	-1.0	-0.1
11	BN	-2.4	-2.4	0.2	0.0	10.9	0.2	0.0	0.0	0.0	0.0	0.5	-0.1
11	D	0.3	0.3	1.7	1.2	4.8	3.0	0.2	0.2	0.2	0.1	0.9	0.3
11	C	-1.3	2.7	8.5	2.5	25.6	0.8	-0.2	-0.1	0.2	0.0	0.8	-0.1
11	All	-1.7	-0.7	1.6	0.7	8.8	1.3	-0.3	-0.2	-0.1	-0.1	0.1	-0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-307. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Yuba River above Daguerre Point Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-0.2	-0.2	0.0	0.0	0.0	0.0	-0.3	-0.2	0.0	0.2	0.3	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	2.3	0.2	2.7	0.3
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.9	0.3	2.6	0.3
9	D	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.9	1.1	0.8	1.9	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	0.4	0.4	3.6	0.1
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.0	0.4	1.9	0.1
10	W	-1.0	0.1	-0.2	0.1	0.8	0.5	-0.2	-0.1	0.2	0.2	0.8	0.2
10	AN	-1.6	-0.8	-0.5	0.5	1.6	0.5	-0.5	-0.1	0.4	0.2	1.0	0.1
10	BN	-2.7	-2.5	-1.6	0.0	-0.2	-0.2	-0.2	0.0	0.5	0.1	1.9	0.1
10	D	-1.9	-1.5	0.4	-1.5	1.3	-0.9	-0.1	0.1	0.4	0.3	1.1	0.2
10	C	0.0	0.2	0.2	0.2	0.2	0.0	-0.1	0.3	1.0	0.4	2.4	0.1
10	All	-1.4	-0.8	-0.3	-0.2	0.7	0.0	-0.2	0.0	0.5	0.2	1.4	0.2
11	W	-7.8	-8.8	-7.3	-3.6	-5.0	4.6	-0.2	-0.2	-0.1	0.0	0.1	0.0
11	AN	-3.3	-2.2	-1.4	-1.4	2.8	1.9	-0.3	-0.1	0.2	0.1	0.2	0.0
11	BN	-7.2	-5.4	-0.7	-1.9	13.9	2.4	-0.2	-0.1	0.2	0.0	0.5	0.0
11	D	-8.3	-6.8	-4.4	2.6	2.7	1.1	-0.1	0.0	0.1	0.0	0.3	0.2
11	C	-6.5	0.2	9.6	5.0	24.6	2.7	0.0	0.2	0.4	0.2	1.0	0.1
11	All	-7.0	-5.4	-2.0	-0.2	6.0	2.8	-0.1	0.0	0.1	0.0	0.4	0.0
12	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	-0.3	0.0	0.0	0.3	0.3	0.0	-1.0	-1.0	-1.0	-0.5	-1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	-0.5	-0.5	0.0	-0.5	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-308. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River at Smartsville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.4	0.0
7	AN	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-1.2	2.0	-0.2	1.8	8.1	0.0	-0.2	0.1	-0.1	0.1	0.4	0.0
7	All	-0.2	0.3	0.0	0.3	2.4	0.0	-0.2	0.1	-0.1	0.1	0.4	0.0
8	W	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0
8	AN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.0	-5.0	-5.0	0.0	22.6	0.0	-3.0	-2.5	-2.7	-1.1	-0.8	0.0
8	All	-0.5	-0.8	-0.8	0.0	3.9	0.0	-3.0	-2.5	-2.7	-1.1	-0.8	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.3	-0.3	-0.3	0.6	-0.3	0.6	1.1	1.2	1.3	-1.9	1.0	-2.7
9	BN	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-2.3	-3.5	-2.9	0.0	26.7	0.0	-2.3	-2.5	-2.5	0.7	0.6	0.0
9	All	-0.4	-0.6	-0.5	0.1	4.8	0.1	-0.3	0.2	0.0	-0.5	-0.2	-1.2
10	W	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0
10	AN	-8.3	-8.3	-8.3	0.0	-1.3	0.0	-3.0	-3.0	-3.0	0.1	-0.5	0.0
10	BN	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.9	0.0
10	D	0.0	0.0	0.0	0.0	0.0	-0.1	1.7	2.0	2.0	-1.3	0.0	-1.8
10	C	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	2.4	0.0
10	All	-1.0	-1.0	-1.0	0.0	2.0	0.0	1.1	1.4	1.4	0.0	-0.8	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	0.0	-0.3	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-309. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River above Daguerre Point Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
4	C	-1.5	-2.3	-4.0	-1.7	-5.2	0.0	-0.6	-0.6	-1.0	-0.6	-1.6	0.0
4	All	-0.4	-0.6	-0.9	-0.5	-1.1	-0.2	-0.4	-0.5	-0.8	-0.5	-1.5	0.2
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	2.4	6.9	-0.6	11.7	-3.4	0.4	-0.7	-0.8	-0.8	-0.4	-0.9	0.0
5	All	0.4	1.1	-0.1	1.9	-0.6	0.1	-0.7	-0.8	-0.8	-0.4	-0.9	0.0
6	W	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	AN	0.0	0.3	0.6	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.7	0.0
6	BN	0.0	0.2	2.4	1.5	21.9	0.0	0.0	0.0	0.3	0.3	1.2	0.0
6	D	2.1	5.9	25.2	8.6	45.2	1.1	0.1	0.2	0.6	0.3	0.9	0.1
6	C	7.1	20.0	32.3	14.4	35.0	2.9	0.1	0.5	0.5	0.5	0.7	0.1
6	All	1.6	4.7	11.5	4.6	21.3	0.7	0.1	0.3	0.2	0.3	0.2	0.1
7	W	42.9	52.5	59.5	17.4	80.0	0.0	0.4	0.5	0.5	0.3	1.3	0.1
7	AN	20.2	26.6	40.6	11.8	74.7	1.1	0.6	0.6	1.3	0.2	2.2	0.2
7	BN	16.3	22.0	50.5	21.0	77.4	8.2	0.2	0.4	0.8	0.3	2.6	0.0
7	D	15.7	27.3	46.3	19.9	49.4	8.7	0.0	0.3	1.3	0.4	2.7	0.0
7	C	1.6	3.0	3.0	3.0	3.0	-1.2	0.2	1.3	2.5	1.0	4.1	0.2
7	All	22.4	30.0	43.4	15.6	59.4	3.4	-0.1	0.3	0.8	0.3	2.0	0.0
8	W	8.4	13.5	24.9	4.1	41.1	0.0	0.4	0.2	0.3	0.1	0.9	0.1
8	AN	9.9	16.9	46.0	8.6	68.0	3.8	0.0	0.0	1.0	0.0	1.7	0.0
8	BN	21.9	41.2	52.3	17.6	61.6	7.0	-0.1	0.1	0.5	0.2	2.0	0.1
8	D	10.9	23.0	35.2	14.4	37.7	-7.0	0.1	0.2	0.8	0.4	1.9	0.1
8	C	0.6	0.6	0.6	0.6	0.6	-0.4	-1.1	-0.2	0.6	0.4	3.4	0.2
8	All	10.3	19.1	30.9	8.9	40.8	0.1	-0.6	-0.3	0.1	0.1	1.4	0.1
9	W	-1.1	0.7	6.4	8.4	15.3	-0.9	-0.1	0.0	0.2	0.2	0.4	0.0
9	AN	8.1	10.0	56.1	4.7	57.5	4.2	-0.4	-0.4	-1.0	-0.5	-0.5	-0.8
9	BN	17.0	36.5	55.4	10.0	58.0	5.0	-0.2	-0.1	0.2	-0.1	0.8	0.1
9	D	9.2	23.6	27.9	18.8	38.8	-2.9	0.1	0.1	0.3	0.2	0.8	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	4.8	6.7	9.6	3.5	9.6	-0.4	-0.7	-0.3	0.0	0.2	3.3	0.1
9	All	6.6	14.5	26.8	9.8	32.7	0.4	-0.3	-0.2	0.0	0.0	1.0	0.1
10	W	-2.6	-0.6	1.0	-0.3	9.0	1.1	0.1	0.2	0.5	0.1	0.7	0.0
10	AN	1.6	5.6	13.2	2.4	22.6	1.3	-3.5	-2.5	-2.3	-0.6	-2.7	-0.3
10	BN	-0.4	0.4	4.5	2.3	26.7	-0.2	0.0	0.4	0.6	0.2	2.0	0.0
10	D	0.1	1.0	3.4	0.3	14.1	0.7	0.1	0.0	-0.1	-0.1	-0.1	-0.1
10	C	0.0	5.2	15.9	5.6	36.5	0.4	0.1	0.2	0.4	0.2	1.9	-0.1
10	All	-0.6	1.6	6.1	1.6	19.6	0.7	-0.9	-0.6	-0.5	-0.2	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-2.8	-1.7	-0.6	0.0	-1.1	0.0	-1.3	-0.6	-0.7	0.0	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0
11	All	-0.3	-0.2	-0.1	0.0	0.3	0.0	-1.3	-0.6	-0.7	0.0	-0.5	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-310. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River below Daguerre Point Dam, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-1.3	-1.7	-1.7	-1.5	-1.7	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
4	All	-0.2	-0.3	-0.3	-0.2	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-1.4	-1.6	-1.8	-0.4	-1.8	0.0	-0.4	-0.9	-0.9	-0.6	-0.9	0.0
5	All	-0.2	-0.3	-0.3	-0.1	-0.3	0.0	-0.4	-0.9	-0.9	-0.6	-0.9	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	D	0.0	0.2	2.4	0.2	7.3	0.0	0.0	0.0	0.6	0.0	0.5	0.0
6	C	3.1	14.4	18.3	14.2	26.5	2.9	-0.1	-0.1	-0.4	0.0	-0.3	-0.2
6	All	0.5	2.4	3.5	2.3	6.1	0.5	-0.1	-0.2	-0.5	0.0	-0.5	-0.2
7	W	1.5	2.6	2.7	0.3	10.8	0.0	0.4	0.5	0.6	0.3	0.9	0.0
7	AN	0.0	0.8	7.3	0.0	27.4	0.0	0.0	0.3	0.5	0.0	1.4	0.0
7	BN	0.0	3.4	6.8	0.4	43.7	0.0	0.0	0.5	1.3	0.0	1.1	0.0
7	D	0.0	0.0	18.9	0.1	54.4	0.0	0.0	0.0	0.5	0.5	0.9	0.0
7	C	-6.5	14.9	60.3	8.3	68.5	6.3	-0.9	-1.5	-2.1	-0.3	-0.6	-0.5
7	All	-0.6	3.9	17.1	1.5	38.1	1.0	-1.1	-1.8	-2.5	-0.4	-2.0	-0.5
8	W	0.6	1.0	1.2	0.1	4.6	0.0	0.5	0.6	0.5	0.0	0.7	0.0
8	AN	0.0	0.0	9.7	0.0	30.9	0.0	0.0	0.0	0.7	0.0	1.4	0.0
8	BN	0.0	1.8	5.2	0.0	40.1	0.0	0.0	0.4	1.0	0.0	1.0	0.0
8	D	1.2	1.9	11.1	3.5	35.5	0.9	-0.3	-0.2	-0.1	-0.1	0.2	-0.3
8	C	-9.5	11.1	40.5	4.6	59.7	8.5	-1.6	-2.1	-2.3	0.0	0.1	-0.4
8	All	-1.1	2.9	11.6	1.6	30.3	1.6	-1.8	-2.2	-2.6	-0.4	-1.7	-0.5
9	W	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0
9	AN	-0.3	0.0	7.5	1.4	26.4	1.4	1.1	0.9	-1.7	-2.0	-2.9	-2.7
9	BN	0.4	5.0	11.5	0.9	32.6	3.0	0.0	0.1	0.3	0.1	0.7	0.2
9	D	1.8	5.5	9.1	8.9	28.3	2.0	0.0	0.0	0.1	0.2	0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-6.9	5.8	19.8	2.5	50.8	4.2	-1.4	-1.4	-1.3	0.2	1.5	-0.1
9	All	-0.7	3.1	8.3	2.8	24.1	1.8	-1.0	-1.2	-1.2	-0.4	-0.1	-0.5
10	W	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
10	AN	-3.5	-0.8	5.4	0.0	1.3	0.0	-5.3	-3.2	-4.1	0.1	-2.4	0.0
10	BN	0.0	0.0	0.2	0.0	9.5	0.0	0.0	0.0	0.0	0.0	3.1	0.0
10	D	0.0	0.0	0.0	-0.1	1.0	0.3	1.7	1.7	1.7	-0.5	-0.8	-1.6
10	C	0.0	0.0	0.4	0.0	13.1	0.0	0.0	0.0	0.0	0.0	3.0	0.0
10	All	-0.4	-0.1	0.8	0.0	4.8	0.1	-4.4	-2.7	-3.7	0.2	-2.9	-0.5
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-311. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River at Marysville Dam, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
4	C	-1.7	-3.1	-5.6	-1.7	-6.7	1.0	-0.8	-1.1	-1.2	-0.9	-2.2	-0.2
4	All	-0.5	-0.7	-1.1	-0.5	-1.3	0.0	-0.6	-0.9	-1.0	-0.7	-2.0	-0.1
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-0.3	-0.4	-0.3	1.0	-0.1	0.7	-0.3	-0.3	-0.3	0.2	-0.3	0.0
5	C	1.6	5.2	-5.8	9.1	-10.7	4.0	-0.4	-0.4	-0.5	0.2	-0.8	-0.1
5	All	0.2	0.8	-1.0	1.7	-1.8	0.8	-0.4	-0.4	-0.5	0.2	-0.8	-0.1
6	W	1.0	1.3	0.7	0.4	2.0	0.0	0.3	0.5	0.3	0.5	0.5	0.0
6	AN	5.0	6.9	6.1	6.1	18.3	1.4	0.6	0.6	0.7	0.6	1.2	0.2
6	BN	-3.5	-2.6	2.0	8.9	28.5	4.8	0.1	0.2	0.4	0.3	0.9	0.1
6	D	-0.5	4.8	16.5	10.2	24.7	5.3	0.0	0.1	0.7	0.3	1.0	0.0
6	C	-1.9	-1.3	1.5	1.0	0.0	2.3	0.0	0.7	0.9	0.8	0.9	0.3
6	All	-0.1	1.7	5.3	5.0	13.6	2.6	0.0	0.3	0.5	0.3	0.3	0.0
7	W	65.1	67.0	69.9	24.5	75.5	0.0	0.9	1.1	1.2	0.5	2.1	0.0
7	AN	33.1	40.6	47.8	32.8	51.9	4.6	0.6	0.7	1.2	0.1	2.7	0.2
7	BN	23.5	26.7	28.0	16.1	28.3	17.0	0.2	0.4	1.2	0.6	3.5	0.2
7	D	9.2	11.4	12.8	8.5	12.8	5.1	0.2	0.6	1.8	0.6	3.0	0.3
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	2.9	1.5	4.1	0.4
7	All	30.3	32.9	35.3	16.4	37.5	4.8	-0.2	0.3	1.0	0.4	2.3	0.2
8	W	23.0	26.6	45.3	12.5	53.1	-0.8	0.4	0.5	0.8	0.3	1.4	0.0
8	AN	30.9	38.4	56.7	14.8	59.7	13.7	0.1	0.2	1.3	0.1	2.3	0.1
8	BN	36.0	39.6	44.4	15.4	44.4	10.2	-0.2	0.2	0.7	0.2	2.3	-0.1
8	D	9.5	13.8	13.9	9.2	13.9	-6.7	0.1	0.4	1.1	0.5	2.1	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.1	1.3	0.8	3.4	0.4
8	All	19.6	23.2	32.1	10.5	34.9	1.8	-0.7	-0.3	0.3	0.1	1.4	0.1
9	W	-2.3	1.8	6.7	6.3	16.6	-0.6	0.1	0.2	0.4	0.3	0.6	0.0
9	AN	15.6	19.2	63.9	5.6	63.1	3.1	-0.3	-0.4	-0.2	-0.3	0.2	-0.4
9	BN	20.4	38.9	51.5	6.1	53.3	3.1	-0.2	0.1	0.4	0.0	1.0	0.1
9	D	16.1	25.5	25.8	18.6	30.8	-1.4	0.0	0.2	0.4	0.3	1.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	2.9	4.0	4.8	2.5	4.8	-0.2	-0.8	-0.3	0.1	0.5	3.4	0.2
9	All	9.0	16.4	25.9	8.3	30.3	0.4	-0.3	-0.1	0.1	0.2	1.1	0.0
10	W	-1.2	0.0	0.5	-0.4	4.8	0.5	0.0	0.0	0.2	0.1	0.5	0.1
10	AN	1.3	4.6	10.5	2.2	17.2	1.1	-4.0	-2.7	-2.6	-0.6	-3.1	-0.3
10	BN	-1.1	-0.9	3.4	0.9	18.6	-0.2	0.4	0.7	0.6	0.3	2.3	0.0
10	D	0.0	1.0	3.1	0.7	12.0	1.3	0.1	0.0	0.0	-0.1	-0.2	-0.2
10	C	0.0	4.6	11.5	4.8	27.4	-0.2	0.0	0.0	0.3	0.1	1.8	0.0
10	All	-0.4	1.4	4.6	1.3	14.2	0.5	-1.0	-0.6	-0.5	-0.2	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.1	-1.1	-0.8	0.0	-0.6	0.0	-0.8	-0.8	-0.8	0.0	0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.8	-0.8	-0.8	0.0	0.6	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-312. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Yuba River at Smartsville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0
8	All	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0
9	All	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.6	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-313. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Yuba River above Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.0
7	AN	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	3.4	3.0	3.4	28.4	0.0	-0.1	-0.2	-0.6	-0.2	0.3	0.0
7	All	0.0	0.6	0.5	0.6	4.9	0.0	-0.1	-0.2	-0.6	-0.2	0.2	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.6	2.2	3.0	36.9	0.0	-15.3	-15.6	-15.8	-6.8	-13.2	0.0
8	All	0.0	0.1	0.4	0.5	6.0	0.0	-15.3	-15.6	-15.8	-6.8	-13.2	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.3	0.3	0.3	-5.6	0.6	-5.6	1.1	1.1	1.2	-0.9	0.6	-0.9
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-4.4	-4.8	-4.4	0.0	22.5	0.0	-6.1	-6.4	-6.4	0.2	-1.9	0.0
9	All	-0.7	-0.7	-0.7	-0.7	3.7	-0.7	-2.8	-2.8	-2.8	2.6	0.0	2.4

