

# Tuolumne River Technical Advisory Committee

## Don Pedro Project – FERC License 2299

Modesto Irrigation District  
Turlock Irrigation District  
City & County of San Francisco  
California Department of Fish & Wildlife  
U.S. Fish & Wildlife Service

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### TECHNICAL ADVISORY COMMITTEE MEETING

SEPTEMBER 12, 2024 AT 9:00 AM

VIA ZOOM

#### *SUMMARY*

1. INTRODUCTION AND ANNOUNCEMENTS

- Participants made self-introductions, a list of attendees follows.
- Chris Guptil announced that on September 14<sup>th</sup> and 21<sup>st</sup> there will be river clean ups on the banks and October 12<sup>th</sup> in river clean up, flyers will be distributed to the group.

2. ADMINISTRATIVE ITEMS:

- JD Wikert inquired if there is interest to have the meeting in person on a biannual basis.
- Peter Drekmeier asked the state water board if timeline for the scientific basis report for the Tuolumne River VA, it has not been made public. Phase II document is expected to come in the future.
- Peter Drekmeier asked Michael Cooke if there were any updates on the NOI and Draft Study Plan for certification, Michael stated responses should come out in the next couple of weeks.

3. MONITORING REPORTS:

- Pat Maloney advised that salmonids were observed as far down stream as just below the Hickman Bridge in Waterford, which include Chinook Salmon and *O. mykiss* in the five inch range. A higher number of trout were observed in the river this year than years past from La Grange to Waterford. Hobo temperature readings were downloaded successfully and 26 Hobo's were replaced.
- Jason Guignard advised that the weir was installed this week and started sampling yesterday. Expect to start Redd surveys on October 1<sup>st</sup>. *O. mykiss* census from La Grange to Hickman Bridge were conducted July 15-25, 2024.
- Pat Maloney noted that the Tuolumne River spring pulse ramp down seemed to increase cotton wood germination and that juvenile cottonwood were observed in various locations.

4. FLOW OPERATIONS:

- Pat Maloney shared the Final Basin Index, the Annual Fish Flow Volume and the Fall Flow Schedule. Discussion followed.
- Fall pulse is planned to be scheduled for October 16<sup>th</sup> and will end October 24<sup>th</sup>
- October 18<sup>th</sup> TID will conduct flow test of the Sluice Channel and La Grange Powerhouse.

5. AGENCY/NGO UPDATES:

- Peter Drekmeier stated a study was conducted on the Upper Tuolumne about three years ago in regard to cottonwoods which found there were not many present. This was part of the Upper Tuolumne River Eco Program and meeting will take place October 24<sup>th</sup> 2024. Agency has petitioned the State water Board through section 1707 to dedicate water rights at Dos Rios to instream flow and awaiting a hearing.

6. ADDITIONAL ITEMS:

- Sara Sacks provided an update on Restoration Project noting it's a slow process and having a bit of difficulty with turbidity levels in the river. Second wash plant is scheduled to come in to wash the gravel with hopes to finish in the summer.
- Pat Maloney stated that in river work on the Sluice Gate Channel Project is nearly complete. Regarding the Up Stream of Old La Grange Bridge Channel Restoration Project; the upper most riffle was completed yesterday and we hope to complete 90% of gravel placement by tomorrow with a project completion date of September 30<sup>th</sup>.

7. NEXT MEETING DATE: MARCH 13, 2025

**TRTAC Meeting Attendees**

|     | <b><u>Name</u></b> | <b><u>Organization</u></b> |
|-----|--------------------|----------------------------|
| 1.  | Patrick Maloney    | TID                        |
| 2.  | Michael Cooke      | TID                        |
| 3.  | Roger Masuda       | TID                        |
| 4.  | Bernard Aguilar    | CDFW                       |
| 5.  | Megan Rooney       | CDFW                       |
| 6.  | Peter Drekmeier    | TRT                        |
| 7.  | Sara Sacks         | TRT                        |
| 8.  | J. D. Wikert       | USFWS                      |
| 9.  | Luke Crawford      | MID                        |
| 10. | Jose McEra         | MID                        |
| 11. | Chris Guptill      | 9 to 99                    |
| 12. | Chris Carr         | State Water Board          |
| 13. | Stephen Louie      | State Water Board          |
| 14. | Fred Meyer         | Applied River Sciences     |
| 15. | Noah Hume          | Stillwater Sciences        |
| 16. | Jason Guignard     | FishBio                    |
| 17. | Stephanie Millsap  | USFWS                      |
| 18. | Lauren Estenson    | USFWS                      |

19. Roth Goodfield
20. Chris Diviney
21. Suzanne De Leon
22. Benjamin Cook

**Table 3**  
**Tuolumne River Flow Schedule**  
 Based on DWR Values, 60-20-20 Index for 2024, Hydrologic Conditions  
 Schedule For 2024-2025 Fish Flow Year

