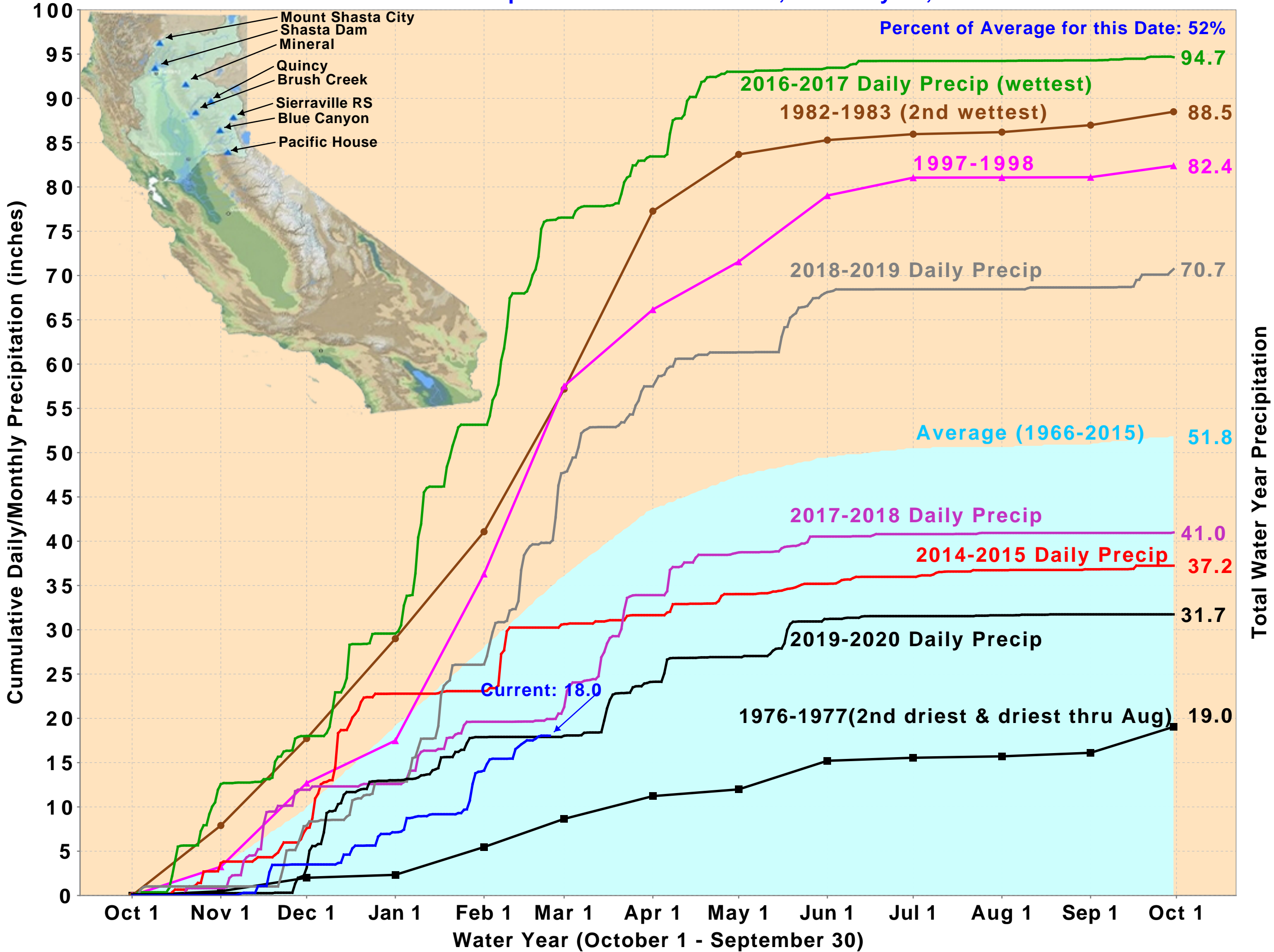
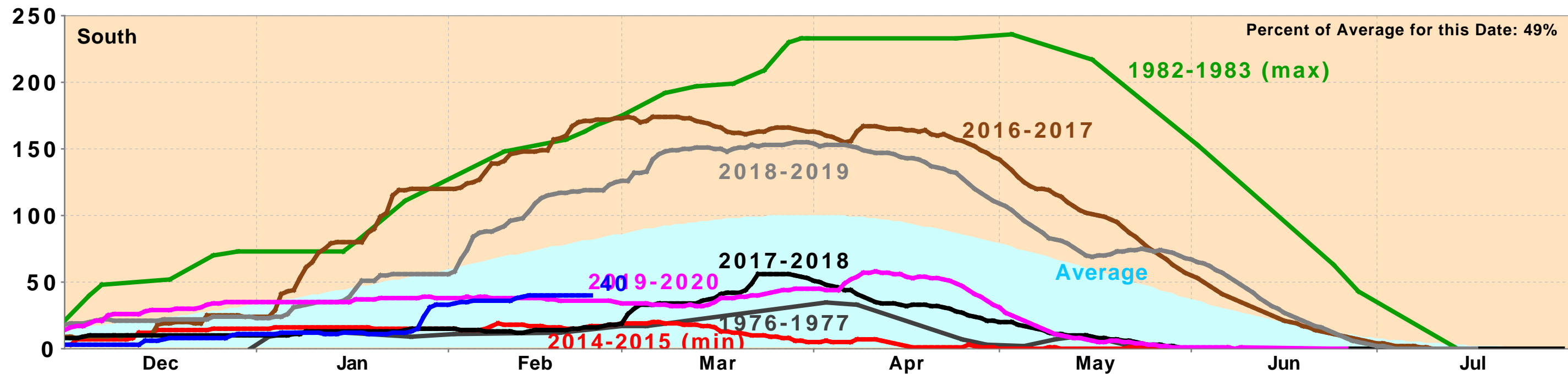
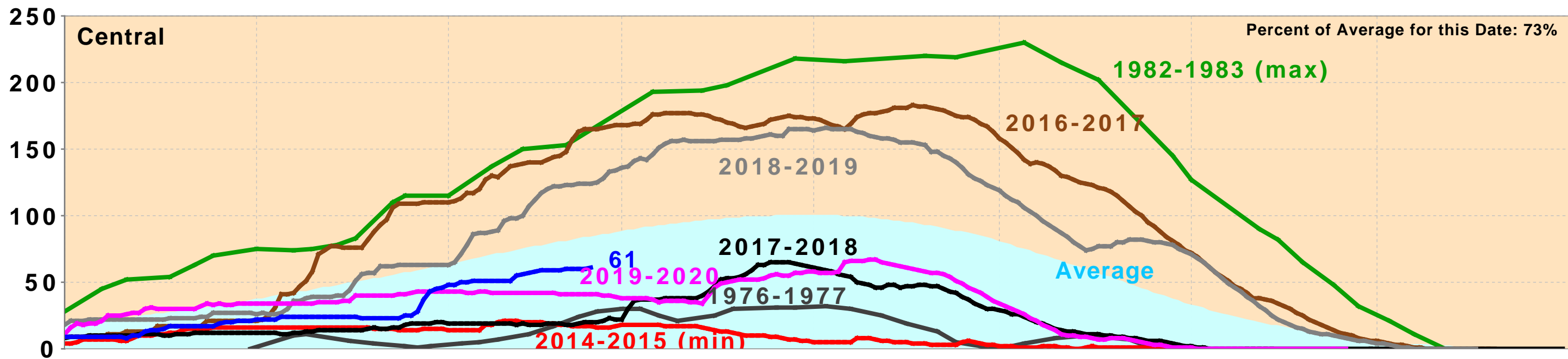
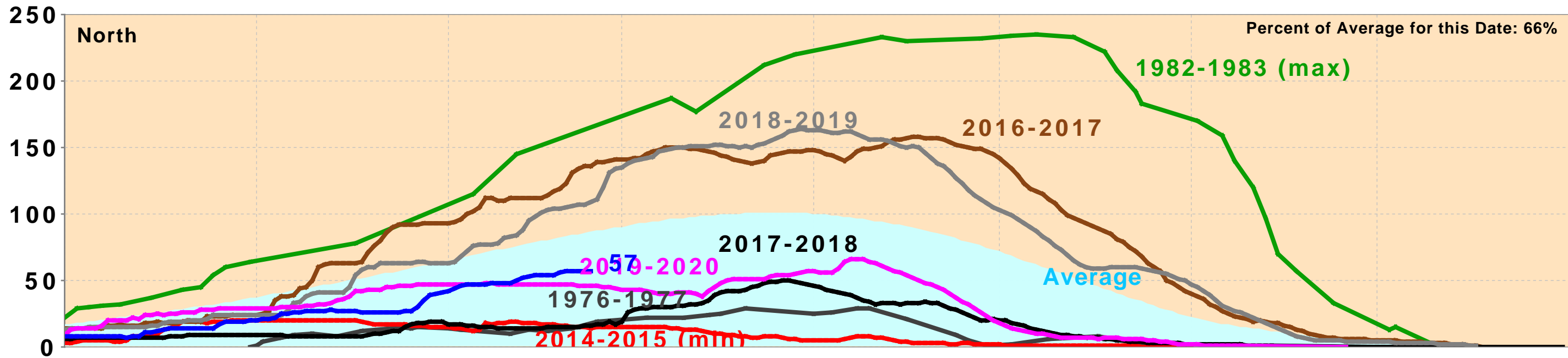


# Northern Sierra Precipitation: 8-Station Index, February 24, 2021



# California Snow Water Content, February 24, 2021, Percent of April 1 Average



Statewide Percent of April 1: 54%

Statewide Percent of Average for Date: 64%

**DAILY CVP WATER SUPPLY REPORT**

FEBRUARY 23, 2021

RUN DATE: February 24, 2021

**RESERVOIR RELEASES IN CUBIC FEET/SECOND**

| RESERVOIR   | DAM            | WY 2020 | WY 2021 | 15 YR MEDIAN |
|-------------|----------------|---------|---------|--------------|
| TRINITY     | LEWISTON       | 298     | 313     | 307          |
| SACRAMENTO  | KESWICK        | 4,993   | 3,304   | 3,318        |
| FEATHER     | OROVILLE (SWP) | 2,250   | 1,250   | 1,750        |
| AMERICAN    | NIMBUS         | 1,914   | 991     | 1,765        |
| STANISLAUS  | GOODWIN        | 2,002   | 406     | 402          |
| SAN JOAQUIN | FRIANT         | 583     | 315     | 286          |