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-314. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Yuba River below Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.6	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
6	All	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-6.0	-3.4	-6.5	1.8	19.4	0.0	1.6	-1.9	-2.2	-0.2	-0.8	0.0
7	All	-1.0	-0.6	-1.1	0.3	3.2	0.0	1.6	-1.9	-2.2	-0.2	-0.8	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	3.6	1.4	3.8	37.3	0.0	-12.4	-15.6	-15.8	-7.4	-12.9	0.0
8	All	0.0	0.6	0.2	0.6	6.1	0.0	-12.4	-15.6	-15.8	-7.4	-12.9	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	0.0	0.0	0.3	-5.3	0.6	-5.8	1.2	1.2	1.1	-0.7	0.6	-1.2
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-3.5	-3.3	-2.7	0.6	25.0	0.0	-6.6	-6.8	-6.8	-0.5	-2.5	0.0
9	All	-0.6	-0.5	-0.4	-0.5	4.1	-0.7	-3.1	-3.2	-3.3	1.7	-0.3	2.6

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-315. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Immigration, Yuba River at Marysville Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-2.8	-2.8	-3.0	-0.4	-3.2	0.0	-0.4	-0.9	-0.9	-0.2	-0.9	0.0
5	All	-0.5	-0.5	-0.5	-0.1	-0.5	0.0	-0.4	-0.9	-0.9	-0.2	-0.9	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
6	D	0.3	0.6	7.6	4.7	13.6	0.8	0.1	0.3	0.6	0.3	0.5	0.3
6	C	2.1	11.7	20.6	9.0	21.0	5.2	-0.5	-0.2	-0.6	0.4	-0.6	0.1
6	All	0.4	2.0	5.1	2.5	6.9	1.0	-0.4	-0.2	-0.7	0.1	-0.9	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	3.3	4.5	5.3	0.3	22.3	0.0	0.5	0.5	0.6	0.3	0.9	0.0
7	AN	9.7	9.9	20.4	0.0	47.3	1.3	0.7	1.0	1.2	0.0	1.6	0.4
7	BN	3.8	7.3	21.1	10.0	75.1	3.0	0.1	0.9	0.7	0.2	1.4	-0.1
7	D	1.2	11.9	46.5	15.1	76.5	3.8	0.1	0.2	0.8	0.3	1.4	0.1
7	C	10.1	19.8	28.8	13.1	28.8	0.6	-0.2	1.0	1.9	1.2	3.0	0.5
7	All	4.8	9.8	23.1	7.5	48.3	1.7	-0.4	0.3	0.4	0.5	0.4	0.2
8	W	0.8	1.1	1.7	0.0	9.7	0.0	0.3	0.3	0.4	0.0	0.7	0.0
8	AN	0.0	0.0	21.8	0.0	38.2	0.0	0.3	0.5	1.0	0.5	1.9	0.5
8	BN	1.3	6.3	16.7	3.2	58.8	2.9	0.0	0.2	0.5	0.0	1.1	0.1
8	D	3.8	12.2	30.8	13.5	62.9	2.6	0.0	0.0	0.4	0.2	0.7	0.2
8	C	5.4	17.3	27.2	11.9	32.3	2.0	-2.0	-0.9	-0.1	0.2	1.8	0.4
8	All	2.2	7.0	17.6	5.6	37.8	1.4	-1.7	-1.1	-0.9	-0.3	-0.6	0.1
9	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	4.7	0.3	13.6	-1.7	0.9	1.0	-0.4	-1.6	-1.1	-2.1
9	BN	0.2	1.9	5.4	1.5	19.3	1.3	0.1	0.0	0.1	0.1	0.5	0.2
9	D	0.6	3.2	7.1	6.8	18.2	1.8	-0.1	-0.2	0.0	0.0	0.2	-0.2
9	C	-4.4	5.8	16.3	4.2	50.0	5.2	-2.2	-1.8	-1.7	0.5	1.0	-0.3
9	All	-0.5	2.0	5.8	2.5	17.5	1.3	-1.6	-1.5	-1.6	-0.3	-0.2	-0.6

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-316. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Yuba River at Smartsville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.4	0.0
7	AN	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-1.2	2.0	-0.2	1.8	8.1	0.0	-0.2	0.1	-0.1	0.1	0.4	0.0
7	All	-0.2	0.3	0.0	0.3	2.4	0.0	-0.2	0.1	-0.1	0.1	0.4	0.0
8	W	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0
8	AN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.0	-5.0	-5.0	0.0	22.6	0.0	-3.0	-2.5	-2.7	-1.1	-0.8	0.0
8	All	-0.5	-0.8	-0.8	0.0	3.9	0.0	-3.0	-2.5	-2.7	-1.1	-0.8	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	-0.3	-0.3	-0.3	0.6	-0.3	0.6	1.1	1.2	1.3	-1.9	1.0	-2.7
9	BN	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-2.3	-3.5	-2.9	0.0	26.7	0.0	-2.3	-2.5	-2.5	0.7	0.6	0.0
9	All	-0.4	-0.6	-0.5	0.1	4.8	0.1	-0.3	0.2	0.0	-0.5	-0.2	-1.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-317. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Yuba River above Daguerre Point Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	2.4	6.9	-0.6	11.7	-3.4	0.4	-0.7	-0.8	-0.8	-0.4	-0.9	0.0
5	All	0.4	1.1	-0.1	1.9	-0.6	0.1	-0.7	-0.8	-0.8	-0.4	-0.9	0.0
6	W	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	AN	0.0	0.3	0.6	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.7	0.0
6	BN	0.0	0.2	2.4	1.5	21.9	0.0	0.0	0.0	0.3	0.3	1.2	0.0
6	D	2.1	5.9	25.2	8.6	45.2	1.1	0.1	0.2	0.6	0.3	0.9	0.1
6	C	7.1	20.0	32.3	14.4	35.0	2.9	0.1	0.5	0.5	0.5	0.7	0.1
6	All	1.6	4.7	11.5	4.6	21.3	0.7	0.1	0.3	0.2	0.3	0.2	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	42.9	52.5	59.5	17.4	80.0	0.0	0.4	0.5	0.5	0.3	1.3	0.1
7	AN	20.2	26.6	40.6	11.8	74.7	1.1	0.6	0.6	1.3	0.2	2.2	0.2
7	BN	16.3	22.0	50.5	21.0	77.4	8.2	0.2	0.4	0.8	0.3	2.6	0.0
7	D	15.7	27.3	46.3	19.9	49.4	8.7	0.0	0.3	1.3	0.4	2.7	0.0
7	C	1.6	3.0	3.0	3.0	3.0	-1.2	0.2	1.3	2.5	1.0	4.1	0.2
7	All	22.4	30.0	43.4	15.6	59.4	3.4	-0.1	0.3	0.8	0.3	2.0	0.0
8	W	8.4	13.5	24.9	4.1	41.1	0.0	0.4	0.2	0.3	0.1	0.9	0.1
8	AN	9.9	16.9	46.0	8.6	68.0	3.8	0.0	0.0	1.0	0.0	1.7	0.0
8	BN	21.9	41.2	52.3	17.6	61.6	7.0	-0.1	0.1	0.5	0.2	2.0	0.1
8	D	10.9	23.0	35.2	14.4	37.7	-7.0	0.1	0.2	0.8	0.4	1.9	0.1
8	C	0.6	0.6	0.6	0.6	0.6	-0.4	-1.1	-0.2	0.6	0.4	3.4	0.2
8	All	10.3	19.1	30.9	8.9	40.8	0.1	-0.6	-0.3	0.1	0.1	1.4	0.1
9	W	-1.1	0.7	6.4	8.4	15.3	-0.9	-0.1	0.0	0.2	0.2	0.4	0.0
9	AN	8.1	10.0	56.1	4.7	57.5	4.2	-0.4	-0.4	-1.0	-0.5	-0.5	-0.8
9	BN	17.0	36.5	55.4	10.0	58.0	5.0	-0.2	-0.1	0.2	-0.1	0.8	0.1
9	D	9.2	23.6	27.9	18.8	38.8	-2.9	0.1	0.1	0.3	0.2	0.8	0.1
9	C	4.8	6.7	9.6	3.5	9.6	-0.4	-0.7	-0.3	0.0	0.2	3.3	0.1
9	All	6.6	14.5	26.8	9.8	32.7	0.4	-0.3	-0.2	0.0	0.0	1.0	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-318. Water Temperature Index Value Analysis Results, Spring-Run Chinook Salmon, Adult Holding, Yuba River below Daguerre Point Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
5	C	4.8	9.3	2.2	13.1	-2.6	1.6	-0.7	-0.7	-0.9	-0.3	-0.9	-0.1
5	All	0.8	1.5	0.4	2.2	-0.4	0.3	-0.7	-0.7	-0.9	-0.3	-0.9	-0.1
6	W	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	AN	0.0	0.3	1.1	0.3	10.8	0.0	0.0	0.0	0.3	0.0	0.7	0.0
6	BN	0.4	0.6	4.3	2.6	23.1	0.0	0.0	0.3	0.4	0.4	1.2	0.0
6	D	2.9	7.4	27.7	11.5	45.0	2.4	0.1	0.1	0.6	0.3	0.9	0.0
6	C	5.6	17.7	28.3	12.3	30.4	1.9	0.1	0.5	0.5	0.6	0.8	0.2
6	All	1.6	4.7	11.8	5.1	20.7	0.9	0.0	0.3	0.2	0.3	0.2	0.1
7	W	34.1	43.7	50.5	14.6	78.1	0.1	0.3	0.4	0.4	0.2	1.1	0.1
7	AN	19.1	23.4	40.3	10.5	73.7	1.9	0.7	0.7	1.3	0.2	2.2	0.3
7	BN	12.9	18.3	45.7	16.7	81.5	5.4	0.2	0.4	0.8	0.4	2.4	0.1
7	D	14.4	31.1	54.3	24.5	60.9	8.8	0.0	0.2	1.2	0.3	2.5	0.0
7	C	6.0	9.5	10.3	8.5	10.3	0.2	-0.5	0.2	1.4	0.3	3.1	0.2
7	All	19.4	28.1	42.7	15.7	63.2	3.3	-0.5	-0.3	0.3	-0.1	1.3	0.0
8	W	6.6	10.1	21.5	2.9	36.8	0.1	0.6	0.3	0.4	0.2	0.9	0.0
8	AN	8.9	12.9	46.0	7.8	66.4	2.7	-0.1	0.0	0.9	0.0	1.7	0.1
8	BN	20.4	40.3	52.9	17.0	65.1	5.9	-0.1	0.0	0.5	0.2	1.9	0.1
8	D	10.6	24.2	36.7	15.5	40.5	-6.3	0.0	0.2	0.7	0.3	1.8	0.1
8	C	1.0	1.6	1.6	1.6	1.6	0.0	-0.9	-0.2	0.6	0.4	3.5	0.2
8	All	9.4	17.8	30.4	8.7	40.7	0.0	-0.5	-0.4	0.1	0.1	1.3	0.1
9	W	-5.2	-2.2	2.7	6.9	13.3	-0.9	0.0	0.1	0.3	0.2	0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	12.5	16.9	63.6	6.1	61.4	6.9	-0.4	-0.5	-0.6	-0.4	0.0	-0.7
9	BN	20.4	41.1	51.7	8.0	53.9	5.2	-0.2	0.0	0.4	0.0	1.0	0.1
9	D	14.7	26.1	28.2	18.2	33.8	-1.8	0.0	0.1	0.3	0.2	0.9	0.1
9	C	2.9	4.6	5.0	2.3	5.0	-0.6	-0.7	-0.2	0.2	0.3	3.4	0.1
9	All	7.4	15.5	25.2	8.8	29.9	1.0	-0.2	-0.1	0.1	0.1	1.2	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Fall-Run Chinook Salmon