| DATE        |     | Number of DAYS | BASE FLOW <sup>1</sup> |    |             | PULSE FLOW <sup>2</sup> |        |             | INTERPOLATION FLOW |        |             | Other Adjusted Flow |    |             | TOTAL FEREC FLOW |             |
|-------------|-----|----------------|------------------------|----|-------------|-------------------------|--------|-------------|--------------------|--------|-------------|---------------------|----|-------------|------------------|-------------|
| From:       | To: |                | CFS                    | AF | ACCUM. A.F. | CFS                     | AF     | ACCUM. A.F. | CFS                | AF     | ACCUM. A.F. | CFS                 | AF | ACCUM. A.F. | CFS              | ACCUM. A.F. |
| 15-Apr-2024 | Mon | 15-Apr-2024    | Mon                    | 1  | 300         | 595                     | 595    | 0           | 0                  | 0      | 0           | 0                   | 0  | 0           | 300              | 595         |
| 16-Apr-2024 | Tue | 16-Apr-2024    | Tue                    | 1  | 300         | 595                     | 1,190  | 300         | 595                | 595    | 0           | 0                   | 0  | 0           | 600              | 1,785       |
| 17-Apr-2024 | Wed | 17-Apr-2024    | Wed                    | 1  | 300         | 595                     | 1,785  | 600         | 1,190              | 1,785  | 0           | 0                   | 0  | 0           | 900              | 3,570       |
| 18-Apr-2024 | Thu | 18-Apr-2024    | Thu                    | 1  | 300         | 595                     | 2,380  | 900         | 1,785              | 3,570  | 0           | 0                   | 0  | 0           | 1,200            | 5,950       |
| 19-Apr-2024 | Fri | 19-Apr-2024    | Fri                    | 1  | 300         | 595                     | 2,975  | 1,200       | 2,380              | 5,950  | 0           | 0                   | 0  | 0           | 1,500            | 8,926       |
| 20-Apr-2024 | Sat | 20-Apr-2024    | Sat                    | 1  | 300         | 595                     | 3,570  | 1,500       | 2,975              | 8,926  | 0           | 0                   | 0  | 0           | 1,800            | 12,496      |
| 21-Apr-2024 | Sun | 21-Apr-2024    | Sun                    | 1  | 300         | 595                     | 4,165  | 1,800       | 3,570              | 12,496 | 0           | 0                   | 0  | 0           | 2,100            | 16,661      |
| 22-Apr-2024 | Mon | 22-Apr-2024    | Mon                    | 1  | 300         | 595                     | 4,760  | 2,100       | 4,165              | 16,661 | 0           | 0                   | 0  | 0           | 2,400            | 21,421      |
| 23-Apr-2024 | Tue | 23-Apr-2024    | Tue                    | 1  | 300         | 595                     | 5,355  | 2,400       | 4,760              | 21,421 | 0           | 0                   | 0  | 0           | 2,700            | 26,777      |
| 24-Apr-2024 | Wed | 24-Apr-2024    | Wed                    | 1  | 300         | 595                     | 5,950  | 2,700       | 5,355              | 26,777 | 0           | 0                   | 0  | 0           | 3,000            | 32,727      |
| 25-Apr-2024 | Thu | 25-Apr-2024    | Thu                    | 1  | 300         | 595                     | 6,545  | 3,000       | 5,950              | 32,727 | 0           | 0                   | 0  | 0           | 3,300            | 39,273      |
| 26-Apr-2024 | Fri | 26-Apr-2024    | Fri                    | 1  | 300         | 595                     | 7,140  | 3,000       | 5,950              | 38,678 | 0           | 0                   | 0  | 0           | 3,300            | 45,818      |
| 27-Apr-2024 | Sat | 27-Apr-2024    | Sat                    | 1  | 300         | 595                     | 7,736  | 3,000       | 5,950              | 44,628 | 0           | 0                   | 0  | 0           | 3,300            | 52,364      |
| 28-Apr-2024 | Sun | 28-Apr-2024    | Sun                    | 1  | 300         | 595                     | 8,331  | 2,490       | 4,939              | 49,567 | 0           | 0                   | 0  | 0           | 2,790            | 57,898      |
| 29-Apr-2024 | Mon | 29-Apr-2024    | Mon                    | 1  | 300         | 595                     | 8,926  | 2,070       | 4,106              | 53,673 | 0           | 0                   | 0  | 0           | 2,370            | 62,598      |
| 30-Apr-2024 | Tue | 30-Apr-2024    | Tue                    | 1  | 300         | 595                     | 9,521  | 1,690       | 3,352              | 57,025 | 0           | 0                   | 0  | 0           | 1,990            | 66,545      |
| 01-May-2024 | Wed | 01-May-2024    | Wed                    | 1  | 300         | 595                     | 10,116 | 1,350       | 2,678              | 59,702 | 0           | 0                   | 0  | 0           | 1,650            | 69,818      |
| 02-May-2024 | Thu | 02-May-2024    | Thu                    | 1  | 300         | 595                     | 10,711 | 1,050       | 2,083              | 61,785 | 0           | 0                   | 0  | 0           | 1,350            | 72,496      |
| 03-May-2024 | Fri | 03-May-2024    | Fri                    | 1  | 300         | 595                     | 11,306 | 750         | 1,488              | 63,273 | 0           | 0                   | 0  | 0           | 1,050            | 74,579      |
| 04-May-2024 | Sat | 04-May-2024    | Sat                    | 1  | 300         | 595                     | 11,901 | 490         | 972                | 64,245 | 0           | 0                   | 0  | 0           | 790              | 76,145      |
| 05-May-2024 | Sun | 05-May-2024    | Sun                    | 1  | 300         | 595                     | 12,496 | 790         | 1,567              | 65,812 | 0           | 0                   | 0  | 0           | 1,090            | 78,307      |
| 06-May-2024 | Mon | 06-May-2024    | Mon                    | 1  | 300         | 595                     | 13,091 | 1,090       | 2,162              | 67,974 | 0           | 0                   | 0  | 0           | 1,390            | 81,064      |
| 07-May-2024 | Tue | 07-May-2024    | Tue                    | 1  | 300         | 595                     | 13,686 | 1,390       | 2,757              | 70,731 | 0           | 0                   | 0  | 0           | 1,690            | 84,417      |
| 08-May-2024 | Wed | 08-May-2024    | Wed                    | 1  | 300         | 595                     | 14,281 | 1,690       | 3,352              | 74,083 | 0           | 0                   | 0  | 0           | 1,990            | 88,364      |
| 09-May-2024 | Thu | 09-May-2024    | Thu                    | 1  | 300         | 595                     | 14,876 | 1,690       | 3,352              | 77,435 | 0           | 0                   | 0  | 0           | 1,990            | 92,311      |
| 10-May-2024 | Fri | 10-May-2024    | Fri                    | 1  | 300         | 595                     | 15,471 | 1,350       | 2,678              | 80,112 | 0           | 0                   | 0  | 0           | 1,650            | 95,583      |
| 11-May-2024 | Sat | 11-May-2024    | Sat                    | 1  | 300         | 595                     | 16,066 | 1,010       | 2,003              | 82,116 | 0           | 0                   | 0  | 0           | 1,310            | 98,182      |
| 12-May-2024 | Sun | 12-May-2024    | Sun                    | 1  | 300         | 595                     | 16,661 | 710         | 1,408              | 83,524 | 0           | 0                   | 0  | 0           | 1,010            | 100,185     |
| 13-May-2024 | Mon | 13-May-2024    | Mon                    | 1  | 300         | 595                     | 17,256 | 490         | 972                | 84,496 | 0           | 0                   | 0  | 0           | 790              | 101,752     |
| 14-May-2024 | Tue | 14-May-2024    | Tue                    | 1  | 300         | 595                     | 17,851 | 310         | 615                | 85,111 | 0           | 0                   | 0  | 0           | 610              | 102,962     |
| 15-May-2024 | Wed | 15-May-2024    | Wed                    | 1  | 300         | 595                     | 18,446 | 170         | 337                | 85,448 | 0           | 0                   | 0  | 0           | 470              | 103,894     |
| 16-May-2024 | Thu | 16-May-2024    | Thu                    | 1  | 300         | 595                     | 19,041 | 40          | 79                 | 85,527 | 0           | 0                   | 0  | 0           | 340              | 104,569     |
| 17-May-2024 | Fri | 17-May-2024    | Fri                    | 1  | 300         | 595                     | 19,636 | 300         | 595                | 86,122 | 0           | 0                   | 0  | 0           | 600              | 105,759     |
| 18-May-2024 | Sat | 18-May-2024    | Sat                    | 1  | 300         | 595                     | 20,231 | 600         | 1,190              | 87,312 | 0           | 0                   | 0  | 0           | 900              | 107,544     |
| 19-May-2024 | Sun | 19-May-2024    | Sun                    | 1  | 300         | 595                     | 20,826 | 600         | 1,190              | 88,502 | 0           | 0                   | 0  | 0           | 900              | 109,329     |
| 20-May-2024 | Mon | 20-May-2024    | Mon                    | 1  | 300         | 595                     | 21,421 | 380         | 754                | 89,256 | 0           | 0                   | 0  | 0           | 680              | 110,678     |
| 21-May-2024 | Tue | 21-May-2024    | Tue                    | 1  | 300         | 595                     | 22,017 | 240         | 476                | 89,732 | 0           | 0                   | 0  | 0           | 540              | 111,749     |
| 22-May-2024 | Wed | 22-May-2024    | Wed                    | 1  | 220         | 595                     | 22,612 | 50          | 99                 | 89,831 | 0           | 0                   | 0  | 0           | 350              | 112,443     |
| 23-May-2024 | Thu | 23-May-2024    | Thu                    | 1  | 300         | 595                     | 23,207 | 26          | 51                 | 89,882 | 0           | 0                   | 0  | 0           | 326              | 113,089     |
| 24-May-2024 | Fri | 24-May-2024    | Fri                    | 1  | 300         | 595                     | 23,802 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 113,684     |
| 25-May-2024 | Sat | 25-May-2024    | Sat                    | 1  | 300         | 595                     | 24,397 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 114,279     |
| 26-May-2024 | Sun | 26-May-2024    | Sun                    | 1  | 300         | 595                     | 24,992 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 114,874     |
| 27-May-2024 | Mon | 27-May-2024    | Mon                    | 1  | 300         | 595                     | 25,587 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 115,469     |
| 28-May-2024 | Tue | 28-May-2024    | Tue                    | 1  | 300         | 595                     | 26,182 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 116,064     |
| 29-May-2024 | Wed | 29-May-2024    | Wed                    | 1  | 300         | 595                     | 26,777 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 116,659     |
| 30-May-2024 | Thu | 30-May-2024    | Thu                    | 1  | 300         | 595                     | 27,372 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 117,254     |
| 31-May-2024 | Fri | 31-May-2024    | Fri                    | 1  | 300         | 595                     | 27,967 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 117,849     |
| 01-Jun-2024 | Sat | 01-Jun-2024    | Sat                    | 1  | 250         | 496                     | 28,463 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 118,345     |
| 02-Jun-2024 | Sun | 02-Jun-2024    | Sun                    | 1  | 250         | 496                     | 28,959 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 118,841     |
| 03-Jun-2024 | Mon | 03-Jun-2024    | Mon                    | 1  | 250         | 496                     | 29,455 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 119,337     |
| 04-Jun-2024 | Tue | 04-Jun-2024    | Tue                    | 1  | 250         | 496                     | 29,950 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 119,832     |
| 05-Jun-2024 | Wed | 05-Jun-2024    | Wed                    | 1  | 250         | 496                     | 30,446 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 120,328     |
| 06-Jun-2024 | Thu | 06-Jun-2024    | Thu                    | 1  | 250         | 496                     | 30,942 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 120,824     |
| 07-Jun-2024 | Fri | 07-Jun-2024    | Fri                    | 1  | 250         | 496                     | 31,438 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 121,320     |
| 08-Jun-2024 | Sat | 30-Jun-2024    | Sun                    | 23 | 250         | 11,405                  | 42,843 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 132,725     |
| 01-Jul-2024 | Mon | 31-Jul-2024    | Wed                    | 31 | 250         | 15,372                  | 58,215 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 148,097     |
| 01-Aug-2024 | Thu | 31-Aug-2024    | Sat                    | 31 | 250         | 15,372                  | 73,587 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 163,469     |
| 01-Sep-2024 | Sun | 30-Sep-2024    | Mon                    | 30 | 250         | 14,876                  | 88,463 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 250              | 178,345     |
| 01-Oct-2024 | Tue | 01-Oct-2024    | Tue                    | 1  | 250         | 595                     | 89,058 | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 300              | 178,940     |

**Table 3**  
**Tuolumne River Flow Schedule**  
 Based on DWR Values, 60-20-20 Index for 2024, Hydrologic Conditions  
 Schedule For 2024-2025 Fish Flow Year