**STORAGE IN MAJOR RESERVOIRS IN THOUSANDS OF ACRE-FEET**

| RESERVOIR       | CAPACITY | 15 YR AVG | WY 2020 | WY 2021 | % OF 15 YR AVG |
|-----------------|----------|-----------|---------|---------|----------------|
| TRINITY         | 2,448    | 1,541     | 2,020   | 1,272   | 83             |
| SHASTA          | 4,552    | 3,029     | 3,551   | 2,262   | 75             |
| FOLSOM          | 977      | 473       | 462     | 340     | 72             |
| NEW MELONES     | 2,420    | 1,483     | 1,952   | 1,554   | 105            |
| FED. SAN LUIS   | 966      | 658       | 514     | 475     | 72             |
| TOTAL NORTH CVP | 11,363   | 7,185     | 8,499   | 5,903   | 82             |
| MILLERTON       | 520      | 285       | 295     | 169     | 59             |
| OROVILLE (SWP)  | 3,538    | 1,977     | 2,254   | 1,335   | 68             |

**ACCUMULATED INFLOW FOR WATER YEAR TO DATE IN THOUSANDS OF ACRE-FEET**

| RESERVOIR   | CURRENT WY 2021 | WY 1977 | WY 1983 | 15 YR AVG | % OF 15 YR AVG |
|-------------|-----------------|---------|---------|-----------|----------------|
| TRINITY     | 99              | 54      | 694     | 332       | 30             |
| SHASTA      | 1,110           | 1,109   | 3,966   | 1,982     | 56             |
| FOLSOM      | 322             | 155     | 2,184   | 845       | 38             |
| NEW MELONES | 157             | ---     | 730     | 297       | 53             |
| MILLERTON   | 185             | 97      | 1,081   | 303       | 61             |

**ACCUMULATED PRECIPITATION FOR WATER YEAR TO DATE IN INCHES**

| RESERVOIR                    | CURRENT WY 2021 | WY 1977 | WY 1983 | AVG (N YRS)    | % OF AVG | LAST 24 HRS |
|------------------------------|-----------------|---------|---------|----------------|----------|-------------|
| TRINITY AT FISH HATCHERY     | 13.92           | 6.18    | 32.03   | 21.90<br>( 59) | 64       | 0.00        |
| SACRAMENTO AT SHASTA DAM     | 18.50           | 7.79    | 61.55   | 41.24<br>( 64) | 45       | 0.00        |
| AMERICAN AT BLUE CANYON      | 25.35           | 11.07   | 65.39   | 43.46<br>( 46) | 58       | 0.00        |
| STANISLAUS AT NEW MELONES    | 13.56           | ---     | 27.75   | 18.03<br>( 43) | 75       | 0.00        |
| SAN JOAQUIN AT HUNTINGTON LK | 13.29           | 7.60    | 52.30   | 26.62<br>( 46) | 50       | 0.00        |

| DATE  | Mean Daily Water Temperatures (°F) |      |                  |      |      |                  |      |      |      |      |                  |      |      |      | Mean Daily Release (CFS) |                   |               | Mean Daily Air Temperatures (°F) |      |      |      |      |
|-------|------------------------------------|------|------------------|------|------|------------------|------|------|------|------|------------------|------|------|------|--------------------------|-------------------|---------------|----------------------------------|------|------|------|------|
|       | TCD <sup>1</sup>                   | SHD  | SPP <sup>1</sup> | KWK  | SAC  | CCR <sup>2</sup> | BSF  | JLF  | BND  | RDB  | IGO <sup>3</sup> | LWS  | DGC  | NFH  | Shasta Generation        | Spring Creek P.P. | Keswick Total | RDD                              | BSF  | RDB  |      |      |
| Jan   | 51.6                               | 50.9 | 48.0             | 50.6 | 50.5 | 50.4             | 49.4 | 49.3 | 49.5 | 49.2 | 46.6             | 45.4 | 43.9 | 43.4 | 2775                     | 223               | 3275          | 47.9                             | 46.5 | 48.7 |      |      |
| 02/01 | 50.3                               | 49.5 | 46.1             | 49.0 | 49.1 | 49.2             | 48.9 | 49.2 | 49.4 | 49.2 | 45.8             | 44.1 | 43.2 | 43.0 | 2333                     | 564               | 3290          | 50.5                             | 49.1 | 50.2 |      |      |
| 02/02 | 50.2                               | 49.4 | 46.4             | 49.2 | 49.4 | 49.8             | 49.1 | 49.8 | ?    | 50.3 | 50.4             | 46.3 | 44.3 | 43.7 | 3040                     | 290               | 3284          | 47.0                             | 50.7 | 53.4 |      |      |
| 02/03 | 50.0                               | 49.3 | 46.3             | 49.1 | 49.1 | 49.0             | 47.6 | 48.0 | 48.3 | 48.6 | 45.1             | 44.2 | 43.4 | 43.6 | 2756                     | 282               | 3263          | 45.0                             | 44.2 | 44.9 |      |      |
| 02/04 | 49.8                               | 49.3 | 46.4             | 49.1 | 49.2 | 49.1             | 47.6 | 47.5 | 47.7 | 47.6 | 45.0             | 44.2 | 43.0 | 43.3 | 1754                     | 578               | 3285          | 53.0                             | 48.9 | 49.8 |      |      |
| 02/05 | #                                  | -    | !                | 46.7 | 49.0 | 49.2             | 49.5 | 48.6 | 48.5 | 48.5 | 48.2             | 45.7 | 44.3 | 42.8 | 2885                     | 167               | 3292          | 56.5                             | 51.3 | 53.1 |      |      |
| 02/06 | #                                  | -    | #                | 47.3 | 49.0 | 49.2             | 49.5 | 49.2 | 49.4 | 49.5 | 49.4             | 46.0 | 44.4 | 43.3 | 2938                     | 77                | 3291          | ↑                                | 58.5 | 53.8 | 54.3 |      |
| 02/07 | #                                  | -    | #                | 47.2 | 49.1 | 49.3             | 49.5 | 49.1 | 49.4 | 49.6 | 49.8             | 45.9 | 44.4 | 43.5 | 3089                     | 124               | 3292          | ↓                                | 53.5 | 48.1 | 50.6 |      |
| 02/08 | #                                  | -    | !                | 47.5 | 49.2 | 49.3             | 49.4 | 49.0 | 49.2 | 49.4 | 49.5             | 45.7 | 44.6 | 43.0 | 2917                     | 77                | 3295          | ↓                                | 49.5 | 46.6 | 48.9 |      |
| 02/09 | 50.0                               | 49.1 | 47.3             | 49.3 | 49.5 | 49.8             | 49.7 | 50.0 | 50.2 | 50.1 | 46.3             | 44.8 | 44.0 | 43.5 | 2723                     | 77                | 3295          | 52.0                             | 50.3 | 53.5 |      |      |
| 02/10 | 49.6                               | 49.1 | 47.3             | 49.4 | 49.7 | 50.0             | 50.0 | 50.4 | 50.7 | 50.9 | 46.3             | 44.9 | 44.4 | 44.3 | 2927                     | 77                | 3282          | 52.0                             | 49.7 | 53.5 |      |      |
| 02/11 | 49.6                               | 49.0 | 47.2             | 49.5 | 49.5 | 49.5             | 49.8 | 50.3 | 50.6 | 50.7 | 46.1             | 45.0 | 44.2 | 43.9 | 3251                     | 77                | 3261          | 48.0                             | 47.8 | 48.8 |      |      |
| 02/12 | 49.7                               | 49.0 | 46.7             | 49.4 | 49.7 | 50.1             | 49.6 | 49.9 | 50.2 | 50.3 | ?                | 46.3 | 45.2 | 44.0 | 3117                     | 134               | 3290          | 51.0                             | 50.3 | 51.7 |      |      |
| 02/13 | 49.7                               | 48.9 | 46.9             | 49.5 | 49.8 | 50.3             | 50.6 | 50.8 | 51.2 | 51.2 | 46.8             | 45.4 | 45.5 | 45.6 | 3078                     | 77                | 3262          | 52.0                             | 52.3 | 54.6 |      |      |
| 02/14 | 49.8                               | 49.0 | ?                | 47.2 | 49.4 | 49.5             | 49.5 | 49.4 | 49.8 | 50.3 | 50.7             | ?    | 46.1 | 45.4 | 43.2                     | 43.7              | 3149          | 77                               | 3265 | 47.5 | 45.3 | 48.1 |
| 02/15 | 49.4                               | 48.9 | ?                | 46.6 | 49.4 | 49.6             | 49.6 | 49.2 | 49.4 | 49.7 | 49.8             | 46.9 | 45.7 | 44.0 | 43.9                     | 2157              | 542           | 3231                             | 48.0 | 47.7 | 48.9 |      |
| 02/16 | 49.5                               | 49.0 | 46.7             | 49.1 | 49.4 | 49.6             | 49.2 | 49.3 | 49.5 | 49.5 | 46.1             | 45.7 | 44.4 | 44.7 | 2802                     | 330               | 3213          | 47.5                             | 45.0 | 48.7 |      |      |
| 02/17 | 49.8                               | 49.0 | 46.7             | 49.1 | 49.3 | 49.4             | 49.1 | 49.2 | 49.4 | 49.6 | 46.0             | 45.8 | 44.3 | 44.1 | 2603                     | 234               | 3224          | 47.0                             | 46.5 | 49.3 |      |      |
| 02/18 | 49.5                               | 48.9 | ?                | 46.5 | 48.9 | 48.9             | 48.7 | 48.4 | 48.5 | 48.8 | 48.9             | 45.7 | 45.7 | 43.2 | 43.4                     | 2573              | 510           | 3249                             | 42.5 | 41.6 | 44.4 |      |
| 02/19 | 49.3                               | 48.8 | ?                | 46.6 | 48.6 | 48.9             | 48.9 | 48.4 | 48.4 | 48.5 | 48.4             | 46.3 | 45.8 | 43.3 | 43.2                     | 2629              | 586           | 3293                             | 48.0 | 45.2 | 47.0 |      |
| 02/20 | 49.2                               | 48.8 | #                | -    | 48.6 | 49.0             | 49.3 | 49.1 | 49.4 | 49.5 | 49.3             | 46.5 | 45.9 | 44.6 | ?                        | 44.4              | 2592          | 374                              | 3301 | 50.0 | 48.4 | 50.8 |
| 02/21 | 49.7                               | 48.9 | #                | -    | 48.9 | 49.2             | 49.4 | 49.5 | 49.8 | 50.2 | 50.3             | 46.7 | 45.9 | 44.9 | 44.9                     | 2726              | 612           | 3304                             | 53.0 | 52.2 | 54.4 |      |
| 02/22 | 49.7                               | 48.9 | !                | -    | 49.0 | 49.4             | 49.9 | 50.4 | 50.7 | 50.9 | 51.0             | 47.4 | 46.0 | 45.9 | 45.9                     | 3209              | 161           | 3295                             | 62.0 | 58.0 | 58.9 |      |
| 02/23 | 49.5                               | 49.0 | 47.9             | 49.2 | 49.6 | 50.1             | 50.9 | 51.6 | 52.0 | 52.0 | 47.5             | 46.1 | 46.4 | 46.5 | 3007                     | 77                | 3304          | 60.0                             | 58.6 | 61.0 |      |      |
| 02/24 |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| 02/25 |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| 02/26 |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| 02/27 |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| 02/28 |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| -     |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| -     |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| -     |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      |                          |                   |               |                                  |      |      |      |      |
| Feb   | 49.7                               | 49.0 | 46.9             | 49.1 | 49.3 | 49.5             | 49.2 | 49.5 | 49.8 | 49.8 | 46.2             | 45.1 | 44.0 | 44.0 | 2794                     | 265               | 3277          | 51.0                             | 49.2 | 51.2 |      |      |
|       |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      | Total CFS                | 64255             | 6104          | 75361                            |      |      |      |      |
|       |                                    |      |                  |      |      |                  |      |      |      |      |                  |      |      |      | Total AF                 | 127447            | 12107         | 149475                           |      |      |      |      |

