



— BUREAU OF —
RECLAMATION

Stanislaus Watershed Team (SWT)

Wednesday, December 17, 2025

Members Attending

- Attorney Offices: N/A
- CDFW: Gretchen Murphey, Steve Tsao
- Cramer Fish Sciences: Jesse Anderson
- DWR: N/A
- FISHBIO: Jason Guignard
- NMFS: Paula Higginson
- PSMFC: Logan Day, Hunter Morris
- SSJID: N/A
- Stockton East Water District (SEWD): N/A
- SWRCB: Yongxuan Gao
- Reclamation: Peggy Manza, Mechele Pacheco, Brian Willard, Thuy Washburn
- USFWS: Erika Holcombe
- WAPA: N/A
- Kearns & West: Mia Schiappi, Brita Romans
- Other: Lilliana Selke, Carrie Skorcz

Action Items

- **Mechele** to send updates to SWT participants about any increases or changes in operations due to changes in precipitation via email.
- **Mechele** to reach out to Bay Delta Office (BDO) to inquire about Reclamation's restoration plans on Stanislaus moving forward.

- **Gretchen** to forward comments to Peggy for the annual summary of activities.
- **Reclamation CCAO** to reshape WIF Planning to align with a storm, if possible.

Announcements

- Peggy Manza (USBR) announced that she will be the new point of contact for the Central California Area Office (CCAO) while Myrna Girald Perez is on maternity leave. Any updates to the annual summary of activities should be sent to Peggy for incorporation.

Operations Updates and Forecasts/Hydrology

Mechele Pacheco, Reclamation Central Valley Office (CVO), provided the latest forecast and implications for the Stanislaus River system and reported on current hydrologic conditions including flows. Mechele presented the information contained in the meeting packet shared with the SWT.

New Melones

- As of 12/14/2025, New Melones storage measured 1.65 million acre-feet (MAF) with an elevation of 1,019.16 Acre feet, which is 123% of the 15-year average.
- Accumulated precipitation for the water year to date as of 12/14/2025 was 8.89 inches, expecting more precipitation 12/19/2025 - 12/21/2025.
- New Melones had penstock work from November 11/17/2025 - 11/21/2025, which resulted in low power releases for November 18 – 20.
- Total releases for December were measured at 11,463 acre-feet, with 7.57 inches of precipitation in December.

Tullock

- There were no reported changes to releases due to encroaching that occurred in November.

Goodwin

- Pulse flows occurred in October and completed in early November. Minimum releases occurred for the remainder of November. November 16 and 17 had slightly higher flows due to side flows at Goodwin.
- December did have additional flows due to electro conductivity (EC) at Vernalis. Reclamation was anticipating Vernalis EC to reach 1 EC around 12/10/2025, as it steadily increased by 0.02 EC each day. Reclamation had a schedule that increased flows a few days in advance of projected EC exceedance. The EC stopped increasing around .86 EC then flows decreased to minimum.
- Total releases for December 2025 were measured at 6,825 acre-feet.

Forecast

- Draft end of September storage projection of 1.586 MAF for 50% exceedance dry, 1.214 MAF for 90% exceedance. For the stepped release plan, the 50% exceedance is using dry, and 90% exceedance is using critical. 90% WSI is critical. Reclamation would anticipate using critical but is optimistic that the system will get more water due to the storms which would improve outlook.

Discussion

- CDFW asked about increases for EC, asking if making increases this time of year for conductivity of Vernalis is standard, and reasoning as to why this is needed this year.
 - Reclamation CVO responded that last time Reclamation made any releases for EC was 2021, with prior occurrences in the previous drought of 2014 with additional releases in 2014 and 2015. Reclamation CCAO noted that it was extremely unusual, noting that the requirement for EC does change from .7 to 1.0 on October 1. Reclamation CVO clarified that 1.0 was not exceeded on a three-day running average. Reclamation CVO confirmed that they will get the data for the thirty-day average for the actual requirements to Reclamation CCAO.
- Reclamation CVO noted that EC was steadily increasing towards the requirement, stating that due to the forecasted period of dryness for the following two weeks, Reclamation was concerned that if they did not act before reaching the 1EC then they would continue to exceed the EC threshold. After an exceedance, Reclamation would have a difficult time not exceeding the threshold on the thirty-day average. Reclamation CVO was unable to identify what was causing the EC to increase, which caused uncertainty around how high it would get.
- Reclamation CCAO asked if EC was tracked up the San Joaquin River to see at what point it started to elevate
 - Reclamation CVO confirmed that yes it was tracked upstream, right above the Stanislaus River, the Maze Road station has been down for quite a while, the next one was Crow's Landing, Reclamation also looked at Salt and Mud Slough. They noted that Salt and Mud Slough EC were increasing, reaching up to 1.4EC, while Crow's Landing EC was not quite as high.
- Reclamation CCAO noted controversy between federal and state about how much water to send through the Tracy pumping plant down south, and recommended alertness over unusual amounts of water being released possibly for that reason. CDFW noted that the San Joaquin River does not have any DWR streams on it, reflecting that everything is either the irrigation districts or the Bureau of Reclamation. Reclamation CVO noted that New Melones does not operate for those operations or pumping.

- Reclamation CCAO noted that the typical pattern has been to release water from tile drains in the winter during large storm events which has minimized the need to make summertime EC releases. Due to this season's unusually moist October and November farmers may have decided to release tile drain water which may have been the cause of the increased EC.
- Reclamation CVO has been talking with Grace Swindler who has studied EC in the San Joaquin, noting that CCAO's tile drain water theory has been supported by others.
- CDFW asked about the upcoming storm and potential for encroachment, noting increased flows on the Tuolumne River due to the forecasted size of the storm and potential for encroachment in Don Pedro.
 - Reclamation CVO shared that New Melones has plenty of room, they are expecting large inflows into Tulloch but have not issued changes to releases yet. There is a likelihood of increased flows out of Goodwin due to Tulloch encroachment in future days.
 - Jason Guignard, Logan Day, and Gretchen Murphey requested as much notification as possible on proposed increases, especially if flows are expected to increase to 1,500 cfs or higher.
 - Reclamation CVO confirmed that they will send any notification to all of SWT via email, noting that real time operations may be necessary, and any notice of changes are not necessarily what will happen.
 - Reclamation CVO confirmed any encroachment would likely occur at Tulloch and noted these would be shorter term flow increases.
 - Reclamation CVO announced there will be an inspection at Goodwin on 1/13/26. They have been working with TriDam to give them an estimation of what flows will be so that they can complete necessary inspections. They noted there might be slight deviations to river flows that day, and with this storm it might be difficult, but they will continue coordination with TriDam, and release notice for any issues.

Water Temperature Updates

- Paula Higginson, NMFS, provided an update that water temperatures are within the normal range, below 55° F, with an observable decrease in temperature this month due to the seasonal shift.

Flow Planning

Winter Instability Flow Planning

Peggy Manza, Reclamation, and Gretchen Murphey, CDFW shared and discussed the plans for developing and circulating the Winter Instability Flow Plan to the SWT.

- CDFW announced that the step release plan has the winter instability flow (WIF) in February as the default, noting incorrectly that last year SWT decided it was unnecessary to reshape. With the short duration and the flows of the WIF, the plan is to aim towards the back end of February and hope for a storm event. Plan to resume discussions when the water year type is better known in January,
- Reclamation CCAO asked CDFW how they would like to time the flows with a storm or run it independently. CDFW noted that in February they would like to try to target it towards a storm and then if nothing comes, they will run it in the last two weeks. In February, they will start looking at forecasts to see if there's anything to align the flows with.
- CDFW noted that if the forecast is confirmed as a dry or critically dry year, flows will only be for one or two days because there will only be a small amount of water available. If the water year type ends up being wet, then the SWT may want to think about reshaping flows.
- USFWS asked about WIF planning, confirming that CDFW is not expecting to reshape this year, and referencing last year's pattern of a six-day window with more of a downwards ramp rather than a faster drop-off. They noted last year's water type for this month was critical, and they chose alternative two.
 - CDFW responded that they are open to looking at those different flow shapes as well. USFWS noted their preference to revisit flow planning in January.

- Flow schedules from last year are included below for consideration:

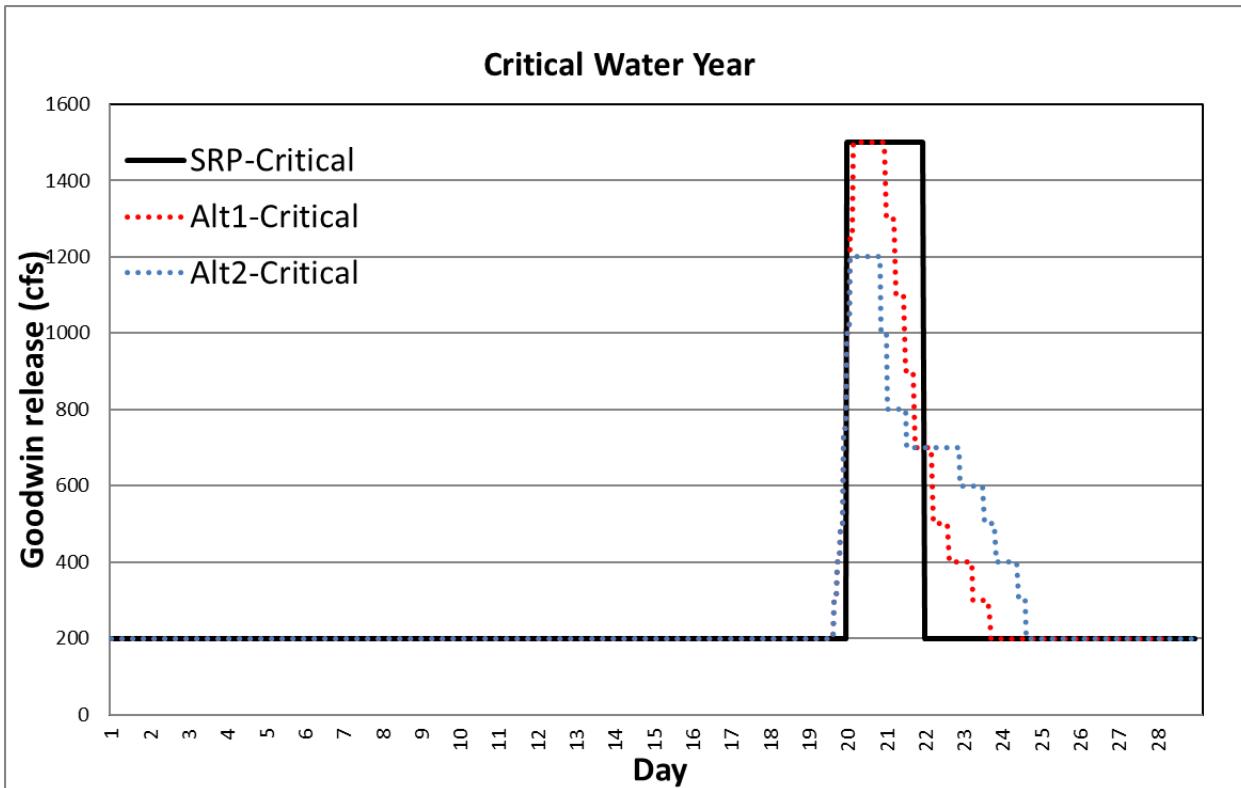


Figure 1. 2024 Flow Schedule

Figure 1 is a graph that shows the Goodwin releases (cfs) and critical water year from 2024. The graph shows the SRP-Critical and two alternatives that have a pattern of a six-day window with more of a downwards ramp rather than a faster drop-off.

Fish Monitoring

CDFW Fish Monitoring

Gretchen Murphey, CDFW, provided updates on current CDFW fish monitoring operations and results.