Table H1b-319. Summary of Potential Effects of Flow Scenarios on Fall-Run Chinook Salmon, Yuba River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	3.8%	2.5%	2.5%	2.5%	0.0%	2.5%
[b] Unfavorable	0.0%	0.0%	1.3%	0.0%	12.5%	0.0%
Adult Holding						
Favorable	3.3%	3.3%	3.3%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	26.7%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	1.7%	0.0%	11.7%	0.0%
Fry and Juvenile Rearing and Emigration						
Favorable	0.0%	0.0%	1.4%	0.0%	2.1%	0.0%
Unfavorable	0.0%	0.7%	2.1%	1.4%	5.7%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-320. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Yuba River at Smartsville, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-2.8	4.9	10.1	10.8	23.2	6.5	-0.3	-0.2	0.1	0.0	0.4	0.0
10	AN	-16.4	-10.5	-4.6	0.8	10.2	2.7	-0.2	0.0	0.5	0.2	0.7	0.1
10	BN	-8.6	3.4	18.1	2.0	39.4	9.9	-0.1	0.0	0.3	0.1	1.2	-0.1
10	D	-7.2	1.8	12.6	10.6	27.1	5.3	0.1	0.1	0.2	0.1	0.5	0.0
10	C	-10.7	3.6	22.8	9.9	33.9	6.5	0.2	0.3	0.6	0.3	1.8	0.0
10	All	-7.8	1.8	12.4	7.7	27.2	6.4	-0.1	0.0	0.3	0.1	0.9	0.0
11	W	-4.1	-3.4	-3.3	-0.3	1.1	1.2	0.1	-0.2	0.1	0.0	0.3	-0.1
11	AN	1.4	2.5	6.7	1.4	9.7	0.3	-1.3	-1.0	-0.7	-0.2	-1.0	-0.1
11	BN	-2.4	-2.4	0.2	0.0	10.9	0.2	0.0	0.0	0.0	0.0	0.5	-0.1
11	D	0.3	0.3	1.7	1.2	4.8	3.0	0.2	0.2	0.2	0.1	0.9	0.3
11	C	-1.3	2.7	8.5	2.5	25.6	0.8	-0.2	-0.1	0.2	0.0	0.8	-0.1
11	All	-1.7	-0.7	1.6	0.7	8.8	1.3	-0.3	-0.2	-0.1	-0.1	0.1	-0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-321. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Spawning, Egg Incubation, and Alevins, Yuba River above Daguerre Point Dam, 55.4 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-1.0	0.1	-0.2	0.1	0.8	0.5	-0.2	-0.1	0.2	0.2	0.8	0.2
10	AN	-1.6	-0.8	-0.5	0.5	1.6	0.5	-0.5	-0.1	0.4	0.2	1.0	0.1
10	BN	-2.7	-2.5	-1.6	0.0	-0.2	-0.2	-0.2	0.0	0.5	0.1	1.9	0.1
10	D	-1.9	-1.5	0.4	-1.5	1.3	-0.9	-0.1	0.1	0.4	0.3	1.1	0.2
10	C	0.0	0.2	0.2	0.2	0.2	0.0	-0.1	0.3	1.0	0.4	2.4	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	All	-1.4	-0.8	-0.3	-0.2	0.7	0.0	-0.2	0.0	0.5	0.2	1.4	0.2
11	W	-7.8	-8.8	-7.3	-3.6	-5.0	4.6	-0.2	-0.2	-0.1	0.0	0.1	0.0
11	AN	-3.3	-2.2	-1.4	-1.4	2.8	1.9	-0.3	-0.1	0.2	0.1	0.2	0.0
11	BN	-7.2	-5.4	-0.7	-1.9	13.9	2.4	-0.2	-0.1	0.2	0.0	0.5	0.0
11	D	-8.3	-6.8	-4.4	2.6	2.7	1.1	-0.1	0.0	0.1	0.0	0.3	0.2
11	C	-6.5	0.2	9.6	5.0	24.6	2.7	0.0	0.2	0.4	0.2	1.0	0.1
11	All	-7.0	-5.4	-2.0	-0.2	6.0	2.8	-0.1	0.0	0.1	0.0	0.4	0.0
12	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	-0.3	0.0	0.0	0.3	0.3	0.0	-1.0	-1.0	-1.0	-0.5	-1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	-0.5	-0.5	0.0	-0.5	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
2	All	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0
3	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	-0.9	-0.9	-0.9	-0.9	-0.9	-0.2	-0.4	-0.4	-0.4	-0.4	-0.4	0.1
3	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
3	C	-1.8	-2.2	-2.8	-1.8	-3.8	0.8	0.2	0.2	-0.1	0.2	-0.4	0.2
3	All	-0.7	-0.7	-0.8	-0.7	-1.0	0.1	0.3	0.4	0.0	0.3	-0.3	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-322. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River at Smartsville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-323. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River above Daguerre Point Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
4	C	-1.5	-2.3	-4.0	-1.7	-5.2	0.0	-0.6	-0.6	-1.0	-0.6	-1.6	0.0
4	All	-0.4	-0.6	-0.9	-0.5	-1.1	-0.2	-0.4	-0.5	-0.8	-0.5	-1.5	0.2
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	2.4	6.9	-0.6	11.7	-3.4	0.4	-0.7	-0.8	-0.8	-0.4	-0.9	0.0
5	All	0.4	1.1	-0.1	1.9	-0.6	0.1	-0.7	-0.8	-0.8	-0.4	-0.9	0.0
6	W	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	AN	0.0	0.3	0.6	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.7	0.0
6	BN	0.0	0.2	2.4	1.5	21.9	0.0	0.0	0.0	0.3	0.3	1.2	0.0
6	D	2.1	5.9	25.2	8.6	45.2	1.1	0.1	0.2	0.6	0.3	0.9	0.1
6	C	7.1	20.0	32.3	14.4	35.0	2.9	0.1	0.5	0.5	0.5	0.7	0.1
6	All	1.6	4.7	11.5	4.6	21.3	0.7	0.1	0.3	0.2	0.3	0.2	0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-324. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River below Daguerre Point Dam, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-1.3	-1.7	-1.7	-1.5	-1.7	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
4	All	-0.2	-0.3	-0.3	-0.2	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-1.4	-1.6	-1.8	-0.4	-1.8	0.0	-0.4	-0.9	-0.9	-0.6	-0.9	0.0
5	All	-0.2	-0.3	-0.3	-0.1	-0.3	0.0	-0.4	-0.9	-0.9	-0.6	-0.9	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	D	0.0	0.2	2.4	0.2	7.3	0.0	0.0	0.0	0.6	0.0	0.5	0.0
6	C	3.1	14.4	18.3	14.2	26.5	2.9	-0.1	-0.1	-0.4	0.0	-0.3	-0.2
6	All	0.5	2.4	3.5	2.3	6.1	0.5	-0.1	-0.2	-0.5	0.0	-0.5	-0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-325. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Fry and Juvenile Rearing and Emigration, Yuba River at Marysville, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
4	C	-1.7	-3.1	-5.6	-1.7	-6.7	1.0	-0.8	-1.1	-1.2	-0.9	-2.2	-0.2
4	All	-0.5	-0.7	-1.1	-0.5	-1.3	0.0	-0.6	-0.9	-1.0	-0.7	-2.0	-0.1
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	-0.3	-0.4	-0.3	1.0	-0.1	0.7	-0.3	-0.3	-0.3	0.2	-0.3	0.0
5	C	1.6	5.2	-5.8	9.1	-10.7	4.0	-0.4	-0.4	-0.5	0.2	-0.8	-0.1
5	All	0.2	0.8	-1.0	1.7	-1.8	0.8	-0.4	-0.4	-0.5	0.2	-0.8	-0.1
6	W	1.0	1.3	0.7	0.4	2.0	0.0	0.3	0.5	0.3	0.5	0.5	0.0
6	AN	5.0	6.9	6.1	6.1	18.3	1.4	0.6	0.6	0.7	0.6	1.2	0.2
6	BN	-3.5	-2.6	2.0	8.9	28.5	4.8	0.1	0.2	0.4	0.3	0.9	0.1
6	D	-0.5	4.8	16.5	10.2	24.7	5.3	0.0	0.1	0.7	0.3	1.0	0.0
6	C	-1.9	-1.3	1.5	1.0	0.0	2.3	0.0	0.7	0.9	0.8	0.9	0.3
6	All	-0.1	1.7	5.3	5.0	13.6	2.6	0.0	0.3	0.5	0.3	0.3	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-326. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Yuba River at Smartsville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0
8	All	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0
9	All	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.6	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-327. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Yuba River above Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.6	2.2	3.0	36.9	0.0	-15.3	-15.6	-15.8	-6.8	-13.2	0.0
8	All	0.0	0.1	0.4	0.5	6.0	0.0	-15.3	-15.6	-15.8	-6.8	-13.2	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.3	0.3	0.3	-5.6	0.6	-5.6	1.1	1.1	1.2	-0.9	0.6	-0.9
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-4.4	-4.8	-4.4	0.0	22.5	0.0	-6.1	-6.4	-6.4	0.2	-1.9	0.0
9	All	-0.7	-0.7	-0.7	-0.7	3.7	-0.7	-2.8	-2.8	-2.8	2.6	0.0	2.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-5.4	-5.4	0.0	-2.4	0.0	-2.9	-1.9	-2.4	0.1	-0.6	0.0
10	BN	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
10	D	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	1.5	0.0
10	All	-0.7	-0.6	-0.6	0.0	0.9	0.0	-2.9	-2.2	-2.5	0.1	-1.5	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-328. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Yuba River below Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	3.6	1.4	3.8	37.3	0.0	-12.4	-15.6	-15.8	-7.4	-12.9	0.0
8	All	0.0	0.6	0.2	0.6	6.1	0.0	-12.4	-15.6	-15.8	-7.4	-12.9	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.3	-5.3	0.6	-5.8	1.2	1.2	1.1	-0.7	0.6	-1.2
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-3.5	-3.3	-2.7	0.6	25.0	0.0	-6.6	-6.8	-6.8	-0.5	-2.5	0.0
9	All	-0.6	-0.5	-0.4	-0.5	4.1	-0.7	-3.1	-3.2	-3.3	1.7	-0.3	2.6
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-5.4	-5.4	0.0	-2.2	0.0	-3.2	-2.2	-2.2	0.1	-0.9	0.0
10	BN	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0
10	D	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
10	All	-0.7	-0.6	-0.6	0.0	1.2	0.0	-3.2	-2.7	-2.7	0.1	-1.7	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-329. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Immigration, Yuba River at Marysville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.8	1.1	1.7	0.0	9.7	0.0	0.3	0.3	0.4	0.0	0.7	0.0
8	AN	0.0	0.0	21.8	0.0	38.2	0.0	0.3	0.5	1.0	0.5	1.9	0.5
8	BN	1.3	6.3	16.7	3.2	58.8	2.9	0.0	0.2	0.5	0.0	1.1	0.1
8	D	3.8	12.2	30.8	13.5	62.9	2.6	0.0	0.0	0.4	0.2	0.7	0.2
8	C	5.4	17.3	27.2	11.9	32.3	2.0	-2.0	-0.9	-0.1	0.2	1.8	0.4
8	All	2.2	7.0	17.6	5.6	37.8	1.4	-1.7	-1.1	-0.9	-0.3	-0.6	0.1
9	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	4.7	0.3	13.6	-1.7	0.9	1.0	-0.4	-1.6	-1.1	-2.1
9	BN	0.2	1.9	5.4	1.5	19.3	1.3	0.1	0.0	0.1	0.1	0.5	0.2
9	D	0.6	3.2	7.1	6.8	18.2	1.8	-0.1	-0.2	0.0	0.0	0.2	-0.2
9	C	-4.4	5.8	16.3	4.2	50.0	5.2	-2.2	-1.8	-1.7	0.5	1.0	-0.3
9	All	-0.5	2.0	5.8	2.5	17.5	1.3	-1.6	-1.5	-1.6	-0.3	-0.2	-0.6
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-1.1	1.3	0.0	-1.1	0.0	-5.3	-3.4	-3.9	0.1	-2.0	0.0
10	BN	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	2.6	0.0
10	D	0.0	0.0	0.0	-0.3	0.0	-0.3	1.0	1.0	1.0	-1.0	0.5	-1.0
10	C	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	3.1	0.0
10	All	-0.7	-0.1	0.2	-0.1	2.4	-0.1	-4.3	-3.0	-3.6	0.4	-2.3	0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-330. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Staging, Yuba River at Smartsville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.3	-0.3	-0.3	0.6	-0.3	0.6	1.1	1.2	1.3	-1.9	1.0	-2.7
9	BN	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-2.3	-3.5	-2.9	0.0	26.7	0.0	-2.3	-2.5	-2.5	0.7	0.6	0.0
9	All	-0.4	-0.6	-0.5	0.1	4.8	0.1	-0.3	0.2	0.0	-0.5	-0.2	-1.2
10	W	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0
10	AN	-8.3	-8.3	-8.3	0.0	-1.3	0.0	-3.0	-3.0	-3.0	0.1	-0.5	0.0
10	BN	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.9	0.0
10	D	0.0	0.0	0.0	0.0	0.0	-0.1	1.7	2.0	2.0	-1.3	0.0	-1.8
10	C	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	2.4	0.0
10	All	-1.0	-1.0	-1.0	0.0	2.0	0.0	1.1	1.4	1.4	0.0	-0.8	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	0.0	-0.3	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-331. Water Temperature Index Value Analysis Results, Fall-Run Chinook Salmon, Adult Staging, Yuba River above Daguerre Point Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-1.1	0.7	6.4	8.4	15.3	-0.9	-0.1	0.0	0.2	0.2	0.4	0.0
9	AN	8.1	10.0	56.1	4.7	57.5	4.2	-0.4	-0.4	-1.0	-0.5	-0.5	-0.8
9	BN	17.0	36.5	55.4	10.0	58.0	5.0	-0.2	-0.1	0.2	-0.1	0.8	0.1
9	D	9.2	23.6	27.9	18.8	38.8	-2.9	0.1	0.1	0.3	0.2	0.8	0.1
9	C	4.8	6.7	9.6	3.5	9.6	-0.4	-0.7	-0.3	0.0	0.2	3.3	0.1
9	All	6.6	14.5	26.8	9.8	32.7	0.4	-0.3	-0.2	0.0	0.0	1.0	0.1
10	W	-2.6	-0.6	1.0	-0.3	9.0	1.1	0.1	0.2	0.5	0.1	0.7	0.0
10	AN	1.6	5.6	13.2	2.4	22.6	1.3	-3.5	-2.5	-2.3	-0.6	-2.7	-0.3
10	BN	-0.4	0.4	4.5	2.3	26.7	-0.2	0.0	0.4	0.6	0.2	2.0	0.0
10	D	0.1	1.0	3.4	0.3	14.1	0.7	0.1	0.0	-0.1	-0.1	-0.1	-0.1
10	C	0.0	5.2	15.9	5.6	36.5	0.4	0.1	0.2	0.4	0.2	1.9	-0.1
10	All	-0.6	1.6	6.1	1.6	19.6	0.7	-0.9	-0.6	-0.5	-0.2	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-2.8	-1.7	-0.6	0.0	-1.1	0.0	-1.3	-0.6	-0.7	0.0	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0
11	All	-0.3	-0.2	-0.1	0.0	0.3	0.0	-1.3	-0.6	-0.7	0.0	-0.5	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Central Valley Steelhead

Table H1b-332. Summary of Potential Effects of Flow Scenarios on Central Valley Steelhead, Yuba River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Adult Immigration						
[a] Favorable	1.9%	1.6%	1.6%	0.6%	0.0%	0.6%
[b] Unfavorable	0.0%	0.0%	0.3%	0.0%	3.1%	0.0%
Adult Holding						
Favorable	1.3%	0.6%	0.6%	0.0%	0.0%	0.0%
Unfavorable	0.6%	0.0%	5.0%	0.0%	15.6%	0.0%
Spawning, Egg Incubation, and Alevins						
Favorable	0.8%	1.7%	2.5%	1.7%	2.5%	0.0%
Unfavorable	3.3%	6.7%	9.2%	4.2%	10.8%	0.0%
Kelt Emigration						
Favorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Juvenile Rearing						
Favorable	1.5%	0.6%	0.6%	0.2%	0.2%	0.2%
Unfavorable	0.2%	1.0%	2.5%	0.4%	7.7%	0.0%
Smoltification						
Favorable	1.4%	5.0%	6.4%	4.3%	6.4%	1.4%
Unfavorable	0.0%	0.0%	2.1%	0.0%	13.6%	0.0%
Smolt emigration (excluding migrant parr)						
Favorable	0.7%	0.7%	1.4%	0.0%	1.4%	0.0%
Unfavorable	0.0%	0.0%	0.0%	0.0%	5.7%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-333. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Yuba River at Smartsville, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-1.1	-1.5	-1.5	-1.5	-1.5	-0.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.1
4	C	-0.8	-0.4	-0.6	-0.8	-2.5	0.8	-0.3	-0.2	-0.6	-0.5	-0.8	-0.2
4	All	-0.4	-0.4	-0.4	-0.5	-0.7	0.0	-0.6	-0.4	-0.8	-0.6	-1.0	-0.4