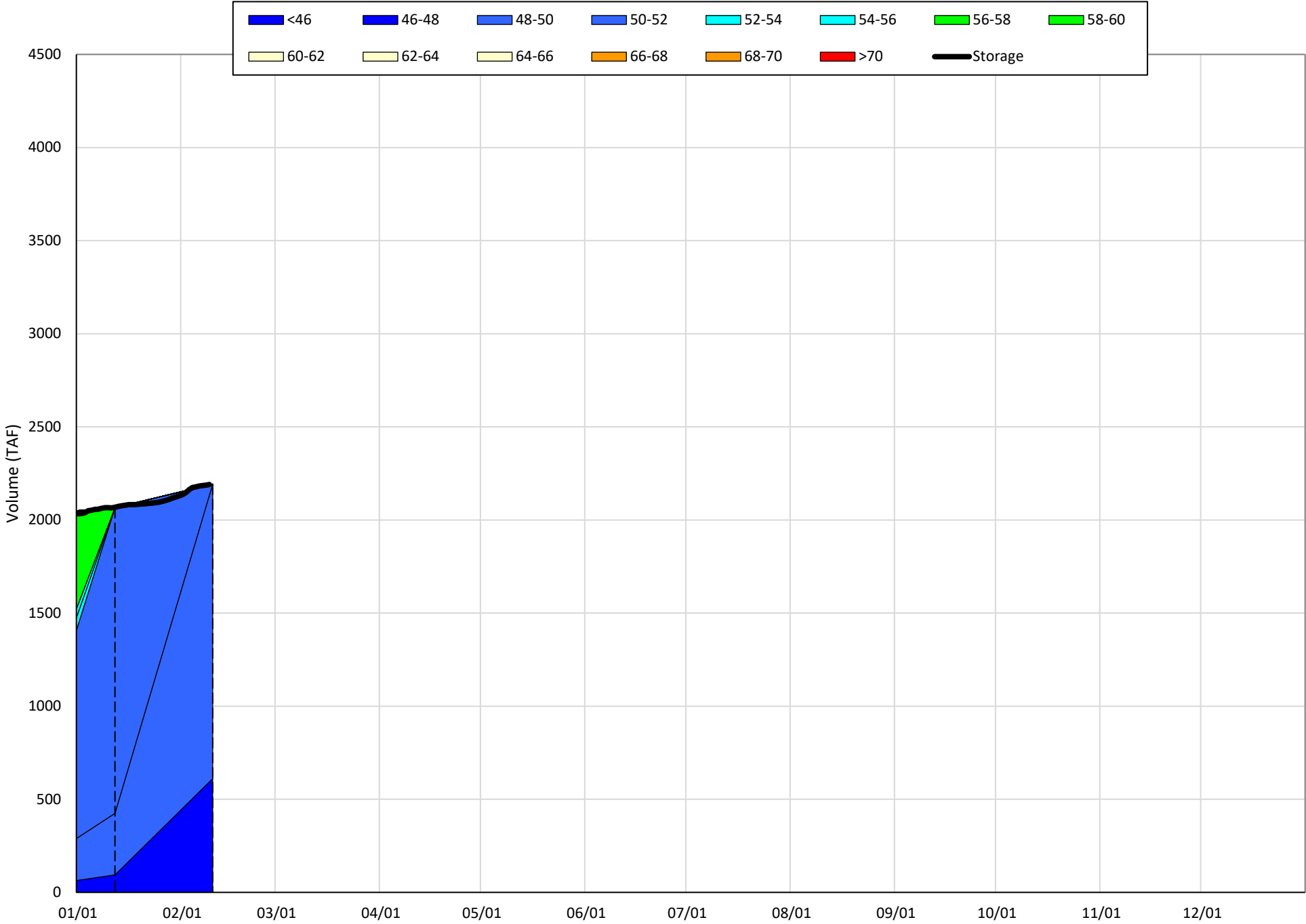
**Legend**

- ? = 1-9 hours of data missing (Average includes estimations)
- ! = 10 or more hours of data missing (Average not calculated)
- # = Station out of service
- ↑ = Record high air temperature
- ↓ = Record low air temperature
- = Monthly Averages

**Notes**

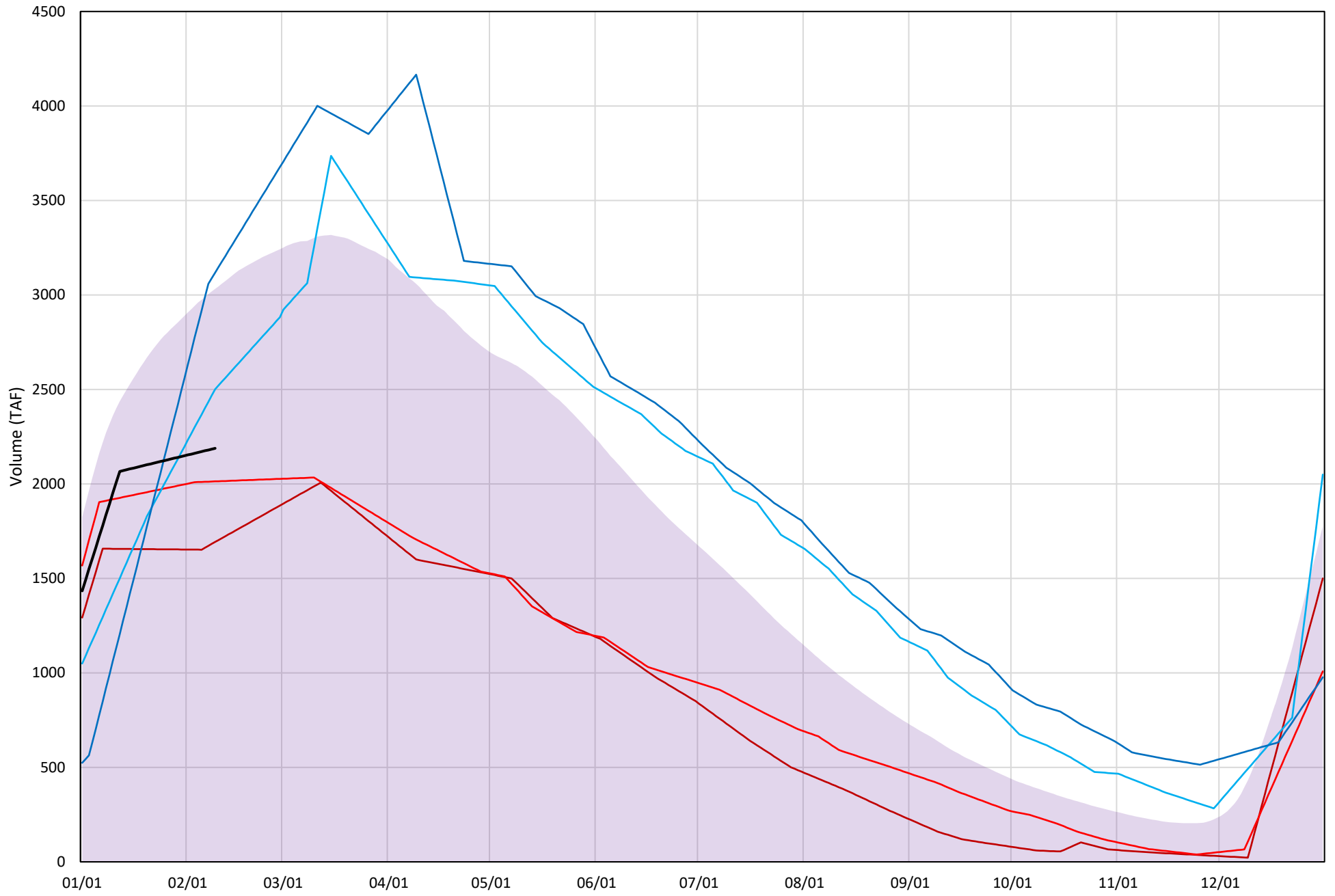
- <sup>1</sup> Temperatures are weighted averages based on individual penstock flow and temperature
- Highlighted cells in the TCD column indicate a TCD change was made on that day
- <sup>2</sup> Current Sacramento River control point (see page 4 for more details)