| DATE        |     | Number of DAYS | BASE FLOW <sup>1</sup> |    |             | PULSE FLOW <sup>2</sup> |         |             | INTERPOLATION FLOW |        |             | Other Adjusted Flow |    |             | TOTAL FERC FLOW |             |       |         |
|-------------|-----|----------------|------------------------|----|-------------|-------------------------|---------|-------------|--------------------|--------|-------------|---------------------|----|-------------|-----------------|-------------|-------|---------|
| From:       | To: |                | CFS                    | AF | ACCUM. A.F. | CFS                     | AF      | ACCUM. A.F. | CFS                | AF     | ACCUM. A.F. | CFS                 | AF | ACCUM. A.F. | CFS             | ACCUM. A.F. |       |         |
| 02-Oct-2024 | Wed | 02-Oct-2024    | Wed                    | 1  | 300         | 595                     | 89,653  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 179,535 |
| 03-Oct-2024 | Thu | 03-Oct-2024    | Thu                    | 1  | 300         | 595                     | 90,248  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 180,130 |
| 04-Oct-2024 | Fri | 04-Oct-2024    | Fri                    | 1  | 300         | 595                     | 90,843  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 180,725 |
| 05-Oct-2024 | Sat | 05-Oct-2024    | Sat                    | 1  | 300         | 595                     | 91,438  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 181,320 |
| 06-Oct-2024 | Sun | 06-Oct-2024    | Sun                    | 1  | 300         | 595                     | 92,033  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 181,915 |
| 07-Oct-2024 | Mon | 07-Oct-2024    | Mon                    | 1  | 300         | 595                     | 92,628  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 182,510 |
| 08-Oct-2024 | Tue | 08-Oct-2024    | Tue                    | 1  | 300         | 595                     | 93,223  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 183,105 |
| 09-Oct-2024 | Wed | 09-Oct-2024    | Wed                    | 1  | 300         | 595                     | 93,818  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 183,700 |
| 10-Oct-2024 | Thu | 10-Oct-2024    | Thu                    | 1  | 300         | 595                     | 94,413  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 184,295 |
| 11-Oct-2024 | Fri | 11-Oct-2024    | Fri                    | 1  | 300         | 595                     | 95,008  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 184,890 |
| 12-Oct-2024 | Sat | 12-Oct-2024    | Sat                    | 1  | 300         | 595                     | 95,603  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 185,485 |
| 13-Oct-2024 | Sun | 13-Oct-2024    | Sun                    | 1  | 300         | 595                     | 96,198  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 186,080 |
| 14-Oct-2024 | Mon | 14-Oct-2024    | Mon                    | 1  | 300         | 595                     | 96,793  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 186,675 |
| 15-Oct-2024 | Tue | 15-Oct-2024    | Tue                    | 1  | 300         | 595                     | 97,388  | 0           | 0                  | 89,882 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 187,270 |
| 16-Oct-2024 | Wed | 16-Oct-2024    | Wed                    | 1  | 300         | 595                     | 97,983  | 375         | 744                | 90,626 | 0           | 0                   | 0  | 0           | 0               | 0           | 675   | 188,609 |
| 17-Oct-2024 | Thu | 17-Oct-2024    | Thu                    | 1  | 300         | 595                     | 98,579  | 700         | 1,388              | 92,014 | 0           | 0                   | 0  | 0           | 0               | 0           | 1,000 | 190,593 |
| 18-Oct-2024 | Fri | 18-Oct-2024    | Fri                    | 1  | 300         | 595                     | 99,174  | 325         | 645                | 92,659 | 0           | 0                   | 0  | 0           | 0               | 0           | 625   | 191,832 |
| 19-Oct-2024 | Sat | 19-Oct-2024    | Sat                    | 1  | 300         | 595                     | 99,769  | 0           | 0                  | 92,659 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 192,427 |
| 20-Oct-2024 | Sun | 20-Oct-2024    | Sun                    | 1  | 300         | 595                     | 100,364 | 0           | 0                  | 92,659 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 193,022 |
| 21-Oct-2024 | Mon | 21-Oct-2024    | Mon                    | 1  | 300         | 595                     | 100,959 | 0           | 0                  | 92,659 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 193,618 |
| 22-Oct-2024 | Tue | 22-Oct-2024    | Tue                    | 1  | 300         | 595                     | 101,554 | 450         | 893                | 93,551 | 0           | 0                   | 0  | 0           | 0               | 0           | 750   | 195,105 |
| 23-Oct-2024 | Wed | 23-Oct-2024    | Wed                    | 1  | 300         | 595                     | 102,149 | 800         | 1,587              | 95,138 | 0           | 0                   | 0  | 0           | 0               | 0           | 1,100 | 197,287 |
| 24-Oct-2024 | Thu | 24-Oct-2024    | Thu                    | 1  | 300         | 595                     | 102,744 | 350         | 694                | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 650   | 198,576 |
| 25-Oct-2024 | Fri | 25-Oct-2024    | Fri                    | 1  | 300         | 595                     | 103,339 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 199,171 |
| 26-Oct-2024 | Sat | 26-Oct-2024    | Sat                    | 1  | 300         | 595                     | 103,934 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 199,766 |
| 27-Oct-2024 | Sun | 27-Oct-2024    | Sun                    | 1  | 300         | 595                     | 104,529 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 200,361 |
| 28-Oct-2024 | Mon | 28-Oct-2024    | Mon                    | 1  | 300         | 595                     | 105,124 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 200,956 |
| 29-Oct-2024 | Tue | 29-Oct-2024    | Tue                    | 1  | 300         | 595                     | 105,719 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 201,551 |
| 30-Oct-2024 | Wed | 30-Oct-2024    | Wed                    | 1  | 300         | 595                     | 106,314 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 202,146 |
| 31-Oct-2024 | Thu | 31-Oct-2024    | Thu                    | 1  | 300         | 595                     | 106,909 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 202,741 |
| 01-Nov-2024 | Fri | 01-Nov-2024    | Fri                    | 1  | 300         | 595                     | 107,504 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 203,337 |
| 02-Nov-2024 | Sat | 02-Nov-2024    | Sat                    | 1  | 300         | 595                     | 108,099 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 203,932 |
| 03-Nov-2024 | Sun | 03-Nov-2024    | Sun                    | 1  | 300         | 595                     | 108,694 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 204,527 |
| 04-Nov-2024 | Mon | 04-Nov-2024    | Mon                    | 1  | 300         | 595                     | 109,289 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 205,122 |
| 05-Nov-2024 | Tue | 05-Nov-2024    | Tue                    | 1  | 300         | 595                     | 109,884 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 205,717 |
| 06-Nov-2024 | Wed | 06-Nov-2024    | Wed                    | 1  | 300         | 595                     | 110,479 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 206,312 |
| 07-Nov-2024 | Thu | 07-Nov-2024    | Thu                    | 1  | 300         | 595                     | 111,074 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 206,907 |
| 08-Nov-2024 | Fri | 08-Nov-2024    | Fri                    | 1  | 300         | 595                     | 111,669 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 207,502 |
| 09-Nov-2024 | Sat | 09-Nov-2024    | Sat                    | 1  | 300         | 595                     | 112,264 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 208,097 |
| 10-Nov-2024 | Sun | 10-Nov-2024    | Sun                    | 1  | 300         | 595                     | 112,859 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 208,692 |
| 11-Nov-2024 | Mon | 11-Nov-2024    | Mon                    | 1  | 300         | 595                     | 113,455 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 209,287 |
| 12-Nov-2024 | Tue | 12-Nov-2024    | Tue                    | 1  | 300         | 595                     | 114,050 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 209,882 |
| 13-Nov-2024 | Wed | 13-Nov-2024    | Wed                    | 1  | 300         | 595                     | 114,645 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 210,477 |
| 14-Nov-2024 | Thu | 14-Nov-2024    | Thu                    | 1  | 300         | 595                     | 115,240 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 211,072 |
| 15-Nov-2024 | Fri | 15-Nov-2024    | Fri                    | 1  | 300         | 595                     | 115,835 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 211,667 |
| 16-Nov-2024 | Sat | 16-Nov-2024    | Sat                    | 1  | 300         | 595                     | 116,430 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 212,262 |
| 17-Nov-2024 | Sun | 17-Nov-2024    | Sun                    | 1  | 300         | 595                     | 117,025 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 212,857 |
| 18-Nov-2024 | Mon | 18-Nov-2024    | Mon                    | 1  | 300         | 595                     | 117,620 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 213,452 |
| 19-Nov-2024 | Tue | 19-Nov-2024    | Tue                    | 1  | 300         | 595                     | 118,215 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 214,047 |
| 20-Nov-2024 | Wed | 20-Nov-2024    | Wed                    | 1  | 300         | 595                     | 118,810 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 214,642 |
| 21-Nov-2024 | Thu | 21-Nov-2024    | Thu                    | 1  | 300         | 595                     | 119,405 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 215,237 |
| 22-Nov-2024 | Fri | 22-Nov-2024    | Fri                    | 1  | 300         | 595                     | 120,000 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 215,832 |
| 23-Nov-2024 | Sat | 23-Nov-2024    | Sat                    | 1  | 300         | 595                     | 120,595 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 216,427 |
| 24-Nov-2024 | Sun | 24-Nov-2024    | Sun                    | 1  | 300         | 595                     | 121,190 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 217,022 |
| 25-Nov-2024 | Mon | 25-Nov-2024    | Mon                    | 1  | 300         | 595                     | 121,785 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 217,618 |
| 26-Nov-2024 | Tue | 26-Nov-2024    | Tue                    | 1  | 300         | 595                     | 122,380 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 218,213 |
| 27-Nov-2024 | Wed | 27-Nov-2024    | Wed                    | 1  | 300         | 595                     | 122,975 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 218,808 |
| 28-Nov-2024 | Thu | 28-Nov-2024    | Thu                    | 1  | 300         | 595                     | 123,570 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 219,403 |
| 29-Nov-2024 | Fri | 29-Nov-2024    | Fri                    | 1  | 300         | 595                     | 124,165 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300   | 219,998 |

**Table 3**  
**Tuolumne River Flow Schedule**  
 Based on DWR Values, 60-20-20 Index for 2024, Hydrologic Conditions  
 Schedule For 2024-2025 Fish Flow Year

| DATE        |     | Number of DAYS | BASE FLOW <sup>1</sup> |    |             | PULSE FLOW <sup>2</sup> |         |             | INTERPOLATION FLOW |        |             | Other Adjusted Flow |    |             | TOTAL FERC FLOW |             |     |         |
|-------------|-----|----------------|------------------------|----|-------------|-------------------------|---------|-------------|--------------------|--------|-------------|---------------------|----|-------------|-----------------|-------------|-----|---------|
| From:       | To: |                | CFS                    | AF | ACCUM. A.F. | CFS                     | AF      | ACCUM. A.F. | CFS                | AF     | ACCUM. A.F. | CFS                 | AF | ACCUM. A.F. | CFS             | ACCUM. A.F. |     |         |
| 30-Nov-2024 | Sat | 30-Nov-2024    | Sat                    | 1  | 300         | 595                     | 124,760 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 220,593 |
| 01-Dec-2024 | Sun | 01-Dec-2024    | Sun                    | 1  | 300         | 595                     | 125,355 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 221,188 |
| 02-Dec-2024 | Mon | 02-Dec-2024    | Mon                    | 1  | 300         | 595                     | 125,950 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 221,783 |
| 03-Dec-2024 | Tue | 03-Dec-2024    | Tue                    | 1  | 300         | 595                     | 126,545 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 222,378 |
| 04-Dec-2024 | Wed | 04-Dec-2024    | Wed                    | 1  | 300         | 595                     | 127,140 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 222,973 |
| 05-Dec-2024 | Thu | 05-Dec-2024    | Thu                    | 1  | 300         | 595                     | 127,736 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 223,568 |
| 06-Dec-2024 | Fri | 06-Dec-2024    | Fri                    | 1  | 300         | 595                     | 128,331 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 224,163 |
| 07-Dec-2024 | Sat | 07-Dec-2024    | Sat                    | 1  | 300         | 595                     | 128,926 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 224,758 |
| 08-Dec-2024 | Sun | 08-Dec-2024    | Sun                    | 1  | 300         | 595                     | 129,521 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 225,353 |
| 09-Dec-2024 | Mon | 09-Dec-2024    | Mon                    | 1  | 300         | 595                     | 130,116 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 225,948 |
| 10-Dec-2024 | Tue | 10-Dec-2024    | Tue                    | 1  | 300         | 595                     | 130,711 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 226,543 |
| 11-Dec-2024 | Wed | 11-Dec-2024    | Wed                    | 1  | 300         | 595                     | 131,306 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 227,138 |
| 12-Dec-2024 | Thu | 12-Dec-2024    | Thu                    | 1  | 300         | 595                     | 131,901 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 227,733 |
| 13-Dec-2024 | Fri | 13-Dec-2024    | Fri                    | 1  | 300         | 595                     | 132,496 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 228,328 |
| 14-Dec-2024 | Sat | 14-Dec-2024    | Sat                    | 1  | 300         | 595                     | 133,091 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 228,923 |
| 15-Dec-2024 | Sun | 15-Dec-2024    | Sun                    | 1  | 300         | 595                     | 133,686 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 229,518 |
| 16-Dec-2024 | Mon | 16-Dec-2024    | Mon                    | 1  | 300         | 595                     | 134,281 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 230,113 |
| 17-Dec-2024 | Tue | 17-Dec-2024    | Tue                    | 1  | 300         | 595                     | 134,876 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 230,708 |
| 18-Dec-2024 | Wed | 18-Dec-2024    | Wed                    | 1  | 300         | 595                     | 135,471 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 231,303 |
| 19-Dec-2024 | Thu | 19-Dec-2024    | Thu                    | 1  | 300         | 595                     | 136,066 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 231,899 |
| 20-Dec-2024 | Fri | 20-Dec-2024    | Fri                    | 1  | 300         | 595                     | 136,661 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 232,494 |
| 21-Dec-2024 | Sat | 21-Dec-2024    | Sat                    | 1  | 300         | 595                     | 137,256 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 233,089 |
| 22-Dec-2024 | Sun | 22-Dec-2024    | Sun                    | 1  | 300         | 595                     | 137,851 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 233,684 |
| 23-Dec-2024 | Mon | 23-Dec-2024    | Mon                    | 1  | 300         | 595                     | 138,446 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 234,279 |
| 24-Dec-2024 | Tue | 24-Dec-2024    | Tue                    | 1  | 300         | 595                     | 139,041 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 234,874 |
| 25-Dec-2024 | Wed | 25-Dec-2024    | Wed                    | 1  | 300         | 595                     | 139,636 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 235,469 |
| 26-Dec-2024 | Thu | 26-Dec-2024    | Thu                    | 1  | 300         | 595                     | 140,231 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 236,064 |
| 27-Dec-2024 | Fri | 27-Dec-2024    | Fri                    | 1  | 300         | 595                     | 140,826 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 236,659 |
| 28-Dec-2024 | Sat | 28-Dec-2024    | Sat                    | 1  | 300         | 595                     | 141,421 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 237,254 |
| 29-Dec-2024 | Sun | 29-Dec-2024    | Sun                    | 1  | 300         | 595                     | 142,017 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 237,849 |
| 30-Dec-2024 | Mon | 30-Dec-2024    | Mon                    | 1  | 300         | 595                     | 142,612 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 238,444 |
| 31-Dec-2024 | Tue | 31-Dec-2024    | Tue                    | 1  | 300         | 595                     | 143,207 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 239,039 |
| 01-Jan-2025 | Wed | 01-Jan-2025    | Wed                    | 1  | 300         | 595                     | 143,802 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 239,634 |
| 02-Jan-2025 | Thu | 02-Jan-2025    | Thu                    | 1  | 300         | 595                     | 144,397 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 240,229 |
| 03-Jan-2025 | Fri | 03-Jan-2025    | Fri                    | 1  | 300         | 595                     | 144,992 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 240,824 |
| 04-Jan-2025 | Sat | 04-Jan-2025    | Sat                    | 1  | 300         | 595                     | 145,587 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 241,419 |
| 05-Jan-2025 | Sun | 05-Jan-2025    | Sun                    | 1  | 300         | 595                     | 146,182 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 242,014 |
| 06-Jan-2025 | Mon | 06-Jan-2025    | Mon                    | 1  | 300         | 595                     | 146,777 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 242,609 |
| 07-Jan-2025 | Tue | 07-Jan-2025    | Tue                    | 1  | 300         | 595                     | 147,372 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 243,204 |
| 08-Jan-2025 | Wed | 08-Jan-2025    | Wed                    | 1  | 300         | 595                     | 147,967 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 243,799 |
| 09-Jan-2025 | Thu | 09-Jan-2025    | Thu                    | 1  | 300         | 595                     | 148,562 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 244,394 |
| 10-Jan-2025 | Fri | 10-Jan-2025    | Fri                    | 1  | 300         | 595                     | 149,157 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 244,989 |
| 11-Jan-2025 | Sat | 11-Jan-2025    | Sat                    | 1  | 300         | 595                     | 149,752 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 245,584 |
| 12-Jan-2025 | Sun | 12-Jan-2025    | Sun                    | 1  | 300         | 595                     | 150,347 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 246,179 |
| 13-Jan-2025 | Mon | 13-Jan-2025    | Mon                    | 1  | 300         | 595                     | 150,942 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 246,775 |
| 14-Jan-2025 | Tue | 14-Jan-2025    | Tue                    | 1  | 300         | 595                     | 151,537 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 247,370 |
| 15-Jan-2025 | Wed | 15-Jan-2025    | Wed                    | 1  | 300         | 595                     | 152,132 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 247,965 |
| 16-Jan-2025 | Thu | 16-Jan-2025    | Thu                    | 1  | 300         | 595                     | 152,727 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 248,560 |
| 17-Jan-2025 | Fri | 17-Jan-2025    | Fri                    | 1  | 300         | 595                     | 153,322 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 249,155 |
| 18-Jan-2025 | Sat | 18-Jan-2025    | Sat                    | 1  | 300         | 595                     | 153,917 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 249,750 |
| 19-Jan-2025 | Sun | 19-Jan-2025    | Sun                    | 1  | 300         | 595                     | 154,512 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 250,345 |
| 20-Jan-2025 | Mon | 20-Jan-2025    | Mon                    | 1  | 300         | 595                     | 155,107 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 250,940 |
| 21-Jan-2025 | Tue | 21-Jan-2025    | Tue                    | 1  | 300         | 595                     | 155,702 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 251,535 |
| 22-Jan-2025 | Wed | 22-Jan-2025    | Wed                    | 1  | 300         | 595                     | 156,298 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 252,130 |
| 23-Jan-2025 | Thu | 23-Jan-2025    | Thu                    | 1  | 300         | 595                     | 156,893 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 252,725 |
| 24-Jan-2025 | Fri | 24-Jan-2025    | Fri                    | 1  | 300         | 595                     | 157,488 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 253,320 |
| 25-Jan-2025 | Sat | 25-Jan-2025    | Sat                    | 1  | 300         | 595                     | 158,083 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 253,915 |
| 26-Jan-2025 | Sun | 26-Jan-2025    | Sun                    | 1  | 300         | 595                     | 158,678 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 254,510 |
| 27-Jan-2025 | Mon | 27-Jan-2025    | Mon                    | 1  | 300         | 595                     | 159,273 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 255,105 |