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.4	0.2	0.5	0.4	0.4	0.2	0.3	0.5	0.8	0.3	0.7	0.5
5	D	0.7	0.1	4.4	3.4	5.1	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.3
5	C	11.7	21.0	22.4	18.8	20.6	5.4	-0.2	-0.2	-0.4	0.0	-0.5	-0.2
5	All	2.1	3.5	4.7	3.9	4.6	0.9	-0.2	-0.2	-0.4	-0.1	-0.5	-0.2
6	W	12.2	15.8	14.1	10.7	25.1	-0.3	0.0	0.1	0.1	0.0	0.3	0.0
6	AN	12.2	20.6	27.5	17.5	46.9	1.1	0.5	0.5	0.6	0.4	1.1	0.1
6	BN	10.0	21.3	36.7	26.1	64.8	4.4	0.4	0.4	0.5	0.3	1.2	0.0
6	D	7.6	20.3	47.6	18.9	59.2	1.2	0.2	0.3	0.6	0.4	1.2	0.1
6	C	11.7	18.8	20.4	14.0	22.7	3.3	0.2	0.7	1.1	0.6	1.4	0.1
6	All	10.7	18.9	28.4	16.7	42.3	1.7	0.1	0.2	0.4	0.2	0.8	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-334. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Yuba River above Daguerre Point Dam, 53 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	0.0	0.4	0.4	0.4	1.5	-0.2	0.0	0.1	0.1	0.1	0.4	0.2
2	All	0.0	0.1	0.1	0.1	0.3	0.0	0.0	0.1	0.1	0.1	0.4	0.2
3	W	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	AN	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	BN	-1.8	-1.8	-2.0	-1.8	-2.0	-0.2	-0.7	-0.7	-0.7	-0.7	-0.7	0.1
3	D	-2.1	-3.1	-3.4	-3.1	-3.4	0.0	-0.3	0.0	-0.5	0.0	-0.5	0.0
3	C	-5.6	-7.1	-10.1	-6.3	-10.7	0.8	0.0	0.0	0.1	0.1	-0.2	0.1
3	All	-1.7	-2.2	-2.8	-2.0	-2.9	0.1	0.0	0.0	0.2	0.1	-0.1	0.1
4	W	1.9	-0.1	-1.0	-0.9	-1.2	0.1	0.1	0.0	0.0	0.5	-0.5	0.0
4	AN	2.8	-2.8	-3.9	-2.8	-4.7	-4.7	-0.6	-0.7	-0.9	-0.8	-1.2	-1.2
4	BN	-6.3	-11.5	-14.8	-12.4	-15.9	-13.3	-0.3	-0.7	-1.0	-0.9	-1.2	-0.4
4	D	-23.6	-33.6	-36.1	-28.5	-38.2	-16.2	-0.4	-0.5	-0.7	-0.5	-0.9	0.0
4	C	-16.3	-31.0	-45.4	-18.3	-55.4	0.4	-0.5	-0.6	-0.7	-0.5	-0.8	0.2
4	All	-8.2	-15.1	-19.0	-12.3	-21.5	-6.6	-0.4	-0.4	-0.3	-0.2	-0.4	0.3
5	W	1.9	-0.1	-1.2	-0.9	-0.4	-0.1	0.2	0.0	-0.3	-0.4	-0.2	0.0
5	AN	5.9	1.9	-1.6	3.2	-2.2	-1.3	0.4	0.1	-0.2	-0.1	-0.1	0.0
5	BN	8.4	7.2	3.9	6.5	6.8	-1.3	0.0	0.0	0.1	0.0	0.2	0.0
5	D	-3.2	-9.8	-7.9	-5.0	-11.0	-3.1	0.1	0.0	0.3	0.3	0.4	0.0
5	C	-6.3	-9.1	-9.5	-6.7	-13.3	0.2	0.3	0.6	0.3	0.8	0.1	0.1
5	All	1.1	-2.2	-3.2	-0.9	-3.8	-1.1	0.1	0.2	0.2	0.4	0.2	0.1
6	W	16.7	20.0	21.4	19.6	24.9	-0.6	0.5	0.7	0.6	0.5	1.0	0.0
6	AN	10.8	13.3	13.6	10.3	15.0	-1.7	0.7	0.9	1.0	0.8	1.9	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	BN	5.9	8.7	9.1	7.2	10.4	1.9	0.3	0.6	1.0	0.8	2.2	0.3
6	D	5.0	5.5	6.2	5.2	6.7	1.2	0.2	0.6	1.5	0.8	2.3	0.2
6	C	0.4	0.4	0.4	0.4	0.4	-0.2	0.3	1.1	1.5	0.9	1.8	0.2
6	All	8.7	10.6	11.4	9.8	12.9	0.2	0.3	0.6	1.0	0.6	1.7	0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-335. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Yuba River at Smartsville, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-1.2	-1.6	-1.6	-1.4	-1.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
5	All	-0.2	-0.3	-0.3	-0.2	-0.3	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
6	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
6	BN	0.0	0.0	0.2	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
6	D	0.0	0.8	5.0	1.5	17.6	0.0	0.0	0.2	0.4	0.3	0.6	0.0
6	C	2.5	11.3	22.7	10.0	38.8	-0.4	-0.5	-0.6	-0.7	-0.6	-0.6	0.0
6	All	0.4	2.0	4.9	2.0	12.0	-0.1	-0.5	-0.6	-0.8	-0.6	-0.7	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-336. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Spawning, Egg Incubation, and Alevins, Yuba River above Daguerre Point Dam, 56 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	0.0	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
4	BN	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
4	D	-3.5	-3.8	-3.8	-3.8	-3.8	-1.7	-1.3	-1.3	-1.3	-1.3	-1.3	-0.6
4	C	-14.4	-17.1	-18.1	-14.0	-20.2	4.4	0.5	0.6	0.1	0.4	-0.5	0.0
4	All	-3.4	-3.9	-4.1	-3.4	-4.5	0.0	0.5	0.8	0.2	0.5	-0.4	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.2	0.2	0.4	0.2	0.2	0.0	0.5	0.5	0.7	0.5	0.5	1.0
5	D	1.2	-0.7	5.3	3.5	5.3	0.0	-0.1	-0.1	0.1	0.3	0.0	0.1
5	C	5.8	10.1	7.1	12.1	2.6	2.6	0.1	0.3	0.0	0.5	-0.2	0.1
5	All	1.3	1.5	2.4	2.8	1.6	0.4	0.0	0.3	-0.1	0.4	-0.3	0.1
6	W	7.9	11.3	11.2	7.4	18.1	0.0	0.5	0.6	0.5	0.3	0.8	0.0
6	AN	13.6	20.8	23.1	17.8	42.5	1.7	0.5	0.5	0.6	0.5	1.2	0.2
6	BN	4.6	16.3	29.1	23.9	53.9	6.3	0.0	0.1	0.3	0.3	1.3	0.1
6	D	10.0	19.1	28.9	19.7	35.8	6.4	0.0	0.1	0.9	0.3	1.5	0.0
6	C	0.6	3.1	5.4	2.7	5.0	0.6	0.4	1.0	1.4	0.9	1.7	0.2
6	All	7.3	13.8	19.0	13.7	29.5	2.9	-0.1	0.1	0.5	0.2	0.8	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-337. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River at Smartsville, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-338. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River above Daguerre Point Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-339. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River below Daguerre Point Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-340. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River at Maryville, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.
[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-341. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River at Smartsville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-342. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River above Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-343. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River below Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-344. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Kelt Emigration, Yuba River at Marysville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.8	-0.8	-0.8	-0.8	-0.8	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-2.8	-2.8	-3.0	-0.4	-3.2	0.0	-0.4	-0.9	-0.9	-0.2	-0.9	0.0
5	All	-0.5	-0.5	-0.5	-0.1	-0.5	0.0	-0.4	-0.9	-0.9	-0.2	-0.9	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-345. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River at Smartsville, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-1.6	-1.6	-1.6	-1.6	5.6	0.0	-0.1	-0.1	-0.1	-0.1	2.9	0.0
8	All	-0.3	-0.3	-0.3	-0.3	0.9	0.0	-0.1	-0.1	-0.1	-0.1	2.9	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.3	-0.3	0.0	-5.6	0.3	-6.1	1.3	1.3	1.2	-1.3	0.7	-1.3
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-1.7	-1.7	-1.7	1.0	11.3	0.0	-1.0	-1.0	-1.0	0.2	1.8	0.0
9	All	-0.3	-0.3	-0.3	-0.5	1.9	-0.7	1.4	1.4	1.3	-0.2	1.4	-0.2
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-4.0	-4.0	-4.0	0.0	-1.1	0.0	-0.5	-0.5	-0.5	0.1	0.1	0.0
10	BN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	D	0.3	0.3	0.3	0.0	0.1	0.0	1.0	1.0	1.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
10	All	-0.4	-0.4	-0.4	0.0	0.1	0.0	0.5	0.5	0.5	0.1	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-346. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River above Daguerre Point, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	All	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.4	3.3	1.7	4.4	6.0	0.0	-0.3	-0.3	-0.6	-0.2	-0.5	0.0
6	All	0.1	0.5	0.3	0.7	1.0	0.0	-0.3	-0.3	-0.6	-0.2	-0.5	0.0
7	W	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.2	0.0
7	AN	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	1.1	0.0
7	BN	0.0	0.0	1.3	0.0	5.9	0.0	0.0	0.0	0.1	0.0	0.5	0.0
7	D	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
7	C	1.2	17.3	22.4	16.9	57.3	0.0	-0.5	-1.5	-1.9	-1.4	-0.9	0.0
7	All	0.2	2.8	3.9	2.8	11.8	0.0	-0.5	-1.5	-1.9	-1.4	-1.2	0.0
8	W	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8	AN	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.8	0.0
8	BN	0.0	0.0	0.4	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8	D	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0
8	C	2.0	10.1	18.8	14.5	50.0	0.8	-15.0	-15.7	-16.0	-11.7	-13.2	-1.8
8	All	0.3	1.6	3.1	2.4	9.5	0.1	-15.0	-15.7	-16.0	-11.7	-13.7	-1.8
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.3	-0.3	-0.3	-0.3	0.0	-2.5	1.1	1.2	1.2	-1.8	0.7	-2.3
9	BN	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0
9	D	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-1.0	0.4	2.1	4.2	32.9	1.3	-6.9	-7.1	-7.1	-2.9	-3.0	-1.3
9	All	-0.2	0.0	0.3	0.6	5.6	-0.1	-3.5	-3.7	-3.9	-1.9	-1.1	-0.7
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-7.0	-1.3	-0.5	0.0	-1.3	0.0	-4.6	-3.3	-3.5	0.1	-1.3	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	BN	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
10	D	0.1	0.1	0.1	-0.3	0.0	-0.3	0.7	0.7	0.7	-1.0	0.5	-1.0
10	C	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	2.8	0.0
10	All	-0.8	-0.1	0.0	-0.1	2.3	-0.1	-2.7	-3.0	-3.2	0.3	-1.8	0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-347. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River below Daguerre Point Dam, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	C	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
5	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.3	0.0
6	C	0.8	6.7	4.6	6.7	11.7	0.2	-0.2	-0.3	-0.5	-0.1	-0.5	0.0
6	All	0.1	1.1	0.9	1.1	2.0	0.0	-0.2	-0.3	-0.5	-0.1	-0.5	0.0
7	W	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	1.2	0.0
7	AN	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	BN	0.0	0.0	1.8	0.0	9.9	0.0	0.0	0.0	0.5	0.0	0.6	0.0
7	D	0.0	0.0	0.3	0.0	5.7	0.0	0.0	0.0	0.5	0.0	0.3	0.0
7	C	-11.9	5.0	19.8	4.8	53.8	0.4	1.1	-1.5	-2.1	-0.1	-1.0	-0.1
7	All	-1.9	0.8	3.6	0.8	13.4	0.1	1.1	-1.5	-2.2	-0.1	-1.4	-0.1
8	W	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.0
8	AN	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0
8	BN	0.0	0.0	0.7	0.0	4.1	0.0	0.0	0.0	0.3	0.0	0.6	0.0
8	D	0.1	0.1	0.1	0.1	2.9	0.1	0.0	0.0	1.0	1.0	0.5	0.0
8	C	2.0	12.9	23.8	12.7	51.8	6.0	-7.8	-9.5	-9.9	-5.9	-7.0	-3.9
8	All	0.4	2.1	4.0	2.1	10.6	1.0	-7.9	-9.5	-9.9	-6.0	-7.6	-4.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.3	-0.3	-0.3	0.0	0.6	-2.5	1.1	1.2	1.3	-1.8	0.5	-2.3
9	BN	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0
9	D	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0
9	C	-2.3	0.6	3.1	4.4	37.7	2.3	-5.3	-5.6	-5.7	-1.9	-2.1	-1.3
9	All	-0.4	0.1	0.5	0.7	6.7	0.1	-2.9	-3.3	-3.4	-1.5	-1.0	-1.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	AN	-6.5	-1.3	0.8	0.0	-0.8	0.0	-4.8	-3.3	-3.7	0.1	-1.6	0.0
10	BN	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	2.0	0.0
10	D	0.1	0.1	0.1	-0.3	0.0	-0.3	1.0	1.0	1.0	-1.0	0.5	-1.0
10	C	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	3.0	0.0
10	All	-0.8	-0.1	0.1	-0.1	2.5	-0.1	-3.3	-3.0	-3.4	0.3	-1.9	0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-348. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River at Marysville, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-2.7	-3.5	-4.4	-2.9	-4.4	0.0	-0.5	-0.7	-1.2	-0.4	-1.2	0.0
4	All	-0.5	-0.6	-0.7	-0.5	-0.7	0.0	-0.4	-0.7	-1.2	-0.3	-1.2	0.1
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	C	-2.6	-0.4	-4.4	4.4	-5.2	0.2	-0.9	-0.9	-0.8	-0.3	-1.3	0.1
5	All	-0.4	-0.1	-0.7	0.7	-0.9	0.0	-0.9	-0.9	-0.8	-0.3	-1.3	0.1
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	BN	0.0	0.0	0.0	0.2	10.4	0.0	0.0	0.0	0.0	0.0	0.8	0.0
6	D	-0.8	0.6	13.6	6.2	21.1	0.8	0.1	0.1	0.5	0.5	0.7	0.2
6	C	1.9	12.5	19.4	9.2	18.5	4.8	-0.3	-0.1	-0.1	0.4	-0.1	0.2
6	All	0.1	2.2	6.2	2.9	9.9	1.0	-0.2	0.0	-0.3	0.2	-0.5	0.2
7	W	4.1	5.6	7.3	0.8	25.9	0.0	0.6	0.6	0.6	0.1	1.0	0.0
7	AN	11.0	10.5	22.6	0.3	49.7	1.6	0.8	1.1	1.2	0.0	1.7	0.5
7	BN	4.1	8.6	22.2	11.3	81.4	2.9	0.1	0.8	0.8	0.2	1.4	0.0
7	D	2.2	15.4	49.1	15.8	74.5	4.7	0.0	0.1	0.8	0.3	1.4	0.1
7	C	8.1	17.3	23.6	9.7	23.6	-1.0	-0.1	1.1	2.1	1.3	3.2	0.5
7	All	5.2	10.9	24.0	7.5	49.5	1.6	-0.3	0.3	0.5	0.5	0.5	0.2
8	W	1.1	1.3	1.9	0.1	11.3	0.0	0.3	0.4	0.6	0.0	0.7	0.0
8	AN	0.0	0.0	25.5	0.0	39.5	0.0	0.0	0.3	0.8	0.5	1.7	0.3
8	BN	1.3	6.1	19.7	4.5	61.3	2.9	0.0	0.3	0.4	0.0	1.1	0.1
8	D	4.4	12.6	33.0	13.2	63.8	1.9	0.0	0.1	0.4	0.3	0.8	0.2
8	C	6.0	15.5	24.8	12.3	28.4	1.8	-1.9	-0.8	0.1	0.2	2.0	0.4
8	All	2.5	6.9	18.8	5.8	38.5	1.3	-1.5	-0.8	-0.8	-0.2	-0.4	0.2
9	W	0.0	0.1	0.6	0.9	1.4	0.0	0.0	0.0	0.2	0.3	0.2	0.0
9	AN	0.0	0.8	10.3	1.7	25.3	1.4	0.8	0.5	-1.2	-1.8	-1.8	-2.4
9	BN	0.9	6.9	15.4	0.9	35.7	3.1	-0.1	-0.1	0.0	0.1	0.4	0.0
9	D	1.4	6.2	9.7	7.6	26.4	0.0	0.1	0.1	0.3	0.3	0.5	0.2
9	C	-2.3	9.4	19.0	6.0	44.6	3.8	-1.7	-1.4	-1.2	0.4	1.7	0.0
9	All	0.1	4.3	9.5	3.3	23.3	1.4	-1.1	-1.0	-1.0	-0.1	0.2	-0.2
10	W	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.7	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	AN	-3.5	-0.3	4.8	0.0	1.6	0.0	-5.8	-3.6	-4.5	0.1	-3.1	0.0
10	BN	0.0	0.2	0.7	0.0	9.3	0.0	0.0	0.0	0.5	0.0	3.3	0.0
10	D	-0.1	-0.1	0.3	0.0	0.7	0.4	1.4	1.4	0.4	-0.8	-0.3	-1.1
10	C	0.0	0.4	1.4	0.4	12.7	0.0	0.0	0.0	0.3	0.0	2.9	0.0
10	All	-0.5	0.0	1.0	0.1	4.3	0.1	-4.8	-3.2	-4.1	-0.4	-3.1	-0.7
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-349. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River at Smartsville, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
8	All	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0
9	All	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-350. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River above Daguerre Point Dam, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-0.8	1.2	-1.0	1.2	13.7	0.2	0.0	0.3	-0.1	0.3	1.4	0.0
7	All	-0.1	0.2	-0.2	0.2	2.2	0.0	0.0	0.3	-0.1	0.3	1.4	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-1.0	-2.2	-1.8	0.6	17.7	0.0	-15.1	-15.1	-15.2	-3.4	-10.8	0.0
8	All	-0.2	-0.4	-0.3	0.1	2.9	0.0	-15.1	-15.1	-15.2	-3.4	-10.8	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	2.5	2.5	2.5	-2.8	1.9	-2.8	0.8	0.8	0.8	-0.4	0.4	-0.4
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-6.3	-6.3	-6.3	0.0	18.5	0.0	-5.8	-5.8	-5.8	0.2	-1.2	0.0
9	All	-0.7	-0.7	-0.7	-0.3	3.3	-0.3	-3.3	-3.2	-3.2	1.6	-0.3	1.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.1	-5.1	-5.1	0.0	-2.2	0.0	-2.3	-2.3	-2.3	0.1	-0.8	0.0
10	BN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
10	All	-0.6	-0.6	-0.6	0.0	0.3	0.0	-2.3	-2.3	-2.3	0.1	-1.1	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-351. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River below Daguerre Point Dam, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-3.2	-6.5	-7.9	0.0	6.7	0.0	1.0	-1.8	-1.9	0.2	-0.2	0.0
7	All	-0.5	-1.1	-1.3	0.0	1.1	0.0	1.0	-1.8	-1.9	0.2	-0.2	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	-0.8	-3.0	1.0	21.6	0.0	-12.4	-15.2	-15.1	-4.0	-11.1	0.0
8	All	0.0	-0.1	-0.5	0.2	3.5	0.0	-12.4	-15.2	-15.1	-4.0	-11.1	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	2.2	2.5	2.5	-3.3	2.2	-3.3	0.8	0.7	0.8	-0.7	0.4	-0.7
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-4.8	-5.0	-5.0	0.0	22.1	0.0	-6.1	-6.4	-6.2	0.1	-2.0	0.0
9	All	-0.5	-0.5	-0.5	-0.4	3.9	-0.4	-3.7	-3.7	-3.7	1.8	-0.8	1.7
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.1	-4.6	-4.8	0.0	-1.6	0.0	-2.6	-2.6	-2.6	0.1	-1.1	0.0
10	BN	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.5	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	1.2	0.0
10	All	-0.6	-0.6	-0.6	0.0	0.5	0.0	-2.6	-2.6	-2.6	0.1	-1.4	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-352. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Juvenile Rearing, Yuba River at Marysville, 69 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-0.6	-0.8	-0.8	0.2	-0.8	0.0	-1.5	-1.5	-1.5	-1.1	-1.5	0.0
5	All	-0.1	-0.1	-0.1	0.0	-0.1	0.0	-1.5	-1.5	-1.5	-1.1	-1.5	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.2	0.6	3.5	1.4	6.4	0.5	0.0	0.3	1.1	0.8	0.6	1.0
6	C	-1.9	7.7	14.8	7.3	16.3	5.8	-0.3	-0.2	-0.6	0.5	-0.7	0.0
6	All	-0.3	1.4	3.2	1.5	4.1	1.1	-0.3	-0.3	-0.7	0.3	-0.9	-0.1
7	W	0.5	0.6	1.0	0.0	6.9	0.0	0.4	0.5	0.4	0.0	0.9	0.0
7	AN	2.4	4.6	10.8	0.0	27.4	0.0	0.3	0.5	0.8	0.0	1.4	0.0
7	BN	0.4	4.8	7.0	1.3	49.1	0.0	0.3	1.0	1.4	0.5	1.4	0.0
7	D	1.2	4.5	35.5	8.7	70.2	1.8	-0.2	-0.2	0.3	-0.1	0.6	-0.1
7	C	7.7	24.4	47.6	18.3	51.4	8.3	-0.4	0.7	0.9	1.0	1.9	0.2
7	All	2.0	6.6	18.6	5.2	38.6	1.7	-0.5	0.2	-0.2	0.5	-0.4	0.1
8	W	0.0	0.0	0.1	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8	AN	0.0	0.0	9.9	0.0	29.6	0.0	0.0	0.0	0.8	0.0	1.3	0.0
8	BN	0.0	2.2	5.4	0.2	39.8	0.5	0.0	0.5	1.0	0.0	1.0	0.0
8	D	0.7	1.5	14.8	5.7	38.6	2.2	0.2	0.2	0.3	0.2	0.4	0.0
8	C	-5.0	14.9	36.1	7.7	53.2	8.9	-2.4	-1.6	-1.4	0.3	0.0	-0.2
8	All	-0.7	3.2	11.5	2.6	29.0	2.0	-2.3	-1.6	-2.0	-0.2	-2.1	-0.4
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.6	-0.3	0.3	-1.9	4.7	-4.7	1.2	1.1	1.0	-1.3	-0.2	-1.7
9	BN	0.0	0.0	0.2	0.0	5.6	0.2	0.0	0.0	0.0	0.0	0.6	0.0
9	D	0.0	0.0	1.1	0.2	4.5	-0.5	0.0	0.0	0.1	0.2	0.2	-0.3