Chinook salmon carcass and redd surveys

- CDFW began conducting Fall-run and Spring-run Chinook salmon carcass and redd surveys the week of 9/15/2025. Carcass monitoring is still ongoing. They observed that we are likely near the end of the season with numbers of live and tagged fish decreasing. Monitoring will continue until they catch less than 5 fish per week and then they will continue for two weeks.
- Merced River Hatchery has finished spawning. They spawned 274 females as of 12/1/2025, with 12/1/2025 being the end of their season.

Juvenile Fish Monitoring (Mossdale trawl)

- There have been no juvenile salmonid captures since June 2025; updates will resume when juvenile salmonids fish are captured.
 - One adult Chinook was captured in the previous week
- CDFW found golden mussel infestations on equipment at Mossdale.

FISHBIO Updates

Jason Guignard, FISHBIO, provided updates on weir monitoring operations and results.

- Chinook passage has decreased substantially in the last weeks. 7,832 for the season, based on annual and season totals, this has been the largest run since 2017.
- There have been 10 O. mykiss passages this year to date with no passages since 11/16/2025. It is now steelhead monitoring season and hope to get weather and turbidity to get fish moving and potentially trap some fish at the weir. Weir operations will continue as flows allow into late April to mid-May.

PSMFC Updates

- Logan Day shared that PSMFC is currently hiring their crew for the season, anticipating starting the season on 1/5/26 with plans to install screw traps on 1/6 – 1/7/25.
- The finalized Caswell RST annual report and finalized data through 2025 are available through the CalFish and EDI webpages. They can be accessed through the following links:
 - [CalFish Webpage](#) (RST annual reports/ aggregated data)
 - [EDI Webpage](#) (finalized unaggregated data)

Restoration Project Updates

Erika Holcombe, USFWS, provided updates on current restoration projects.

- USFWS is shifting expiring funds from the Buffington project to start baseline studies on the Willow Terrace site in the Jacob Myers Park Recreation Area. They had their first project meeting in December to discuss plans. Cramer Fish Sciences will start surveys in January. Funds are expiring, so their window is January to June to maximize the use of funding they have.
 - Cramer Fish Sciences noted they are planning to begin collecting topography, drones, and vegetation surveys at the end of January; weather and flows dependent.

Discussion

- CDFW asked what Reclamation's restoration and gravel augmentation obligations or commitments are. Reclamation shared that they were unsure due to their quickly changing operations.
- Reclamation CVO responded that no one from Reclamation BDO is on the call, but Mechele will forward the question to BDO.
- USFWS noted that Reclamation is working towards gravel augmentation in the next year. They are trying to collect information for modeling efforts that are required for their permits.

Stanislaus River Forum (SRF)

- The SRF did not meet in December, and Peggy received no comments.

SWRCB Updates

- None

Items to Elevate to WOMT

- None

Next Meeting

Wednesday, January 21, 10:00 am – 12:00 pm.



Stanislaus Watershed Team

10:00 a.m. – 12:00 p.m.

Conference Line: 1 (321) 209-6143; Meeting ID: 247 545 110 667#

Webinar: [Join Microsoft Teams Meeting](#)

Wednesday, December 17, 2025

Agenda

1. Introductions
2. Ground Rules¹
3. Announcements
4. Operations Update and Forecasts/Hydrology – Mechele Pacheco, USBR
5. Temperature Updates– Paula Higginson, NMFS
6. Flow Planning– Peggy Manza, USBR and Gretchen Murphey, CDFW
7. Stanislaus River Forum (SRF) Call – Myrna Girald Pérez, USBR

¹ The Stanislaus Watershed Team's Ground Rules are as follows:

- Seek to understand and respect opposing views and suggestions for change (w/in the parameters of the Guidance Document).
- Seek to leverage collective expertise (including from agencies' & stakeholders' consultants).
- Hold questions/discussion at the discretion of the presenter.
- Honor time limits - keep comments and discussion succinct and focused on meeting objectives as needed.
- Make constructive proposals and suggestions to seek mutually agreeable solutions for all parties.
- Keep a record of discussion and dialogue.
- One speaker at a time
- Take space/make space

8. Fish Monitoring and Studies – CDFW, FISHBIO

9. Restoration Project Updates

a. Erika Holcombe, USFWS

b. USBR

10. Other Discussion Items

11. Items to the Fish and Water Operations Group

12. Review Action Items– Mia Schiappi, Kearns & West

13. Next Meeting: Wednesday, January 21, 2026

Tables for BDO

United States Department of the Interior
 Bureau of Reclamation
 Central Valley Project – California Daily CVP Water Supply Report

December 14, 2025
 Run Date: December 15, 2025

Table 1. Reservoir Releases in Cubic Feet Per Second

Reservoir	Dam	WY 2025	WY 2026	15-Year Median
Trinity	Lewiston	314	305	305
Sacramento	Keswick	4,210	4,153	4,153
Feather	Oroville (SWP)	1,750	1,750	1,750
American	Nimbus	2,028	1,068	1,806
Stanislaus	Goodwin	208	203	206
San Joaquin	Friant	420	501	395

Table 2. Storage in Major Reservoirs in Thousands of Acre-Feet

Reservoir	Capacity	15-Yr Avg	WY 2025	WY 2026	% O 15 Yr Avg
Trinity	2,448	1,317	1,693	1,797	136
Shasta	4,552	2,372	2,855	2,677	113
Folsom	977	402	305	461	115
New Melones	2,420	1,342	1,829	1,654	123
Fed. San Luis	966	425	487	389	92
Total North CVP	11,363	5,857	7,169	6,978	119
Millerton	521	262	213	326	124
Oroville (SWP)	3,425	1,581	1,960	1,742	110

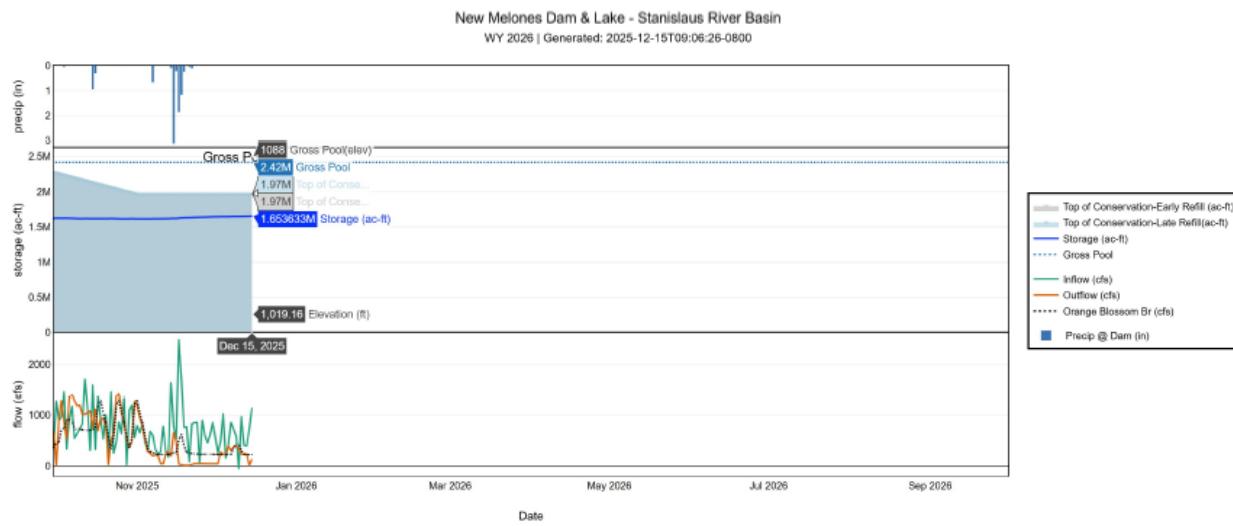
Table 3. Accumulated Inflow for water Year to Date in Thousands of Acre-Feet

Reservoir	Current WY 2026	WY 1977	WY 1983	15-Yr Avg	% O 15 Yr Avg
Trinity	125	22	132	90	139
Shasta	675	569	831	643	105
Folsom	197	98	649	213	92
New Melones	109	N/A	277	99	111

Reservoir	Current WY 2026	WY 1977	WY 1983	15-Yr Avg	% O 15 Yr Avg
Millerton	195	61	350	129	152

Table 4. Accumulated Precipitation for Water Year to Date in Inches

Reservoir	Current WY 2026	WY 1977	WY 1983	Avg (N Yrs)	% of Avg	Last 24 Hours
Trinity at Fish Hatchery	7.41	1.25	12.25	8.88 (65)	83	0.00
Sacramento at Shasta Dam	20.10	1.63	16.37	15.71 (70)	128	0.00
American at Blue Canyon	9.69	3.27	27.97	16.55 (51)	59	0.00
Stanislaus at New Melones	8.89	N/A	11.38	6.38 (48)	139	0.00
San Joaquin at Huntington LK	5.34	1.80	20.00	8.34 (52)	64	0.00



New Melones Dam & Lake – Stanislaus River Basin, 2025-12-15T09:06:26-0800

The graph shows the flow, storage, and precipitation for New Melones Dam and Lake from November 2025 to September 2026. The graph shows storage approximately at 1.6M ac-ft in from November 2025 to December 15, 2025; with an inflow peak over 2500 cfs starting in November 17, 2025.

United States Department of the Interior
 Bureau of Reclamation – Central Valley Project – California

New Melones Lake Daily Operations, November 2025, Run Date: 12/10/2025

Day	Elev	Storage 1000- Acre- Feet in Lake	Storage 1000- Acre- Feet Change	Com- puted Inflow C.F.S.	Release C.F.S. Power	Release C.F.S. Spill	Release C.F.S. Outlet	Evap. C.F.S.	Evap. Inches	Precip Inches
N/A	N/A	1,616.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	1,015.31	1,615.9	-0.7	649	948	0	0	44	0.14	0.00
2	1,015.30	1,615.8	-0.1	805	791	0	0	63	0.20	0.00
3	1,015.28	1,615.6	-0.2	468	516	0	0	50	0.16	0.00
4	1,015.27	1,615.5	-0.1	279	281	0	0	47	0.15	0.00
5	1,015.35	1,616.3	0.8	677	246	0	0	38	0.12	0.00
6	1,015.43	1,617.1	0.8	603	191	0	0	19	0.06	0.67
7	1,015.45	1,617.3	0.2	329	212	0	0	19	0.06	0.01
8	1,015.45	1,617.3	0.0	224	196	0	0	28	0.09	0.00
9	1,015.49	1,617.7	0.4	274	42	0	0	35	0.11	0.00
10	1,015.63	1,619.0	1.4	773	42	0	0	44	0.14	0.00
11	1,015.63	1,619.0	0.0	273	223	0	0	50	0.16	0.00
12	1,015.60	1,618.7	-0.3	172	281	0	0	38	0.12	0.00
13	1,015.89	1,621.6	2.8	1,636	191	0	0	22	0.07	0.10
14	1,015.91	1,621.8	0.2	774	654	0	0	22	0.07	3.12
15	1,015.92	1,621.9	0.1	523	474	0	0	0	0.00	0.22
16	1,016.39	1,626.4	4.6	2,485	35	0	0	136	0.43	1.85
17	1,016.73	1,629.8	3.3	1,701	21	0	0	6	0.02	1.17
18	1,016.88	1,631.2	1.5	754	9	0	0	6	0.02	0.25
19	1,017.03	1,632.7	1.5	764	9	0	0	16	0.05	0.01
20	1,017.04	1,632.8	0.1	77	9	0	0	19	0.06	0.05
21	1,017.20	1,634.4	1.6	824	27	0	0	6	0.02	0.11
22	1,017.36	1,635.9	1.6	850	43	0	0	16	0.05	0.01
23	1,017.52	1,637.5	1.6	853	43	0	0	19	0.06	0.00
24	1,017.52	1,637.5	0.0	61	42	0	0	19	0.06	0.00

Day	Elev	Stor- age 1000- Acre- Feet in Lake	Storage 1000- Acre- Feet Change	Com- puted Inflow C.F.S.	Release C.F.S. Power	Release C.F.S. Spill	Release C.F.S. Outlet	Evap. C.F.S.	Evap. Inches	Precip Inches
25	1,017.69	1,639.2	1.7	893	43	0	0	10	0.03	0.00
26	1,017.80	1,640.3	1.1	599	42	0	0	13	0.04	0.00
27	1,017.88	1,641.0	0.8	450	42	0	0	13	0.04	0.00
28	1,017.99	1,642.1	1.1	602	42	0	0	16	0.05	0.00
29	1,018.15	1,643.7	1.6	852	42	0	0	16	0.05	0.00
30	1,018.25	1,644.7	1.0	563	42	0	0	25	0.08	0.00
Totals	N/A	N/A	28.4	20,787	5,779	0	0	855	2.71	7.57
Acre- Feet	N/A	N/A	28,400	41,231	11,463	0	0	1,696	N/A	N/A

Comments:

* Computed inflow is the sum of change in storage, releases, and evaporation.