Shasta Lake Isothermobaths Plot - 2021



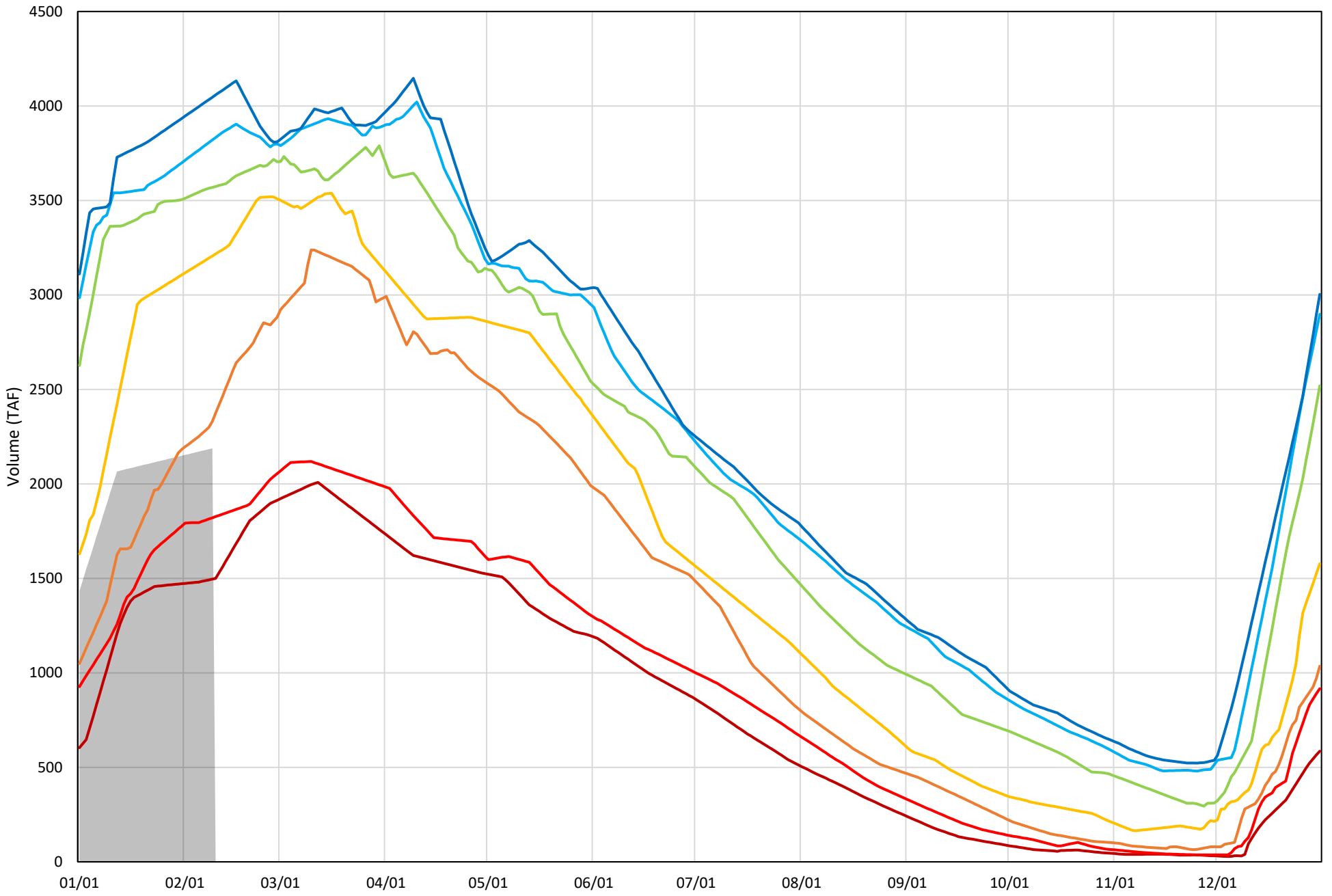
# Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$

Avg (1998-2020) 2014 2015 2016 2019 2021

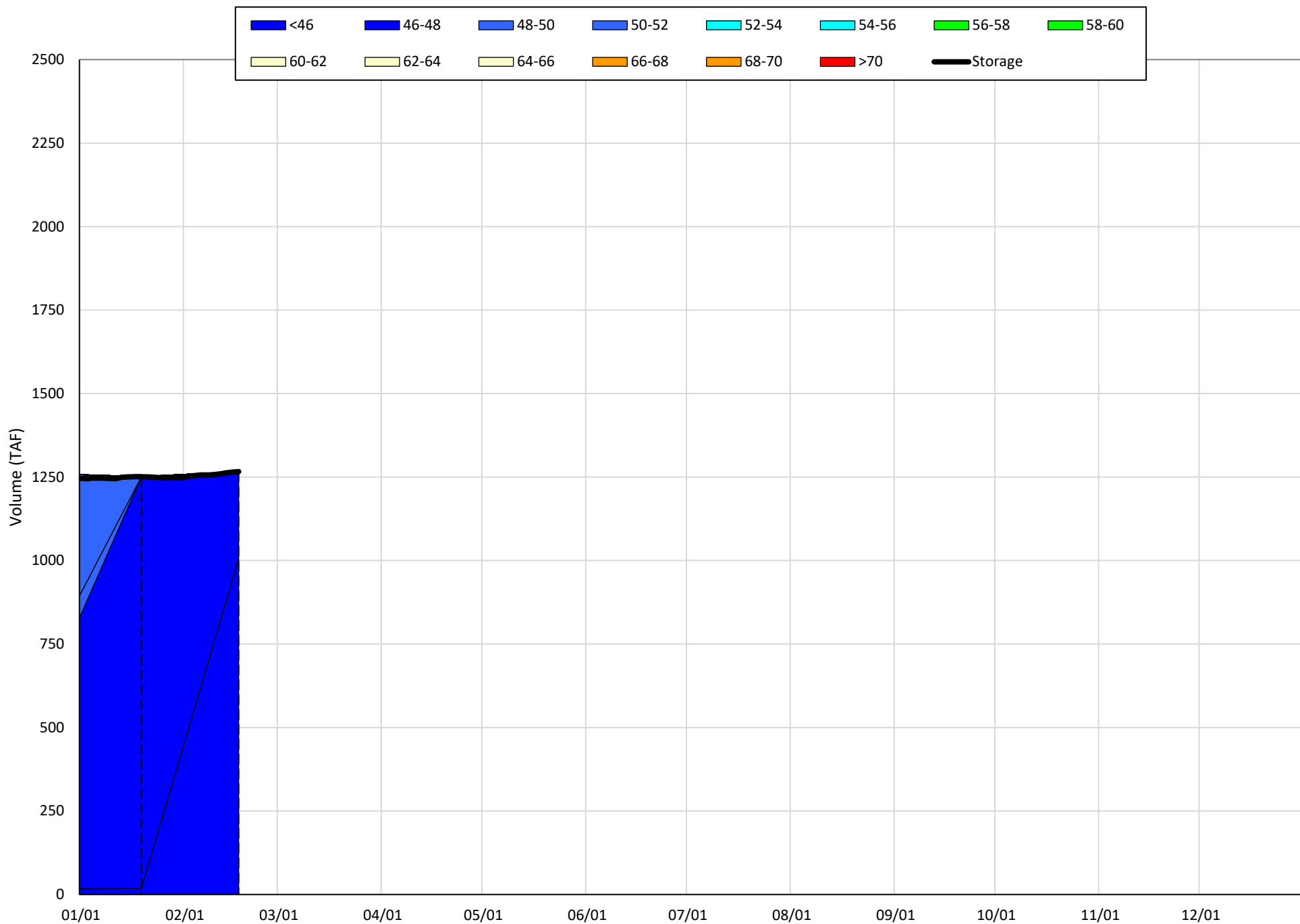


### Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (1998-2020)

