BUREAU OF RECLAMATION

Stanislaus Watershed Team

November 19, 2025

Members Attending

- Attorney Offices: N/A
- CDFW: Gretchen Murphey, Steve Tsao
- Cramer Fish Sciences: N/A
- DWR: N/A
- FISHBIO: Chrissy Sonke
- NMFS: Paula Higginson
- PSMFC: Logan Day, Hunter Morris
- SSJID: Brandon Nakagawa
- Stockton East Water District (SEWD): N/A
- SWRCB: Chris Carr, Yongxuan Gao
- Reclamation: Peggy Manza, Myrna Girald Perez, Mechele Pacheco, Catarina Pien, Brian Willard, Spencer Marshall
- USFWS: Erika Holcombe
- WAPA: N/A
- Kearns & West: Mia Schiappi, Brita Romans
- Other: Lilliana Selke

Action Items

- Mechele to communicate with USFWS, CDFW, and Reclamation Bay Delta Office (BDO) about any changes in flows due to USACE direction that might affect their work.

- SWT participants to email Cat Pien if they are interested in attending a lunch seminar on Friday 11/21/2025 about steelhead tagging work on the Stanislaus River.
- Kearns & West to send out updated meeting packet with revised date for CDFW and amended pages.

Announcements

- 11/17/2025 - 11/21/2025 is Cat Pien's last week at Reclamation; Chase will continue attending on behalf of the office.
- Myrna Girald Perez will be on maternity leave in December; the new point of contact for the Central California Area Office (CCAO) will be Spencer Marshall.
- Barb Byrne will be leaving NMFS, 11/24/2025 - 11/28/2025 is her last week.

Operations Update 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 Reservoir Update

- As of 11/17/2025, New Melones storage measured 1.626 million acre-feet (MAF) with an elevation of 1,016.39 feet.
- As of 11/17/2025, inflow was measured at 74 thousand acre-feet (TAF) and releases were measured at 245 cubic feet per second (cfs).
- Through 11/17/2025, releases for November measured at 10,558 acre-feet. New Melones had penstock work that started Monday 11/17/2025 and will be ongoing until 5pm on Friday 11/21/2025. In order to accommodate that, releases from New Melones to Tulloch were a little higher on 11/14/2025 and 11/15/2025.

Tulloch

- Tulloch had side flows due to the storm and it has become 35% encroached as of 11/19/2025. It was noted that there is a possibility that the United States Army Corps of Engineers (USACE) will require higher releases out of Goodwin, but Reclamation believes it is unlikely.

Goodwin

- Pulse flows occurred in October and completed in early November. Minimum releases will occur for the remainder of November. November 16 and 17 had slightly higher flows due to side flows at Goodwin.

Forecast

- End of September storage projection of 1.572 MAF for 50% exceedance, 1.205 MAF for 90% exceedance.

Discussion

- FishBio asked about potential encroachment releases. Reclamation CVO responded that it would be a conversation between Reclamation and USACE, noting that it all depends on how quickly they would want Tulloch to not be encroached.
- FishBio shared that in order to operate the weir, flows need to stay under 1500 cfs. FishBio requested one day's advanced notice in order to sink the weir.
- Reclamation CVO estimated that they anticipate no longer being encroached within 8 to 9 days. They are not anticipating having to increase flows but noted that it is a possibility.
- Reclamation BDO flagged that Cramer Fish Sciences and the U.S. Fish and Wildlife Service (USFWS) may be doing some tagging activity in early December.
- Reclamation CVO observed that the Ripon gauge was providing inaccurate readings and serviced the gauge on 11/18/2025. Data is accurate as of 11/19/2025. Inaccurate readings were caused by higher flows due to the storm event and an increased amount of silt in the system.

Water Temperature Updates

Paula Higginson, NMFS, provided an update that water temperatures have decreased in alignment with the fall season, and are consistently 54–60° F. There was an observable decrease in temperature due to flow pulses.

- CDFW noted that the Orange Blossom graph was reviewed and that temperature appears to be accurate.

Flow Planning

Winter Instability Flow Planning

- Winter instability flow (WIF) discussions will begin during the December meeting for February WIF. If there are any considerations for the shaping of the WIF, reach out to Gretchen, CDFW.

Fish Monitoring

CDFW Fish Monitoring

Gretchen Murphy, 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.
- Observations of live Chinook salmon counts decreased as of 11/14/2025. CDFW believes that fish tagged the first few weeks of September were likely spring-run.
- As of 11/14/2025, Merced river hatchery had spawned 201 females.