Summary Precipitation

This Month	7.57
October 1, 2025 to Date	N/A
October 1, 2025 to Date	8.89

Summary: Release (acre- feet)

Release (acre-feet)	N/A
Power	11,463
Spill	0
Outlet	0
Total	11,463

United States Department of the Interior
 Bureau of Reclamation – Central Valley Project – California

New Melones Lake Daily Operations, December 2025, Run Date: 12/15/2025

Day	Elev	Storage 1000- Acre- Feet in Lake	Storage 1000- Acre- Feet Change	Compu- ted Inflow C.F.S.	Release C.F.S. Power	Re- lease C.F.S. Spill	Re- lease C.F.S. Outlet	Evap. C.F.S.	Evap. Inches	Precip. Inches
N/A	N/A	1,644.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	1,018.29	1,645.1	0.4	247	42	0	0	6	0.02	0.00
2	1,018.33	1,645.5	0.4	474	269	0	0	6	0.02	0.00
3	1,018.49	1,647.0	1.6	1,024	224	0	0	6	0.02	0.00
4	1,018.47	1,646.8	-0.2	154	247	0	0	6	0.02	0.00
5	1,018.47	1,646.8	0.0	408	389	0	0	19	0.06	0.00
6	1,018.58	1,647.9	1.1	851	299	0	0	6	0.02	0.00
7	1,018.65	1,648.6	0.7	722	372	0	0	3	0.01	0.00
8	1,018.69	1,649.0	0.4	581	380	0	0	3	0.01	0.00
9	1,018.61	1,648.2	-0.8	-55	339	0	0	3	0.01	0.00
10	1,018.76	1,649.7	1.5	971	224	0	0	3	0.01	0.00
11	1,018.79	1,650.0	0.3	402	237	0	0	16	0.05	0.00
12	1,018.82	1,650.3	0.3	389	230	0	0	10	0.03	0.00
13	1,018.96	1,651.7	1.4	714	14	0	0	6	0.02	0.00
14	1,019.16	1,653.6	2.0	1,128	123	0	0	10	0.03	0.00
Totals	N/A	N/A	9.1	8,010	3,389	0	0	103	0.33	0.00
Acre- Feet	N/A	N/A	9,100	15,888	6,722	0	0	204	N/A	N/A

Comments:

* Computed inflow is the sum of change in storage, releases, and evaporation.

Summary Precipitation

This Month	0.00
October 1, 2025 to Date	N/A
October 1, 2025 to Date	8.89

Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	6,722
Spill	0
Outlet	0
Total	6,722

United States Department of the Interior
 Bureau of Reclamation – Central Valley Project – California

Tulloch Reservoir Daily Operations, November 2025, Run Date: 12/10/2025

Day	Elev	Storage (Acre Feet) Reservoir	Storage (Acre- Feet) Change	Computed Inflow C.F.S.	New Melones Release	Releas e C.F.S. Power	Release C.F.S. Spill	Release C.F.S. Outlet	Evap. C.F.S. (1)
N/A	N/A	56,365	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	500.98	56,365	0	962	948	957	0	0	5
2	500.95	56,333	-32	758	791	767	0	0	7
3	501.11	56,508	175	516	516	422	0	0	6
4	501.15	56,552	44	274	281	247	0	0	5
5	501.23	56,641	89	259	246	210	0	0	4
6	501.17	56,575	-66	179	191	210	0	0	2
7	501.14	56,541	-34	195	212	210	0	0	2
8	501.10	56,497	-44	191	196	210	0	0	3
9	500.76	56,127	-370	27	42	210	0	0	4
10	500.41	55,747	-380	24	42	211	0	0	5
11	500.40	55,737	-10	213	223	212	0	0	6
12	500.51	55,856	119	277	281	213	0	0	4
13	500.73	56,094	238	337	191	215	0	0	2
14	501.80	57,269	1,175	807	654	212	0	0	3
15	502.36	57,893	624	527	474	212	0	0	0
16	503.48	59,157	1,264	865	35	212	0	0	16
17	504.70	60,560	1,403	921	21	213	0	0	1
18	504.65	60,502	-58	184	9	212	0	0	1
19	504.38	60,190	-312	57	9	212	0	0	2
20	504.10	59,866	-324	51	9	212	0	0	2
21	503.81	59,533	-333	45	27	212	0	0	1
22	503.54	59,226	-307	59	43	212	0	0	2
23	503.27	58,918	-308	60	43	213	0	0	2
24	502.91	58,509	-409	47	42	251	0	0	2
25	502.58	58,140	-369	47	43	232	0	0	1
26	502.29	57,815	-325	50	42	213	0	0	1
27	501.98	57,468	-347	39	42	213	0	0	1
28	501.67	57,126	-342	43	42	213	0	0	2
29	501.37	56,795	-331	47	42	212	0	0	2
30	501.05	56,442	-353	37	42	212	0	0	3
Totals	N/A	N/A	77	8,098	5,779	7,962	0	0	97

Day	Elev	Storage (Acre Feet) Reservoir	Storage (Acre- Feet) Change	Computed Inflow C.F.S.	New Melones Release	Releas e C.F.S. Power	Release C.F.S. Spill	Release C.F.S. Outlet	Evap. C.F.S. (1)
Acre- Feet	N/A	N/A	77	16,062	11,463	15,793	0	0	192

Comments:

* Computed inflow is the sum of change in storage, releases, and evaporation.

(1) Evaporation records taken from New Melones Pan.

Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	15,793
Spill	0
Outlet	0
Total	15,793

United States Department of the Interior
 Bureau of Reclamation – Central Valley Project – California

Tulloch Reservoir Daily Operations, October 2025, Run Date: 10/10/2025

Day	Elev	Storage (Acre-Feet) Res.	Storage (Acre-Feet) Change	Computed Inflow C.F.S.	New Melones Release	Release C.F.S. Power	Release C.F.S. Spill	Release C.F.S. Outlet	Evap. C.F.S. (1)
N/A	N/A	56,442	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	500.70	56,062	-380	42	42	233	0	0	1
2	500.76	56,127	65	284	269	250	0	0	1
3	500.84	56,214	87	293	224	248	0	0	1
4	500.90	56,279	65	276	247	242	0	0	1
5	501.29	56,707	428	486	389	268	0	0	2
6	501.41	56,839	132	335	299	267	0	0	1
7	501.34	56,762	-77	406	372	445	0	0	0
8	504.35	60,155	3,393	2,141	380	430	0	0	0
9	501.23	56,641	-3,514	-1,344	339	428	0	0	0
10	501.20	56,608	-33	251	224	268	0	0	0
11	501.25	56,663	55	283	237	253	0	0	2
12	501.26	56,674	11	260	230	253	0	0	1
13	500.86	56,235	-439	37	14	257	0	0	1
14	500.65	56,008	-227	146	123	259	0	0	1
Totals	NA	NA	-434	3,896	3,389	4,101	0	0	12
Acre-Feet	NA	NA	-434	7,728	6,722	8,134	0	0	24

Comments:

* Computed inflow is the sum of change in storage, releases, and evaporation.
 (1) Evaporation records taken from New Melones Pan.

Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	8,134
Spill	0
Outlet	0
Total	8,134

Oakdale Irrigation District South San Joaquin Irrigation
District Tri Dams Project-California

Goodwin Reservoir Daily Operations, November 2025, Run Date: 12/10/2025

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre-Feet) Change	Tulloch Release	Release C.F.S. – River Outlet	Release C.F.S. – Spill	Canals- Joint Main	Canals – South Main
N/A	N/A	563	N/A	N/A	N/A	N/A	N/A	N/A
1	360.27	556	-7	957	0	1,014	0	0
2	360.16	548	-8	767	0	700	0	0
3	359.91	531	-17	422	0	461	0	0
4	359.81	524	-7	247	0	265	0	0
5	359.79	522	-2	210	0	218	0	0
6	359.79	522	0	210	0	211	0	0
7	359.79	522	0	210	0	210	0	0
8	359.79	522	0	210	0	210	0	0
9	359.79	522	0	210	0	209	0	0
10	359.80	523	1	211	0	212	0	0
11	359.80	523	0	212	0	211	0	0
12	359.79	522	-1	213	0	212	0	0
13	359.82	524	2	215	0	226	0	0
14	359.79	522	-2	212	0	217	0	0
15	359.82	524	2	212	0	215	0	0
16	359.79	522	-2	212	0	245	0	0
17	359.79	522	0	213	0	249	0	0
18	359.78	522	0	212	0	217	0	0
19	359.78	522	0	212	0	211	0	0
20	359.78	522	0	212	0	209	0	0
21	359.78	522	0	212	0	209	0	0
22	359.77	521	-1	212	0	209	0	0
23	359.78	522	1	213	0	209	0	0
24	359.78	522	0	251	0	201	0	0
25	359.78	522	0	232	0	204	0	0

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre-Feet) Change	Tulloch Release	Release C.F.S. – River Outlet	Release C.F.S. – Spill	Canals- Joint Main	Canals – South Main
26	359.78	522	0	213	0	208	0	0
27	359.78	522	0	213	0	210	0	0
28	359.78	522	0	213	0	209	0	0
29	359.78	522	0	212	0	209	0	0
30	359.78	522	0	212	0	209	0	0
Totals	N/A	N/A	-41	7,962	0	7,999	0	0
Acre-Feet	N/A	N/A	-41	15,793	0	15,866	0	0

Joint Main Operated by SSJID and OID.

Summary: Release (acre-feet)

Joint Main Canal	9,342
South Main Canal	5,371
Outlet	0
Spill	15,866
Total	15,866

Oakdale Irrigation District South San Joaquin Irrigation
District Tri Dams Project-California

Goodwin Reservoir Daily Operations, December 2025, Run Date: 12/15/2025

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre-Feet) Change	Tullock Release	Release C.F.S. – River Outlet	Release C.F.S. – Spill	Canals- Joint Main	Canals- South Main
N/A	N/A	563	N/A	N/A	N/A	N/A	N/A	N/A
1	359.77	521	-1	233	0	202	0	0
2	359.77	521	0	250	0	203	0	0
3	359.77	521	0	248	0	202	0	0
4	359.77	521	0	242	0	201	0	0
5	359.77	521	0	268	0	203	0	0
6	359.77	521	0	267	0	202	0	0
7	359.91	531	10	445	0	391	0	0
8	359.90	530	-1	430	0	401	0	0
9	359.90	530	0	428	0	401	0	0
10	359.76	520	-10	268	0	226	0	0
11	359.76	520	0	253	0	202	0	0
12	359.76	520	0	253	0	202	0	0
13	359.76	520	0	257	0	202	0	0
14	359.76	520	0	259	0	203	0	0
Totals	N/A	N/A	-2	4,101	0	3,441	0	0
Acre-Feet	N/A	N/A	-2	8,134	0	6,825	0	0

Joint Main Operated by SSJID and OID.