2021 95 90 75 50 25 10 5



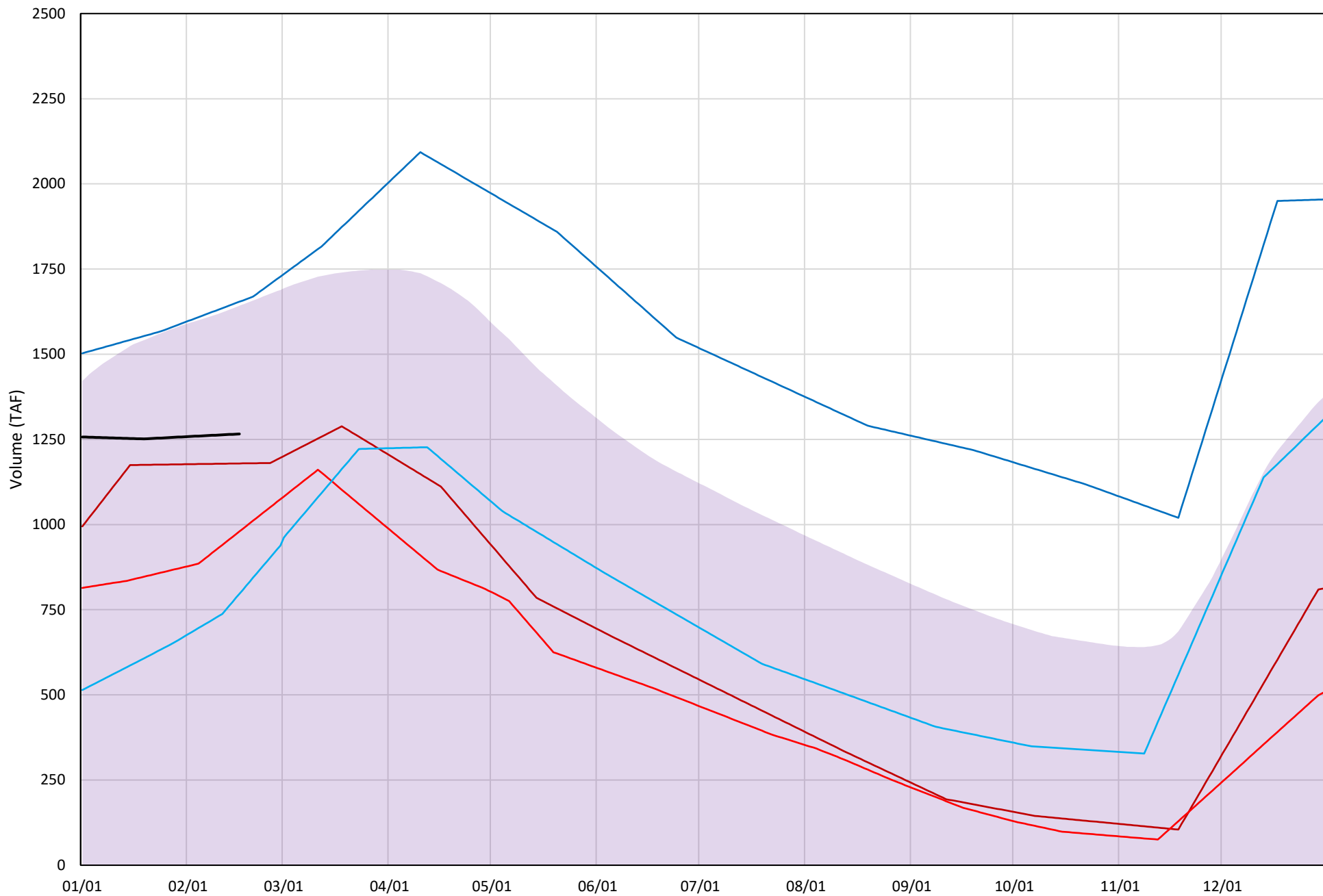
Trinity Lake Isothermobaths Plot - 2021



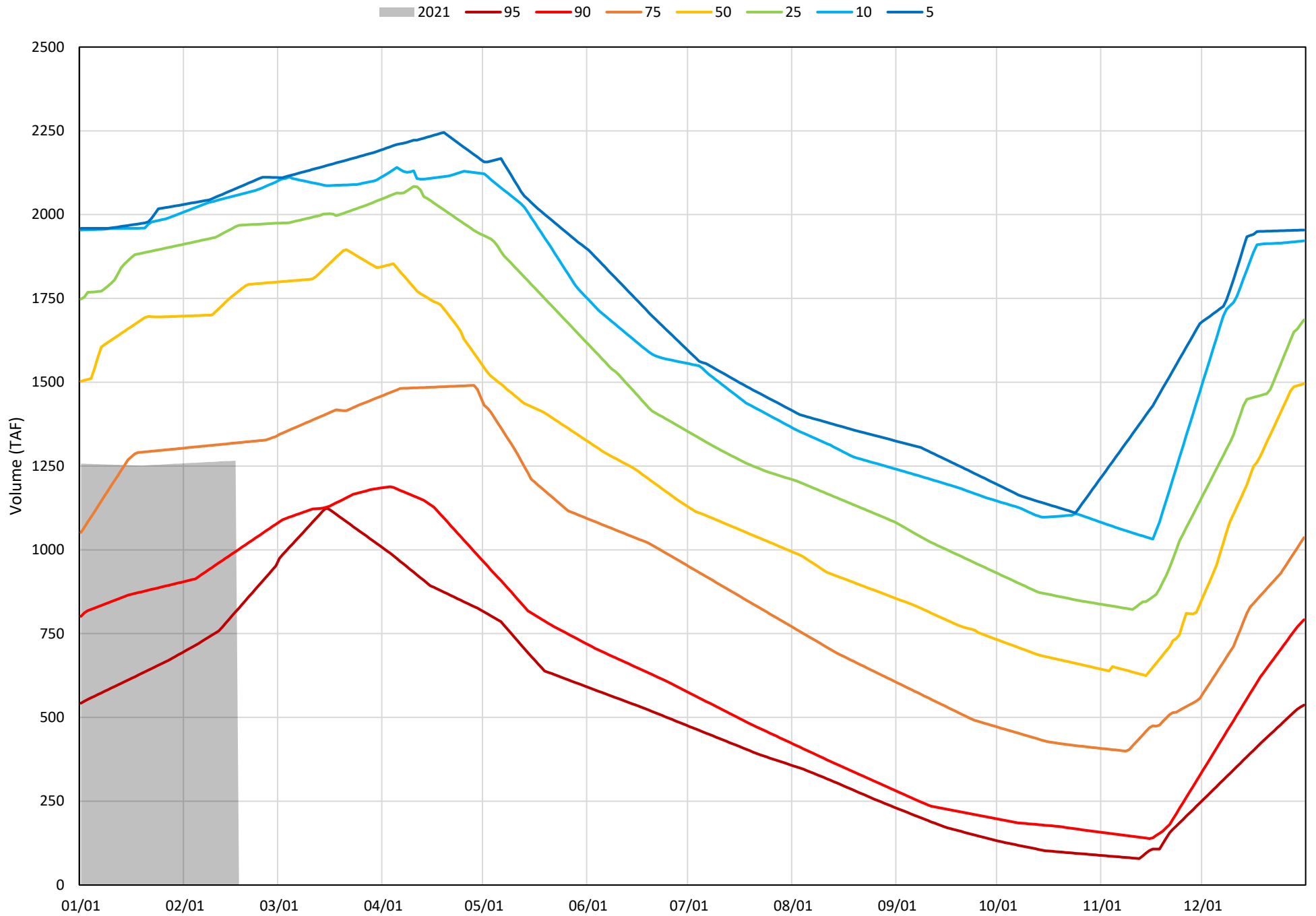


# Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$

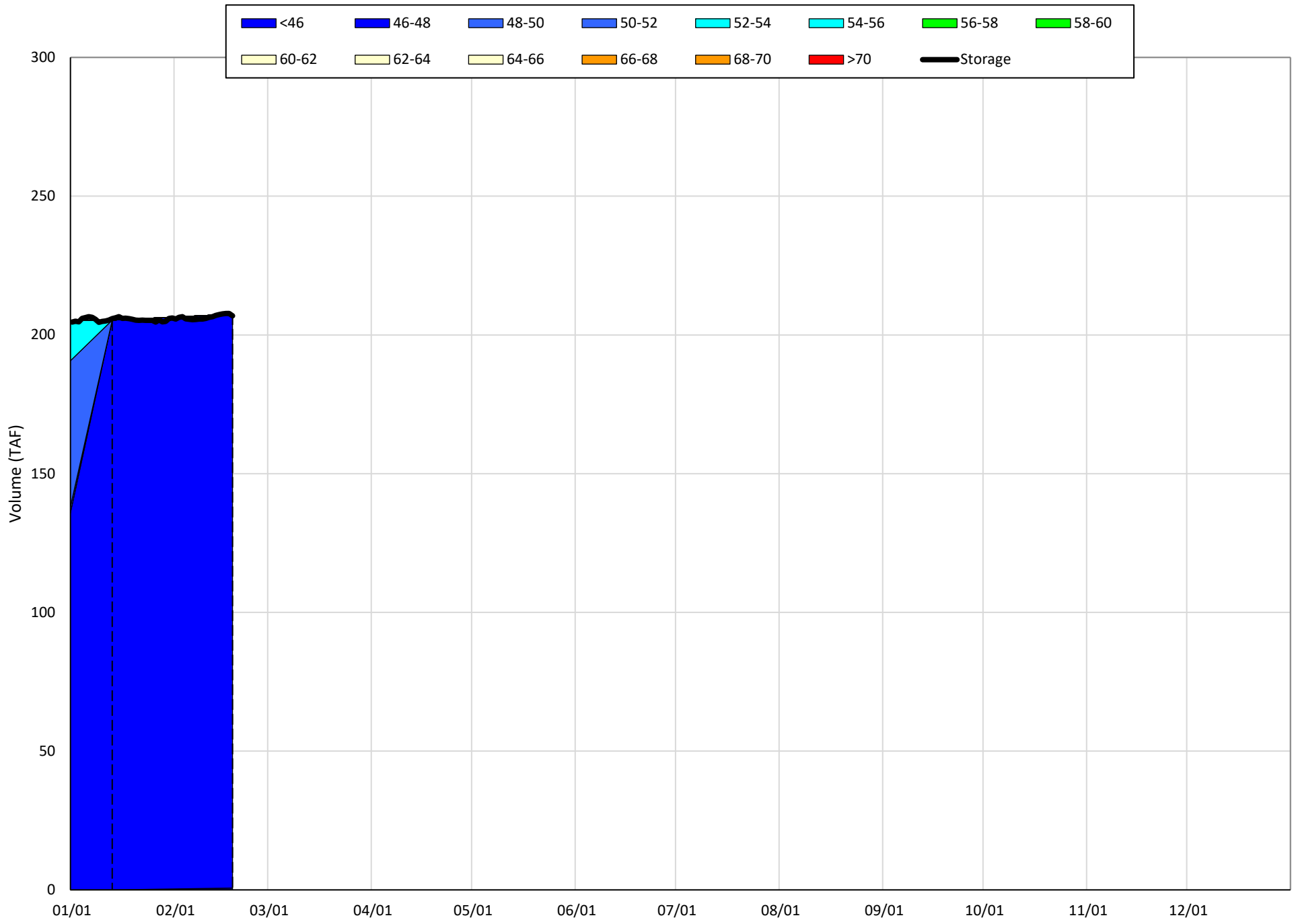
Avg (2000-2020) 2014 2015 2016 2019 2021



Trinity Lake Cold Water Pool Volume  $\leq 52^{\circ}\text{F}$  - Percent Exceedances (2000-2020)



# Whiskeytown Lake Isothermobaths Plot - 2021



**Estimated CVP Operations 90% Exceedance**

**Storages**

**Federal End of the Month Storage/Elevation (TAF/Feet)**

|              |       | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  | Jan  |
|--------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| Trinity      |       | 1249 | 1272 | 1349 | 1386 | 1295 | 1175 | 1047 | 893  | 739  | 1386 | 640  | 638  |
|              | Elev. | 2283 | 2290 | 2293 | 2285 | 2274 | 2260 | 2243 | 2223 | 2216 | 2211 | 2208 | 2208 |
| Whiskeytown  |       | 206  | 206  | 206  | 238  | 238  | 238  | 238  | 238  | 206  | 206  | 206  | 206  |
|              | Elev. | 1199 | 1199 | 1209 | 1209 | 1209 | 1209 | 1209 | 1209 | 1199 | 1199 | 1199 | 1199 |
| Shasta       |       | 2129 | 2322 | 2549 | 2481 | 2300 | 2062 | 1704 | 1477 | 1407 | 1367 | 1384 | 1455 |
|              | Elev. | 975  | 987  | 983  | 974  | 961  | 939  | 924  | 919  | 916  | 917  | 922  | 931  |
| Folsom       |       | 290  | 364  | 487  | 587  | 661  | 577  | 449  | 373  | 352  | 343  | 339  | 341  |
|              | Elev. | 398  | 415  | 427  | 435  | 426  | 410  | 399  | 396  | 394  | 394  | 394  | 396  |
| New Melones  |       | 1555 | 1552 | 1558 | 1532 | 1477 | 1418 | 1341 | 1279 | 1260 | 1219 | 1221 | 1225 |
|              | Elev. | 1009 | 1009 | 1007 | 1001 | 994  | 985  | 978  | 976  | 971  | 971  | 971  | 972  |
| San Luis     |       | 226  | 285  | 268  | 239  | 205  | 125  | 96   | 77   | 125  | 211  | 315  | 464  |
|              | Elev. | 462  | 457  | 449  | 443  | 437  | 430  | 425  | 430  | 443  | 463  | 492  | 516  |
| <b>Total</b> |       | 6000 | 6417 | 6462 | 6177 | 5594 | 4874 | 4336 | 4121 | 4038 | 4122 | 4331 | 4627 |