**Table 3**  
**Tuolumne River Flow Schedule**  
 Based on DWR Values, 60-20-20 Index for 2024, Hydrologic Conditions  
 Schedule For 2024-2025 Fish Flow Year

| DATE        |     | Number of DAYS | BASE FLOW <sup>1</sup> |    |             | PULSE FLOW <sup>2</sup> |         |             | INTERPOLATION FLOW |        |             | Other Adjusted Flow |    |             | TOTAL FERC FLOW |             |     |         |
|-------------|-----|----------------|------------------------|----|-------------|-------------------------|---------|-------------|--------------------|--------|-------------|---------------------|----|-------------|-----------------|-------------|-----|---------|
| From:       | To: |                | CFS                    | AF | ACCUM. A.F. | CFS                     | AF      | ACCUM. A.F. | CFS                | AF     | ACCUM. A.F. | CFS                 | AF | ACCUM. A.F. | CFS             | ACCUM. A.F. |     |         |
| 28-Jan-2025 | Tue | 28-Jan-2025    | Tue                    | 1  | 300         | 595                     | 159,868 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 255,700 |
| 29-Jan-2025 | Wed | 29-Jan-2025    | Wed                    | 1  | 300         | 595                     | 160,463 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 256,295 |
| 30-Jan-2025 | Thu | 30-Jan-2025    | Thu                    | 1  | 300         | 595                     | 161,058 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 256,890 |
| 31-Jan-2025 | Fri | 31-Jan-2025    | Fri                    | 1  | 300         | 595                     | 161,653 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 257,485 |
| 01-Feb-2025 | Sat | 01-Feb-2025    | Sat                    | 1  | 300         | 595                     | 162,248 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 258,080 |
| 02-Feb-2025 | Sun | 02-Feb-2025    | Sun                    | 1  | 300         | 595                     | 162,843 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 258,675 |
| 03-Feb-2025 | Mon | 03-Feb-2025    | Mon                    | 1  | 300         | 595                     | 163,438 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 259,270 |
| 04-Feb-2025 | Tue | 04-Feb-2025    | Tue                    | 1  | 300         | 595                     | 164,033 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 259,865 |
| 05-Feb-2025 | Wed | 05-Feb-2025    | Wed                    | 1  | 300         | 595                     | 164,628 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 260,460 |
| 06-Feb-2025 | Thu | 06-Feb-2025    | Thu                    | 1  | 300         | 595                     | 165,223 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 261,056 |
| 07-Feb-2025 | Fri | 07-Feb-2025    | Fri                    | 1  | 300         | 595                     | 165,818 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 261,651 |
| 08-Feb-2025 | Sat | 08-Feb-2025    | Sat                    | 1  | 300         | 595                     | 166,413 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 262,246 |
| 09-Feb-2025 | Sun | 09-Feb-2025    | Sun                    | 1  | 300         | 595                     | 167,008 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 262,841 |
| 10-Feb-2025 | Mon | 10-Feb-2025    | Mon                    | 1  | 300         | 595                     | 167,603 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 263,436 |
| 11-Feb-2025 | Tue | 11-Feb-2025    | Tue                    | 1  | 300         | 595                     | 168,198 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 264,031 |
| 12-Feb-2025 | Wed | 12-Feb-2025    | Wed                    | 1  | 300         | 595                     | 168,793 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 264,626 |
| 13-Feb-2025 | Thu | 13-Feb-2025    | Thu                    | 1  | 300         | 595                     | 169,388 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 265,221 |
| 14-Feb-2025 | Fri | 14-Feb-2025    | Fri                    | 1  | 300         | 595                     | 169,983 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 265,816 |
| 15-Feb-2025 | Sat | 15-Feb-2025    | Sat                    | 1  | 300         | 595                     | 170,579 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 266,411 |
| 16-Feb-2025 | Sun | 16-Feb-2025    | Sun                    | 1  | 300         | 595                     | 171,174 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 267,006 |
| 17-Feb-2025 | Mon | 17-Feb-2025    | Mon                    | 1  | 300         | 595                     | 171,769 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 267,601 |
| 18-Feb-2025 | Tue | 18-Feb-2025    | Tue                    | 1  | 300         | 595                     | 172,364 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 268,196 |
| 19-Feb-2025 | Wed | 19-Feb-2025    | Wed                    | 1  | 300         | 595                     | 172,959 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 268,791 |
| 20-Feb-2025 | Thu | 20-Feb-2025    | Thu                    | 1  | 300         | 595                     | 173,554 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 269,386 |
| 21-Feb-2025 | Fri | 21-Feb-2025    | Fri                    | 1  | 300         | 595                     | 174,149 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 269,981 |
| 22-Feb-2025 | Sat | 22-Feb-2025    | Sat                    | 1  | 300         | 595                     | 174,744 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 270,576 |
| 23-Feb-2025 | Sun | 23-Feb-2025    | Sun                    | 1  | 300         | 595                     | 175,339 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 271,171 |
| 24-Feb-2025 | Mon | 24-Feb-2025    | Mon                    | 1  | 300         | 595                     | 175,934 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 271,766 |
| 25-Feb-2025 | Tue | 25-Feb-2025    | Tue                    | 1  | 300         | 595                     | 176,529 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 272,361 |
| 26-Feb-2025 | Wed | 26-Feb-2025    | Wed                    | 1  | 300         | 595                     | 177,124 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 272,956 |
| 27-Feb-2025 | Thu | 27-Feb-2025    | Thu                    | 1  | 300         | 595                     | 177,719 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 273,551 |
| 28-Feb-2025 | Fri | 28-Feb-2025    | Fri                    | 1  | 300         | 595                     | 178,314 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 274,146 |
| 01-Mar-2025 | Sat | 01-Mar-2025    | Sat                    | 1  | 300         | 595                     | 178,909 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 274,741 |
| 02-Mar-2025 | Sun | 02-Mar-2025    | Sun                    | 1  | 300         | 595                     | 179,504 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 275,337 |
| 03-Mar-2025 | Mon | 03-Mar-2025    | Mon                    | 1  | 300         | 595                     | 180,099 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 275,932 |
| 04-Mar-2025 | Tue | 04-Mar-2025    | Tue                    | 1  | 300         | 595                     | 180,694 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 276,527 |
| 05-Mar-2025 | Wed | 05-Mar-2025    | Wed                    | 1  | 300         | 595                     | 181,289 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 277,122 |
| 06-Mar-2025 | Thu | 06-Mar-2025    | Thu                    | 1  | 300         | 595                     | 181,884 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 277,717 |
| 07-Mar-2025 | Fri | 07-Mar-2025    | Fri                    | 1  | 300         | 595                     | 182,479 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 278,312 |
| 08-Mar-2025 | Sat | 08-Mar-2025    | Sat                    | 1  | 300         | 595                     | 183,074 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 278,907 |
| 09-Mar-2025 | Sun | 09-Mar-2025    | Sun                    | 1  | 300         | 595                     | 183,669 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 279,502 |
| 10-Mar-2025 | Mon | 10-Mar-2025    | Mon                    | 1  | 300         | 595                     | 184,264 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 280,097 |
| 11-Mar-2025 | Tue | 11-Mar-2025    | Tue                    | 1  | 300         | 595                     | 184,859 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 280,692 |
| 12-Mar-2025 | Wed | 12-Mar-2025    | Wed                    | 1  | 300         | 595                     | 185,455 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 281,287 |
| 13-Mar-2025 | Thu | 13-Mar-2025    | Thu                    | 1  | 300         | 595                     | 186,050 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 281,882 |
| 14-Mar-2025 | Fri | 14-Mar-2025    | Fri                    | 1  | 300         | 595                     | 186,645 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 282,477 |
| 15-Mar-2025 | Sat | 15-Mar-2025    | Sat                    | 1  | 300         | 595                     | 187,240 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 283,072 |
| 16-Mar-2025 | Sun | 16-Mar-2025    | Sun                    | 1  | 300         | 595                     | 187,835 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 283,667 |
| 17-Mar-2025 | Mon | 17-Mar-2025    | Mon                    | 1  | 300         | 595                     | 188,430 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 284,262 |
| 18-Mar-2025 | Tue | 18-Mar-2025    | Tue                    | 1  | 300         | 595                     | 189,025 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 284,857 |
| 19-Mar-2025 | Wed | 19-Mar-2025    | Wed                    | 1  | 300         | 595                     | 189,620 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 285,452 |
| 20-Mar-2025 | Thu | 20-Mar-2025    | Thu                    | 1  | 300         | 595                     | 190,215 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 286,047 |
| 21-Mar-2025 | Fri | 21-Mar-2025    | Fri                    | 1  | 300         | 595                     | 190,810 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 286,642 |
| 22-Mar-2025 | Sat | 22-Mar-2025    | Sat                    | 1  | 300         | 595                     | 191,405 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 287,237 |
| 23-Mar-2025 | Sun | 23-Mar-2025    | Sun                    | 1  | 300         | 595                     | 192,000 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 287,832 |
| 24-Mar-2025 | Mon | 24-Mar-2025    | Mon                    | 1  | 300         | 595                     | 192,595 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 288,427 |
| 25-Mar-2025 | Tue | 25-Mar-2025    | Tue                    | 1  | 300         | 595                     | 193,190 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 289,022 |
| 26-Mar-2025 | Wed | 26-Mar-2025    | Wed                    | 1  | 300         | 595                     | 193,785 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 289,618 |
| 27-Mar-2025 | Thu | 27-Mar-2025    | Thu                    | 1  | 300         | 595                     | 194,380 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0               | 0           | 300 | 290,213 |