Juvenile Fish Monitoring

- There have been no juvenile salmonid captures since June 2025; updates will resume when juvenile fish are captured.
    - One adult Chinook was captured in the previous week

FISHBIO Updates

Chrissy Sonke, FISHBIO, provided updates on fish monitoring operations and results.

- The Stanislaus River Weir Simsonar has recorded 7,624 adult Chinook salmon as of 11/16/2025, which is the highest number observed since 2016 and second highest since weir operation began in 2003. Out of the adult Chinook salmon observed, many are estimated to be four- and five-year-olds based on size. There have been a few peaks in observations; the first was prior to the first pulse of fall pulses, likely due to increased flows and dissolved oxygen levels.
- High turbidity is reported in the river right now, 117 NTU at the weir site as of 11/18 leading to no observations. 1000 CFS pulse that came down the river knocked the live box loose, FISHBIO attempting to fix on 11/19/2025.
- Up to 10 O. Mykiss have been observed passing the Stanislaus River Weir as of 11/16/2025. Eight of the observations were ad-clipped, and nine were over 16 inches.

Questions/Comments

- FISHBIO asked if CDFW expects to have fish available for traveling releases this year. CDFW noted that 201 females spawned not counting this week is a positive sign.
- CDFW asked about the status of the Oakdale trap. FISHBIO responded that it is currently non-operational due to a lack of funding.
- USBR CCAO asked about Chinook salmon passage rates in comparison to previous years. FISHBIO responded that the current theory is that Chinook salmon outmigration survival in 2022-2023 was high and combined with a closed ocean harvest it has led to a high rate of Chinook salmon returning this year.

PSMFC Updates

- Logan Day shared that PSMFC is currently hiring their crew for the season, anticipating to start the season on January 5 with plans to install screw traps on January 6 and January 7.

- The finalized Caswell RST annual report and finalized data through 2025 are now 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:

- The Caswell State Park project is moving along. They were able to complete some vegetation surveys this fall, planning to do landowner outreach for that project in the near future. Construction is anticipated to start in 2027. In the next several months, baseline surveys and conceptual design will move forward, then the permitting process will start.
- USFWS is waiting for permits for the Buffington project, did not get a 408 permit in time for construction this year. A portion of funding is set to expire in June but USFWS is able to shift those funds and use them for baseline surveys and outreach for a separate site.

Cat Pien, Reclamation BDO, provided updates:

- Tortuga and Moeller are still in the permitting phase, hoping to get those permits done by next year in time to construct.
- Goodwin Gravel: Elissa Buttermore will take over after Cat's departure. Reclamation has been working to get materials together to hopefully go out to bid next year. Hoping to have 10,000 tons in Goodwin next summer.

Stanislaus River Forum

- The Quarterly SRF meeting was held on 11/18/2025; two members of the public participated.

SWRCB Updates

- N/A

Question/Comments

- FISHBIO asked about the potential for PSMFC to start the RST earlier knowing that there are spring-run Chinook Salmon in the river with juveniles. PSMFC answered that due to how the budget is set up, January is the earliest that they can get the crew hired on.

WY25 Stanislaus River Summary of Activities Report

- The deadline to prepare the first draft was extended to 11/28/2025.
- Reclamation CCAO will be sending out the first draft of the Stanislaus River Summary of Activity Report for SWT to review around the first week of December.

Items to Elevate to WOMT

- None.

Next Meeting

Wednesday, December 17, 10:00 am –12:00 pm.

BUREAU OF RECLAMATION

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, November 19, 2025

Agenda

1. Introductions
2. Ground Rules[1]
3. Announcements
4. Operations Update and Forecasts/Hydrology – Mechele Pacheco, USBR
5. Temperature Updates– Paula Higginson, NMFS
6. Flow Planning– Myrna Girald Pérez, USBR and Gretchen Murphey, CDFW
7. STW Reporting – 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. Stanislaus River Forum (SRF) Call – Myrna Girald Pérez, USBR
9. Fish Monitoring and Studies – CDFW, FISHBIO
10. Restoration Project Updates
    a. Erika Holcombe, USFWS
    b. Cat Pien, USBR
11. Other Discussion Items
    a. Items to elevate to WOMT
12. Review Action Items– Mia Schiappi, Kearns & West
13. Next Meeting: Wednesday, December 17, 2025