Summary: Release (acre-feet)

Joint Main Canal	0
South Main Canal	0
Outlet	0
Spill	6,825
Total	6,825

Table 5. New Melones 50% Exceedance

Month	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Storage (TAF)	1661	1713	1751	1816	1791	1789	1751	1686	1631	1586	1536	1548
Releases (TAF)	24	12	37	43	146	157	151	110	90	77	82	22
Inflow (TAF)	40	66	76	110	125	161	119	53	42	38	35	35
GW Releases (CFS)	220	200	497	523	898	879	802	200	200	200	635	200

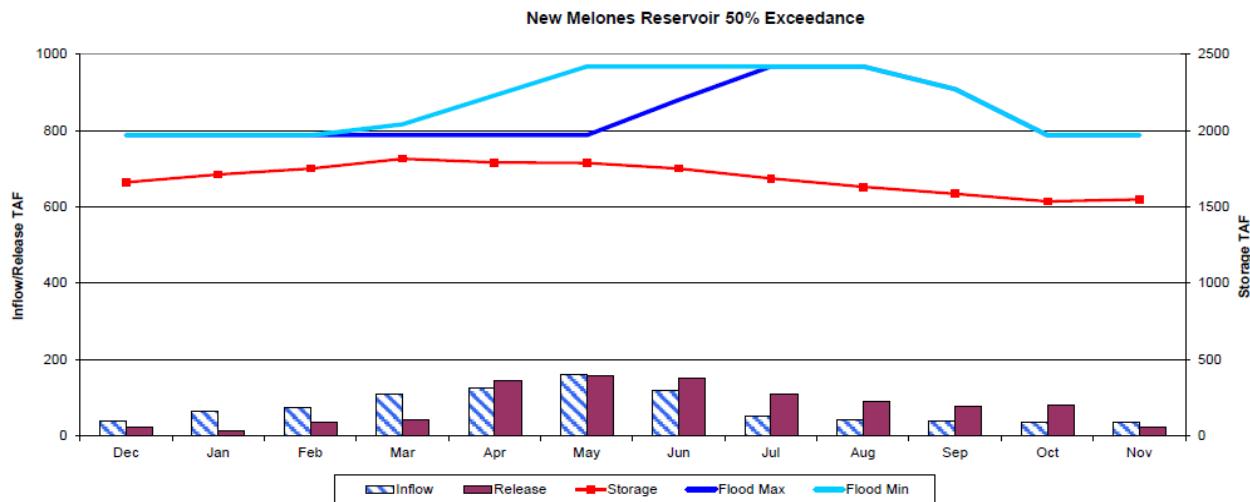


Figure 1. New Melones Reservoir 50% Exceedance

Figure 1 is a graph that shows the New Melones Reservoir 50% Exceedance. The graph shows the New Melones Reservoir inflow and release as a bar graph for each month between December 2024 – November 2025 and a line graph of the reservoir storage, flood maximum and flood minimum flows.

Table 6. New Melones 90% Exceedance

Month	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Storage (TAF)	1651	1658	1658	1674	1598	1507	1418	1332	1267	1214	1157	1154
Releases (TAF)	24	12	25	23	120	127	114	107	87	74	79	22
Inflow (TAF)	30	21	26	41	49	41	31	28.308 88	28	26	25	20
GW Releases (CFS)	220	200	293	200	460	400	190	150	150	150	577	200

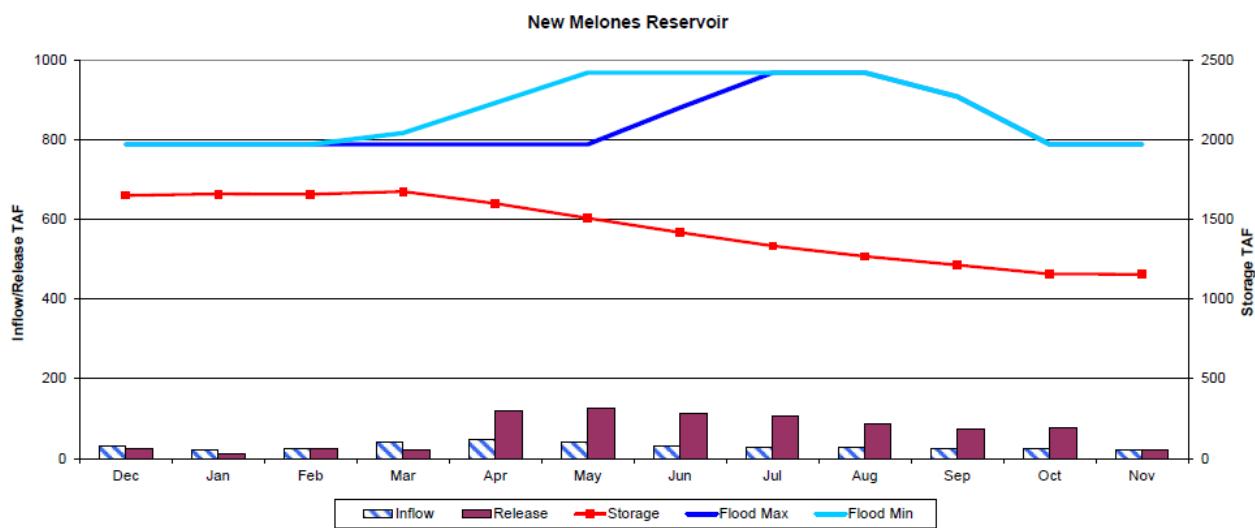


Figure 2. New Melones Reservoir 90% Exceedance

Figure 2 is a graph that shows the New Melones Reservoir 90% Exceedance. The graph shows the New Melones Reservoir inflow and release as a bar graph for each month between December 2024 – November 2025 and a line graph of the reservoir storage, flood maximum and flood minimum flows.

December 2025 Water Temperature and Fish Monitoring Update

Year-to-Date Flows

Goodwin releases since October 1, 2025, are shown in Figure 3.

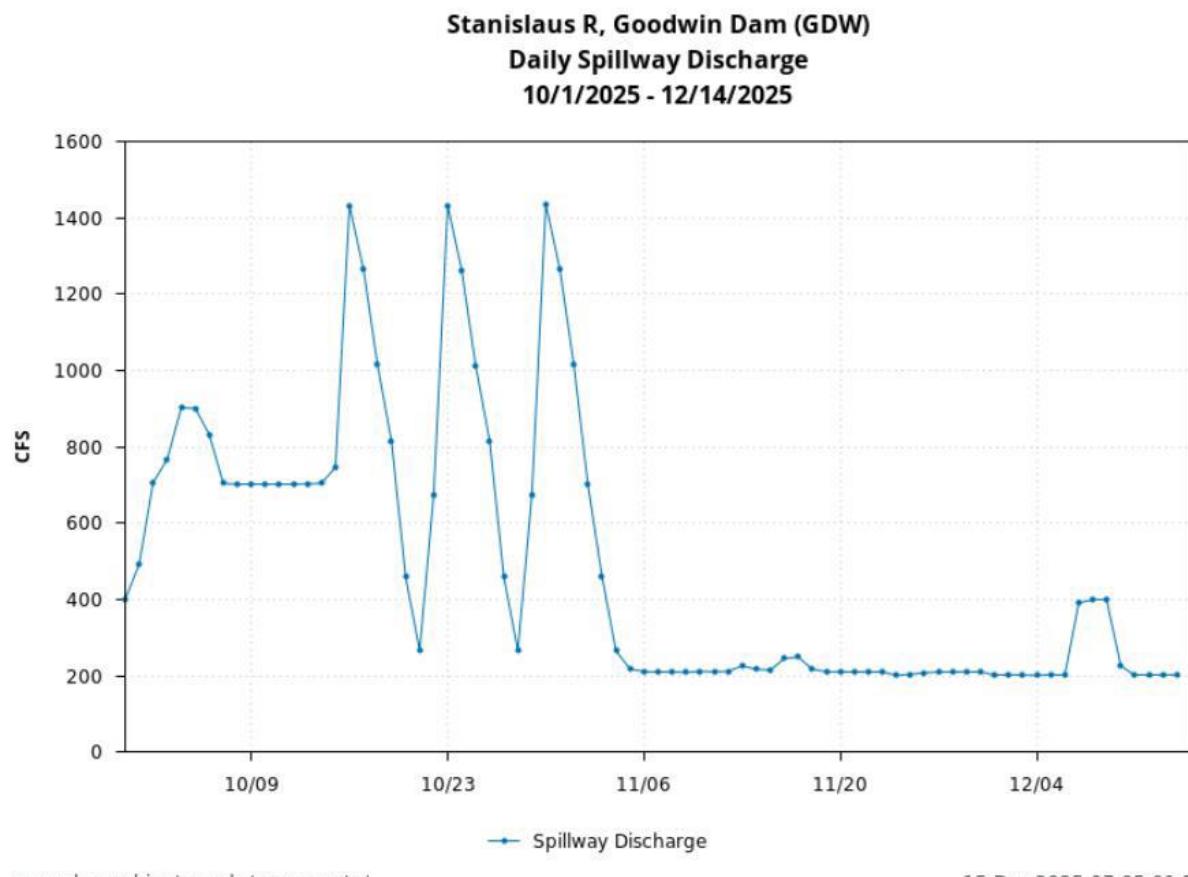


Figure 3. Goodwin (daily) releases to the Stanislaus River since October 1 (water year). Data from GDW station on CDEC.

Figure 3 is a line graph showing Goodwin Dam daily spillway discharge. The graph shows an increase from 400 cfs to 900 cfs starting on October 1, 2025 to October 5, 2025, followed by three peaks to over 1400 cfs on October 17, 23, 29. The spillway discharge drops to about 200 cfs throughout late November 2025, with an increase to 400 cfs in December 7th through December 9th, 2025.

Water Temperature

The temperature thresholds included in Figures 2-10, below, are the thresholds used in the 2024 NMFS LTO BiOp1 (see Incidental Take Statement on p. 896-897) to define the extent of take anticipated from water temperature effects in the Stanislaus River. It is important to note that many of the temperature figures provide subdaily information or information at locations other than Orange Blossom Bridge and thus don't reflect the specific metrics for

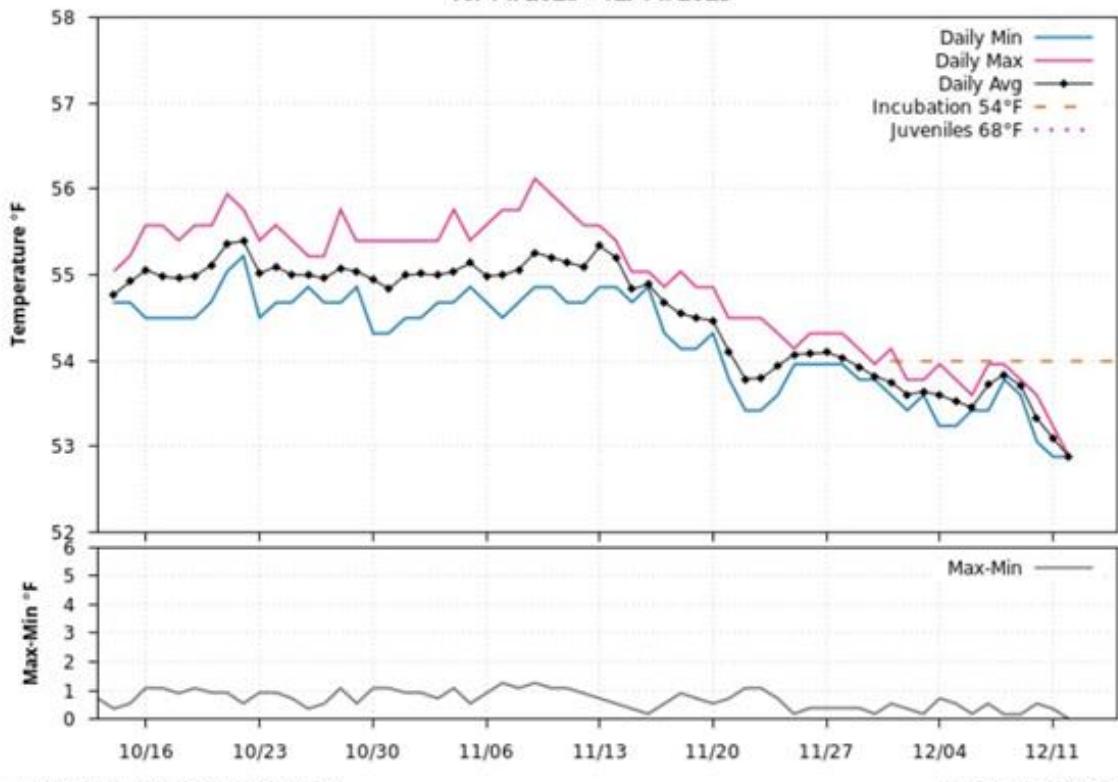
take in the 2024 NMFS LTO BiOp. Temperature thresholds have been added to these figures at the request of Stanislaus Watershed Team members to provide a general reference of water temperature suitability.