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-7.5	1.3	10.6	5.4	44.8	1.7	-2.8	-2.6	-2.7	0.2	0.4	-0.1
9	All	-1.3	0.2	2.0	0.7	9.9	-0.4	-1.9	-1.9	-2.0	0.2	0.0	0.1
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-6.7	-1.6	-1.3	0.0	-1.6	0.0	-4.6	-3.2	-3.5	0.1	-1.6	0.0
10	BN	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	2.0	0.0
10	D	0.3	0.3	0.3	0.0	0.3	0.0	1.0	1.0	1.0	0.0	0.5	0.0
10	C	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	2.6	0.0
10	All	-0.8	-0.1	-0.1	0.0	2.0	0.0	-3.6	-3.2	-3.5	0.1	-2.2	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-353. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Yuba River at Smartsville, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-5.1	2.3	8.9	10.0	22.4	5.9	-0.2	-0.1	0.1	0.0	0.4	0.0
10	AN	-16.1	-9.9	-1.9	1.3	12.9	3.8	-0.2	0.0	0.4	0.2	0.7	0.1
10	BN	-8.4	2.5	18.1	2.5	40.7	7.7	-0.1	0.0	0.3	0.1	1.2	0.0
10	D	-7.3	2.2	12.8	10.6	27.3	4.4	0.1	0.1	0.2	0.0	0.5	0.1
10	C	-6.5	7.3	25.2	14.3	39.5	9.9	0.1	0.3	0.6	0.3	1.7	0.0
10	All	-7.8	1.6	12.8	8.4	28.5	6.3	-0.1	0.0	0.3	0.1	0.9	0.0
11	W	-4.3	-3.7	-3.4	-0.3	1.4	1.4	0.0	-0.2	0.1	0.0	0.2	-0.1
11	AN	1.1	2.5	6.4	1.1	10.0	0.0	-1.2	-0.9	-0.6	-0.1	-0.9	0.0
11	BN	-2.6	-2.6	0.4	-0.2	11.1	0.7	0.0	0.0	0.0	0.0	0.5	-0.1
11	D	-0.2	-0.3	1.4	0.6	4.2	2.9	0.2	0.2	0.3	0.2	0.9	0.3
11	C	-1.0	3.1	8.3	2.7	26.3	0.8	-0.3	-0.2	0.3	-0.1	0.8	-0.1
11	All	-1.9	-0.9	1.5	0.6	8.9	1.4	-0.3	-0.2	0.0	-0.1	0.1	-0.2
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	-0.3	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.5	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
4	C	-0.8	-0.4	-1.3	-1.0	-2.3	0.0	-0.5	-0.4	-0.9	-0.6	-1.1	0.0
4	All	-0.4	-0.3	-0.4	-0.4	-0.6	-0.2	-0.5	-0.4	-0.9	-0.6	-1.1	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-354. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Yuba River above Daguerre Point Dam, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-4.3	-2.4	-1.3	2.7	4.4	3.0	-0.1	0.0	0.2	0.1	0.8	0.1
10	AN	-1.1	0.5	3.0	1.6	5.1	1.9	-0.6	-0.2	0.3	0.2	0.8	0.1
10	BN	-6.1	-3.9	0.2	-0.9	5.7	1.8	-0.2	0.0	0.5	0.1	1.8	0.1
10	D	-2.9	-0.9	4.4	1.6	9.8	1.9	-0.1	0.1	0.4	0.2	1.0	0.1
10	C	-0.4	3.0	5.6	3.2	6.7	1.4	-0.1	0.2	0.8	0.4	2.2	0.1
10	All	-3.3	-1.1	1.9	1.7	6.3	2.1	-0.2	0.1	0.4	0.2	1.3	0.1
11	W	-3.8	-5.0	-4.3	-1.9	-1.1	3.2	-0.3	-0.3	-0.2	0.0	0.1	0.0
11	AN	-3.3	-1.7	0.8	-0.3	6.4	1.9	-0.4	-0.2	0.2	0.0	0.0	0.0
11	BN	-6.9	-4.4	0.4	-0.6	13.1	1.7	-0.2	-0.1	0.2	0.0	0.5	0.0
11	D	-3.9	-2.6	0.0	1.1	4.2	4.1	-0.1	0.1	0.1	0.0	0.3	0.0
11	C	-1.5	2.5	9.6	4.4	27.9	2.1	0.0	0.2	0.4	0.2	0.9	0.1
11	All	-3.9	-2.7	0.4	0.2	8.4	2.8	-0.2	-0.1	0.1	0.0	0.4	0.0
12	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	-0.3	0.0	0.0	0.3	0.3	0.0	-1.0	-1.0	-1.0	-0.5	-1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	-0.5	-0.5	0.0	-0.5	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	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	BN	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	D	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	C	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
2	All	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0
3	W	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	AN	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	BN	-0.7	-0.7	-0.7	-0.7	-0.7	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
3	D	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
3	C	-1.6	-1.6	-2.2	-1.4	-3.4	0.8	0.2	0.1	-0.2	0.2	-0.7	0.1
3	All	-0.4	-0.4	-0.5	-0.4	-0.7	0.1	0.3	0.2	-0.1	0.3	-0.6	0.1
4	W	0.3	-0.1	-0.2	-0.1	-0.3	0.0	0.2	0.7	-0.3	0.7	-0.3	0.0
4	AN	-0.6	-1.4	-1.9	-1.7	-1.9	-1.9	-0.6	-1.4	-1.4	-1.4	-1.4	-1.4
4	BN	-4.1	-7.6	-8.0	-8.0	-8.0	-7.0	-0.4	-0.9	-0.9	-0.9	-0.9	-0.5
4	D	-13.5	-16.8	-18.8	-15.5	-19.7	-6.7	-0.3	-0.8	-0.9	-0.5	-1.2	-0.2
4	C	-20.8	-31.9	-44.0	-21.0	-48.3	2.3	-0.4	-0.4	-0.1	-0.4	-0.3	0.2
4	All	-7.1	-10.6	-13.2	-8.6	-14.1	-2.7	-0.3	-0.2	0.1	-0.2	0.0	0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-355. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Yuba River below Daguerre Point, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-3.3	-1.6	-0.4	2.9	4.2	3.0	-0.1	0.0	0.2	0.1	0.7	0.1
10	AN	-0.3	0.3	2.7	2.2	4.6	1.9	-0.6	-0.2	0.3	0.2	0.9	0.1
10	BN	-5.7	-4.1	-1.1	-0.5	5.4	1.4	-0.2	0.0	0.5	0.1	1.8	0.1
10	D	-3.1	-1.2	3.5	1.5	8.9	1.3	-0.1	0.1	0.4	0.2	1.0	0.1
10	C	0.2	3.4	5.8	3.4	6.5	2.4	-0.1	0.2	0.8	0.4	2.2	0.1
10	All	-2.8	-0.9	1.7	1.9	5.9	2.1	-0.2	0.1	0.4	0.2	1.2	0.1
11	W	-4.7	-5.4	-5.1	-2.1	-1.8	2.7	-0.2	-0.2	-0.2	0.0	0.1	0.0
11	AN	-1.9	-1.1	1.7	0.6	6.1	2.2	-0.4	-0.2	0.1	0.0	0.0	0.0
11	BN	-6.9	-4.1	1.3	-0.2	12.6	1.3	-0.2	-0.1	0.1	0.0	0.5	0.0
11	D	-4.4	-3.5	-0.8	0.9	5.3	3.3	-0.1	0.1	0.1	0.0	0.2	0.1
11	C	-1.5	2.7	10.0	4.6	27.7	3.1	0.0	0.2	0.3	0.2	0.9	0.0
11	All	-4.1	-2.9	0.3	0.3	8.2	2.6	-0.2	-0.1	0.1	0.0	0.4	0.0
12	W	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	-0.3	0.0	0.0	0.3	0.3	0.0	-1.0	-1.0	-1.0	-0.5	-1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5	-0.5	-0.5	0.0	-0.5	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
2	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
2	D	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	C	0.0	0.2	0.2	0.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	All	0.0	0.0	0.0	0.0	0.1	0.0	-0.5	-0.5	-0.5	-0.5	-0.5	0.0
3	W	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
3	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	-0.2	0.1	-0.5	0.2
3	BN	-0.7	-0.7	-0.7	-0.7	-0.7	0.0	0.3	0.4	-0.1	0.2	-0.4	0.1
3	D	-0.7	-0.7	-0.7	-0.7	-0.7	-0.1	0.2	0.7	-0.3	0.7	-0.3	-0.1
3	C	-1.6	-2.2	-2.6	-1.6	-3.6	0.6	-0.2	-0.9	-1.2	-1.2	-1.2	-1.2
3	All	-0.6	-0.7	-0.7	-0.6	-0.9	0.1	-0.4	-0.8	-1.0	-1.0	-1.0	-0.2
4	W	0.6	-0.1	-0.2	-0.1	-0.3	0.1	-0.2	-0.7	-0.9	-0.5	-1.2	-0.1
4	AN	-1.1	-1.7	-2.5	-1.9	-2.5	-2.5	-0.4	-0.4	-0.3	-0.4	-0.4	0.2
4	BN	-4.6	-8.1	-9.3	-9.1	-9.3	-8.3	-0.3	-0.2	0.0	-0.2	0.0	0.3
4	D	-17.7	-20.9	-22.7	-19.2	-24.1	-9.4	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-20.8	-34.6	-46.5	-21.9	-52.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0
4	All	-8.2	-12.1	-14.8	-9.8	-16.1	-3.6	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-356. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smoltification, Yuba River at Marysville, 54 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-1.5	-1.1	-1.1	0.2	0.4	0.4	-0.1	0.0	0.2	0.1	0.7	0.2

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	AN	-1.1	-0.8	-0.3	0.0	1.3	0.3	-0.6	-0.1	0.4	0.2	0.8	0.1
10	BN	-2.0	-1.1	-0.5	0.7	1.1	0.4	-0.2	-0.1	0.4	0.1	1.7	0.1
10	D	-2.2	-2.1	0.3	-1.2	1.8	-0.6	-0.1	0.1	0.4	0.3	1.0	0.1
10	C	-0.2	0.2	0.4	0.0	0.4	0.0	-0.1	0.3	0.8	0.4	2.2	0.1
10	All	-1.5	-1.1	-0.3	-0.1	1.0	0.1	-0.2	0.0	0.4	0.2	1.2	0.1
11	W	-7.0	-7.6	-7.1	-5.1	-4.4	3.0	-0.1	-0.2	-0.1	0.0	0.1	0.0
11	AN	-2.5	-0.8	0.0	0.3	3.9	2.8	-0.3	-0.2	0.2	0.0	0.1	0.0
11	BN	-7.0	-4.1	0.0	-2.0	11.3	1.7	-0.2	-0.1	0.2	0.1	0.5	0.0
11	D	-5.5	-3.6	-0.9	2.1	4.1	1.8	-0.1	-0.1	0.0	0.0	0.2	0.1
11	C	-5.0	0.6	8.5	4.2	21.5	1.9	0.1	0.2	0.3	0.2	0.9	0.1
11	All	-5.8	-3.9	-1.0	-0.7	5.6	2.3	-0.1	-0.1	0.1	0.1	0.4	0.0
12	W	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.7	-0.7	-0.7	-0.7	-0.7	0.0
12	AN	0.0	0.0	0.0	0.3	0.0	0.0	-1.0	-1.0	-1.0	-0.5	-1.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
12	All	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.8	-0.8	-0.8	-0.3	-0.4	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	C	0.0	0.7	0.9	0.7	2.9	0.0	0.0	0.0	-0.1	0.0	0.1	0.0
2	All	0.0	0.1	0.1	0.1	0.5	0.0	0.0	0.0	-0.1	0.0	0.1	0.0
3	W	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	AN	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	BN	-3.4	-4.3	-4.7	-3.8	-4.8	-0.2	-0.4	-0.4	-0.8	-0.3	-0.8	0.0
3	D	-4.5	-6.2	-8.2	-6.5	-8.4	0.0	-0.2	-0.5	-0.8	-0.4	-0.8	0.0
3	C	-4.0	-10.7	-15.1	-7.3	-16.7	1.4	-0.2	0.0	0.0	-0.1	-0.2	0.0
3	All	-2.3	-3.9	-5.2	-3.4	-5.5	0.2	-0.1	-0.1	0.1	-0.1	0.0	0.0
4	W	2.0	-0.9	-2.6	-2.6	-3.8	-0.1	0.0	-0.1	-0.4	-0.2	0.1	0.1
4	AN	3.3	-2.2	-6.1	-4.4	-6.7	-6.7	-0.5	-0.9	-0.9	-0.7	-1.1	-0.8
4	BN	-1.7	-10.9	-16.5	-11.9	-18.1	-13.5	-0.8	-1.1	-1.4	-1.3	-1.7	-0.7
4	D	-24.5	-41.7	-50.2	-31.8	-52.4	-23.8	-0.7	-0.9	-0.9	-0.8	-1.2	0.1
4	C	-16.9	-30.4	-44.2	-18.8	-55.0	0.0	-0.8	-1.1	-1.3	-0.8	-1.5	0.3
4	All	-7.6	-16.9	-23.0	-13.7	-26.1	-8.7	-0.7	-0.8	-0.8	-0.6	-0.9	0.4

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-357. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Yuba River at Smartsville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0
10	AN	-8.3	-8.3	-8.3	0.0	-1.3	0.0	-3.0	-3.0	-3.0	0.1	-0.5	0.0
10	BN	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.9	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	D	0.0	0.0	0.0	0.0	0.0	-0.1	1.7	2.0	2.0	-1.3	0.0	-1.8
10	C	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	2.4	0.0
10	All	-1.0	-1.0	-1.0	0.0	2.0	0.0	1.1	1.4	1.4	0.0	-0.8	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	0.0	-0.3	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-358. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Yuba River above Daguerre Point, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-2.6	-0.6	1.0	-0.3	9.0	1.1	0.1	0.2	0.5	0.1	0.7	0.0
10	AN	1.6	5.6	13.2	2.4	22.6	1.3	-3.5	-2.5	-2.3	-0.6	-2.7	-0.3
10	BN	-0.4	0.4	4.5	2.3	26.7	-0.2	0.0	0.4	0.6	0.2	2.0	0.0
10	D	0.1	1.0	3.4	0.3	14.1	0.7	0.1	0.0	-0.1	-0.1	-0.1	-0.1
10	C	0.0	5.2	15.9	5.6	36.5	0.4	0.1	0.2	0.4	0.2	1.9	-0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	All	-0.6	1.6	6.1	1.6	19.6	0.7	-0.9	-0.6	-0.5	-0.2	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-2.8	-1.7	-0.6	0.0	-1.1	0.0	-1.3	-0.6	-0.7	0.0	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0
11	All	-0.3	-0.2	-0.1	0.0	0.3	0.0	-1.3	-0.6	-0.7	0.0	-0.5	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
4	C	-1.5	-2.3	-4.0	-1.7	-5.2	0.0	-0.6	-0.6	-1.0	-0.6	-1.6	0.0
4	All	-0.4	-0.6	-0.9	-0.5	-1.1	-0.2	-0.4	-0.5	-0.8	-0.5	-1.5	0.2

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-359. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Yuba River below Daguerre Point, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
10	AN	-3.5	-0.8	5.4	0.0	1.3	0.0	-5.3	-3.2	-4.1	0.1	-2.4	0.0
10	BN	0.0	0.0	0.2	0.0	9.5	0.0	0.0	0.0	0.0	0.0	3.1	0.0
10	D	0.0	0.0	0.0	-0.1	1.0	0.3	1.7	1.7	1.7	-0.5	-0.8	-1.6
10	C	0.0	0.0	0.4	0.0	13.1	0.0	0.0	0.0	0.0	0.0	3.0	0.0
10	All	-0.4	-0.1	0.8	0.0	4.8	0.1	-4.4	-2.7	-3.7	0.2	-2.9	-0.5
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	AN	-0.3	-0.3	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-1.3	-1.7	-1.7	-1.5	-1.7	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
4	All	-0.2	-0.3	-0.3	-0.2	-0.3	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-360. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Smolt Emigration, Yuba River at Marysville, 64 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	-1.2	0.0	0.5	-0.4	4.8	0.5	0.0	0.0	0.2	0.1	0.5	0.1
10	AN	1.3	4.6	10.5	2.2	17.2	1.1	-4.0	-2.7	-2.6	-0.6	-3.1	-0.3
10	BN	-1.1	-0.9	3.4	0.9	18.6	-0.2	0.4	0.7	0.6	0.3	2.3	0.0
10	D	0.0	1.0	3.1	0.7	12.0	1.3	0.1	0.0	0.0	-0.1	-0.2	-0.2
10	C	0.0	4.6	11.5	4.8	27.4	-0.2	0.0	0.0	0.3	0.1	1.8	0.0
10	All	-0.4	1.4	4.6	1.3	14.2	0.5	-1.0	-0.6	-0.5	-0.2	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.1	-1.1	-0.8	0.0	-0.6	0.0	-0.8	-0.8	-0.8	0.0	0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.8	-0.8	-0.8	0.0	0.6	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
4	C	-1.7	-3.1	-5.6	-1.7	-6.7	1.0	-0.8	-1.1	-1.2	-0.9	-2.2	-0.2
4	All	-0.5	-0.7	-1.1	-0.5	-1.3	0.0	-0.6	-0.9	-1.0	-0.7	-2.0	-0.1