**State End of the Month Reservoir Storage (TAF)**

|                             |       |      |      |      |      |      |      |     |     |     |      |      |      |
|-----------------------------|-------|------|------|------|------|------|------|-----|-----|-----|------|------|------|
| Oroville                    |       | 1329 | 1477 | 1530 | 1512 | 1281 | 1008 | 816 | 788 | 806 | 828  | 868  | 950  |
|                             | Elev. | 710  | 728  | 734  | 732  | 704  | 665  | 634 | 629 | 632 | 636  | 643  | 656  |
| San Luis                    |       | 807  | 777  | 721  | 695  | 718  | 681  | 660 | 653 | 689 | 793  | 956  | 1082 |
| <b>Total San Luis (TAF)</b> |       | 870  | 1092 | 1045 | 960  | 843  | 777  | 737 | 778 | 900 | 1108 | 1420 | 1699 |

**Monthly River Releases (TAF/cfs)**

|             |     |      |      |      |       |      |       |      |      |      |      |      |      |
|-------------|-----|------|------|------|-------|------|-------|------|------|------|------|------|------|
| Trinity     | TAF | 17   | 18   | 36   | 92    | 47   | 28    | 53   | 52   | 23   | 18   | 18   | 18   |
|             | cfs | 300  | 300  | 600  | 1,498 | 783  | 450   | 857  | 870  | 373  | 300  | 300  | 300  |
| Clear Creek | TAF | 11   | 17   | 12   | 16    | 11   | 9     | 9    | 9    | 12   | 12   | 12   | 12   |
|             | cfs | 200  | 275  | 200  | 265   | 190  | 150   | 150  | 150  | 200  | 200  | 200  | 200  |
| Sacramento  | TAF | 180  | 200  | 405  | 461   | 532  | 615   | 461  | 297  | 281  | 230  | 200  | 200  |
|             | cfs | 3250 | 3250 | 6800 | 7500  | 8950 | 10000 | 7500 | 5000 | 4570 | 3873 | 3250 | 3250 |
| American    | TAF | 53   | 58   | 57   | 59    | 149  | 185   | 138  | 74   | 49   | 48   | 51   | 49   |
|             | cfs | 953  | 950  | 950  | 965   | 2500 | 3003  | 2238 | 1251 | 802  | 800  | 834  | 800  |
| Stanislaus  | TAF | 12   | 12   | 27   | 25    | 9    | 9     | 9    | 9    | 39   | 12   | 12   | 13   |
|             | cfs | 214  | 200  | 460  | 400   | 150  | 150   | 150  | 150  | 635  | 200  | 200  | 219  |
| Feather     | TAF | 70   | 65   | 149  | 77    | 174  | 215   | 154  | 74   | 59   | 57   | 59   | 59   |
|             | cfs | 1261 | 1057 | 2500 | 1250  | 2925 | 3500  | 2500 | 1243 | 960  | 958  | 960  | 960  |

**Trinity Diversions (TAF)**

|                | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Carr PP        | 9   | 7   | 44  | 25  | 99  | 100 | 101 | 100 | 24  | 30  | 21  | 15  |
| Spring Crk. PP | 10  | 10  | 15  | 15  | 90  | 90  | 90  | 90  | 45  | 20  | 12  | 10  |

**Delta Summary (TAF)**

|                       | Feb  | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    | Jan    |
|-----------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Tracy                 | 118  | 45     | 48     | 88     | 95     | 160    | 145    | 172    | 215    | 161    | 186    | 190    |
| USBR Banks            | 0    | 0      | 0      | 0      | 0      | 2      | 2      | 2      | 0      | 0      | 0      | 0      |
| Contra Costa          | 10.5 | 10.5   | 9.5    | 9.5    | 9.5    | 7.4    | 8.3    | 9.5    | 10.5   | 12.6   | 13.8   | 13.7   |
| <b>Total USBR</b>     | 129  | 56     | 57     | 97     | 105    | 169    | 155    | 184    | 226    | 174    | 200    | 204    |
| State Export          | 228  | 62     | 40     | 90     | 114    | 31     | 36     | 30     | 55     | 108    | 167    | 190    |
| <b>Total Export</b>   | 357  | 118    | 97     | 188    | 219    | 200    | 191    | 214    | 281    | 282    | 367    | 394    |
| COA Balance           | 0    | -65    | -52    | -2     | 50     | 66     | 67     | 67     | 50     | 50     | 50     | 50     |
| Vernalis              | TAF  | 82     | 98     | 84     | 85     | 40     | 42     | 37     | 43     | 98     | 74     | 75     |
| Vernalis              | cfs  | 1475   | 1599   | 1418   | 1375   | 671    | 687    | 605    | 722    | 1595   | 1242   | 1225   |
| Old/Middle River Std. |      |        |        |        |        |        |        |        |        |        |        |        |
| Old/Middle R. calc.   |      | -4,870 | -1,342 | -1,207 | -2,323 | -3,116 | -2,790 | -2,714 | -3,029 | -3,386 | -3,676 | -4,633 |
| Computed DOI          |      | 7096   | 9744   | 9111   | 4002   | 4001   | 4002   | 2993   | 3009   | 2993   | 3496   | 3497   |
| Excess Outflow        |      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 130    |
| % Export/Inflow       |      | 49%    | 15%    | 12%    | 34%    | 33%    | 28%    | 30%    | 38%    | 49%    | 51%    | 62%    |
| % Export/Inflow std.  |      | 45%    | 35%    | 35%    | 35%    | 35%    | 65%    | 65%    | 65%    | 65%    | 65%    | 65%    |

**Hydrology**

| Water Year Inflow (TAF)   | Trinity | Shasta | Folsom | New Melones |
|---------------------------|---------|--------|--------|-------------|
| Year to Date + Forecasted | 410     | 2,935  | 1,168  | 469         |
| % of mean                 | 34%     | 53%    | 43%    | 44%         |

CVP actual operations do not follow any forecasted operation or outlook; actual operations are based on real-time conditions.  
 CVP operational forecasts or outlooks represent general system-wide dynamics and do not necessarily address specific watershed/tributary details.  
 CVP releases or export values represent monthly averages.  
 CVP Operations are updated monthly as new hydrology information is made available December through May.

**Estimated CVP Operations 50% Exceedance**

**Storages**

**Federal End of the Month Storage/Elevation (TAF/Feet)**

|              |       | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  | Jan  |      |
|--------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Trinity      |       | 1249 | 1306 | 1464 | 1598 | 1535 | 1413 | 1297 | 1148 | 997  | 961  | 942  | 953  | 973  |
|              | Elev. | 2286 | 2300 | 2311 | 2306 | 2296 | 2285 | 2271 | 2255 | 2251 | 2249 | 2250 | 2252 |      |
| Whiskeytown  |       | 206  | 206  | 206  | 238  | 238  | 238  | 238  | 238  | 206  | 206  | 206  | 206  |      |
|              | Elev. | 1199 | 1199 | 1209 | 1209 | 1209 | 1209 | 1209 | 1209 | 1199 | 1199 | 1199 | 1199 |      |
| Shasta       |       | 2129 | 2441 | 2806 | 3020 | 3116 | 2837 | 2496 | 2228 | 2160 | 2082 | 2070 | 2186 | 2383 |
|              | Elev. | 981  | 999  | 1009 | 1013 | 1000 | 984  | 970  | 966  | 962  | 961  | 968  | 978  |      |
| Folsom       |       | 290  | 429  | 630  | 749  | 789  | 736  | 609  | 547  | 478  | 405  | 356  | 325  | 360  |
|              | Elev. | 407  | 432  | 444  | 448  | 443  | 430  | 422  | 414  | 404  | 396  | 391  | 397  |      |
| New Melones  |       | 1555 | 1576 | 1605 | 1596 | 1566 | 1513 | 1434 | 1368 | 1330 | 1294 | 1306 | 1320 | 1333 |
|              | Elev. | 1011 | 1014 | 1013 | 1010 | 1004 | 996  | 988  | 984  | 980  | 981  | 983  | 985  |      |
| San Luis     |       | 266  | 406  | 397  | 318  | 178  | 79   | 46   | 57   | 147  | 268  | 467  | 630  | 777  |
|              | Elev. | 465  | 481  | 467  | 444  | 426  | 414  | 409  | 431  | 449  | 472  | 504  | 526  |      |
| <b>Total</b> |       | 6364 | 7108 | 7519 | 7422 | 6816 | 6120 | 5586 | 5350 | 5215 | 5346 | 5619 | 6031 |      |

**State End of the Month Reservoir Storage (TAF)**

|                             |       |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Oroville                    |       | 1239 | 1448 | 1703 | 1993 | 2062 | 1886 | 1686 | 1563 | 1433 | 1447 | 1509 | 1609 | 1763 |
|                             | Elev. | 724  | 753  | 782  | 788  | 772  | 751  | 738  | 723  | 724  | 732  | 743  | 759  |      |
| San Luis                    |       | 644  | 717  | 897  | 823  | 740  | 664  | 593  | 537  | 641  | 696  | 743  | 928  | 1043 |
| <b>Total San Luis (TAF)</b> |       | 910  | 1123 | 1294 | 1141 | 918  | 743  | 639  | 594  | 788  | 963  | 1209 | 1558 | 1820 |
|                             | Elev. | 465  | 481  | 467  | 444  | 426  | 414  | 409  | 431  | 449  | 472  | 504  | 526  |      |

**Monthly River Releases (TAF/cfs)**

|             |     |      |      |      |       |       |       |      |      |      |      |      |      |
|-------------|-----|------|------|------|-------|-------|-------|------|------|------|------|------|------|
| Trinity     | TAF | 17   | 18   | 36   | 180   | 47    | 28    | 53   | 52   | 23   | 18   | 18   | 18   |
|             | cfs | 300  | 300  | 600  | 2,924 | 788   | 450   | 857  | 870  | 373  | 300  | 300  | 300  |
| Clear Creek | TAF | 11   | 12   | 12   | 16    | 12    | 9     | 9    | 9    | 12   | 12   | 12   | 25   |
|             | cfs | 200  | 200  | 200  | 265   | 200   | 150   | 150  | 150  | 200  | 200  | 200  | 400  |
| Sacramento  | TAF | 180  | 200  | 268  | 338   | 595   | 615   | 523  | 327  | 338  | 274  | 215  | 200  |
|             | cfs | 3250 | 3250 | 4500 | 5500  | 10000 | 10000 | 8500 | 5500 | 5500 | 4600 | 3500 | 3250 |
| American    | TAF | 53   | 59   | 117  | 170   | 155   | 197   | 125  | 134  | 108  | 89   | 92   | 77   |
|             | cfs | 950  | 958  | 1972 | 2758  | 2600  | 3200  | 2041 | 2248 | 1754 | 1504 | 1500 | 1250 |
| Stanislaus  | TAF | 12   | 12   | 27   | 25    | 9     | 9     | 9    | 9    | 39   | 12   | 12   | 13   |
|             | cfs | 214  | 200  | 460  | 400   | 150   | 150   | 150  | 150  | 635  | 200  | 200  | 213  |
| Feather     | TAF | 69   | 65   | 80   | 52    | 161   | 203   | 160  | 190  | 74   | 57   | 59   | 77   |
|             | cfs | 1250 | 1050 | 1350 | 850   | 2700  | 3300  | 2600 | 3200 | 1200 | 950  | 960  | 1250 |