**Table 3**  
**Tuolumne River Flow Schedule**  
 Based on DWR Values, 60-20-20 Index for 2024, Hydrologic Conditions  
 Schedule For 2024-2025 Fish Flow Year

| DATE        |     | Number of DAYS | BASE FLOW <sup>1</sup> |    |             | PULSE FLOW <sup>2</sup> |         |             | INTERPOLATION FLOW |        |             | Other Adjusted Flow |    |             | TOTAL FEREC FLOW |                          |     |         |
|-------------|-----|----------------|------------------------|----|-------------|-------------------------|---------|-------------|--------------------|--------|-------------|---------------------|----|-------------|------------------|--------------------------|-----|---------|
| From:       | To: |                | CFS                    | AF | ACCUM. A.F. | CFS                     | AF      | ACCUM. A.F. | CFS                | AF     | ACCUM. A.F. | CFS                 | AF | ACCUM. A.F. | CFS              | ACCUM. A.F. <sup>3</sup> |     |         |
| 28-Mar-2025 | Fri | 28-Mar-2025    | Fri                    | 1  | 300         | 595                     | 194,975 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 290,808 |
| 29-Mar-2025 | Sat | 29-Mar-2025    | Sat                    | 1  | 300         | 595                     | 195,570 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 291,403 |
| 30-Mar-2025 | Sun | 30-Mar-2025    | Sun                    | 1  | 300         | 595                     | 196,165 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 291,998 |
| 31-Mar-2025 | Mon | 31-Mar-2025    | Mon                    | 1  | 300         | 595                     | 196,760 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 292,593 |
| 01-Apr-2025 | Tue | 01-Apr-2025    | Tue                    | 1  | 300         | 595                     | 197,355 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 293,188 |
| 02-Apr-2025 | Wed | 02-Apr-2025    | Wed                    | 1  | 300         | 595                     | 197,950 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 293,783 |
| 03-Apr-2025 | Thu | 03-Apr-2025    | Thu                    | 1  | 300         | 595                     | 198,545 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 294,378 |
| 04-Apr-2025 | Fri | 04-Apr-2025    | Fri                    | 1  | 300         | 595                     | 199,140 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 294,973 |
| 05-Apr-2025 | Sat | 05-Apr-2025    | Sat                    | 1  | 300         | 595                     | 199,736 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 295,568 |
| 06-Apr-2025 | Sun | 06-Apr-2025    | Sun                    | 1  | 300         | 595                     | 200,331 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 296,163 |
| 07-Apr-2025 | Mon | 07-Apr-2025    | Mon                    | 1  | 300         | 595                     | 200,926 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 296,758 |
| 08-Apr-2025 | Tue | 08-Apr-2025    | Tue                    | 1  | 300         | 595                     | 201,521 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 297,353 |
| 09-Apr-2025 | Wed | 09-Apr-2025    | Wed                    | 1  | 300         | 595                     | 202,116 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 297,948 |
| 10-Apr-2025 | Thu | 10-Apr-2025    | Thu                    | 1  | 300         | 595                     | 202,711 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 298,543 |
| 11-Apr-2025 | Fri | 11-Apr-2025    | Fri                    | 1  | 300         | 595                     | 203,306 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 299,138 |
| 12-Apr-2025 | Sat | 12-Apr-2025    | Sat                    | 1  | 300         | 595                     | 203,901 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 299,733 |
| 13-Apr-2025 | Sun | 13-Apr-2025    | Sun                    | 1  | 300         | 595                     | 204,496 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 300,328 |
| 14-Apr-2025 | Mon | 14-Apr-2025    | Mon                    | 1  | 300         | 595                     | 205,091 | 0           | 0                  | 95,832 | 0           | 0                   | 0  | 0           | 0                | 0                        | 300 | 300,923 |
| No. of days |     | 365            |                        |    |             |                         |         |             |                    |        |             |                     |    |             |                  |                          |     |         |

1 cfs day = 1.983471 acre-feet (af)

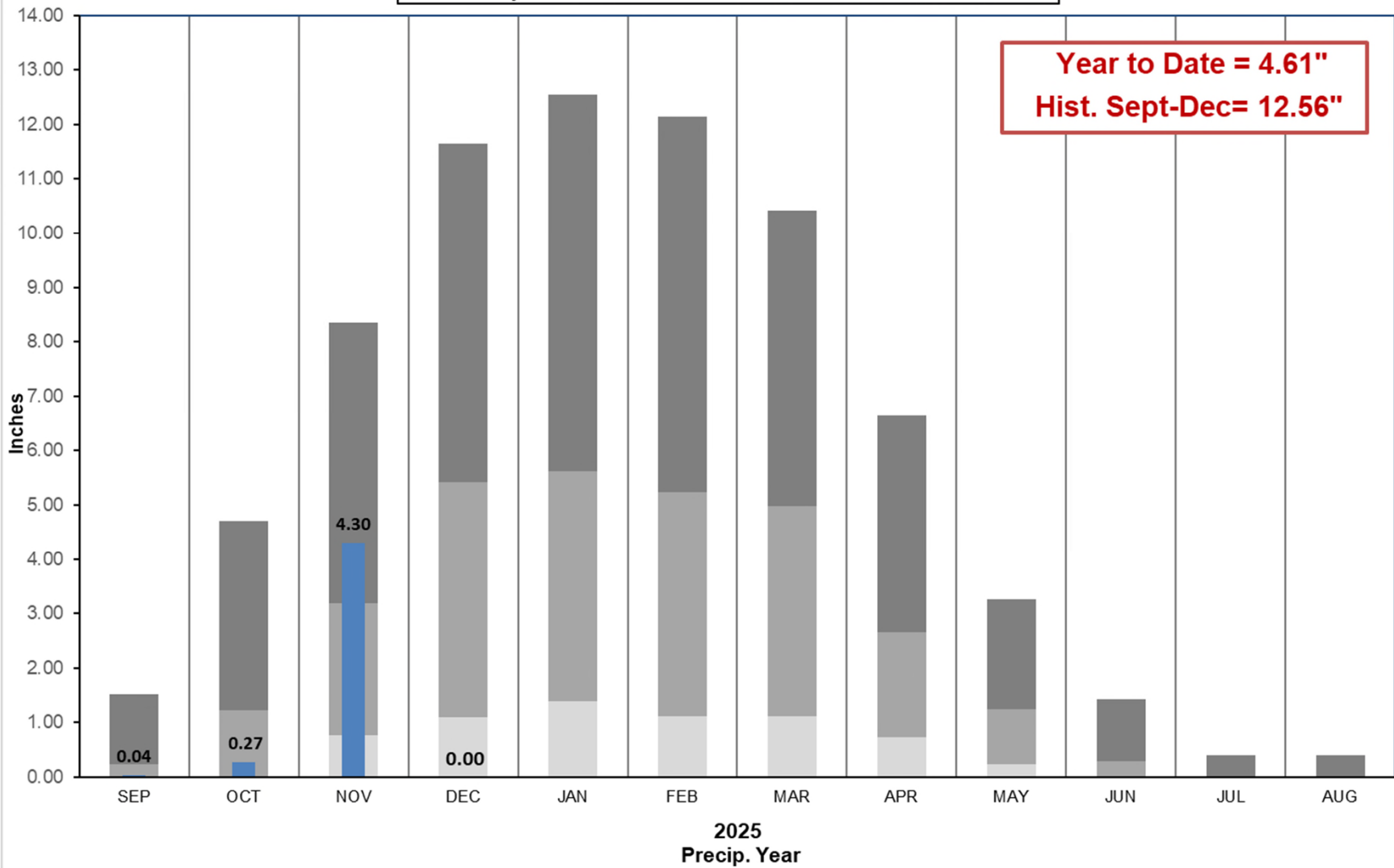
- Total accumulation amount pertains to 2024-2025 Fish Year only.
- The pulse flows are a target that represents a daily average target. The actual operational data will be adjusted to attain the annual requirement. Based on an hourly calculation schedule for the target flows. This represents a daily average.

| Case | 60-20-20 Index |                 | Base Total |  | Pulse Total |  | Interpolation Total |  | Adjustment Total |  | FERC Total |
|------|----------------|-----------------|------------|--|-------------|--|---------------------|--|------------------|--|------------|
| 90%  | 3,485,506      | 60-20-20 Index  | 205,091    |  | 95,832      |  | -                   |  |                  |  | 300,923    |
|      |                | Scheduled Above | 205,091    |  | 95,832      |  | -                   |  | -                |  | 300,923    |
|      |                | Difference      | 0          |  | (0)         |  | -                   |  | -                |  | (0)        |