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-361. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River at Smartsville, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-362. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River above Daguerre Point Dam, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-6.3	-6.3	0.0	6.3	0.0	-11.4	-11.4	-11.4	-2.2	-6.7	0.0
8	All	-1.0	-1.0	-1.0	0.0	1.0	0.0	-11.4	-11.4	-11.4	-2.2	-6.7	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-4.2	-4.2	-4.2	1.5	10.8	0.0	-2.9	-2.9	-2.9	-0.7	-0.6	0.0
9	All	-0.7	-0.7	-0.7	0.2	1.8	0.0	-2.9	-2.9	-2.9	-0.7	-0.6	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-0.8	-0.8	-0.8	0.0	-0.8	0.0	-0.3	-0.3	-0.3	0.0	-0.3	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	-0.1	-0.1	-0.1	0.0	-0.1	0.0	-0.3	-0.3	-0.3	0.0	-0.3	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-363. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River below Daguerre Point, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-5.6	-6.3	-6.3	0.0	6.3	0.0	-11.4	-11.7	-11.7	-2.1	-6.6	0.0
8	All	-0.9	-1.0	-1.0	0.0	1.0	0.0	-11.4	-11.7	-11.7	-2.1	-6.6	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.0	-5.0	-5.0	0.8	10.6	0.0	-2.9	-2.9	-2.9	-0.3	-0.3	0.0
9	All	-0.8	-0.8	-0.8	0.1	1.7	0.0	-2.9	-2.9	-2.9	-0.3	-0.3	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-0.8	-0.8	-0.8	0.5	-0.8	0.0	-0.3	-0.3	-0.3	0.1	-0.3	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	-0.1	-0.1	-0.1	0.1	-0.1	0.0	-0.3	-0.3	-0.3	0.1	-0.3	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-364. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River at Marysville, 70 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	8.1	16.1	12.5	28.2	0.0	-8.3	-7.9	-8.2	-5.1	-6.2	0.0
8	All	0.0	1.3	2.6	2.0	4.6	0.0	-8.3	-7.9	-8.2	-5.1	-6.2	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-6.3	-6.0	-6.0	0.8	15.2	0.0	-6.3	-6.3	-5.3	-0.7	-2.0	0.0
9	All	-1.0	-1.0	-1.0	0.1	2.5	0.0	-6.3	-6.3	-5.3	-0.7	-2.0	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-4.0	-4.0	-4.0	0.0	-3.0	0.0	-1.6	-1.6	-1.6	0.1	-1.1	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0
10	All	-0.5	-0.5	-0.5	0.0	-0.3	0.0	-1.6	-1.6	-1.6	0.1	-0.7	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-365. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River at Smartsville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0
8	All	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0
9	All	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.6	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-366. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River above Daguerre Point Dam, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	0.6	2.2	3.0	36.9	0.0	-15.3	-15.6	-15.8	-6.8	-13.2	0.0
8	All	0.0	0.1	0.4	0.5	6.0	0.0	-15.3	-15.6	-15.8	-6.8	-13.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.3	0.3	0.3	-5.6	0.6	-5.6	1.1	1.1	1.2	-0.9	0.6	-0.9
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-4.4	-4.8	-4.4	0.0	22.5	0.0	-6.1	-6.4	-6.4	0.2	-1.9	0.0
9	All	-0.7	-0.7	-0.7	-0.7	3.7	-0.7	-2.8	-2.8	-2.8	2.6	0.0	2.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-5.4	-5.4	0.0	-2.4	0.0	-2.9	-1.9	-2.4	0.1	-0.6	0.0
10	BN	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
10	D	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	1.5	0.0
10	All	-0.7	-0.6	-0.6	0.0	0.9	0.0	-2.9	-2.2	-2.5	0.1	-1.5	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-367. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River below Daguerre Point, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	3.6	1.4	3.8	37.3	0.0	-12.4	-15.6	-15.8	-7.4	-12.9	0.0
8	All	0.0	0.6	0.2	0.6	6.1	0.0	-12.4	-15.6	-15.8	-7.4	-12.9	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.3	-5.3	0.6	-5.8	1.2	1.2	1.1	-0.7	0.6	-1.2
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-3.5	-3.3	-2.7	0.6	25.0	0.0	-6.6	-6.8	-6.8	-0.5	-2.5	0.0
9	All	-0.6	-0.5	-0.4	-0.5	4.1	-0.7	-3.1	-3.2	-3.3	1.7	-0.3	2.6
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-5.4	-5.4	0.0	-2.2	0.0	-3.2	-2.2	-2.2	0.1	-0.9	0.0
10	BN	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0
10	D	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
10	All	-0.7	-0.6	-0.6	0.0	1.2	0.0	-3.2	-2.7	-2.7	0.1	-1.7	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-368. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Immigration, Yuba River at Marysville, 68 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.8	1.1	1.7	0.0	9.7	0.0	0.3	0.3	0.4	0.0	0.7	0.0
8	AN	0.0	0.0	21.8	0.0	38.2	0.0	0.3	0.5	1.0	0.5	1.9	0.5
8	BN	1.3	6.3	16.7	3.2	58.8	2.9	0.0	0.2	0.5	0.0	1.1	0.1
8	D	3.8	12.2	30.8	13.5	62.9	2.6	0.0	0.0	0.4	0.2	0.7	0.2
8	C	5.4	17.3	27.2	11.9	32.3	2.0	-2.0	-0.9	-0.1	0.2	1.8	0.4
8	All	2.2	7.0	17.6	5.6	37.8	1.4	-1.7	-1.1	-0.9	-0.3	-0.6	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	4.7	0.3	13.6	-1.7	0.9	1.0	-0.4	-1.6	-1.1	-2.1
9	BN	0.2	1.9	5.4	1.5	19.3	1.3	0.1	0.0	0.1	0.1	0.5	0.2
9	D	0.6	3.2	7.1	6.8	18.2	1.8	-0.1	-0.2	0.0	0.0	0.2	-0.2
9	C	-4.4	5.8	16.3	4.2	50.0	5.2	-2.2	-1.8	-1.7	0.5	1.0	-0.3
9	All	-0.5	2.0	5.8	2.5	17.5	1.3	-1.6	-1.5	-1.6	-0.3	-0.2	-0.6
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.9	-1.1	1.3	0.0	-1.1	0.0	-5.3	-3.4	-3.9	0.1	-2.0	0.0
10	BN	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	2.6	0.0
10	D	0.0	0.0	0.0	-0.3	0.0	-0.3	1.0	1.0	1.0	-1.0	0.5	-1.0
10	C	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	3.1	0.0
10	All	-0.7	-0.1	0.2	-0.1	2.4	-0.1	-4.3	-3.0	-3.6	0.4	-2.3	0.3
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-369. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Yuba River at Smartsville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0
8	AN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-3.0	-5.0	-5.0	0.0	22.6	0.0	-3.0	-2.5	-2.7	-1.1	-0.8	0.0
8	All	-0.5	-0.8	-0.8	0.0	3.9	0.0	-3.0	-2.5	-2.7	-1.1	-0.8	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	-0.3	-0.3	-0.3	0.6	-0.3	0.6	1.1	1.2	1.3	-1.9	1.0	-2.7
9	BN	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-2.3	-3.5	-2.9	0.0	26.7	0.0	-2.3	-2.5	-2.5	0.7	0.6	0.0
9	All	-0.4	-0.6	-0.5	0.1	4.8	0.1	-0.3	0.2	0.0	-0.5	-0.2	-1.2
10	W	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0
10	AN	-8.3	-8.3	-8.3	0.0	-1.3	0.0	-3.0	-3.0	-3.0	0.1	-0.5	0.0
10	BN	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.9	0.0
10	D	0.0	0.0	0.0	0.0	0.0	-0.1	1.7	2.0	2.0	-1.3	0.0	-1.8
10	C	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	2.4	0.0
10	All	-1.0	-1.0	-1.0	0.0	2.0	0.0	1.1	1.4	1.4	0.0	-0.8	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-0.3	-0.3	-0.3	0.0	-0.3	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-370. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Yuba River above Daguerre Point Dam, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	8.4	13.5	24.9	4.1	41.1	0.0	0.4	0.2	0.3	0.1	0.9	0.1
8	AN	9.9	16.9	46.0	8.6	68.0	3.8	0.0	0.0	1.0	0.0	1.7	0.0
8	BN	21.9	41.2	52.3	17.6	61.6	7.0	-0.1	0.1	0.5	0.2	2.0	0.1
8	D	10.9	23.0	35.2	14.4	37.7	-7.0	0.1	0.2	0.8	0.4	1.9	0.1
8	C	0.6	0.6	0.6	0.6	0.6	-0.4	-1.1	-0.2	0.6	0.4	3.4	0.2
8	All	10.3	19.1	30.9	8.9	40.8	0.1	-0.6	-0.3	0.1	0.1	1.4	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-1.1	0.7	6.4	8.4	15.3	-0.9	-0.1	0.0	0.2	0.2	0.4	0.0
9	AN	8.1	10.0	56.1	4.7	57.5	4.2	-0.4	-0.4	-1.0	-0.5	-0.5	-0.8
9	BN	17.0	36.5	55.4	10.0	58.0	5.0	-0.2	-0.1	0.2	-0.1	0.8	0.1
9	D	9.2	23.6	27.9	18.8	38.8	-2.9	0.1	0.1	0.3	0.2	0.8	0.1
9	C	4.8	6.7	9.6	3.5	9.6	-0.4	-0.7	-0.3	0.0	0.2	3.3	0.1
9	All	6.6	14.5	26.8	9.8	32.7	0.4	-0.3	-0.2	0.0	0.0	1.0	0.1
10	W	-2.6	-0.6	1.0	-0.3	9.0	1.1	0.1	0.2	0.5	0.1	0.7	0.0
10	AN	1.6	5.6	13.2	2.4	22.6	1.3	-3.5	-2.5	-2.3	-0.6	-2.7	-0.3
10	BN	-0.4	0.4	4.5	2.3	26.7	-0.2	0.0	0.4	0.6	0.2	2.0	0.0
10	D	0.1	1.0	3.4	0.3	14.1	0.7	0.1	0.0	-0.1	-0.1	-0.1	-0.1
10	C	0.0	5.2	15.9	5.6	36.5	0.4	0.1	0.2	0.4	0.2	1.9	-0.1
10	All	-0.6	1.6	6.1	1.6	19.6	0.7	-0.9	-0.6	-0.5	-0.2	0.0	-0.1
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-2.8	-1.7	-0.6	0.0	-1.1	0.0	-1.3	-0.6	-0.7	0.0	-0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0
11	All	-0.3	-0.2	-0.1	0.0	0.3	0.0	-1.3	-0.6	-0.7	0.0	-0.5	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-371. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Yuba River below Daguerre Point, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	6.6	10.1	21.5	2.9	36.8	0.1	0.6	0.3	0.4	0.2	0.9	0.0
8	AN	8.9	12.9	46.0	7.8	66.4	2.7	-0.1	0.0	0.9	0.0	1.7	0.1
8	BN	20.4	40.3	52.9	17.0	65.1	5.9	-0.1	0.0	0.5	0.2	1.9	0.1
8	D	10.6	24.2	36.7	15.5	40.5	-6.3	0.0	0.2	0.7	0.3	1.8	0.1
8	C	1.0	1.6	1.6	1.6	1.6	0.0	-0.9	-0.2	0.6	0.4	3.5	0.2
8	All	9.4	17.8	30.4	8.7	40.7	0.0	-0.5	-0.4	0.1	0.1	1.3	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-5.2	-2.2	2.7	6.9	13.3	-0.9	0.0	0.1	0.3	0.2	0.5	0.0
9	AN	12.5	16.9	63.6	6.1	61.4	6.9	-0.4	-0.5	-0.6	-0.4	0.0	-0.7
9	BN	20.4	41.1	51.7	8.0	53.9	5.2	-0.2	0.0	0.4	0.0	1.0	0.1
9	D	14.7	26.1	28.2	18.2	33.8	-1.8	0.0	0.1	0.3	0.2	0.9	0.1
9	C	2.9	4.6	5.0	2.3	5.0	-0.6	-0.7	-0.2	0.2	0.3	3.4	0.1
9	All	7.4	15.5	25.2	8.8	29.9	1.0	-0.2	-0.1	0.1	0.1	1.2	0.0
10	W	-2.3	-1.2	1.4	0.3	11.1	1.2	-0.1	0.2	0.3	0.0	0.6	0.0
10	AN	0.3	5.4	13.4	2.7	22.8	0.8	-2.7	-1.9	-1.7	-0.4	-2.0	0.0
10	BN	-0.7	0.5	7.9	2.0	28.9	0.2	0.1	0.3	0.3	0.3	1.9	0.0
10	D	-0.7	1.5	6.0	1.2	18.3	0.9	0.3	0.0	-0.1	-0.2	0.0	0.0
10	C	0.0	6.9	17.3	7.7	37.9	0.0	0.0	0.2	0.5	0.1	1.9	0.0
10	All	-1.0	1.8	7.7	2.3	21.8	0.7	-0.6	-0.4	-0.3	-0.2	0.3	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-2.5	-1.4	-0.8	0.0	-1.4	0.0	-1.2	-0.7	-0.6	0.0	0.3	0.0
11	BN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0
11	All	-0.3	-0.2	-0.1	0.0	0.2	0.0	-1.2	-0.7	-0.6	0.0	-0.3	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-372. Water Temperature Index Value Analysis Results, Central Valley Steelhead, Adult Holding, Yuba River at Marysville, 61 °F 7DADM

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
8	W	-1.0	-1.1	1.4	0.6	1.4	0.3	0.7	0.8	1.5	0.4	2.1	0.0
8	AN	-1.9	-0.3	2.2	0.3	2.2	1.6	0.9	1.2	2.8	0.6	3.9	0.4
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	2.3	0.7	3.8	0.4
8	D	0.1	0.1	0.1	0.0	0.1	0.1	0.5	1.0	1.7	0.8	2.6	-0.2
8	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.1	1.3	0.8	3.4	0.4
8	All	-0.5	-0.3	0.7	0.2	0.7	0.3	0.4	0.9	1.8	0.6	3.0	0.1

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	W	-5.1	-4.9	-2.4	-0.8	-2.3	-0.1	-0.1	0.1	0.2	0.2	0.6	0.0
9	AN	-3.1	0.3	11.7	3.1	11.7	7.8	0.8	0.9	2.4	0.1	2.8	0.0
9	BN	0.0	1.5	3.3	0.2	3.3	2.0	0.6	1.4	2.1	0.3	2.8	0.2
9	D	3.5	3.9	3.9	3.8	3.9	0.9	0.5	0.9	1.2	0.8	1.8	-0.1
9	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	-0.1	0.3	0.6	3.7	0.1
9	All	-1.2	-0.3	2.2	1.0	2.2	1.5	0.2	0.6	1.1	0.4	2.1	0.0
10	W	-2.0	0.9	6.3	4.2	17.6	5.2	-0.2	-0.1	0.0	0.0	0.4	0.0
10	AN	-6.7	-1.6	2.4	3.5	15.9	4.0	-0.6	-0.1	0.4	0.1	0.3	0.0
10	BN	-6.5	-1.4	7.9	2.3	23.3	5.2	0.1	0.2	0.5	0.1	1.7	0.0
10	D	-3.7	1.2	8.4	5.4	22.1	3.4	0.1	0.2	0.4	0.1	0.7	0.0
10	C	-4.8	3.4	15.1	6.7	26.8	4.2	0.1	0.2	0.5	0.3	1.7	0.0
10	All	-4.2	0.6	8.0	4.4	21.0	4.5	-0.1	0.1	0.3	0.1	0.9	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	-1.9	0.3	1.9	0.0	-0.6	0.0	-1.5	-1.0	-0.7	0.1	-0.5	0.0
11	BN	0.0	0.0	0.2	0.0	1.5	0.0	0.0	0.0	1.0	0.0	1.5	0.0
11	D	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0
11	C	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	1.1	0.0
11	All	-0.2	0.0	0.3	0.0	1.2	0.0	-1.5	-1.0	-0.8	0.1	-0.7	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit; 7DADM = 7-day average daily maximum

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Green Sturgeon

Table H1b-373. Summary of Potential Effects of Flow Scenarios on Green Sturgeon, Yuba River

	Flow Scenario					
Life Stage	35	45	55	55 w/ WSAs	65	VA
Spawning, Egg Incubation, and Alevins						
[a] Favorable	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
[b] Unfavorable	2.0%	8.0%	12.0%	2.0%	18.0%	0.0%
Non-Spawning Adult Presence						
Favorable	3.0%	2.0%	2.0%	0.0%	0.0%	0.0%
Unfavorable	0.0%	1.0%	0.0%	1.0%	4.0%	0.0%
Larval and Juvenile Rearing and Emigration						
Favorable	4.2%	2.5%	2.5%	0.0%	0.0%	0.0%
Unfavorable	0.0%	0.8%	0.0%	1.7%	6.7%	0.0%

Presented as the percent of month-water year type combinations with favorable and unfavorable results of the flow scenario compared with baseline at all locations combined.

[a] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% lower than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5 degree Fahrenheit (°F) lower than the exceedance under the baseline.

[b] The following criteria are met: (1) frequency of exceedance above the temperature criteria under the flow scenario was >5% higher than the frequency of exceedance under the baseline, and (2) average daily exceedance above the temperature criteria under the flow scenario was >0.5°F higher than the exceedance under the baseline.

Table H1b-374. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Yuba River below Daguerre Point Dam, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-0.4	-0.4	-0.4	-0.4	-0.4	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
5	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.3	0.0
6	C	0.8	6.7	4.6	6.7	11.7	0.2	-0.2	-0.3	-0.5	-0.1	-0.5	0.0
6	All	0.1	1.1	0.9	1.1	2.0	0.0	-0.2	-0.3	-0.5	-0.1	-0.5	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	W	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	1.2	0.0
7	AN	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0
7	BN	0.0	0.0	1.8	0.0	9.9	0.0	0.0	0.0	0.5	0.0	0.6	0.0
7	D	0.0	0.0	0.3	0.0	5.7	0.0	0.0	0.0	0.5	0.0	0.3	0.0
7	C	-11.9	5.0	19.8	4.8	53.8	0.4	1.1	-1.5	-2.1	-0.1	-1.0	-0.1
7	All	-1.9	0.8	3.6	0.8	13.4	0.1	1.1	-1.5	-2.2	-0.1	-1.4	-0.1

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-375. Water Temperature Index Value Analysis Results, Green Sturgeon, Spawning and Embryo Incubation, Yuba River at Marysville, 63 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-2.7	-3.5	-4.4	-2.9	-4.4	0.0	-0.5	-0.7	-1.2	-0.4	-1.2	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	All	-0.5	-0.6	-0.7	-0.5	-0.7	0.0	-0.4	-0.7	-1.2	-0.3	-1.2	0.1
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-2.6	-0.4	-4.4	4.4	-5.2	0.2	-0.9	-0.9	-0.8	-0.3	-1.3	0.1
5	All	-0.4	-0.1	-0.7	0.7	-0.9	0.0	-0.9	-0.9	-0.8	-0.3	-1.3	0.1
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
6	BN	0.0	0.0	0.0	0.2	10.4	0.0	0.0	0.0	0.0	0.0	0.8	0.0
6	D	-0.8	0.6	13.6	6.2	21.1	0.8	0.1	0.1	0.5	0.5	0.7	0.2
6	C	1.9	12.5	19.4	9.2	18.5	4.8	-0.3	-0.1	-0.1	0.4	-0.1	0.2
6	All	0.1	2.2	6.2	2.9	9.9	1.0	-0.2	0.0	-0.3	0.2	-0.5	0.2
7	W	4.1	5.6	7.3	0.8	25.9	0.0	0.6	0.6	0.6	0.1	1.0	0.0
7	AN	11.0	10.5	22.6	0.3	49.7	1.6	0.8	1.1	1.2	0.0	1.7	0.5
7	BN	4.1	8.6	22.2	11.3	81.4	2.9	0.1	0.8	0.8	0.2	1.4	0.0
7	D	2.2	15.4	49.1	15.8	74.5	4.7	0.0	0.1	0.8	0.3	1.4	0.1
7	C	8.1	17.3	23.6	9.7	23.6	-1.0	-0.1	1.1	2.1	1.3	3.2	0.5
7	All	5.2	10.9	24.0	7.5	49.5	1.6	-0.3	0.3	0.5	0.5	0.5	0.2