**Trinity Diversions (TAF)**

|                | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Carr PP        | 1   | 1   | 55  | 92  | 96  | 99  | 100 | 99  | 23  | 21  | 12  | 15  |
| Spring Crk. PP | 35  | 26  | 35  | 90  | 90  | 90  | 90  | 90  | 45  | 15  | 12  | 10  |

**Delta Summary (TAF)**

|                       | Feb  | Mar    | Apr    | May   | Jun  | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    | Jan    |        |
|-----------------------|------|--------|--------|-------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| Tracy                 | 210  | 87     | 48     | 49    | 170  | 262    | 255    | 259    | 250    | 256    | 200    | 185    |        |
| USBR Banks            | 0    | 0      | 0      | 0     | 0    | 15     | 15     | 15     | 0      | 0      | 0      | 0      |        |
| Contra Costa          | 14.0 | 12.7   | 12.7   | 12.7  | 9.8  | 11.1   | 12.7   | 14.0   | 16.8   | 18.4   | 18.3   | 14.0   |        |
| <b>Total USBR</b>     | 224  | 100    | 60     | 62    | 180  | 288    | 283    | 288    | 267    | 274    | 218    | 199    |        |
| State Export          | 150  | 291    | 18     | 25    | 30   | 29     | 34     | 170    | 100    | 74     | 200    | 185    |        |
| <b>Total Export</b>   | 374  | 391    | 78     | 86    | 210  | 317    | 317    | 458    | 367    | 348    | 418    | 384    |        |
| COA Balance           | 0    | 0      | -1     | -3    | 4    | 7      | 7      | 0      | 33     | 20     | 20     | 20     |        |
| Vernalis              | TAF  | 111    | 120    | 117   | 123  | 56     | 48     | 46     | 51     | 108    | 83     | 83     | 92     |
| Vernalis              | cfs  | 1997   | 1957   | 1960  | 2001 | 940    | 784    | 752    | 856    | 1758   | 1393   | 1355   | 1498   |
| Old/Middle River Std. |      |        |        |       |      |        |        |        |        |        |        |        |        |
| Old/Middle R. calc.   | cfs  | -4,878 | -4,603 | -719  | -773 | -2,882 | -4,209 | -4,219 | -6,133 | -4,393 | -4,472 | -5,220 | -4,726 |
| Computed DOI          |      | 9239   | 11403  | 10825 | 8492 | 7245   | 4002   | 2993   | 3009   | 4880   | 5043   | 6637   | 10753  |
| Excess Outflow        |      | 2143   | 0      | 0     | 0    | 0      | 0      | 0      | 0      | 0      | 0      | 3140   | 4750   |
| % Export/Inflow       |      | 42%    | 35%    | 8%    | 11%  | 25%    | 38%    | 42%    | 57%    | 46%    | 48%    | 49%    | 37%    |
| % Export/Inflow std.  |      | 45%    | 35%    | 35%   | 35%  | 35%    | 65%    | 65%    | 65%    | 65%    | 65%    | 65%    | 65%    |

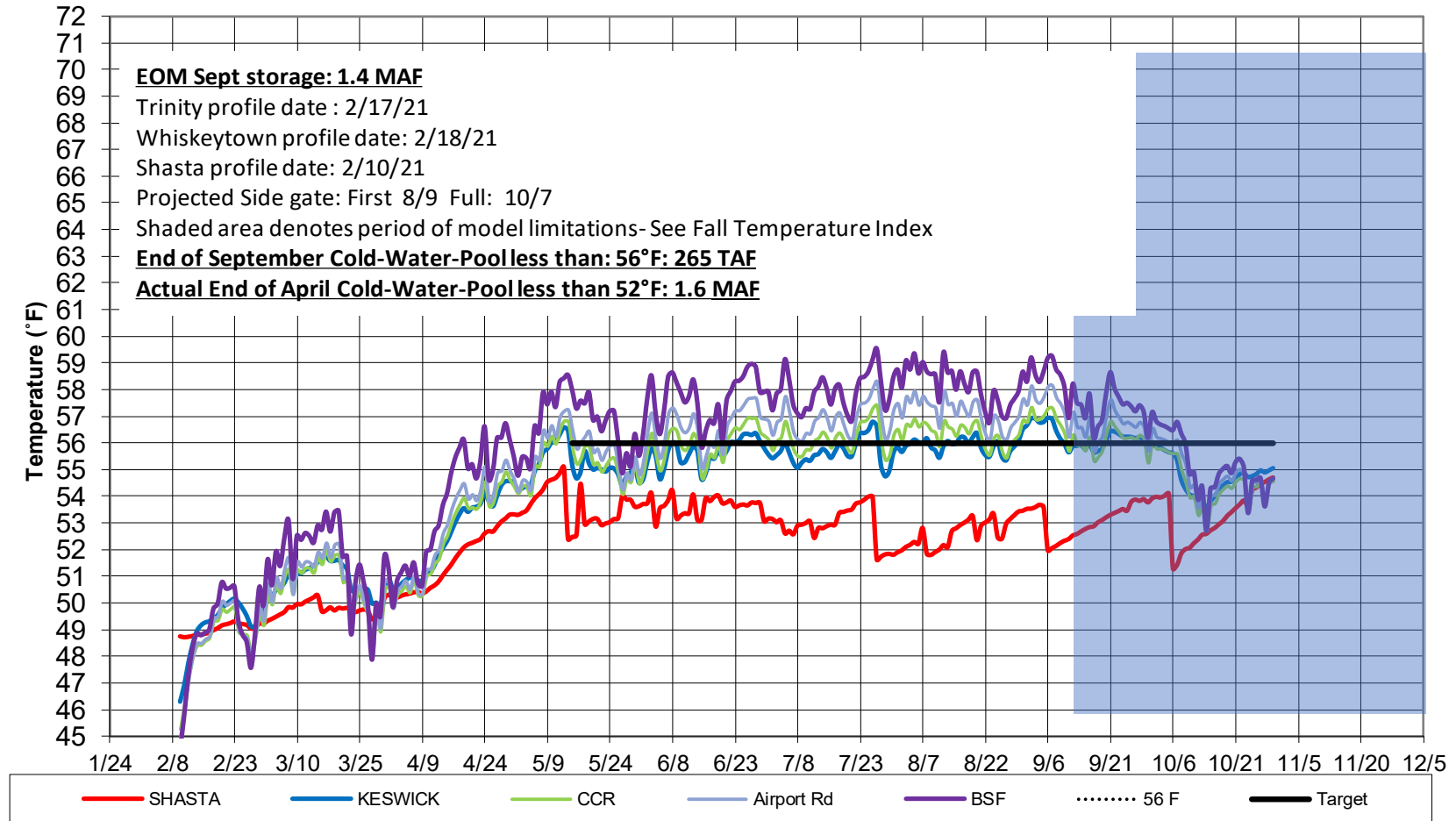
**Hydrology**

|                                     | Trinity | Shasta | Folsom | New Melones |
|-------------------------------------|---------|--------|--------|-------------|
| Water Year Inflow (TAF)             | 817.6   | 3,460  | 1,575  | 664         |
| Year to Date + Forecasted % of mean | 68%     | 62%    | 58%    | 63%         |

CVP actual operations do not follow any forecasted operation or outlook; actual operations are based on real-time conditions.  
 CVP operational forecasts or outlooks represent general system-wide dynamics and do not necessarily address specific watershed/tributary details.  
 CVP releases or export values represent monthly averages.  
 CVP Operations are updated monthly as new hydrology information is made available December through May.

Upper Sacramento River Preliminary Temperature Analysis - February 25, 2021

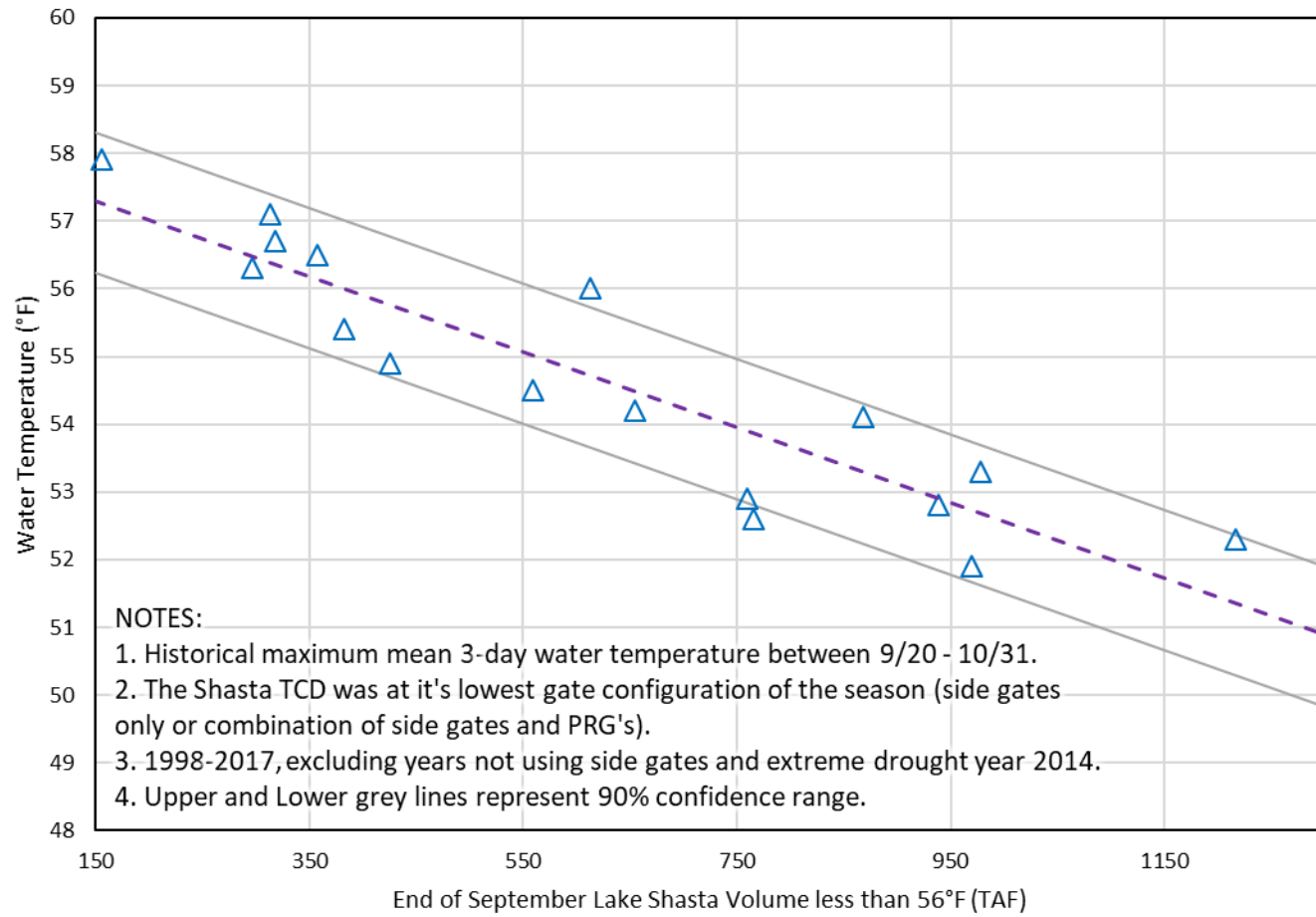
**Sacramento River Modeled Temperature  
2021 Feb 90%-Exceedance Water Outlook - 25% Historical Meteorology**