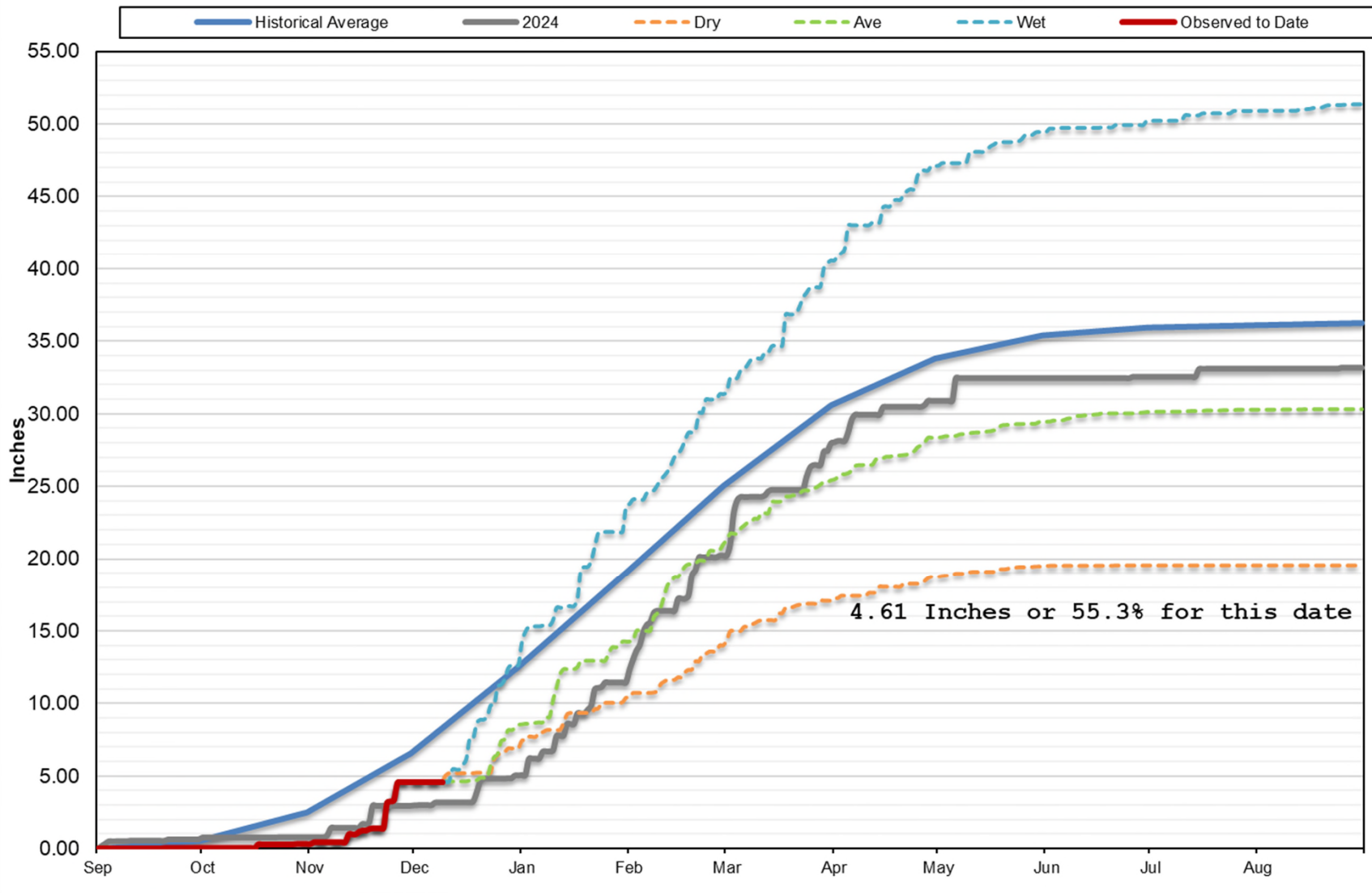


# Tuolumne River Watershed Monthly Accumulation of Precipitation

■ Dry ■ Ave ■ Wet ■ 2024-2025



# Tuolumne River Watershed Accumulated Precipitation

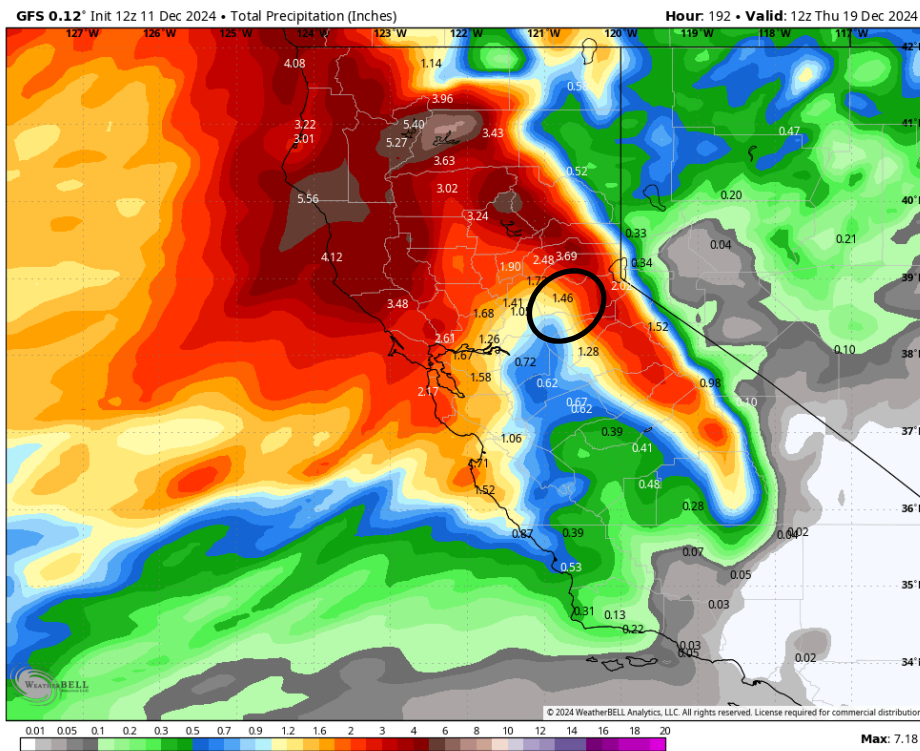


### 9-Day Local Forecast (Turlock)

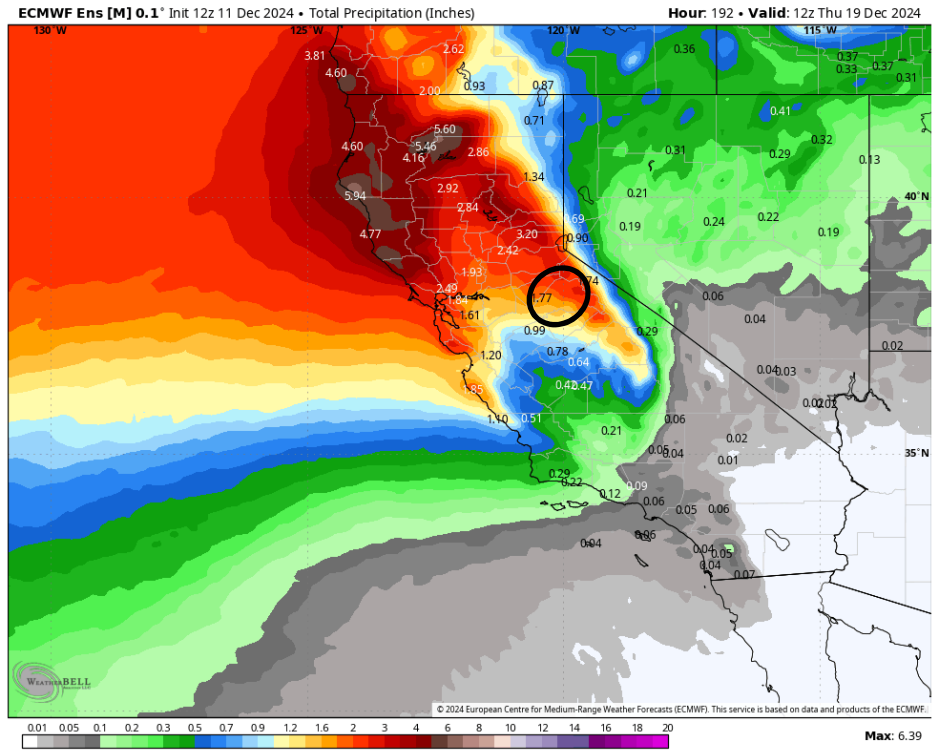
| Date                   | 12/11    | 12/12    | 12/13    | 12/14    | 12/15    | 12/16    | 12/17    | 12/18    | 12/19    |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Precip<br>(in)         | 0.44     | 0.19     | 0        | 0.21     | 0        | 0.04     | 0        | 0        | 0        |
| Temp<br>(max)<br>(min) | 60<br>43 | 56<br>45 | 58<br>49 | 57<br>43 | 48<br>41 | 55<br>42 | 58<br>39 | 58<br>39 | 60<br>41 |