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-376. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Yuba River below Daguerre Point Dam, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-3.8	-6.7	-8.3	-0.4	9.3	0.0	1.2	-1.8	-1.9	0.3	-0.5	0.0
7	All	-0.6	-1.1	-1.3	-0.1	1.5	0.0	1.2	-1.8	-1.9	0.3	-0.5	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	-0.8	-3.0	1.0	21.8	0.0	-12.4	-15.2	-15.1	-4.0	-11.2	0.0
8	All	0.0	-0.1	-0.5	0.2	3.6	0.0	-12.4	-15.2	-15.1	-4.0	-11.2	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	2.2	2.2	2.5	-3.1	1.9	-3.1	0.8	0.8	0.8	-0.5	0.4	-0.5
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.2	-6.0	-5.6	0.0	19.8	0.0	-6.1	-6.3	-5.9	0.2	-1.6	0.0
9	All	-0.6	-0.7	-0.6	-0.4	3.5	-0.4	-3.7	-3.5	-3.6	1.7	-0.5	1.6
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.6	-5.1	-5.1	0.0	-2.2	0.0	-2.6	-2.1	-2.1	0.1	-0.8	0.0
10	BN	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	1.4	0.0
10	All	-0.7	-0.6	-0.6	0.0	0.6	0.0	-2.6	-2.1	-2.1	0.1	-1.2	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-377. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Yuba River Yuba River at Marysville, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-0.6	-0.6	-0.6	-0.4	-0.6	0.0	-1.7	-1.7	-1.7	-0.7	-1.7	0.0
5	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-1.7	-1.7	-1.7	-0.7	-1.7	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	2.0	0.6	1.8	0.3	0.0	0.0	0.8	0.5	0.4	0.0
6	C	-6.7	3.5	5.2	5.2	7.5	5.0	0.3	0.0	-0.3	0.7	-0.5	-0.1
6	All	-1.1	0.6	1.3	1.0	1.6	0.9	0.3	0.0	-0.4	0.6	-0.6	-0.1
7	W	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0
7	AN	0.0	0.0	0.5	0.0	8.3	0.0	0.0	0.0	0.5	0.0	1.1	0.0
7	BN	0.0	0.7	2.2	0.0	14.3	0.0	0.0	0.3	0.6	0.0	0.7	0.0
7	D	0.0	0.0	5.0	0.7	18.0	0.0	0.0	0.0	0.5	0.3	0.6	0.0
7	C	-2.8	13.7	39.3	7.5	58.1	5.8	0.3	1.2	0.3	2.3	0.7	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	All	-0.5	2.4	8.0	1.4	17.6	1.0	0.3	1.2	0.0	2.2	-0.5	0.0
8	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.3	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.9	0.0
8	BN	0.0	0.0	1.3	0.0	5.2	0.0	0.0	0.0	0.3	0.0	0.6	0.0
8	D	0.0	0.0	0.4	0.3	6.0	0.0	1.0	1.0	0.8	0.3	0.6	1.0
8	C	-11.9	2.4	17.3	4.0	43.3	6.5	-2.0	-1.7	-1.9	0.7	-1.3	-0.6
8	All	-1.9	0.4	3.2	0.7	10.2	1.1	-2.0	-1.7	-2.1	0.6	-2.2	-0.6
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.8	0.8	0.8	-4.4	1.4	-5.0	1.0	1.0	1.0	-1.0	0.5	-1.0
9	BN	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
9	D	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.4	-1.0	2.3	7.9	35.4	2.3	-5.0	-5.0	-5.2	-1.9	-1.7	-1.1
9	All	-0.8	-0.1	0.5	0.7	6.2	-0.2	-3.3	-3.4	-3.5	-0.5	-0.6	0.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-6.5	-1.9	-2.7	0.0	-2.4	0.0	-4.3	-3.2	-3.3	0.1	-1.1	0.0
10	BN	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	2.0	0.0
10	D	0.3	0.3	0.3	0.0	0.1	0.0	0.5	0.5	0.5	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	2.3	0.0
10	All	-0.7	-0.2	-0.3	0.0	1.5	0.0	-3.8	-3.3	-3.3	0.1	-1.9	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-378. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Yuba River below Daguerre Point Dam, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0
7	All	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-6.3	-6.3	-6.3	0.0	5.4	0.0	-8.7	-8.7	-8.7	-2.1	-6.4	0.0
8	All	-1.0	-1.0	-1.0	0.0	0.9	0.0	-8.7	-8.7	-8.7	-2.1	-6.4	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-1.9	-1.9	-1.9	0.2	4.8	0.0	-2.9	-2.9	-2.9	-0.7	-1.9	0.0
9	All	-0.3	-0.3	-0.3	0.0	0.8	0.0	-2.9	-2.9	-2.9	-0.7	-1.9	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
10	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-379. Water Temperature Index Value Analysis Results, Green Sturgeon, Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding), Yuba River Yuba River at Marysville, 73 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
2	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
3	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
7	C	-0.2	5.2	2.8	6.5	7.1	0.0	-0.1	0.6	0.2	-0.2	0.1	0.0
7	All	0.0	0.9	0.5	1.1	1.2	0.0	-0.1	0.6	0.2	-0.2	0.1	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	-4.2	-0.4	-0.2	5.2	10.7	0.0	-10.7	-9.1	-9.1	-5.7	-7.1	0.0
8	All	-0.7	-0.1	0.0	0.9	1.7	0.0	-10.7	-9.1	-9.1	-5.7	-7.1	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-4.8	-4.8	-4.8	0.4	10.6	0.0	-4.4	-4.4	-4.4	-0.5	-1.9	0.0
9	All	-0.8	-0.8	-0.8	0.1	1.7	0.0	-4.4	-4.4	-4.4	-0.5	-1.9	0.0
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-380. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Yuba River below Daguerre Point Dam, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
4	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	C	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	C	-3.8	-6.7	-8.3	-0.4	9.3	0.0	1.2	-1.8	-1.9	0.3	-0.5	0.0
7	All	-0.6	-1.1	-1.3	-0.1	1.5	0.0	1.2	-1.8	-1.9	0.3	-0.5	0.0
8	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	C	0.0	-0.8	-3.0	1.0	21.8	0.0	-12.4	-15.2	-15.1	-4.0	-11.2	0.0
8	All	0.0	-0.1	-0.5	0.2	3.6	0.0	-12.4	-15.2	-15.1	-4.0	-11.2	0.0
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	AN	2.2	2.2	2.5	-3.1	1.9	-3.1	0.8	0.8	0.8	-0.5	0.4	-0.5
9	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	C	-5.2	-6.0	-5.6	0.0	19.8	0.0	-6.1	-6.3	-5.9	0.2	-1.6	0.0
9	All	-0.6	-0.7	-0.6	-0.4	3.5	-0.4	-3.7	-3.5	-3.6	1.7	-0.5	1.6
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-5.6	-5.1	-5.1	0.0	-2.2	0.0	-2.6	-2.1	-2.1	0.1	-0.8	0.0
10	BN	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0
10	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	1.4	0.0
10	All	-0.7	-0.6	-0.6	0.0	0.6	0.0	-2.6	-2.1	-2.1	0.1	-1.2	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-381. Water Temperature Index Value Analysis Results, Green Sturgeon, Larval to Juvenile Rearing and Emigration, Yuba River at Marysville, 66 °F

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
1	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	All	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	W	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	AN	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	BN	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	D	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	C	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	All	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	W	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	AN	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	BN	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	D	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	C	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	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	C	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
4	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	0.0
5	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
5	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	-0.6	-0.6	-0.6	-0.4	-0.6	0.0	-1.7	-1.7	-1.7	-0.7	-1.7	0.0
5	All	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-1.7	-1.7	-1.7	-0.7	-1.7	0.0
6	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	D	0.0	0.0	2.0	0.6	1.8	0.3	0.0	0.0	0.8	0.5	0.4	0.0
6	C	-6.7	3.5	5.2	5.2	7.5	5.0	0.3	0.0	-0.3	0.7	-0.5	-0.1
6	All	-1.1	0.6	1.3	1.0	1.6	0.9	0.3	0.0	-0.4	0.6	-0.6	-0.1
7	W	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0
7	AN	0.0	0.0	0.5	0.0	8.3	0.0	0.0	0.0	0.5	0.0	1.1	0.0
7	BN	0.0	0.7	2.2	0.0	14.3	0.0	0.0	0.3	0.6	0.0	0.7	0.0
7	D	0.0	0.0	5.0	0.7	18.0	0.0	0.0	0.0	0.5	0.3	0.6	0.0
7	C	-2.8	13.7	39.3	7.5	58.1	5.8	0.3	1.2	0.3	2.3	0.7	0.0
7	All	-0.5	2.4	8.0	1.4	17.6	1.0	0.3	1.2	0.0	2.2	-0.5	0.0
8	W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	AN	0.0	0.0	0.3	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.9	0.0
8	BN	0.0	0.0	1.3	0.0	5.2	0.0	0.0	0.0	0.3	0.0	0.6	0.0
8	D	0.0	0.0	0.4	0.3	6.0	0.0	1.0	1.0	0.8	0.3	0.6	1.0
8	C	-11.9	2.4	17.3	4.0	43.3	6.5	-2.0	-1.7	-1.9	0.7	-1.3	-0.6
8	All	-1.9	0.4	3.2	0.7	10.2	1.1	-2.0	-1.7	-2.1	0.6	-2.2	-0.6
9	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	AN	0.8	0.8	0.8	-4.4	1.4	-5.0	1.0	1.0	1.0	-1.0	0.5	-1.0
9	BN	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0
9	D	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Month	Water Year Type	Difference Relative to Baseline in Percent of Days above Index Value [a]						Difference Relative to Baseline in Mean Degrees per Day above Index Value (°F) [b]					
		35	45	55	55 w/ WSAs	65	VA	35	45	55	55 w/ WSAs	65	VA
9	C	-5.4	-1.0	2.3	7.9	35.4	2.3	-5.0	-5.0	-5.2	-1.9	-1.7	-1.1
9	All	-0.8	-0.1	0.5	0.7	6.2	-0.2	-3.3	-3.4	-3.5	-0.5	-0.6	0.4
10	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	AN	-6.5	-1.9	-2.7	0.0	-2.4	0.0	-4.3	-3.2	-3.3	0.1	-1.1	0.0
10	BN	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	2.0	0.0
10	D	0.3	0.3	0.3	0.0	0.1	0.0	0.5	0.5	0.5	0.0	0.0	0.0
10	C	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	2.3	0.0
10	All	-0.7	-0.2	-0.3	0.0	1.5	0.0	-3.8	-3.3	-3.3	0.1	-1.9	0.0
11	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

°F = degrees Fahrenheit

[a] Green cells indicate >5% lower values under the flow scenario relative to baseline; red cells indicate >5% higher values under the flow scenario relative to baseline.

[b] Only includes days on which temperature exceeded index value; green cells indicate >0.5 °F lower values under the flow scenario relative to baseline; red cells indicate >0.5 °F higher values under the flow scenario relative to baseline.

Table H1b-382. Summary of Water Temperature Index Value Analysis for the Yuba River, Showing the Percent of Month-Water Year Type Combinations with Unfavorable and Favorable Results

				Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result						Percent of Month-Water Year Type Combinations with Favorable Result					
Species	Life Stage	Period	Location	Mean Daily	7DADM [a]	35	45	55	55 w/WSAs	65	VA	35	45	55	55 w/WSAs	65	VA
Spring-run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Sep-Dec	Smartsville	–	55.4	0.0	0.0	5.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	55.4	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Year-round	Smartsville	–	61	0.0	0.0	0.0	0.0	3.3	0.0	1.7	1.7	1.7	0.0	0.0	0.0
			Above Daguerre Point Dam	–	61	1.7	1.7	13.3	1.7	30.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
			Below Daguerre Point Dam	–	64	0.0	0.0	8.3	0.0	18.3	0.0	5.0	0.0	0.0	0.0	0.0	0.0
			Marysville	–	64	3.3	8.3	16.7	6.7	26.7	0.0	0.0	0.0	3.3	0.0	3.3	0.0
	Adult Immigration	May-Sep	Smartsville	–	68	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0
			Below Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	4.0
			Marysville	–	68	4.0	12.0	28.0	4.0	48.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Adult Holding	May-Sep	Smartsville	–	61	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	61	4.0	4.0	32.0	4.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Below Daguerre Point Dam	–	61	8.0	4.0	32.0	4.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fall-Run Chinook Salmon	Spawning, Egg Incubation, and Alevins	Oct-Mar	Smartsville	–	55.4	0.0	0.0	3.3	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	55.4	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fry and Juvenile Rearing and Emigration	Dec-Jun	Smartsville	–	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	61	0.0	0.0	2.9	2.9	11.4	0.0	0.0	0.0	0.0	0.0	2.9	0.0
			Below Daguerre Point Dam	–	64	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Marysville	–	64	0.0	2.9	5.7	2.9	8.6	0.0	0.0	0.0	5.7	0.0	5.7	0.0
	Adult Immigration	Aug-Nov	Smartsville	–	68	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	0.0	5.0
			Below Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	0.0	5.0
			Marysville	–	68	0.0	0.0	5.0	0.0	45.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
	Adult Staging	Sep-Nov	Smartsville	–	61	0.0	0.0	0.0	0.0	13.3	0.0	6.7	6.7	6.7	0.0	0.0	0.0
			Above Daguerre Point Dam	–	61	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steelhead		Jan-Jun	Smartsville	53	–	0.0	6.7	13.3	3.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result					VA	Percent of Month-Water Year Type Combinations with Favorable Result					VA
				Mean Daily	7DADM [a]	35	45	55	55 w/WSAs	65		35	45	55	55 w/WSAs	65	
	Spawning, Egg Incubation, and Alevins		Above Daguerre Point Dam	53	–	6.7	13.3	13.3	10.0	13.3	0.0	3.3	6.7	10.0	6.7	10.0	0.0
			Smartsville	56	–	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	56	–	6.7	6.7	10.0	3.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Kelt Emigration	Feb-May	Smartsville	70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Below Daguerre Point Dam	70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Marysville	70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Smartsville	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Below Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Marysville	–	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Juvenile Rearing	Year-round	Smartsville	63	–	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	1.7	0.0	1.7
			Above Daguerre Point Dam	63	–	0.0	0.0	0.0	0.0	5.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0
			Below Daguerre Point Dam	63	–	0.0	0.0	0.0	0.0	8.3	0.0	1.7	0.0	0.0	0.0	0.0	0.0
			Marysville	63	–	1.7	6.7	11.7	1.7	25.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
			Smartsville	–	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	69	0.0	0.0	0.0	0.0	1.7	0.0	3.3	3.3	3.3	0.0	0.0	0.0
			Below Daguerre Point Dam	–	69	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0
			Marysville	–	69	0.0	1.7	8.3	1.7	18.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0
	Smoltification	Oct-Apr	Smartsville	54	–	0.0	0.0	2.9	0.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	54	–	0.0	0.0	2.9	0.0	17.1	0.0	0.0	5.7	5.7	5.7	5.7	0.0
			Below Daguerre Point Dam	54	–	0.0	0.0	2.9	0.0	14.3	0.0	0.0	5.7	5.7	2.9	5.7	0.0
			Marysville	54	–	0.0	0.0	0.0	0.0	5.7	0.0	5.7	8.6	14.3	8.6	14.3	5.7
	Smolt Emigration	Oct-Apr	Smartsville	–	61	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	2.9	0.0	0.0	0.0
			Above Daguerre Point Dam	–	61	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	2.9	0.0
			Below Daguerre Point Dam	–	64	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Marysville	–	64	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	2.9	0.0	2.9	0.0
	Adult Immigration	Aug-Mar	Smartsville	70	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Species	Life Stage	Period	Location	Index Value (°F)		Percent of Month-Water Year Type Combinations with Unfavorable Result						Percent of Month-Water Year Type Combinations with Favorable Result					
				Mean Daily	7DADM [a]	35	45	55	55 w/WSAs	65	VA	35	45	55	55 w/WSAs	65	VA
			Above Daguerre Point Dam	70	–	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	0.0	0.0
			Below Daguerre Point Dam	70	–	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	0.0	0.0
			Marysville	70	–	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	0.0	0.0
			Smartsville	–	68	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Above Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	0.0	2.5
			Below Daguerre Point Dam	–	68	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	0.0	2.5
			Marysville	–	68	0.0	0.0	2.5	0.0	22.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0
	Adult Holding	Aug-Mar	Smartsville	–	61	0.0	0.0	0.0	0.0	5.0	0.0	2.5	2.5	2.5	0.0	0.0	0.0
			Above Daguerre Point Dam	–	61	0.0	0.0	7.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Below Daguerre Point Dam	–	61	2.5	0.0	5.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Marysville	–	61	0.0	0.0	7.5	0.0	10.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Green Sturgeon	Spawning and Embryo Incubation	Mar-Jul	Below Daguerre Point Dam	63	–	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Marysville	63	–	4.0	16.0	24.0	4.0	28.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
	Non-Spawning Adult Presence (Immigration, Pre- and Post-Spawn Holding)	Aug-Nov	Below Daguerre Point Dam	66	–	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.0	6.0	0.0	0.0	0.0
			Marysville	66		0.0	2.0	0.0	4.0	16.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
			Below Daguerre Point Dam	73	–	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0
			Marysville	73	–	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Larval to Juvenile Rearing and Emigration	Year-round	Below Daguerre Point Dam	66	–	0.0	0.0	0.0	0.0	0.0	0.0	3.3	5.0	5.0	0.0	0.0	0.0
			Marysville	66	–	0.0	1.7	0.0	3.3	13.3	0.0	5.0	0.0	0.0	0.0	0.0	0.0

Shading is provided only to attract attention to the larger deviations from baseline. Shading does not indicate any impact conclusions.

For unfavorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% higher than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F higher than the exceedance under the baseline.

For favorable results, the following criteria are met: (1) frequency of exceedance above the water temperature index value under the flow scenario was >5% lower than the frequency of exceedance under the baseline; and (2) average daily exceedance above the water temperature index value under the flow scenario was >0.5°F lower than the exceedance under the baseline.

°F = degrees Fahrenheit

[a] 7DADM = Seven-day average daily maximum

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Table H1b1-1. SacWAM Inputs to the Sacramento River HEC-5Q Water Temperature Model

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Trinity Lake daily storage	ZR SS340 A=Trinity B=TRINITY C=Stor-Res-fit [b]	+trinity_reservoir_storage	
Whiskeytown Lake daily storage	ZR SS240 A=Clear CR B=WHISKEYTOWN C=Stor-Res-fit	+Whiskeytown_Reservoir_Storage	
Shasta Lake daily storage	ZR SS220 A=Sacramento B=Shasta C=Stor-Res-fit	+Shasta_Lake_Storage	
Trinity Dam outflow	ZR QA340 A=Trinity B=TRINITY C=flow-out	+Trinity_Reservoir	
Whiskeytown Dam outflow	ZR QA240 A=Clear CR B=WHISKEYTOWN C=flow-out	+Whiskeytown_Reservoir QMIN 1 [c]	
Shasta Dam outflow	ZR QA220 A=Sacramento B=SHASTA C=flow-out	+Shasta_Lake	
Trinity Lake inflow patterned after historical record	ZR IN340 A=Trinity B=TRINITY C=flow-in-pat	+I_TRNTY_Inflow	
Trinity Lake daily inflow based on historical record [d]	A=Trinity B=Trinity C=flow-in E=1DAY F=Historical_based		
Lewiston Reservoir inflow	ZR IN330 A=Trinity B=LEWISTON C=flow-in	+I_LWSTN_Inflow	-Trinity_Reservoir
Clear Creek above Whiskeytown (excluding Clear Creek Tunnel)	ZR IN240 A=Clear Cr B=WHISKEYTOWN C=flow-in-pat	+Clear_Creek_above_Clear_Creek_Tunnel_Inf	
Trinity Lake inflow patterned after historical record	A=Trinity B=Trinity C=flow-in E=1DAY F=Historical_based		
Shasta Lake inflow patterned after historical record	ZR IN220 A=Sacramento B=SHASTA C=flow-in-pat	+I_SHSTA_Inflow	

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Shasta Lake daily inflow based on historical record [d]	A=Sacramento B=Shasta C=flow-in E=1DAY F=Historical_based		
SacWAM runoff allocated above Keswick Lake	ZR IN210 A=Sacramento B=RunoffAbvKeswick C=flow-in	+runoff_infiltration_from_a_02_na_to_sacramento_river	
South Fork Clear Creek inflow at Igo - mile 9.4	ZR IN180 A=Sacramento B=Clear Creek C=FLOW-IN >0	+clear_creek_inflow_to_sacramento_river	-Whiskeytown_Reservoir
Sacramento inflows - Churn and Cow Creeks (miles 284.5 & 280.1)	ZR IN178 A=Sacramento B=Cow Cr C=flow-in >0	+cow_creek_inflow_to_sacramento_rm_277	-clear_creek_inflow_to_sacramento_river -keswick_reservoir
Sacramento inflows - Bear and Anderson Creeks (miles 277.3 & 273.5)	ZR IN174 A=Sacramento B=Cottonwood Cr C=flow-in >0	+Cottonwood_Creek_Inflow_to_Sacramento_RM_271	-cow_creek_inflow_to_sacramento_rm_277
Sacramento inflows - Battle Creek (mile 271.3)	ZR IN172 A=Sacramento B=Battle Cr C=flow-in >0	+battle_creek_inflow_to_sacramento_rm_269	-Cottonwood_Creek_Inflow_to_Sacramento_RM_271
Sacramento inflows - Inks Creek (mile 260.5)	ZR IN170 A=Sacramento B=Bend Bridge C=flow-In >0	+swrcb_sac_abv_bend_bridge	-battle_creek_inflow_to_sacramento_rm_269
Sacramento inflows - Paynes Creek (mile 253.3)	ZR IN160 A=Sacramento B=Red Bluff C=flow-in >0	+Sacramento_River_70	-swrcb_sac_abv_bend_bridge
Sacramento inflows - Antelope, Elder, Mill, Thomes, Deer, and Jewett Creeks, (miles 234.3, 230.4, 230.2, 226.0, 219.6, & 218.3)	ZR IN150 A=Sacramento B=below Red Bluff C=flow-in >0	+deer_creek_inflow_to_sacramento_rm_218	-tehama_colusa_outflow_from_sacramento_rm_240
Sacramento River accretions (miles 214–206)	ZR IN140 A=Sacramento B=Glenn Colusa C=flow-in >0	+glenn_colusa_canal_outflow_from_sacramento_rm_207	-deer_creek_inflow_to_sacramento_rm_218
Sacramento inflows – Pine, Big Chico, and Stoney Creek (miles 196, 191.5, & 190.5)	ZR IN1132 A=Sacramento B=Stony Creek C=FLOW-in >0	+swrcb_sac_at_ord_ferry	-glenn_colusa_canal_outflow_from_sacramento_rm_207
Sacramento River accretions (miles 184–169)	ZR IN130 A=Sacramento B=Butte City C=flow-in >0	+swrcb_sac_at_butte_city	-swrcb_sac_at_ord_ferry