Water temperatures in the Stanislaus River since October 2025 are shown below at Goodwin Canyon (Figure 4), Orange Blossom Bridge (Figure 5), and at Ripon (Figure 6). Water temperatures in the San Joaquin River since October 2025 are shown below at Vernalis (Figure 7). Current-year water temperatures are plotted along with historical temperatures for upstream of Orange Blossom Bridge (Figure 8), Ripon (Figure 9), and Vernalis (Figure 10). A compilation of Stanislaus River water temperatures and Goodwin releases Water Year 2026 is provided in Figure 11.

Stanislaus R b/w Goodwin Dam nr Knights Ferry USGS (11302000)

Water Temperature

10/14/2025 - 12/14/2025



www.cbr.washington.edu/sacramento/

15 Dec 2025 07:05:02 PST

Figure 4. Daily water temperatures on the Stanislaus River upstream of Knights Ferry since October 14, 2025. Data from USGS gage 11302000 on NWIS; temperature threshold reference line added by SWT.

Chart: Stacked chart for daily water temperatures Stanislaus River upstream of Knights Ferry for current 60 days period. Top chart: Daily Min, Max and average water temperatures (in degrees Fahrenheit). Bottom chart: Daily difference between Max and Min measured water temperature in degrees Fahrenheit. Data from OBB station retrieved from CDEC; figure generated by SacPAS (including date-based water temperature threshold reference lines).

Stanislaus R at Orange Blossom Bridge (OBB)

Water Temperature

10/14/2025 - 12/14/2025

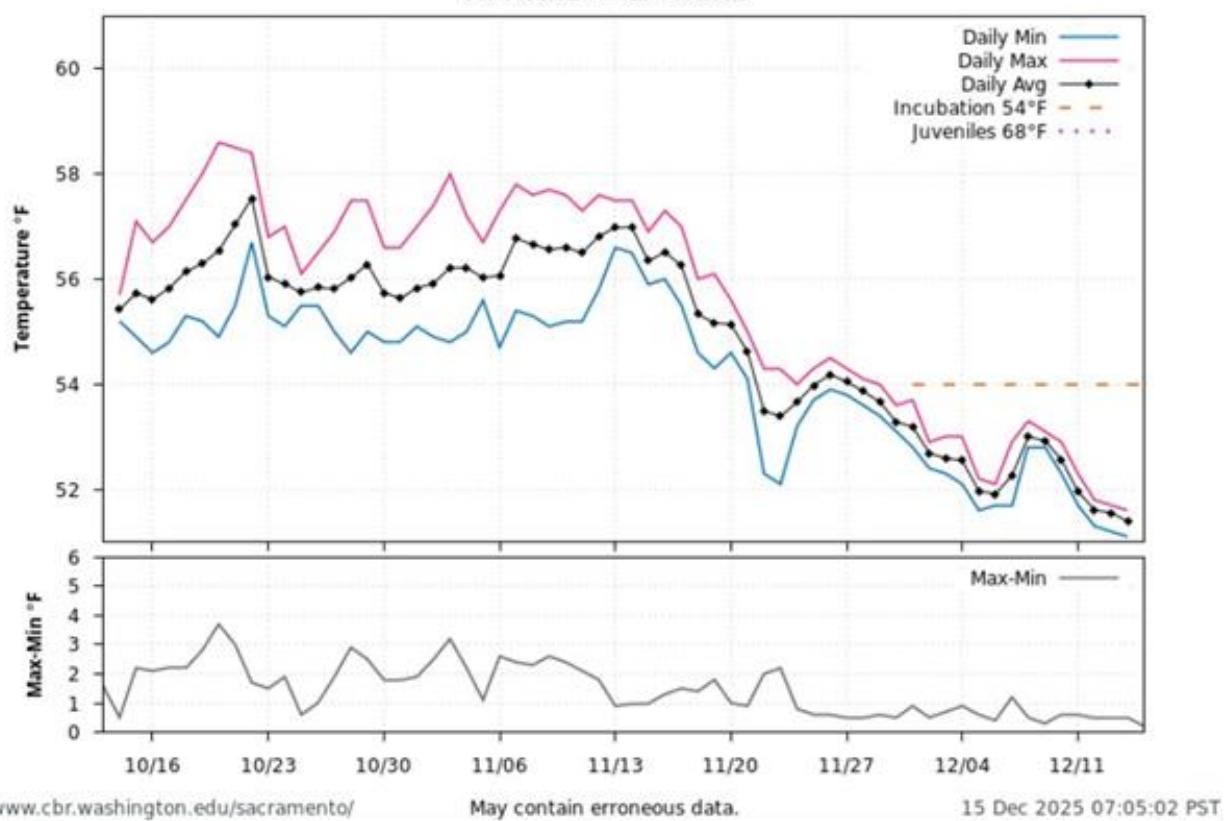


Figure 5. Stanislaus (hourly) water temperatures at Orange Blossom Bridge since October 14, 2025. Data from OBB station on CDEC. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the data should be noted as unreliable.

Chart: Stacked chart for daily water temperatures Stanislaus River at Orange Blossom Bridge for current 60 days period. Top chart: Daily Min, Max and average water temperatures (in degrees Fahrenheit). Bottom chart: Daily difference between Max and Min measured water temperature in degrees Fahrenheit. Data from OBB station retrieved from CDEC; figure generated by SacPAS (including date-based water temperature threshold reference lines). For more information, please call (916) 414-2400.

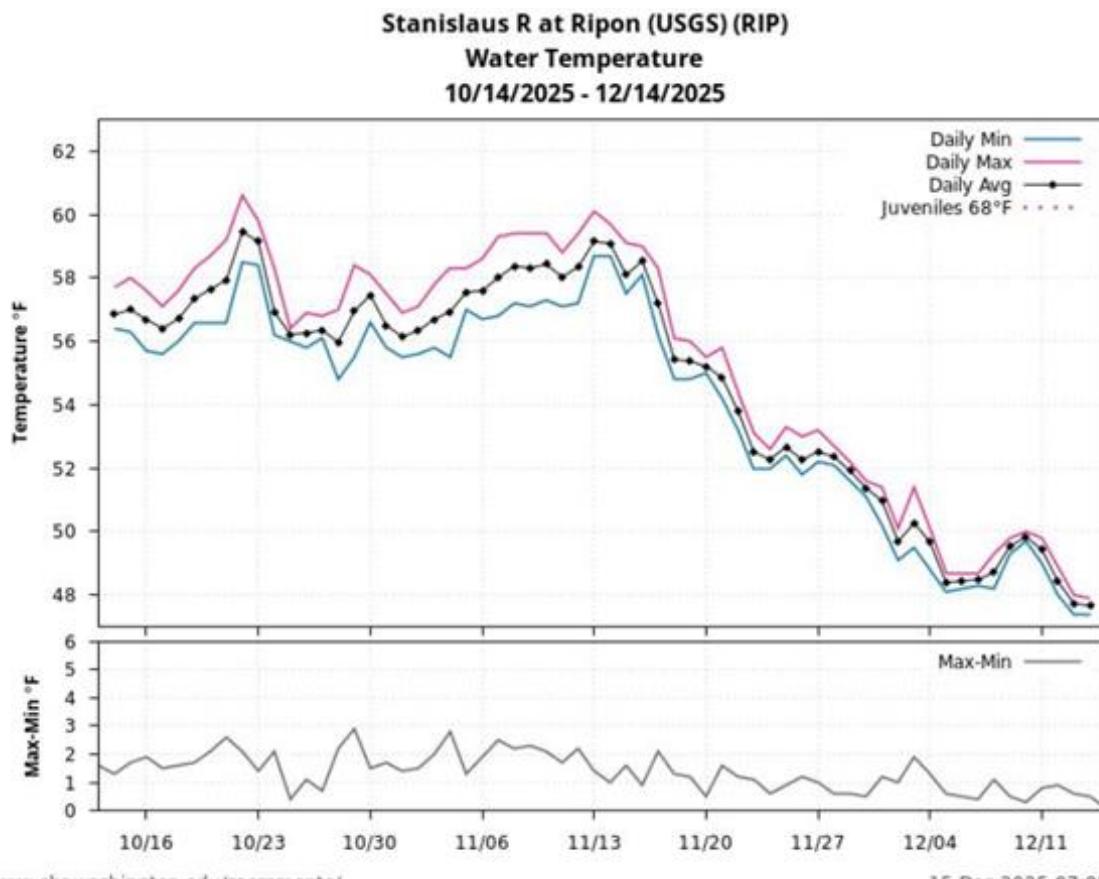


Figure 6. Stanislaus water temperatures at Ripon since October 14, 2025. Data from RIP station on CDEC.

Chart: Stacked chart for daily water temperatures Stanislaus River at Ripon for current 60 days period. Top chart: Daily Min, Max and average water temperatures (in degrees Fahrenheit). Bottom chart: Daily difference between Max and Min measured water temperature in degrees Fahrenheit. Data from OBB station retrieved from CDEC; figure generated by SacPAS (including date-based water temperature threshold reference lines).

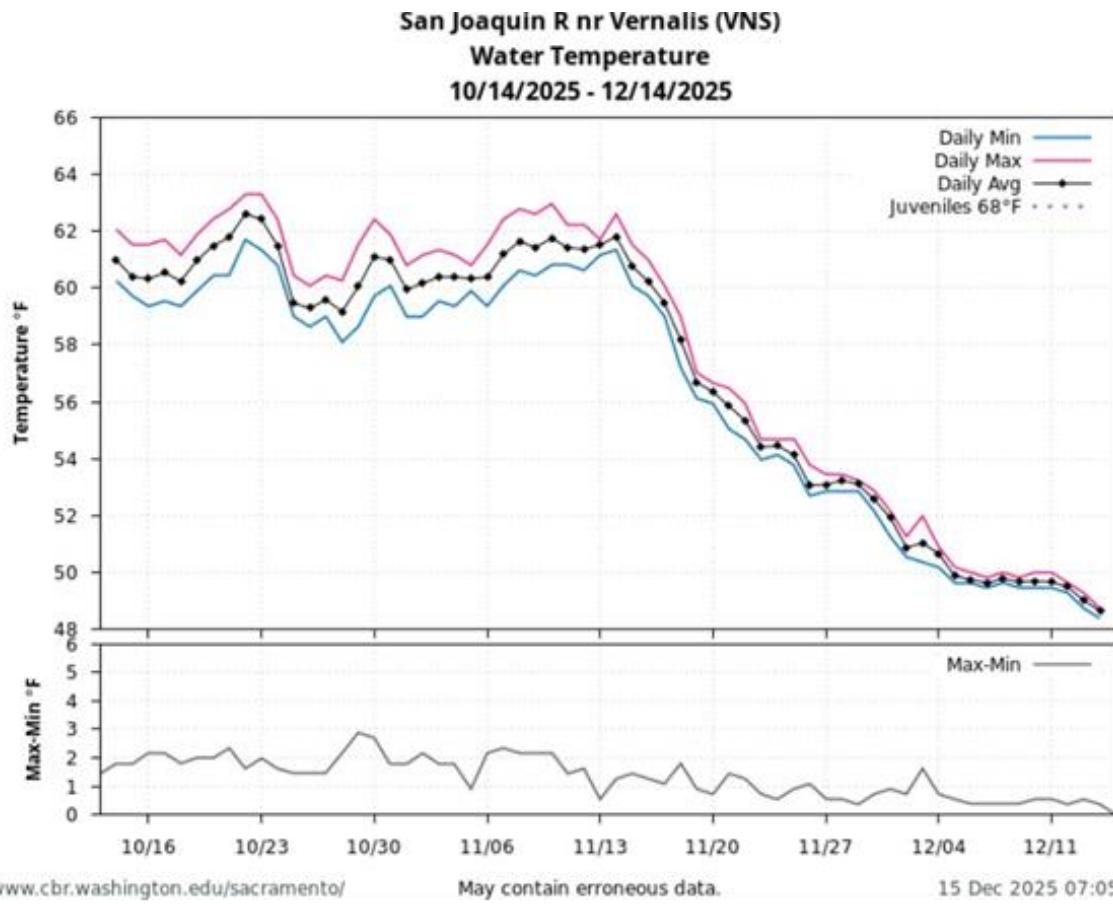


Figure 7. San Joaquin River (15-minute) water temperatures at Vernalis since October 14, 2025. Data from VNS station on CDEC.