# 8 Day Precipitation Forecast

## US MODEL



## EURO MODEL



## DON PEDRO / TUOLUMNE RIVER WATERSHED

|  | 12/10/2024<br>Tuesday | 12/9/2024<br>Monday | 12/8/2024<br>Sunday | 12/7/2024<br>Saturday | 12/6/2024<br>Friday | 12/5/2024<br>Thursday | 12/4/2024<br>Wednesday |
|--|-----------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|------------------------|
| <b>* Computed Natural Flow (cfs)</b>                           | <b>1,078</b>          | <b>463</b>          | <b>7</b>            | <b>358</b>            | <b>819</b>          | <b>-38</b>            | <b>183</b>             |
| <b>Don Pedro</b>   |                       |                     |                     |                       |                     |                       |                        |
| Elevation (Feet) <sup>^(Max = 830.0, Min = 600.0)</sup>        | 774.3                 | 774.3               | 774.3               | 774.4                 | 774.4               | 774.4                 | 774.5                  |
| Storage (AF) <sup>^(Max = 2,030,000 Min=309,000)</sup>         | 1,400,645             | 1,400,645           | 1,400,645           | 1,401,620             | 1,401,620           | 1,401,620             | 1,402,596              |
| Gain/(-Loss) (AF)  | 0                     | 0                   | -975                | 0                     | 0                   | -976                  | 0                      |
| ** Avg. Inflow (cfs)   | 1,108                 | 407                 | -92                 | 387                   | 678                 | -94                   | 387                    |
| <b>Avg. Flows at La Grange</b>                                 |                       |                     |                     |                       |                     |                       |                        |
| TID Canal (cfs) <sup>^(Max = 2500)</sup>                       | 44                    | 42                  | 45                  | 35                    | 40                  | 33                    | 34                     |
| MID Canal (cfs) <sup>^(Max = 1800)</sup>                       | 712                   | 9                   | 0                   | 0                     | 284                 | 9                     | 0                      |
| <b>River (cfs)<sup>^(Max = 9000)</sup></b>                     | <b>352</b>            | <b>355</b>          | <b>355</b>          | <b>352</b>            | <b>354</b>          | <b>353</b>            | <b>348</b>             |
| Total (cfs)  | 1,108                 | 407                 | 399                 | 387                   | 678                 | 395                   | 382                    |
| <b>Hetch Hetchy Reservoir</b>                                  |                       |                     |                     |                       |                     |                       |                        |
| Elevation (Feet) <sup>^(Max = 3806, Min = 3520)</sup>          | 3,739.0               | 3,739.3             | 3,739.5             | 3,739.7               | 3,740.0             | 3,740.2               | 3,740.5                |
| Storage (AF) <sup>^(Max = 360,360, Min=410)</sup>              | 237,210               | 237,717             | 238,055             | 238,393               | 238,900             | 239,240               | 239,750                |
| Gain/(-Loss) (AF)  | -507                  | -338                | -338                | -507                  | -340                | -510                  | -680                   |
| ** Avg. Release (cfs)  | 228                   | 226                 | 225                 | 229                   | 226                 | 227                   | 260                    |
| ** Avg. Inflow (cfs)   | -28                   | 56                  | 55                  | -27                   | 55                  | -30                   | -83                    |
| <b>Cherry Valley Reservoir</b>                                 |                       |                     |                     |                       |                     |                       |                        |
| Elevation (Feet) <sup>^(Max = 4700, Min = 4440)</sup>          | 4,687.8               | 4,687.8             | 4,687.8             | 4,687.7               | 4,687.7             | 4,687.6               | 4,687.5                |
| Storage (AF) <sup>^(Max = 270,270 Min=0)</sup>                 | 247,457               | 247,457             | 247,457             | 247,285               | 247,285             | 247,114               | 246,942                |
| Gain/(-Loss) (AF)  | 0                     | 0                   | 172                 | 0                     | 171                 | 172                   | 0                      |
| ** Avg. Release (cfs)  | 7                     | 7                   | 7                   | 7                     | 7                   | 8                     | 8                      |
| ** Avg. Inflow (cfs)   | 7                     | 7                   | 94                  | 7                     | 93                  | 95                    | 8                      |
| <b>Lake Eleanor Reservoir</b>                                  |                       |                     |                     |                       |                     |                       |                        |
| Elevation (Feet) <sup>^(Max = 4660.9, Min = 4620.9)</sup>      | 4,649.7               | 4,649.6             | 4,649.5             | 4,649.5               | 4,649.4             | 4,649.3               | 4,649.2                |
| Storage (AF) <sup>^(Max = 27,016 Min=0)</sup>                  | 16,726                | 16,640              | 16,554              | 16,554                | 16,468              | 16,382                | 16,296                 |
| Gain/(-Loss) (AF)  | 86                    | 86                  | 0                   | 86                    | 86                  | 86                    | -86                    |
| ** Avg. Release (cfs)  | 6                     | 6                   | 6                   | 5                     | 5                   | 5                     | 5                      |
| ** Avg. Inflow (cfs)   | 49                    | 49                  | 6                   | 48                    | 48                  | 48                    | -38                    |
| <b>Avg. Div. to S.F. Pipeline (mgd)<sup>^(Max = 300)</sup></b> | <b>119</b>            | <b>119</b>          | <b>119</b>          | <b>119</b>            | <b>119</b>          | <b>119</b>            | <b>119</b>             |
| <b>Rain Fall (Inches)</b>                                      |                       |                     |                     |                       |                     |                       |                        |
| Hetch Hetchy   | 0.00                  | 0.00                | 0.00                | 0.00                  | 0.00                | 0.00                  | 0.00                   |
| Cherry Valley  | 0.00                  | 0.00                | 0.00                | 0.00                  | 0.00                | 0.00                  | 0.00                   |
| Moccasin   | 0.00                  | 0.00                | 0.00                | 0.00                  | 0.00                | 0.00                  | 0.00                   |
| Sonora   | 0.00                  | 0.00                | 0.00                | 0.00                  | 0.00                | 0.00                  | 0.00                   |
| Yosemite   | 0.00                  | 0.00                | 0.00                | 0.00                  | 0.00                | 0.00                  | 0.00                   |
| Don Pedro  | 0.00                  | 0.00                | 0.00                | 0.00                  | 0.00                | 0.00                  | 0.00                   |

\* Computed Natural Flow is a calculated value representing what the flow in the river at La Grange would be without human diversion, storage, or release. Due to the nature of the calculation, this value may be negative.

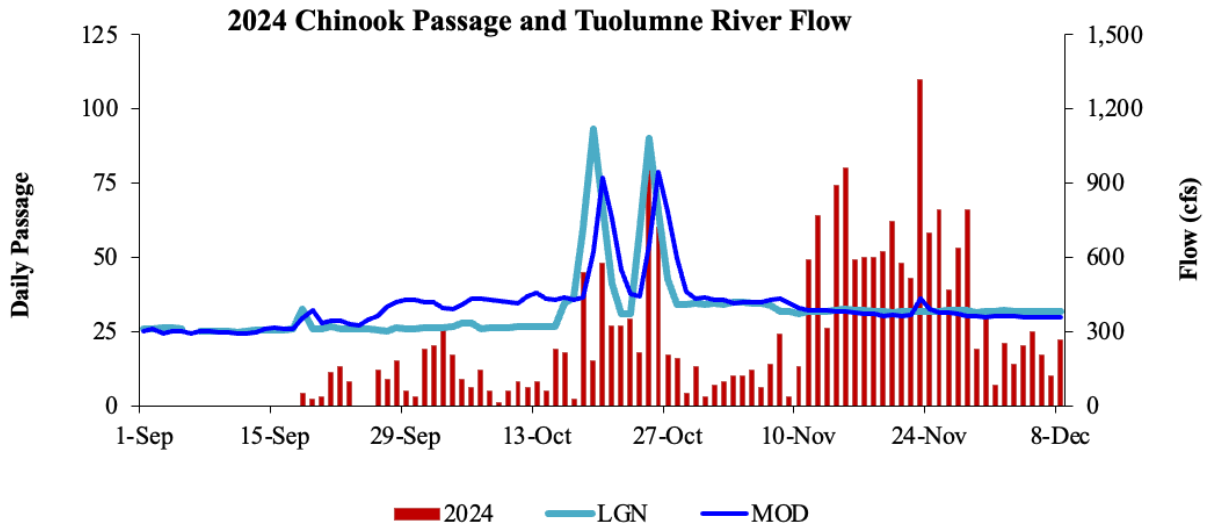
\*\* Inflow is a calculated value representing the flow of water into a reservoir. Inflow to a reservoir is not necessarily equal to the Computed Natural Flow. Due to the nature of the calculation, this value may be negative.

**Note:** cfs is a rate of flow in **cubic feet per second**; a flow of 1 cfs over a 24-hour period (cfs/day)  $\approx$  1.98 **acre-feet (AF)**; mgd is a rate of flow in **million gallons per day** (megagallons per day); a flow rate of 1 mgd  $\approx$  1.55 cfs; a flow of 1 mgd over a 24-hour period  $\approx$  3.1 AF.

**Table 1. Tuolumne River weir adult Chinook salmon net upstream passage to date and season total, 2009-2024.**

Updated Through 12/08/24

| Year        | Monitoring Start Date | Net Passage to Date | Season Total |
|-------------|-----------------------|---------------------|--------------|
| <b>2024</b> | <b>9/11/24</b>        | <b>2,004</b>        | <b>2,004</b> |
| 2023        | 9/12/23               | 1,452               | 1,768        |
| 2022        | 9/30/22               | 613                 | 689          |
| 2021        | 9/29/21               | 515                 | 573          |
| 2020        | 9/28/20               | 874                 | 1,061        |
| 2019        | 9/10/19               | 2,071               | 2,123        |
| 2018        | 9/12/18               | 2,967               | 3,072        |
| 2017        | 9/26/17               | 2,492               | 2,769        |
| 2016        | 9/19/16               | 3,269               | 3,559        |
| 2015        | 9/28/15               | 302                 | 436          |
| 2014        | 9/29/14               | 579                 | 672          |
| 2013        | 9/24/13               | 3,516               | 3,738        |
| 2012        | 9/24/12               | 2,147               | 2,305        |
| 2011        | 9/16/11               | 2,702               | 2,891        |
| 2010        | 9/9/10                | 792                 | 792          |
| 2009        | 9/22/09               | 231                 | 299          |



**Figure 1. Daily Tuolumne River weir adult Chinook passage and river flow, 2024.**

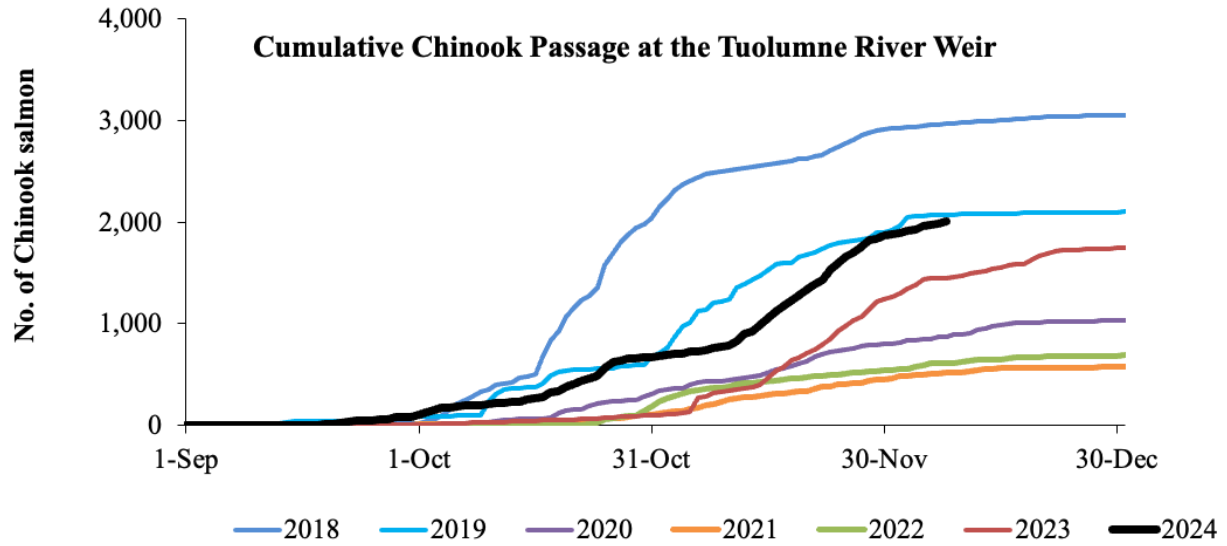


Figure 2. Cumulative adult Chinook passage at the Tuolumne River, 2018-2024.

Table 2. Stanislaus River weir adult Chinook salmon net upstream passage to date and season total, 2003-2024.