Tables for BDO

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

November 16, 2025
Run Date: November 17, 2025

Table 1. Reservoir Releases in Cubic Feet Per Second

Reservoir	Dam	WY 2025	WY 2026	15-Year Median
Trinity	Lewiston	309	300	303
Sacramento	Keswick	4,588	4,170	4,588
Feather	Oroville (SWP)	1,750	2,450	1,750
American	Nimbus	2,009	1,089	1,314
Stanislaus	Goodwin	201	245	205
San Joaquin	Friant	444	0	427

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	1,287	1,603	1,766	137
Shasta	4,552	2,254	2,530	2,610	116
Folsom	977	374	353	427	114
New Melones	2,420	1,316	1,803	1,626	124
Fed. San Luis	966	369	345	320	87
Total North CVP	11,363	5,601	6,634	6,749	121
Millerton	521	244	206	0	0
Oroville (SWP)	3,425	1,523	1,650	1,777	117

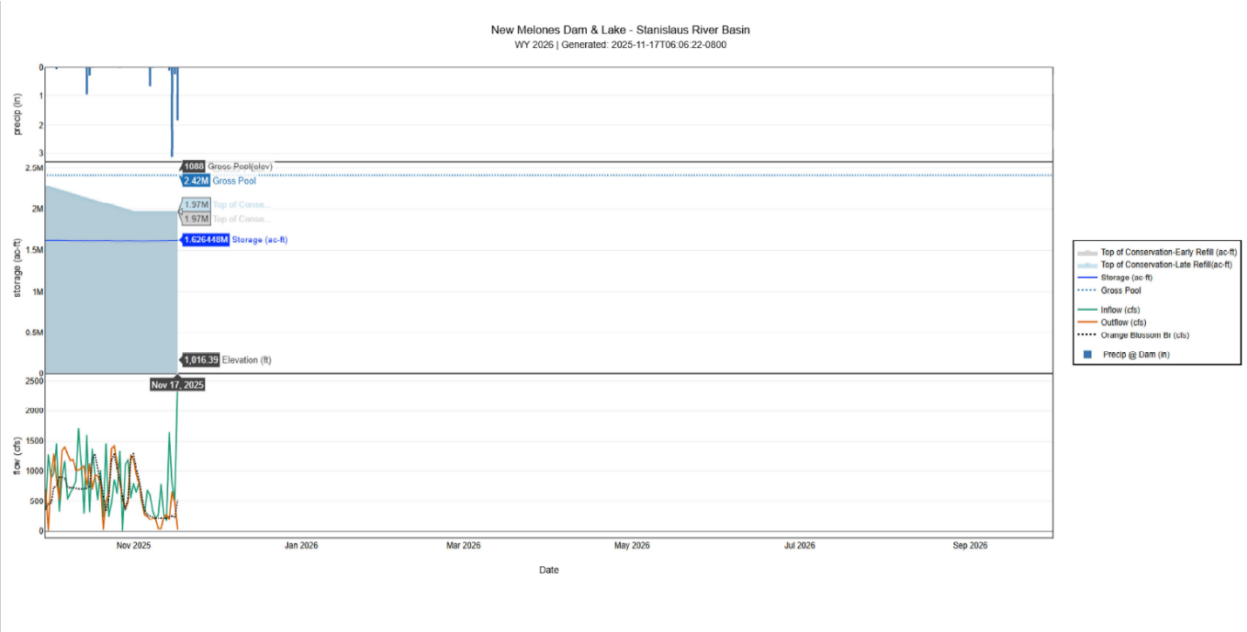
Table 3. Accumulated Inflow for water Year to Date in Thousands of Acre-Feet

Reservoir	Current WY 2026	WY 1977	WY 1983	15-Yr Avg	% O 15 Yr Avg
Trinity	73	14	59	31	235
Shasta	402	360	433	317	127
Folsom	99	70	262	92	108
New Melones	74	N/A	134	53	139

Reservoir	Current WY 2026	WY 1977	WY 1983	15-Yr Avg	% O 15 Yr Avg
Millerton	93	40	174	82	113

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	6.12	1.22	4.63	3.87 (65)	158	0.00
Sacramento at Shasta Dam	11.62	1.63	6.49	6.90 (70)	169	0.17
American at Blue Canyon	8.39	3.19	10.92	6.61 (51)	127	1.12
Stanislaus at New Melones	7.29	N/A	5.20	2.73 (48)	267	1.85
San Joaquin at Huntington LK	3.23	1.80	9.60	3.85 (52)	84	0.00