Chart: Stacked chart for daily water temperatures Stanislaus River at Vernalis for current 60 days period. Top chart: Daily Min, Max and average water temperatures (in degrees Fahrenheit). Bottom chart: Daily difference between Max and Min measured water temperature in degrees Fahrenheit. Data from OBB station retrieved from CDEC; figure generated by SacPAS (including date-based water temperature threshold reference lines).

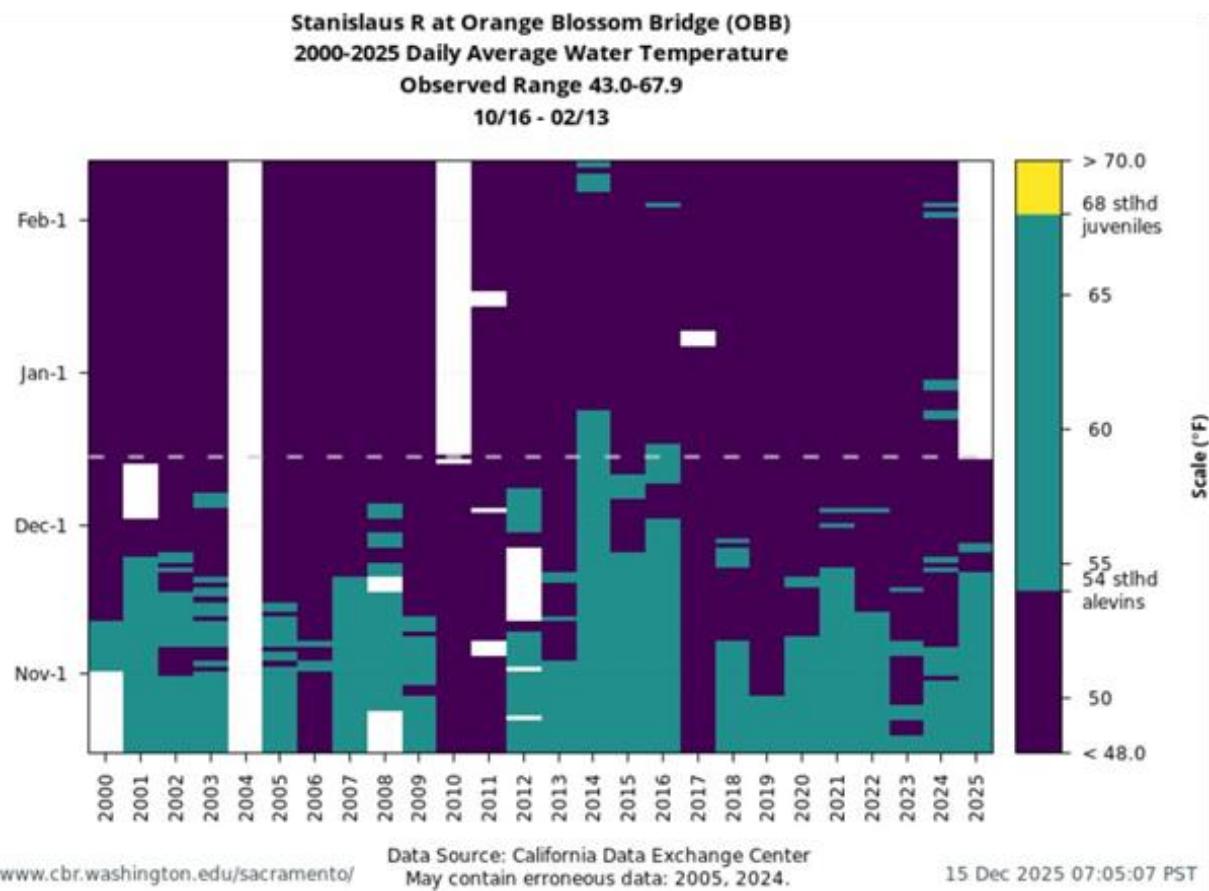


Figure 8. Stanislaus River water temperatures at Orange Blossom Bridge for WY 2001 to present. [Data from SacPAS website](#); temperature threshold reference lines added by SWT. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the date should be noted as unreliable.

Figure 8 is a bar chart showing water temperatures at Orange Blossom Bridge for WY 2001 to present for October to February. The chart shows that during this time, the daily average water temperature was mostly below 54 degrees Fahrenheit from late November to February.

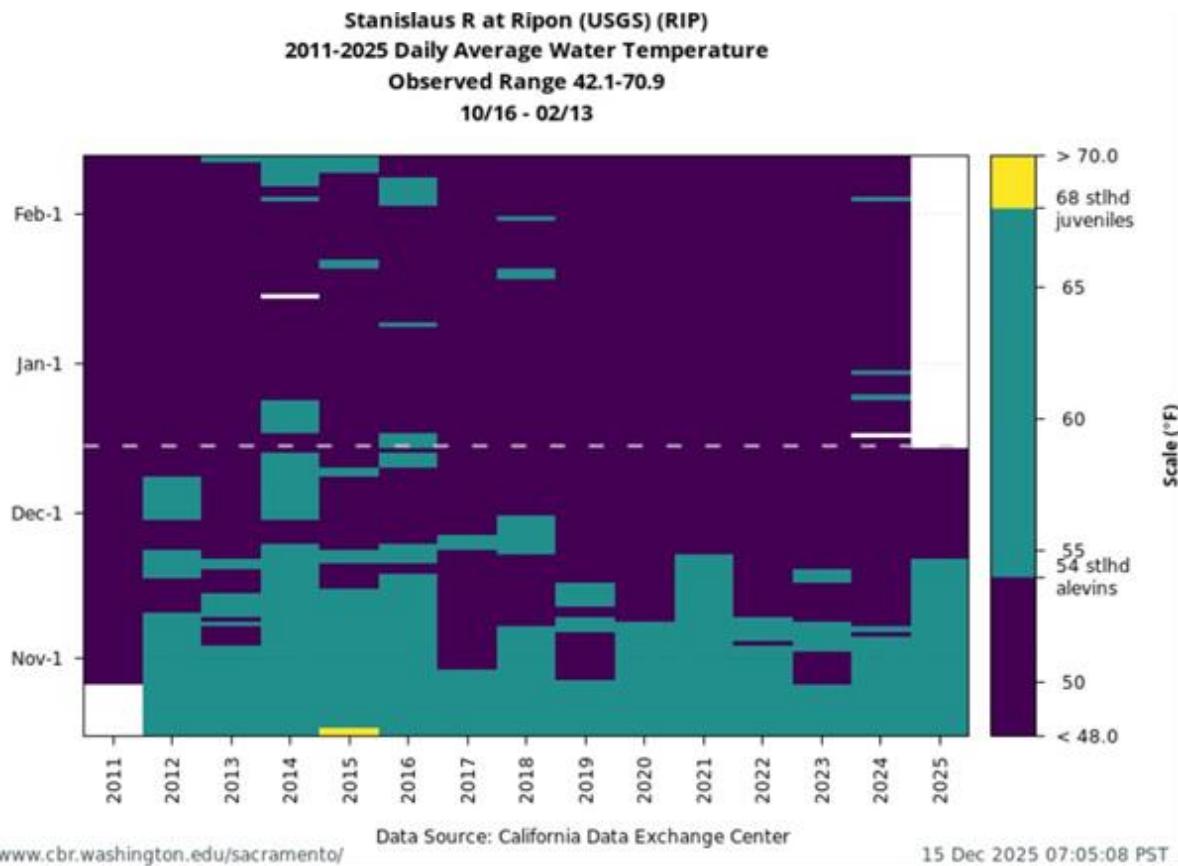


Figure 9. Stanislaus River water temperatures at Ripon for WY 2012 to present. Figure from [SacPAS website](#) using RIP station data from CDEC; temperature threshold reference line added by SWT.

Figure 9 is a bar chart showing water temperatures at Ripon for WY 2012 to present for October to February. The chart shows that during this time, the daily average water temperature was mostly below 54-degrees Fahrenheit from late November through February. Temperatures in late October 2025 were above 68-degrees Fahrenheit for a short period.

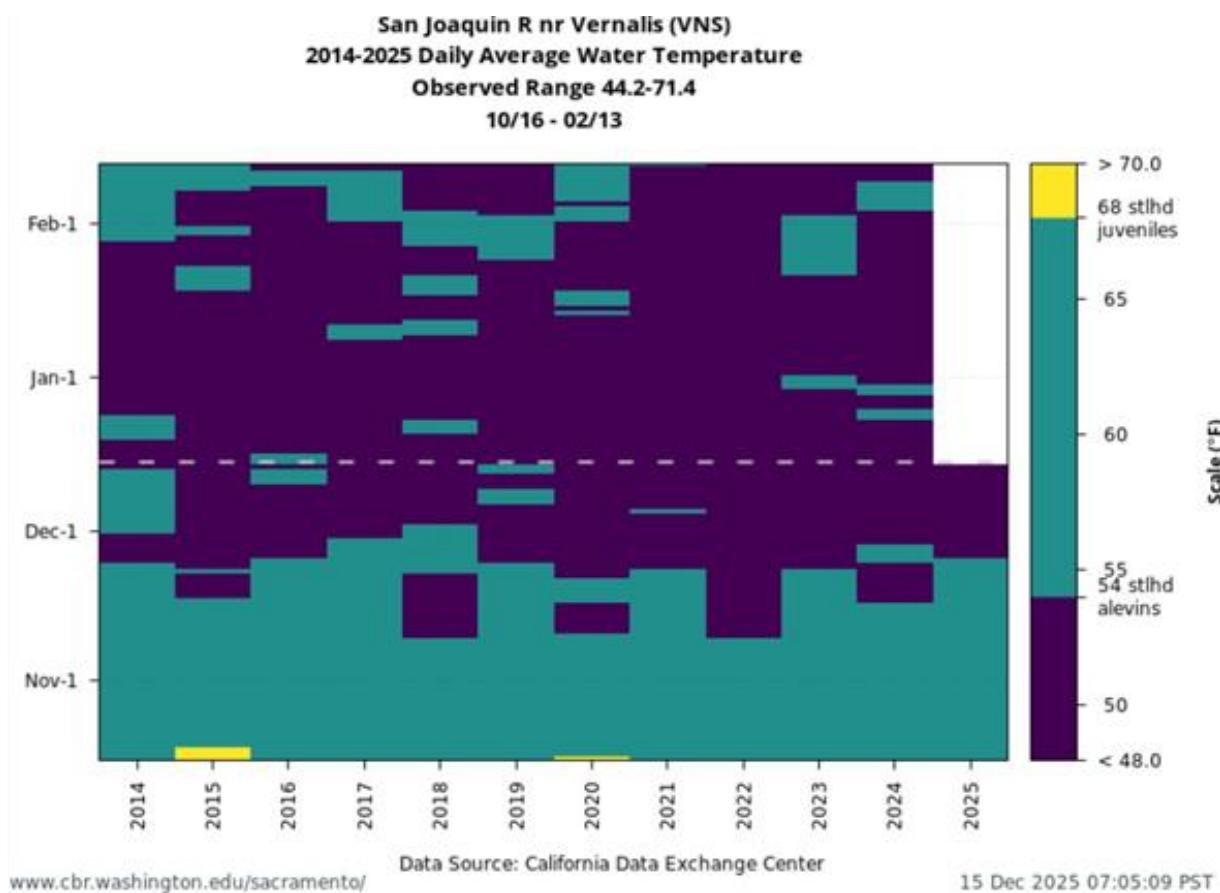


Figure 10. San Joaquin River water temperatures at Vernalis for WY 2015 to present. Figure from [SacPAS website](#) using VNS station data from CDEC; temperature threshold reference line added by SWT.