Updated through: 12/08/2024

| Year        | Monitoring Start date | Net Passage To Date | Season Total |
|-------------|-----------------------|---------------------|--------------|
| <b>2024</b> | <b>9/5/24</b>         | <b>3,319</b>        | <b>3,319</b> |
| 2023        | 9/6/23                | 2,233               | 2,443        |
| 2022        | 9/15/22               | 3,568               | 3,798        |
| 2021        | 9/8/21                | 5,851               | 6,032        |
| 2020        | 9/10/20               | 1,836               | 1,906        |
| 2019        | 8/29/19               | 2,594               | 2,594        |
| 2018        | 9/5/18                | 4,705               | 4,777        |
| 2017        | 9/15/17               | 8,224               | 8,500        |
| 2016        | 9/8/16                | 13,735              | 14,399       |
| 2015        | 9/15/15               | 10,837              | 12,707       |
| 2014        | 9/5/14                | 5,290               | 5,527        |
| 2013        | 9/3/13                | 5,353               | 5,452        |
| 2012        | 9/11/12               | 7,095               | 7,248        |
| 2011        | 11/8/11               | 685                 | 776          |
| 2010        | 9/7/10                | 1,289               | 1,364        |
| 2009        | 9/9/09                | 1,224               | 1,303        |
| 2008        | 9/9/08                | 876                 | 928          |
| 2007        | 9/22/07               | 422                 | 439          |
| 2006        | 9/8/06                | 2,799               | 3,074        |
| 2005        | 9/8/05                | 3,977               | 4,124        |
| 2004        | 9/10/04               | 4,409               | 4,448        |
| 2003        | 9/5/03                | 4,592               | 4,848        |

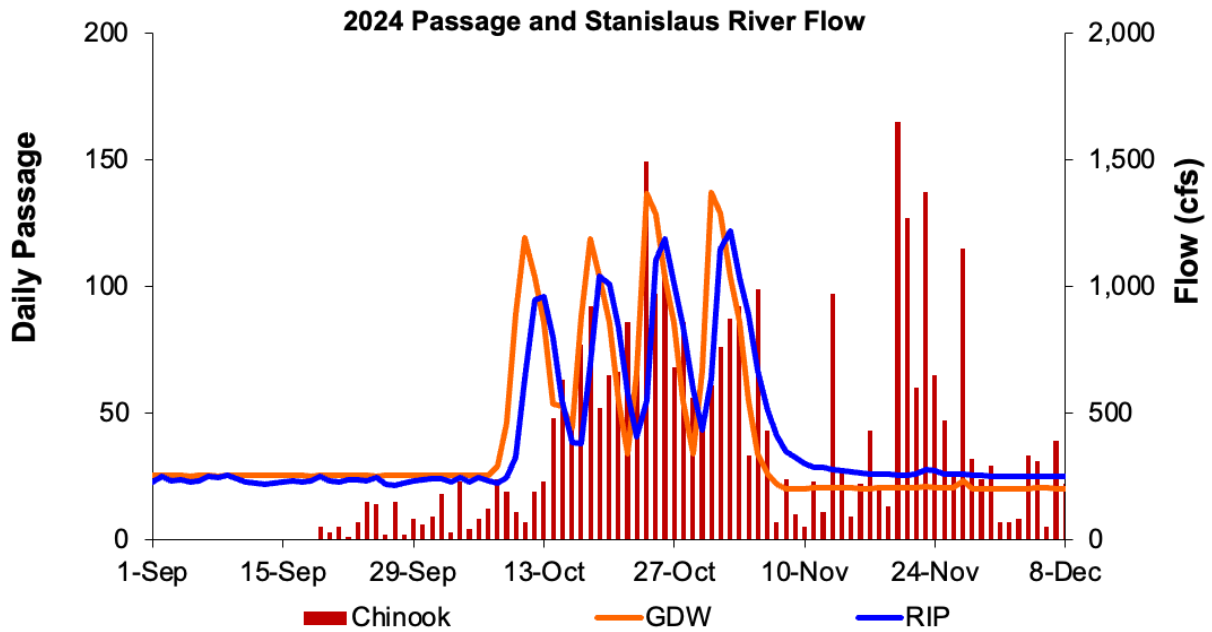


Figure 3. Daily Stanislaus River weir adult Chinook passage and river flow, 2024.

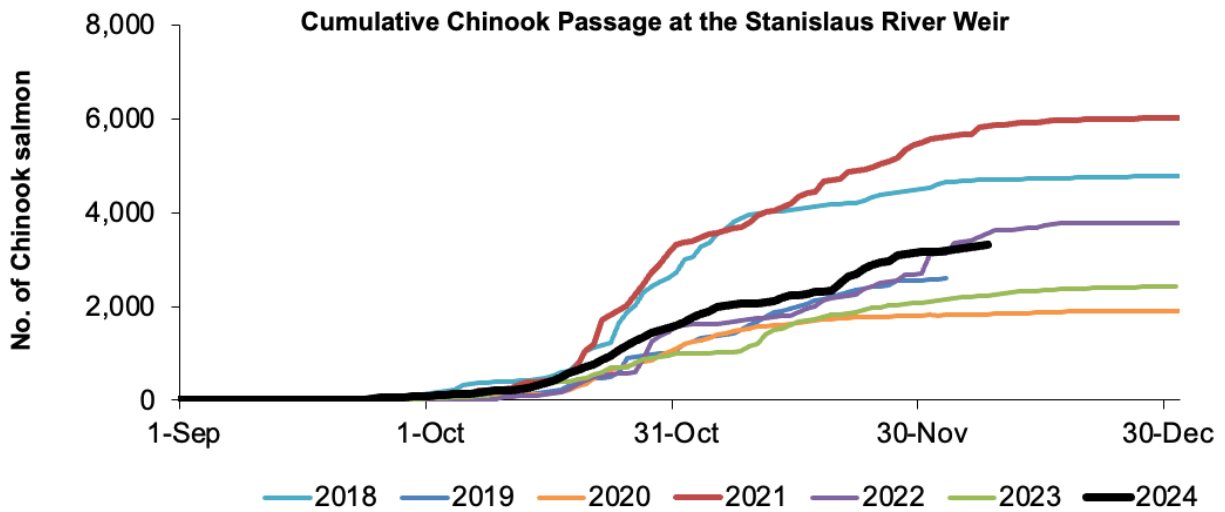
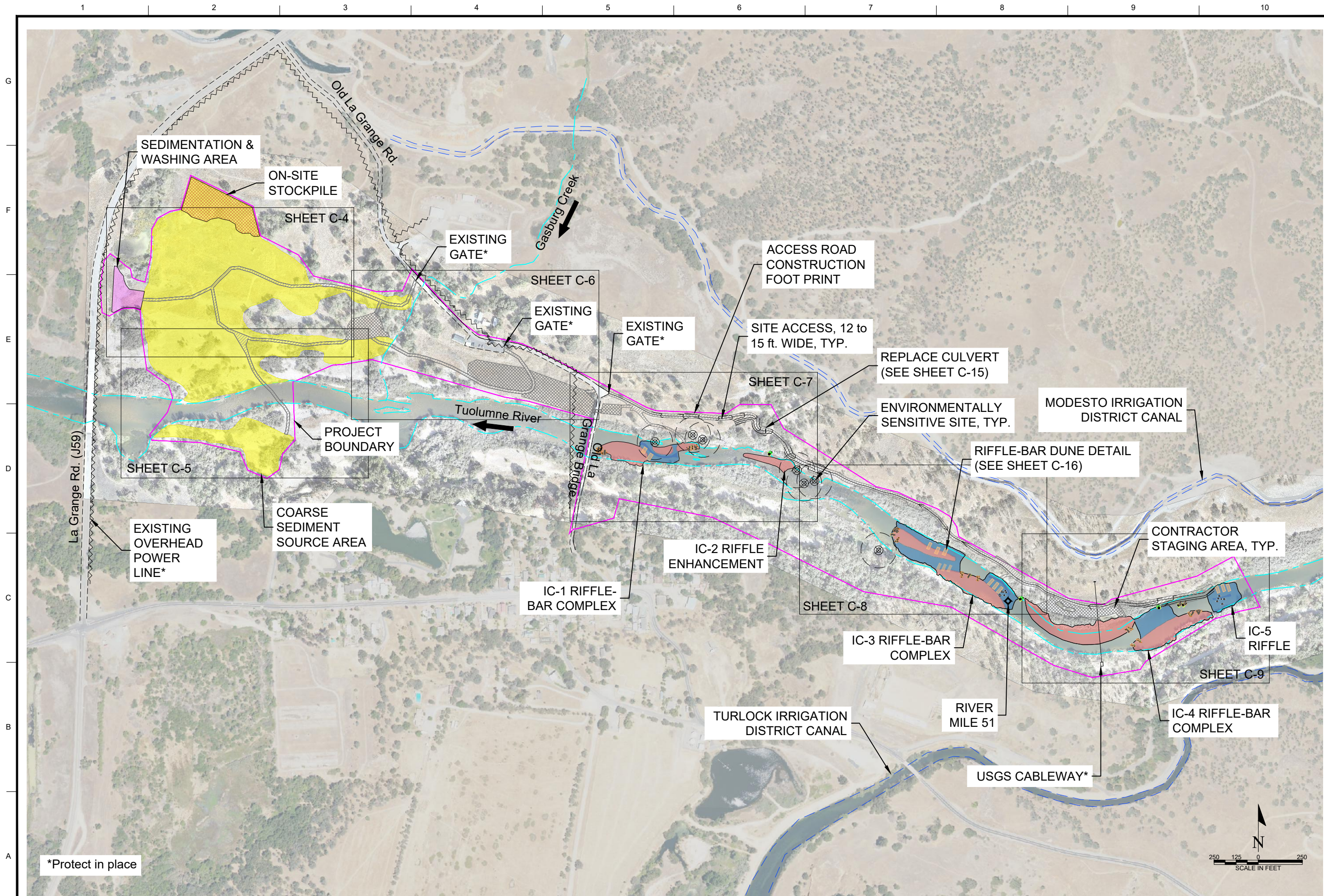


Figure 4. Cumulative adult Chinook passage at the Stanislaus River, 2018-2024.

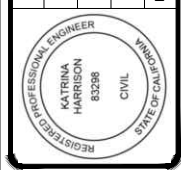




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| DESIGNED BY:<br>McBain Associates                           | ISSUE DATE:<br>March 7th, 2024            |
| DRAWN BY:<br>J. Hawkins                                     | PROJECT: TID/MD<br>Don Pedro Project 2022 |
| CHECKED BY:<br>F. Meyer                                     | CONTRACT NO.: Don Pedro 10334024.OLGB     |
| APPROVED BY:<br>K. Harrison (P.E.)                          | DRAWING SET: 100% Design Planset          |
| SIZE:<br>22 x 34 in. (full scale), 11 x 17 in. (half scale) |   |

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|---|--|
| HDR ENGINEERING, INC.<br>2365 IRON POINT ROAD, STE. 300<br>FOLSOM, CA 95630             |  |
| MCBAIN ASSOCIATES<br>(DBA APPLIED RIVER SCIENCES)<br>980 7TH STREET<br>ARCATA, CA 95521 |  |

Tuolumne River Mainstem Channel  
Restoration Upstream of Old La Grange  
Bridge, 100% Design Submittal  
Tuolumne River, LaGrange, CA  
Project Overview

SHEET ID  
**C-3**  
3 of 22

STATUS 100%