New Melones Dam & Lake – Stanislaus River Basin, 2025-11-17T06:06:22-0800

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 1.6M ac-ft in November 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, October 2025, Run Date: 11/10/2025

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
N/A	N/A	1,625.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	1,016.25	1,625.1	-0.2	890	926	0	0	63	0.20	0.00
2	1,016.17	1,624.3	-0.8	965	1,280	0	0	79	0.25	0.00
3	1,016.29	1,625.5	1.2	1,460	863	0	0	6	0.02	0.05
4	1,016.24	1,625.0	-0.5	333	525	0	0	54	0.17	0.00
5	1,016.14	1,624.0	-1.0	897	1,339	0	0	51	0.16	0.00
6	1,016.08	1,623.4	-0.6	1,170	1,396	0	0	69	0.22	0.00
7	1,015.91	1,621.8	-1.7	541	1,282	0	0	95	0.30	0.00
8	1,015.78	1,620.5	-1.3	637	1,180	0	0	95	0.30	0.00
9	1,015.67	1,619.4	-1.1	719	1,196	0	0	63	0.20	0.00
10	1,015.62	1,618.9	-0.5	825	1,014	0	0	57	0.18	0.00
11	1,015.75	1,620.2	1.3	1,701	1,016	0	0	47	0.15	0.00
12	1,015.75	1,620.2	0.0	1,109	1,046	0	0	63	0.20	0.00
13	1,015.58	1,618.6	-1.7	303	1,083	0	0	54	0.17	0.00
14	1,015.75	1,620.2	1.7	1,591	748	0	0	9	0.03	0.95
15	1,015.59	1,618.6	-1.6	324	1,109	0	0	0	0.00	0.30
16	1,015.72	1,619.9	1.3	1,364	694	0	0	32	0.10	0.01
17	1,015.71	1,619.8	-0.1	924	935	0	0	38	0.12	0.00
18	1,015.62	1,618.9	-0.9	528	923	0	0	47	0.15	0.00
19	1,015.65	1,619.2	0.3	1,004	791	0	0	66	0.21	0.00
20	1,015.68	1,619.5	0.3	242	29	0	0	66	0.21	0.00
21	1,015.86	1,621.3	1.8	1,458	512	0	0	63	0.20	0.00
22	1,015.77	1,620.4	-0.9	250	632	0	0	60	0.19	0.00
23	1,015.58	1,618.6	-1.8	466	1,373	0	0	25	0.08	0.00
24	1,015.46	1,617.4	-1.2	858	1,412	0	0	35	0.11	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	1,015.35	1,616.3	-1.1	632	1,144	0	0	28	0.09	0.00
26	1,015.45	1,617.3	1.0	1,323	819	0	0	13	0.04	0.01
27	1,015.34	1,616.2	-1.1	16	527	0	0	28	0.09	0.00
28	1,015.48	1,617.6	1.4	1,096	374	0	0	35	0.11	0.00
29	1,015.62	1,618.9	1.4	1,195	473	0	0	35	0.11	0.00
30	1,015.47	1,617.5	-1.5	557	1,268	0	0	25	0.08	0.00
31	1,015.38	1,616.6	-0.9	787	1,194	0	0	35	0.11	0.00
Totals	N/A	N/A	-8.8	26,165	29,103	0	0	1,436	4.55	1.32
Acre-Feet	N/A	N/A	-8,800	51,898	57,726	0	0	2,848	N/A	N/A

Comments:

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

Summary Precipitation

This Month	1.32
October 1, 2025 to Date	N/A
October 1, 2025 to Date	1.32

Summary: Release (acre- feet)

Release (acre-feet)	N/A
Power	57,726
Spill	0
Outlet	0
Total	**57,726**

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

New Melones Lake Daily Operations, November 2025, Run Date: 11/17/2025

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	1,616.6	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
Totals	N/A	N/A	9.9	10,944	5,323	0	0	655	2.08	5.97
Acre-Feet	N/A	N/A	9,900	21,707	10,558	0	0	1,299	N/A	N/A

Comments:

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

Summary Precipitation

This Month	5.97
October 1, 2025 to Date	N/A
October 1, 2025 to Date	7.29

Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	10,558
Spill	0
Outlet	0
Total	**10,558**