Figure 10 is a bar chart showing water temperatures at Vernalis for WY 2015 to present for October to February. The chart shows that during this time, the daily average water temperature was below 54 degrees Fahrenheit starting in December through early February, and above 54 degrees Fahrenheit in November and early February.

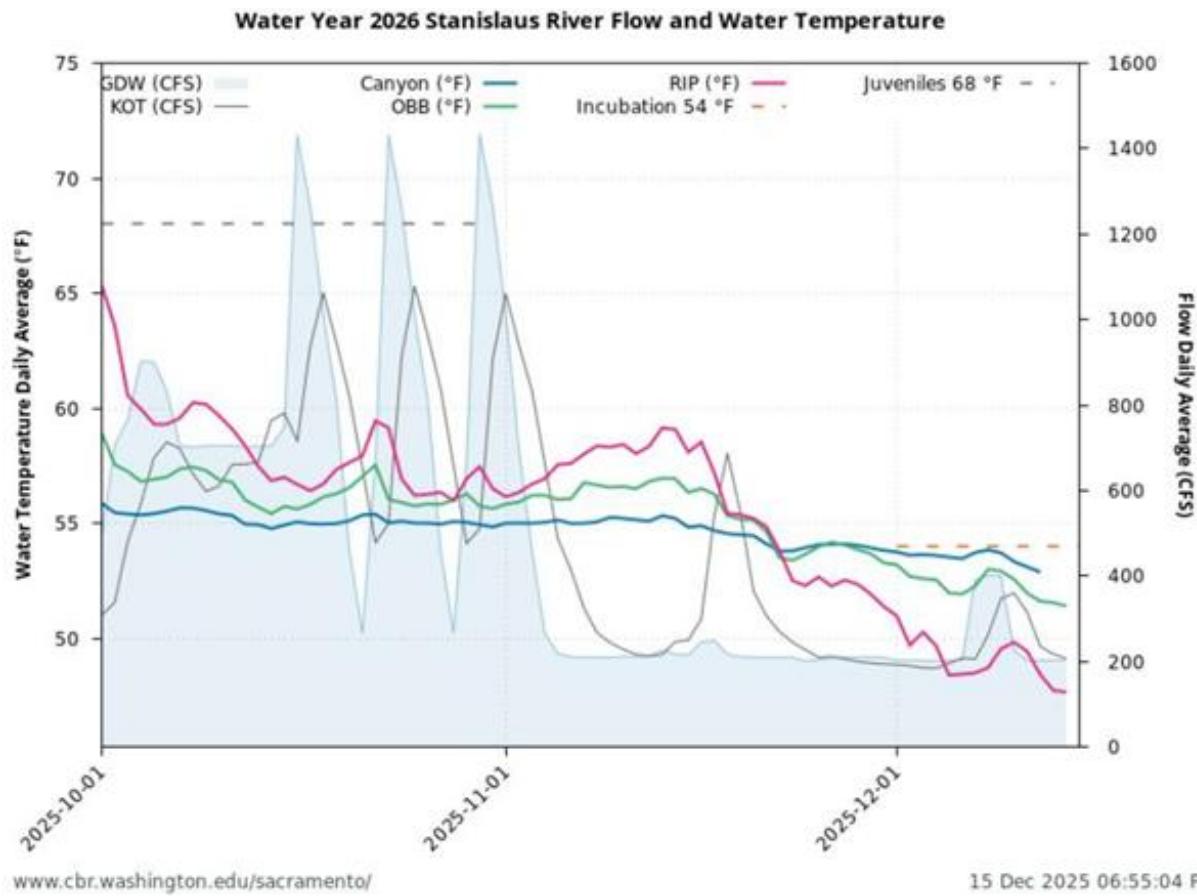


Figure 11. Stanislaus River flow and water temperatures from October 1, 2025 to December 15, 2025. [Data \(including temperature threshold reference lines\)](#) from SacPAS. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the data should be noted as unreliable.

Figure 11 is a line chart showing river flow and water temperatures on the Stanislaus River. The graph shows decreasing temperatures and flow from October 1, 2025 to mid-December 2025.

CDFW and USBR

Updates on Flow Planning

To be shared/discussed at the meeting.

CDFW Update

Update on Fish Monitoring (Adults)

The California Department of Fish & Wildlife (CDFW) began conducting fall-run and spring-run Chinook salmon carcass and redd survey the week of September 15, 2025 for the Stanislaus, Tuolumne and Merced Rivers. Carcass survey data for all three San Joaquin River tributaries through the week of December 8, 2025 are reported in Table 7.

Spawning at the Merced River Hatchery began the week of 10/27/2025 and ended 12/1/2025 274 females were spawned.

Table 7: Data from the fall 2025 CDFW carcass survey for the San Joaquin tributaries. Preliminary Data-subject to change.

River	Week	Date	# Live	# Redd	# Skeletons	# Tagged	# Ad-Clipped	# Scale Samples	# Recovered	Average Flow (cfs)
Stanislaus	1	9/15/2025	20	9	6	5	5	6	0	200
Stanislaus	2	9/22/2025	47	36	2	1	1	2	3	200
Stanislaus	3	9/29/2025	140	92	1	7	6	8	0	500
Stanislaus	4	10/6/2025	163	108	4	19	20	21	0	700
Stanislaus	5	10/13/2025	83	92	7	27	26	30	4	900
Stanislaus	6	10/20/2025	154	70	13	9	14	14	9	383
Stanislaus	7	10/27/2025	800	397	12	19	9	22	6	333
Stanislaus	8	11/3/2025	1788	818	37	144	36	145	6	292
Stanislaus	9	11/10/2025	1751	915	703	346	57	346	50	216
Stanislaus	10	11/17/2025	622	553	405	156	32	156	82	318
Stanislaus	11	11/24/2025	749	952	737	250	47	250	206	200
Stanislaus	12	12/1/2025	237	481	481	149	37	149	216	200
Stanislaus	13	12/8/2025	59	228	163	20	4	20	144	300
Tuolumne	1	9/15/2025	348	28	1	1	2	2	0	200
Tuolumne	2	9/22/2025	476	75	6	14	19	19	0	200
Tuolumne	3	9/29/2025	465	173	70	107	139	146	3	180
Tuolumne	4	10/6/2025	300	109	27	141	149	163	45	200

River	Week	Date	# Live	# Redds	# Skeletons	# Tagged	# Ad-Clipped	# Scale Samples	# Recovered	Average Flow (cfs)
Tuolumne	5	10/13/2025	83	94	37	105	110	124	82	440
Tuolumne	6	10/20/2025	53	49	18	7	13	10	39	990
Tuolumne	7	10/27/2025	297	119	17	0	0	0	20	230
Tuolumne	8	11/3/2025	774	265	9	20	3	22	5	230
Tuolumne	9	11/10/2025	948	511	90	163	12	163	6	230
Tuolumne	10	11/17/2025	652	337	171	146	28	149	50	230
Tuolumne	11	11/24/2025	335	598	289	154	30	157	110	235
Tuolumne	12	12/1/2025	85	368	172	67	19	68	82	233
Tuolumne	13	12/8/2025	21	259	59	10	4	10	48	238
Merced	1	9/15/2025	2	0	0	0	0	0	0	712
Merced	2	9/22/2025	26	0	0	1	1	1	0	175
Merced	3	9/29/2025	25	6	1	1	1	1	0	225
Merced	4	10/6/2025	17	5	0	1	1	1	0	217
Merced	5	10/13/2025	6	7	0	0	0	0	0	311
Merced	6	10/20/2025	167	7	0	1	1	1	0	210
Merced	7	10/27/2025	489	94	0	4	0	4	0	188
Merced	8	11/3/2025	651	339	12	31	7	33	0	189
Merced	9	11/10/2025	504	624	83	86	17	86	1	184
Merced	10	11/17/2025	282	259	19	36	6	39	5	190
Merced	11	11/24/2025	268	591	58	49	3	49	15	163
Merced	12	12/1/2025	63	223	49	12	0	12	14	168
Merced	13	12/8/2025	19	57	11	4	0	4	5	168

Update on Fish Monitoring (Juveniles)

Mossdale Trawl

Trawl operations have shifted from joint CDFW/USFWS operations to USFWS only in October.

No salmonid captures since June 2025; updates will resume when juvenile fish are captured.

FISHBIO Updates

Updates

Stanislaus River Weir: As of December 14, 2025, a total of 7,831 adult Chinook salmon have passed upstream of the Stanislaus River weir (Table 8; Figure 12). Ten *O. mykiss* (Table 9; Figure 14) have been observed passing the Stanislaus River weir as of December 14, nine were over 16 inches and nine were adipose fin clipped.

Table 8: Chinook passage at the Stanislaus River Weir as of December 14 of each year and the season totals.

Year	Monitoring Start Date	Net Passage To Date	Season Total
2025	9/11/25	7,831	7,831
2024	9/5/24	3,459	3,643
2023	9/6/23	2,337	2,443
2022	9/15/22	3,692	3,798
2021	9/8/21	5,937	6,032
2020	9/10/20	1,873	1,906
2019	8/29/19	2,594	2,594
2018	9/5/18	4,729	4,779
2017	9/15/17	8,333	8,500
2016	9/8/16	14,045	14,399
2015	9/15/15	11,764	12,707
2014	9/5/14	5,427	5,527
2013	9/3/13	5,389	5,452
2012	9/11/12	7,109	7,248
2011	11/8/11	714	776
2010	9/7/10	1,334	1,364
2009	9/9/09	1,243	1,303
2008	9/9/08	880	928
2007	9/22/07	429	439
2006	9/8/06	2,902	3,074
2005	9/8/05	4,066	4,124
2004	9/10/04	4,424	4,448
2003	9/5/03	4,720	4,848

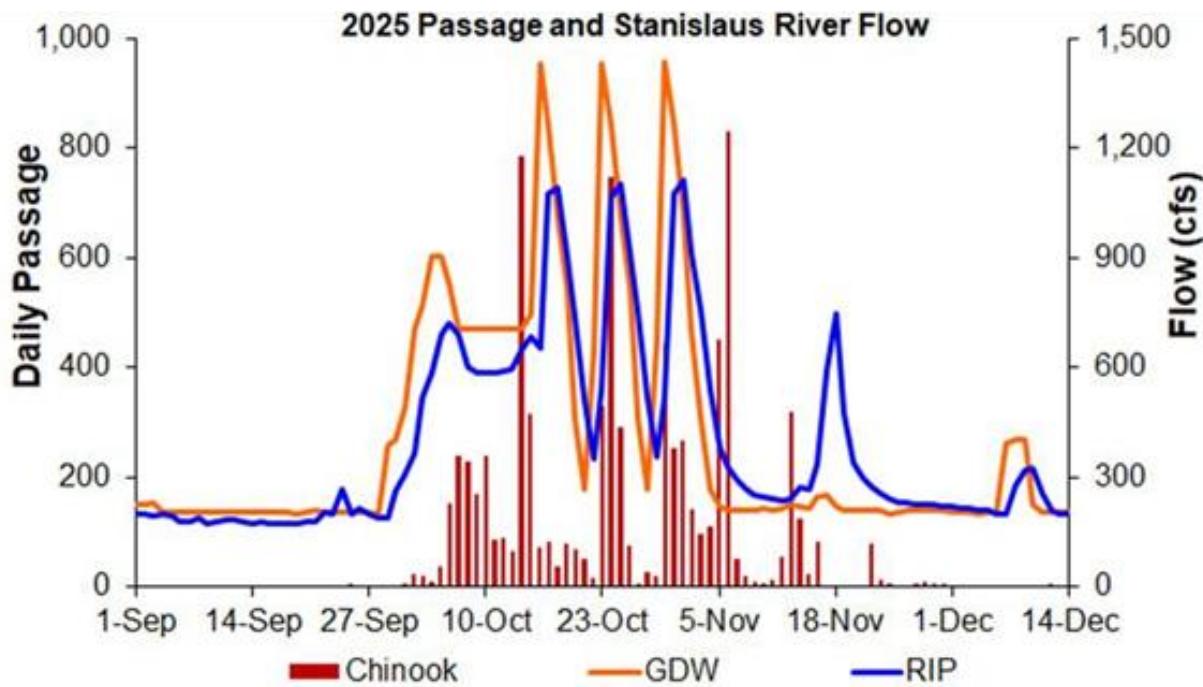


Figure 12. Daily Chinook passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP), 2025.