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Sacramento River accretions (miles 159–146)	ZR IN120 A=Sacramento B=Colusa weir C=flow-in >0	+Colusa_weir	-sacramento_river_rm_159
Sacramento River accretions (miles 146–121)	ZR IN118 A=Sacramento B=abv Tisdale weir C=flow-in >0	+Tisdale_weir	-colusa_weir
Sacramento River accretions (miles 119–86)	ZR IN114 A=Sacramento B=Knights Landing C=flow-in >0	+swrcb_sac_at_knights_landing	-Tisdale_weir
Trinity Lake evaporation	ZR QD340 A=Trinity B=TRINITY C=flow-div	+Trinity_Reservoir_Evap	
Trinity Lake evaporation (ZR EV340 control requirement)	ZR EV340 A=Trinity B=TRINITY C=flow-evap	+Trinity_Reservoir_Evap	
Trinity system, Clear Creek Tunnel withdrawal	ZR QD320 A=Trinity B=LEWISTON C=flow-div	+Clear_Creek_Tunnel_0 ADD QMIN[c]	
Total Whiskeytown Lake withdrawal including evaporation [e]	ZR QD240 A=Clear CR B=WHISKEYTOWN1 C=flow-div	+spring_creek_conduit_0 +Transmission_Link_from_Clear_Creek_WTP_to_A_02_PA +Transmission_Link_from_Clear_Creek_WTP_to_U_02_PU +Transmission_Link_from_Whiskeytown_Reservoir_to_U_02_PU +Transmission_Link_from_Whiskeytown_Reservoir_to_U_03_PU +Whiskeytown_Reservoir_Evap	
Component of Whiskeytown withdrawal not delivered to Keswick Lake	ZR QD212 A=Clear CR B=Spring CR PH C=flow-div	+Transmission_Link_from_Clear_Creek_WTP_to_A_02_PA +Transmission_Link_from_Clear_Creek_WTP_to_U_02_PU +Transmission_Link_from_Whiskeytown_Reservoir_to_U_02_PU +Transmission_Link_from_Whiskeytown_Reservoir_to_U_03_PU +Whiskeytown_Reservoir_Evap	

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Whiskeytown Lake evaporation	ZR EV240 A=Clear CR B=WHISKEYTOWN C=flow-evap	+Whiskeytown_Reservoir_Evap	
Shasta Lake diversion including evaporation	ZR QD220 A=Sacramento B=Shasta C=flow-div	+Transmission_Link_from_Shasta_Lake_to_U_03_PU +Shasta_Lake_Evap	
Shasta Lake evaporation	ZR EV220 A=Sacramento B=Shasta C=flow-evap	+Shasta_Lake_Evap	
Keswick Lake evaporation	ZR QD200 A=Sacramento B=Keswick C=flow-div	+Keswick_Reservoir_Evap	
Sacramento ACID diversion (mile 298.5)	ZR QD180 A=Sacramento B=Clear Creek C=FLOW-Div >0	+Whiskeytown_Reservoir +keswick_reservoir	-clear_creek_inflow_to_sacramento_river
Sacramento River depletions (miles 289–280)	ZR QD178 A=Sacramento B=Cow Cr C=flow-div >0	+clear_creek_inflow_to_sacramento_river	-cow_creek_inflow_to_sacramento_rm_277
Sacramento River depletions (miles 280–273)	ZR QD174 A=Sacramento B=Cottonwood Cr C=flow-div >0	+cow_creek_inflow_to_sacramento_rm_277	-Cottonwood_Creek_Inflow_to_Sacramento_RM_271
Sacramento River depletions (miles 271–260)	ZR QD170 A=Sacramento B=Bend Bridge C=flow-div >0	+battle_creek_inflow_to_sacramento_rm_269	-swrcb_sac_abv_bend_bridge
Sacramento River depletions (miles 260–243)	ZR QD160 A=Sacramento B=Red Bluff C=flow-div >0	+swrcb_sac_abv_bend_bridge	-Sacramento_River_70
Sacramento River Diversion - Tehama Colusa Canal (mile 242.5)	ZR QD158 A=Sacramento B=Tehama Colusa Canal C=flow-div >0	+tehama_colusa_canal_0	
Sacramento River depletions plus Glen Colusa Canal withdrawal (mile 206.3)	ZR QD140 A=Sacramento B=Glenn Colusa C=flow-div >0	+deer_creek_inflow_to_sacramento_rm_218	-glenn_colusa_canal_outflow_from_sacramento_rm_207
Sacramento River depletions including Ord Ferry spills (mile 188.5)	ZR QD132 A=Sacramento B=Ord Ferry C=FLOW-div >0	-swrcb_sac_at_ord_ferry	+glenn_colusa_canal_outflow_from_sacramento_rm_207
Sacramento River depletions (mile 184 - 169)	ZR QD130 A=Sacramento B=Butte City C=flow-div >0	+swrcb_sac_at_ord_ferry	-swrcb_sac_at_butte_city

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Sacramento River depletions including Moulton Weir spills (mile 159.5)	ZR QD126 A=Sacramento B=Moulton weir C=flow-div >0	+swrcb_sac_at_butte_city	-sacramento_river_rm_159
Sacramento River depletions including Colusa Weir spills (mile 146.5)	ZR QD120 A=Sacramento B=Colusa weir C=flow-Div >0	+sacramento_river_rm_159	-colusa_weir
Sacramento River depletions including Tisdale Weir spills (mile 119.5)	ZR QD116 A=Sacramento B=Tisdale weir C=flow-div >0	+Colusa_weir	-Tisdale_weir
Sacramento River depletions (miles 119–86)	ZR QD114 A=Sacramento B=Knights Landing C=flow-div >0	+Tisdale_weir	-swrcb_sac_at_knights_landing

ACID = Anderson-Cottonwood Irrigation District

DSS = U.S. Army Corps of Engineers' Hydrologic Engineering Center Data Storage System

Smaller reservoirs have constant specified starting storage values that are not listed in this table.

">0" restricts input to positive values.

[a] Record types: "ZR" followed by the control point number a record ID recognized by HEC5Q; "SS" Reservoir starting storage in ACFT; "QA" flow ;"IN" inflow; "QD" diversion: "EV" evaporation in cubic feet per second.

[b] The complete path name would be "A=Trinity B=TRINITY C=Stor-Res-fit D=1DAY F=user specified (e.g., "F=S.base"). "Stor-Res-fit" specifies a cubic spline curve fit of the end-of-month storage volume – allows for storage set automatically on any initial starting date.

[c] QMIN 1" species a minimum flow rate of 1 cubic foot per second. Any flow imbalance is corrected by "ADD QMIN."

[d] Path name containing inflows based on historical data for scaling the monthly inflows to daily inflows (required following "C=flow-in-pat").

[e] HEC5 restricts reservoir diversions to a single value. Therefore, all diversions are allocated to the Spring Creek Tunnel (ZR QD240). Since the diversion links and evaporation cannot flow to Keswick Lake, "QD 212" removes that flow component at the Spring Creek Power Plant.

Table H1b1-2. SacWAM Inputs to the Feather-American River HEC-5Q Water Temperature Model

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
Lake Oroville - reservoir storage	ZR SS490 A=Feather B=Oroville C=Stor-Res-fit [b]	+oroville_reservoir_storage	
Folsom Lake - reservoir storage	ZR SS590 A=AMERICAN B=FOLSOM C=STOR-RES-fit	+folsom_lake_storage	
Lake Oroville - reservoir inflow	ZR IN490 A=Feather B=Oroville c=flow-in-pat	+swrcb_oroville_inflow	
Lake Oroville - daily inflow based on flow records (for scaling monthly inflow) [c]	A=Feather B=Oroville C=flow-in E=1DAY F=Historical_based		
Oroville Dam - reservoir outflow	ZR QA490 A=Feather B=Oroville C=flow-out	+oroville_reservoir	
Lake Oroville - reservoir diversion including evaporation	ZR QD490 A=Feather B=Oroville c=flow-div	+oroville_reservoir_evap +palermo_canal_0	
Lake Oroville - evaporation	ZR EV490 A=Feather B=Oroville c=flow-evap	+oroville_reservoir_evap	
Kelly Ridge power inflow below Oroville Dam	ZR IN482 A=Feather B=Kelly Ridge C=flow-in	+ops_kelly_ridge_powerhouse	
Diversion Dam diversion to the Thermalito Forebay	ZR QD480 A=Feather B=Diversion Dam C=flow-div	+power_canal_0	
Thermalito Afterbay net diversion including evaporation	ZR QD450 A=Feather B=Thermalito C=flow-div	+power_canal_0	-thermalito_afterbay
Thermalito Afterbay evaporation	ZR EV450 A=Feather B=Thermalito C=flow-evap	+Thermalito_afterbay_evap	
Feather River - depletion between Yuba City and Wheatland (miles 29.4–12.4)	ZR QD415 A=Feather B=Wheatland C=flow-div >0	+yuba_river_inflow_to_feather_rm_028	-bear_river_inflow_to_feather_rm_012
Feather River - depletion between Wheatland and Nicolaus (miles 12.4 –8.8)	ZR QD410 A=Feather B=Nicolaus C=flow-div >0	+bear_river_inflow_to_feather_rm_012	-swrcb_feather_river
Feather River low flow channel - net accretions (miles 66.7–59.7)	ZR IN442 A=Feather B=blw Diversion Dam C=flow-net	+power_canal_0 +power_canal_inflow	-oroville_reservoir -ops_kelly_ridge_powerhouse

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
			-thermalito_afterbay
Feather River at Live Oak, mile 44.8 (3.7 miles below Honcut Creek)	ZR IN425 A=Feather B=Live Oak C=flow-IN >0	+honcut_creek_inflow	-power_canal_inflow
Feather River at Yuba City, mile 29.4 (1.9 miles below the Yuba River)	ZR IN420 A=Feather B=Yuba City C=flow-in >0	+yuba_river_inflow_to_feather_rm_028	-honcut_creek_inflow
Feather River at Wheatland, mile 12.4 (1.4 miles below the Bear River)	ZR IN415 A=Feather B=Wheatland C=flow-in >0	+bear_river_inflow_to_feather_rm_012	-yuba_river_inflow_to_feather_rm_028
Feather River at Nicolaus - net accretions (miles 12.1–8.8)	ZR IN410 A=Feather B=Nicolaus C=flow-in >0	+swrcb_feather_river	-bear_river_inflow_to_feather_rm_012
Sacramento River below Knights Landing (mile 81)	ZR IN106 A=Sacramento B=Knights Landing C=flow-IN	+swrcb_sac_at_knights_landing	
Sacramento River at Verona - balancing inflow (mile 78.5)	ZR IN98 A=Sacramento B=Verona C=flow-in	+swrcb_sac_at_verona	-swrcb_feather_river -swrcb_sac_at_knights_landing
Folsom Lake inflow	ZR IN590 A=AMERICAN B=FOLSOM C=FLOW-IN	+swrcb_folsom_inflow	
Folsom Dam release	ZR QA590 A=AMERICAN B=FOLSOM C=FLOW-OUT	+folsom_lake	
Folsom Lake diversion including evaporation	ZR QD590 A=AMERICAN B=FOLSOM C=FLOW-DIV	+folsom_lake_evap +folsom_reservoir_diversions	
Folsom Lake evaporation	ZR EV590 A=AMERICAN B=FOLSOM C=FLOW-EVAP	+folsom_lake_evap	
Lake Natoma diversion including evaporation	ZR QD582 A=AMERICAN B=abv NATOMA C=FLOW-div	+folsom_lake	-lake_natoma -lake_natoma_evap
Lake Natoma evaporation	ZR QD580 A=AMERICAN B=NATOMA C=FLOW-DIV	+lake_natoma_evap	
American River - net diversion (Sacramento City diversion, mile 7)	ZR QD570 A=AMERICAN B=FAIRBAIRN C=FLOW-DIV >0	+lake_natoma	-swrcb_american_river

Description	HEC-5Q Record Type; A, B, and C Parts of the DSS Path Name and Controls [a]	SacWAM Link Identification: Added to the DSS Record	SacWAM Link Identification: Subtracted from the DSS Record
American River accretions below Lake Natoma	ZR IN560 A=AMERICAN B=Discovery Park C=FLOW-in >0	+swrcb_american_river	-lake_natoma

DSS = U.S. Army Corps of Engineers' Hydrologic Engineering Center Data Storage System

Smaller reservoirs have constant specified starting storage values that are not listed in this table.

">0" restricts input to positive values.

[a] Record types: "ZR" followed by the control point number a record ID recognized by HEC5Q; "SS" Reservoir starting storage in ACFT; "QA" flow ;"IN" inflow; "QD" diversion: "EV" evaporation in cubic feet per second.

[b] The complete path name would be "A=Feather B=Oroville C=Stor-Res-fit D=1DAY F=user specified (e.g., "F=F.base"). "Stor-Res-fit" specifies a cubic spline curve fit of the end-of-month storage volume – allows for storage set automatically on any initial starting date.

[c] Path name containing inflows based on historical data for scaling the monthly inflows to daily inflows (required following "C=flow-in-pat").

H1b1.1 PowerPoint Slides Describing SacWAM to HEC-5Q Tool

SacWAM to HEC5Q Utility Inputs (1)

Batch run / control file e.g., *S2022-06-29-base.run*
File assignments and controls: (Note that none of the inputs are case sensitive)

S2022-06-29-base.run

```
1  HEC_inputs_2022-06-29-15h33m57s.date.prn
2  2022-06-29-base.csv
3  SACWAM_DSS_JULY2022.DSS
4  SAC_MetData_etc.DSS
5  F=S.base
6  SAC.control.dat
```

Line 1 HEC_inputs_2022 -06-29-15h33m57s.date.prn…. First line of the *.csv SacWAM output file looks like:

1	date	battle_creek_inflow_to_sacramento_rm_269	black_butte_reservoir	black_butte_reservoir_evap

Line 1 of *.csv file

After the first line has been copied, transposed and saved as a *.prn file, the resulting file will look like:

HEC_inputs_2022-06-29-15h33m57s.date.pm

```
1  model_revision
2  scenario
3  date
4  american_river_14
5  battle_creek_inflow_to_sacramento_rm_269
6  bear_river_inflow_to_feather_rm_012
7  black_butte_reservoir
```

133 lines including "END"

SacWAM to HEC5Q Utility Inputs (1 - continued)

Line 2 SacWAM model output. Note that the file cannot be an *.xlsx file since the model output is read by the utility as a comma separated text file.

Line 3 Input DSS output file containing records required by HEC5Q that are extracted from SacWAM output

Line 4 Input meteorology and other data that are required by HEC5Q as well as flow patterns required by the pattering option. These data are copied to SACWAM_DSS_JULY2022.DSS.

Line 5 Output DSS F part that references the SacWAM model. Identifying each scenario allows multiple scenarios in a single DSS file

Line 6 Input file that controls how the SacWAM output is processed to create the individual records required by HEC5Q

To run the SacWAM utility, double click on “SacWAM_HEC5Q.exe” and enter the run file name.

SacWAM to HEC5Q Utility Inputs (2)

Example ZR records and corresponding SacWAM records contained in the Sac.control.dat. The “SacWAM.2.HEC5Q.xlsx” file contains all of the control records in a more convenient format.

```
ZR QD320  A=Trinity    B=LEWISTON   C=flow-div
+Lewiston_Lake_Evap
+Clear_Creek_Tunnel_0
ZR EV320  A=Trinity    B=LEWISTON   C=flow-evap
+Lewiston_Lake_Evap

ZR QD240  A=Clear_CR   B=WHISKEYTOWN    C=flow-div
+Whiskeytown_Reservoir_Evap
+spring_creek_conduit_0
+Transmission_Link_from_Clear_Creek_WTP_to_A_02_PA
+Transmission_Link_from_Clear_Creek_WTP_to_U_02_PU
+Transmission_Link_from_Whiskeytown_Reservoir_to_U_02_PU
+Transmission_Link_from_Whiskeytown_Reservoir_to_U_03_PU
```

1. *ZR QD320 record* …. Defines the total diversion (including evaporation) from Lewiston Lake followed by the SacWAM components**
2. *ZR EV320 record* …. Defines the Lewiston evaporation component
3. *ZR QD240 record* …. Defines the total diversion from Whiskeytown**

** The + (or -) in column 1 controls how the components are processed (Plus or minus)

Note that the four transmission links are included in the Spring Creek diversion but are removed for the Rock Creek Siphon

SacWAM to HEC5Q Utility Inputs (3)

Curve fit and flow pattering … add "-FIT" or "-PAT" to the Cpart. Note than any record not beginning in column 1 is ignored. E.g., "Shasta" The PAT options requires a historical record input as a DSS record.

```
    Shasta
ZR SS220  A=Sacramento B=Shasta   C=Stor-Res-fit
+Shasta_Lake_Storage

ZR IN220  A=Sacramento B=SHASTA   C=flow-in-pat
A=Sacramento B=SHASTA  C=flow-in  E=1DAY  F=HISTORICAL_BASED
+I_SHSTA_Inflow

ZR QA220  A=Sacramento B=SHASTA   C=flow-out
+Shasta_Lake
```

+/- partitioning / constraints … by adding the ">0" in beginning in column 71, only positive values will be saved. Note that the signs for the SacWAM records are reversed to distinguish between inflow and diversion

```
ZR IN178  A=Sacramento B=Cow Cr       C=flow-in                    >0
-clear_creek_inflow_to_sacramento_river
+cow_creek_inflow_to_sacramento_rm_277

ZR QD178  A=Sacramento B=Cow Cr           C=flow-div               >0
+clear_creek_inflow_to_sacramento_river
-cow_creek_inflow_to_sacramento_rm_277
```