## **Model Performance and Fall Temperature Index:**

1. Based on past analyses, the temperature model does not perform well in late September and October. One factor is that the modeled release temperatures are cooler than has historically been achieved when all release is through the side gates (lowest gates), especially when there's a large temperature gradient between the pressure relief gates (PRG) and the side gates.
2. Based on historical records, the end-of-September Lake Shasta volume below 56°F is a good indicator of fall water temperature in the river reaches.
3. Based on these records and estimates, the charts below illustrate a range of uncertainty in the expected river temperatures based on the end-of-September lake volume less than 56°F.

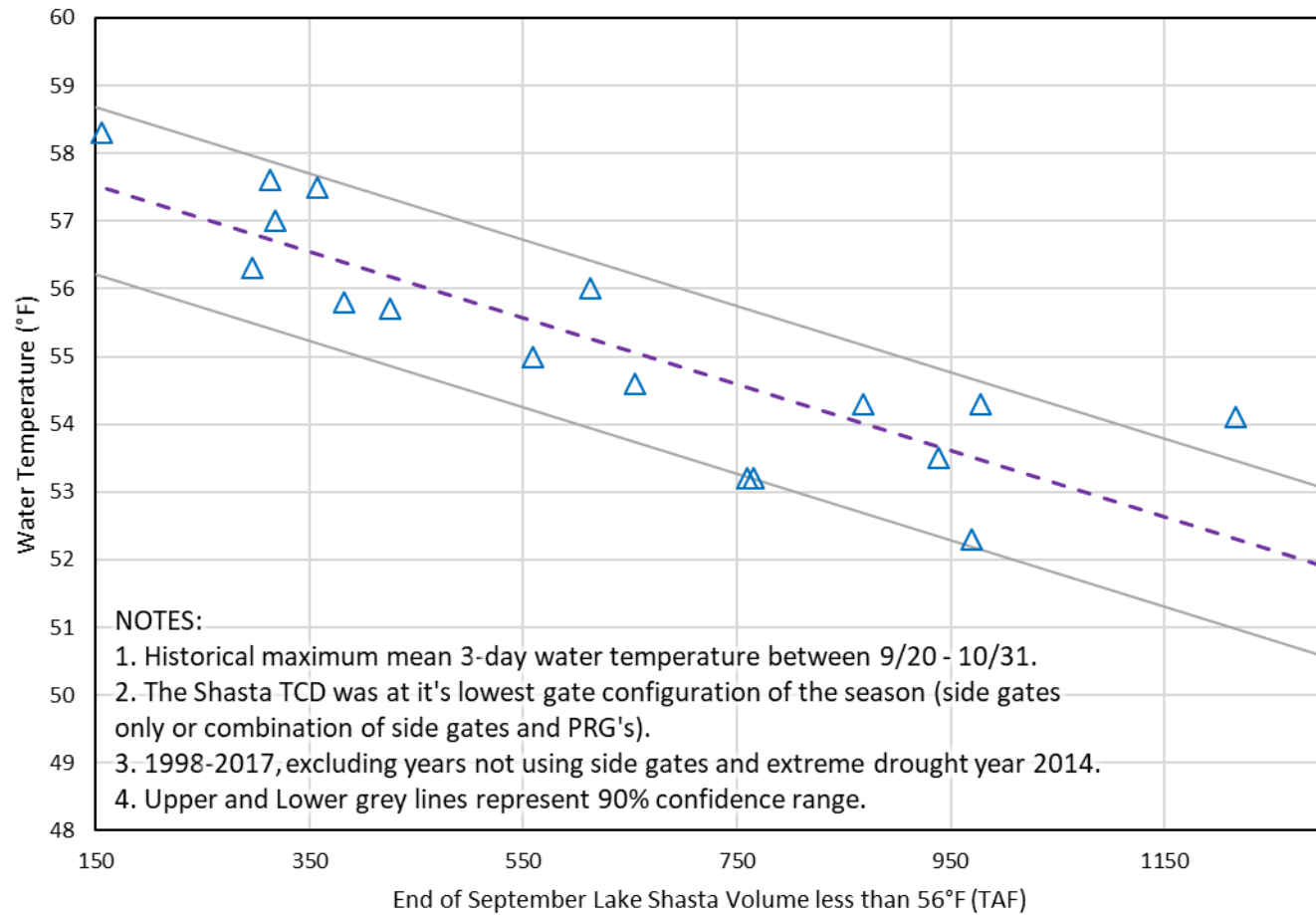
### Sacramento River - Lake Shasta Early Fall Water Temperature - Keswick (KWK)



Historical relationship between Lake Shasta cold-water-pool characteristics and early fall Keswick water temperature.

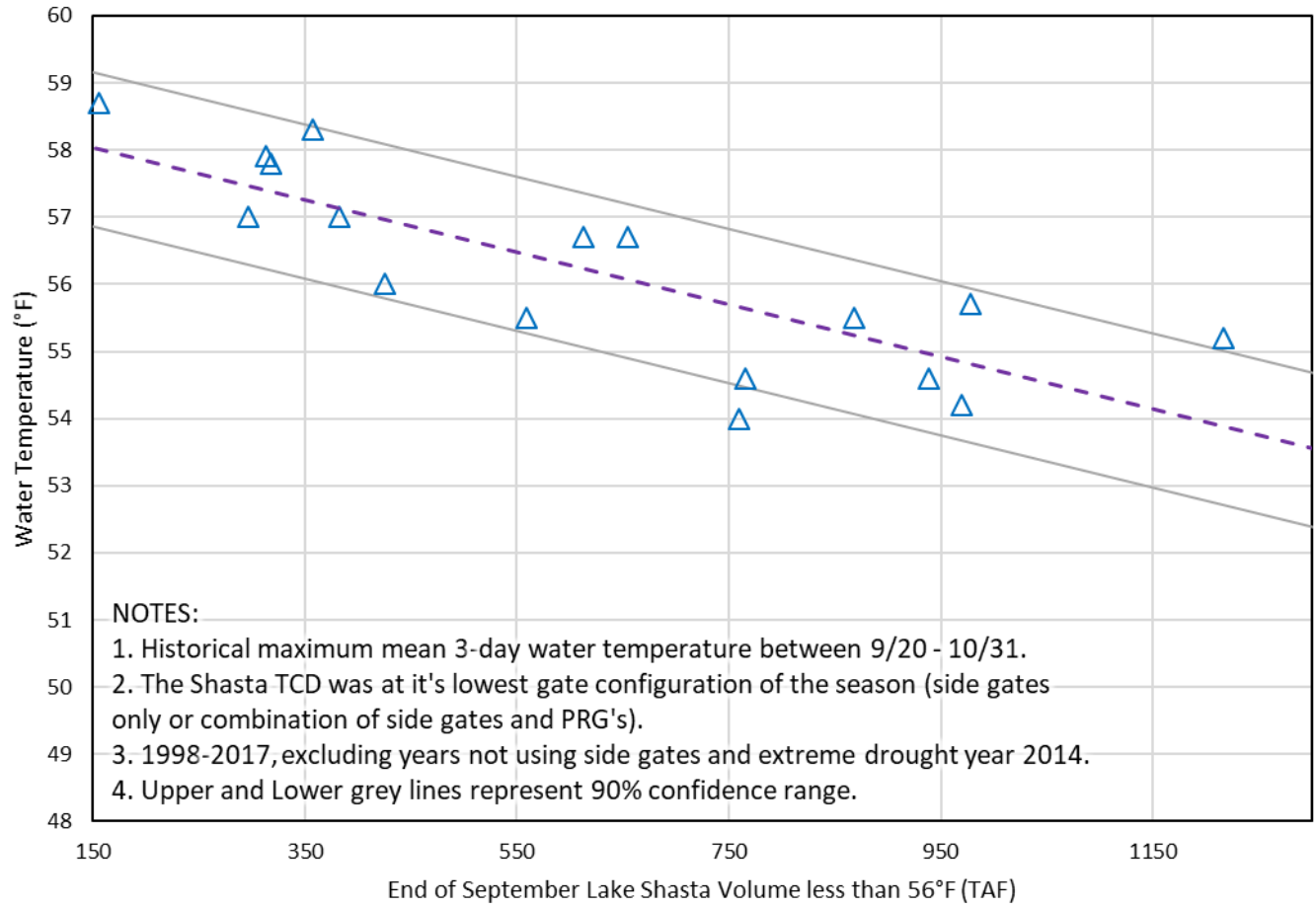


### Sacramento River - Lake Shasta Early Fall Water Temperature - Sac River above Clear Creek (CCR)



Historical relationship between Lake Shasta cold-water-pool characteristics and early fall Sacramento River above Clear Creek confluence water temperature.

### Sacramento River - Lake Shasta Early Fall Water Temperature - Balls Ferry (BSF)



Historical relationship between Lake Shasta cold-water-pool characteristics and early fall Balls Ferry water temperature.