Figure 12 is a graph of daily Chinook passage at the Stanislaus River weir and river flow at Goodwin and Ripon. Graph shows most of the Chinook passage occurred in October 2025 through early November 2025.

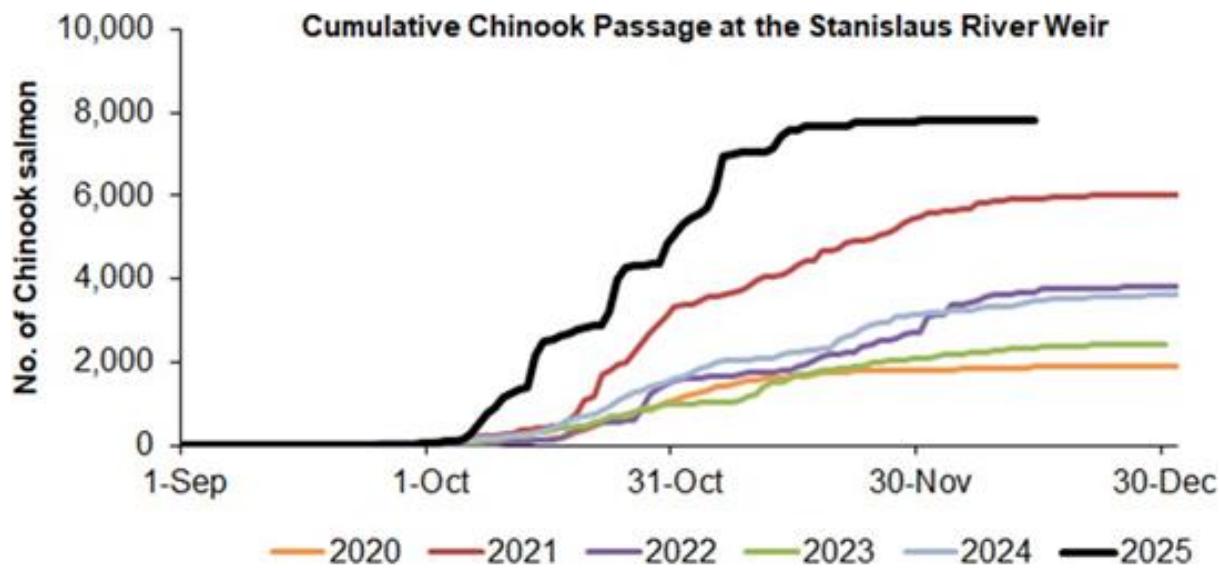


Figure 13. Cumulative Chinook passage at the Stanislaus River weir during 2020-2025

Figure 13 is a graph of cumulative Chinook passage at the Stanislaus River, which shows a high increase in passage early in October 2025 compared to other years.

Table 9: *O. mykiss* passage at the Stanislaus River Weir as of December 14 of each year and the season totals.

Year	Monitoring Start Date	Net Passage To Date	Season Total
2025	9/11/25	10	10
2024	9/5/24	10	10
2023	9/6/23	29	55
2022	9/15/22	2	6
2021	9/8/21	18	50
2020	9/10/20	4	8
2019	8/29/19	31	31
2018	9/5/18	21	25
2017	9/15/17	11	11
2016	9/8/16	23	25
2015	9/15/15	1	5
2014	9/5/14	3	8
2013	9/3/13	20	39
2012	9/11/12	26	101
2011	11/8/11	11	86
2010	9/7/10	1	6
2009	9/9/09	6	9
2008	9/9/08	12	15
2007	9/22/07	2	2
2006	9/8/06	6	12
2005	9/8/05	0	0
2004	9/10/04	0	1
2003	9/5/03	0	0

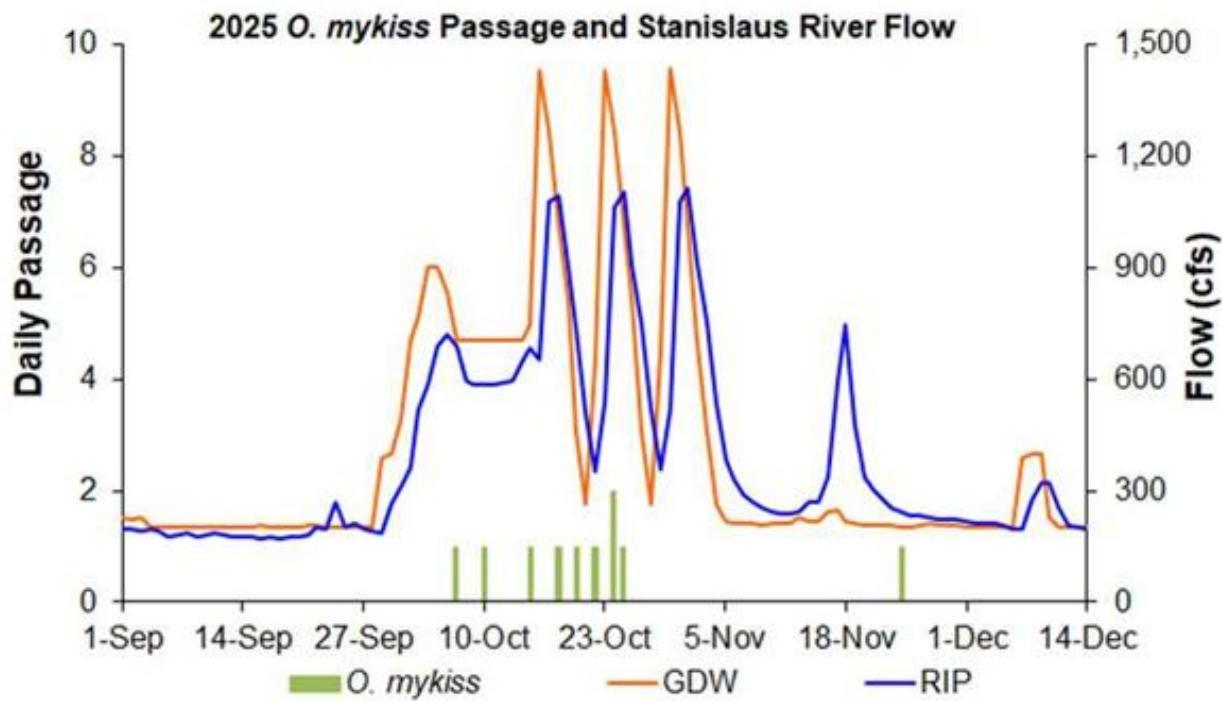


Figure 14. Daily *O. mykiss* passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP), 2025.

Figure 14 is a graph of daily *O. mykiss* passage at the Stanislaus River weir and river flow at Goodwin and Ripon. Graph shows most of the *O. mykiss* passage occurred in October 2025 and some in early November.

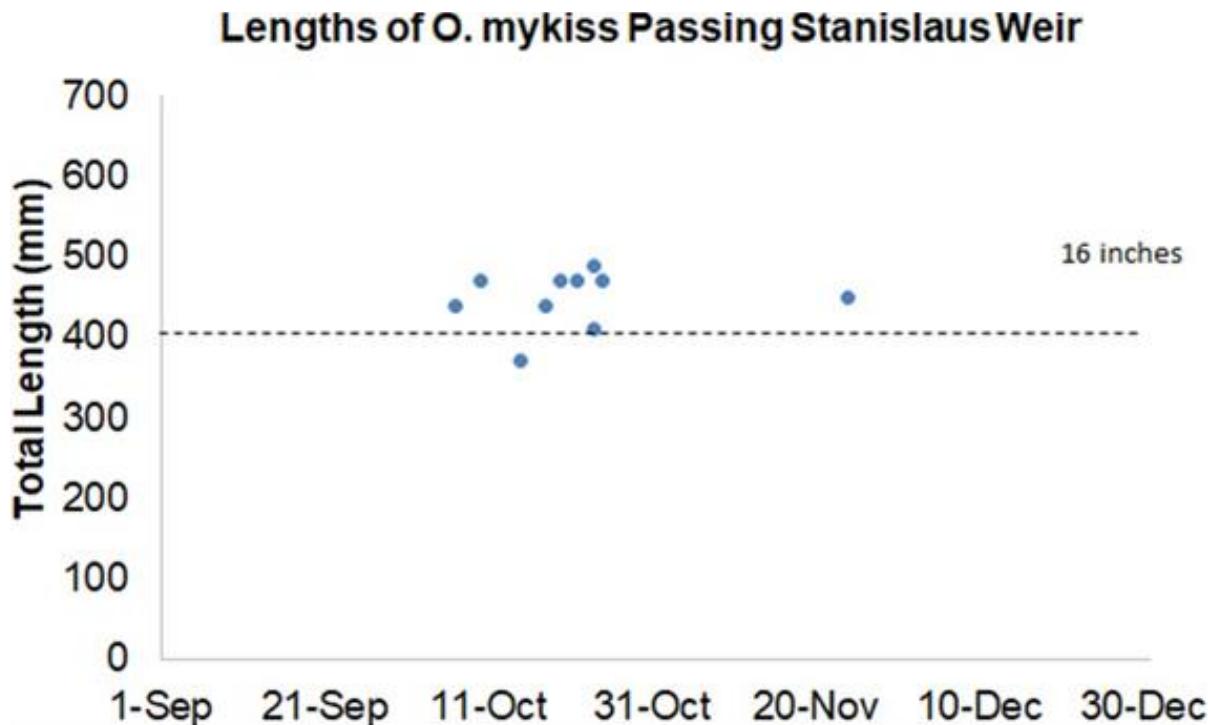


Figure 15. Individual lengths of *O. mykiss* detected at the Stanislaus River weir during 2025.

Figure 15 is a graph of individual lengths of *O. mykiss* detected at the Stanislaus River weir with most detected mid-October.

PSMFC Updates

Updates

Rotary Screw Traps (RSTs): Rotary screw trapping at Caswell Memorial State Park by PSMFC for the 2025/2026 outmigration season is expected to begin in January 2026. The RSTs are expected to be installed between Tuesday, 1/6/26 and Wednesday, 1/7/26 with daily sampling to begin on Sunday, 1/11/26.

Caswell RST data for the 2025 sampling season is now available on the [EDI webpage](#).

The annual report drafts are currently under review and will likely be available this next month on the [CalFish webpage](#).