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

Tulloch Reservoir Daily Operations, September 2025, Run Date: 10/05/2025

Day	Elev	Storage (Acre Feet) Reservoir	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	60,259	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	504.60	60,444	185	970	926	869	0	0	8
2	505.10	61,025	581	1,284	1,280	982	0	0	9
3	504.83	60,710	-315	821	863	979	0	0	1
4	503.78	59,499	-1,211	509	525	1,114	0	0	6
5	504.01	59,762	263	1,293	1,339	1,154	0	0	6
6	504.30	60,097	335	1,372	1,396	1,195	0	0	8
7	504.50	60,329	232	1,263	1,282	1,135	0	0	11
8	504.38	60,190	-139	1,145	1,180	1,204	0	0	11
9	504.50	60,329	139	1,240	1,196	1,163	0	0	7
10	504.19	59,970	-359	945	1,014	1,119	0	0	7
11	503.96	59,704	-266	998	1,016	1,126	0	0	6
12	504.01	59,762	58	1,023	1,046	987	0	0	7
13	504.24	60,028	266	1,073	1,083	933	0	0	6
14	504.15	59,924	-104	820	748	871	0	0	1
15	504.69	60,548	624	1,089	1,109	774	0	0	0
16	503.32	58,975	-1,573	663	694	1,452	0	0	4
17	502.65	58,218	-757	895	935	1,273	0	0	4
18	502.43	57,972	-246	891	923	1,010	0	0	5
19	502.42	57,960	-12	814	791	812	0	0	8
20	501.53	56,972	-988	3	29	494	0	0	7
21	501.83	57,302	330	497	512	324	0	0	7
22	501.61	57,060	-242	630	632	745	0	0	7
23	501.29	56,707	-353	1,291	1,373	1,466	0	0	3
24	501.47	56,905	198	1,408	1,412	1,304	0	0	4
25	501.55	56,994	89	1,132	1,144	1,084	0	0	3
26	501.41	56,839	-155	777	819	854	0	0	1
27	501.50	56,939	100	511	527	458	0	0	3
28	501.76	57,225	286	410	374	262	0	0	4
29	501.38	56,806	-419	458	473	665	0	0	4
30	501.09	56,486	-320	1,245	1,268	1,403	0	0	3
31	500.98	56,365	-121	1,157	1,194	1,214	0	0	4

Day	Elev	Storage (Acre Feet) Reservoir	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)
Totals	N/A	N/A	-3,894	28,627	29,103	30,425	0	0	165
Acre-Feet	N/A	N/A	-3,894	56,782	57,726	60,348	0	0	327

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	60,348
Spill	0
Outlet	0
Total	**60,348**

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	56,365	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
Totals	NA	NA	2,792	6,411	5,323	4,930	0	0	74
Acre-Feet	NA	NA	2,792	12,716	10,558	9,779	0	0	147

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	9,779
Spill	0
Outlet	0
Total	**9,779**

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

Goodwin Reservoir Daily Operations, October 2025, Run Date: 11/10/2025

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	533	N/A	N/A	N/A	N/A	N/A	N/A
1	360.14	547	14	869	0	492	236	212
2	360.12	545	-2	982	0	707	219	155
3	360.23	553	8	979	0	767	205	101
4	360.23	553	0	1,114	0	902	213	101
5	360.23	553	0	1,154	0	901	259	101
6	360.12	545	-8	1,195	0	832	291	191
7	360.12	545	0	1,135	0	704	342	200
8	360.12	545	0	1,204	0	702	341	270
9	360.12	545	0	1,163	0	703	341	230
10	360.12	545	0	1,119	0	703	342	186
11	360.12	545	0	1,126	0	703	306	228
12	360.12	545	0	987	0	702	245	145
13	360.12	545	0	933	0	703	232	97
14	360.12	545	0	871	0	704	218	43
15	360.14	547	2	774	0	747	69	20
16	360.51	573	26	1,452	0	1,432	61	21
17	360.38	564	-9	1,273	0	1,264	61	22
18	360.27	556	-8	1,010	0	1,014	61	11
19	360.15	548	-8	812	0	813	61	7
20	359.91	531	-17	494	0	460	68	30
21	359.82	524	-7	324	0	266	57	41
22	360.14	547	23	745	0	674	51	68
23	360.53	574	27	1,466	0	1,432	52	47
24	360.39	564	-10	1,304	0	1,263	83	47
25	360.29	557	-7	1,084	0	1,012	94	65

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	360.18	550	-7	854	0	814	67	46
27	359.92	531	-19	458	0	460	29	23
28	359.82	524	-7	262	0	266	28	0
29	360.15	548	24	665	0	672	28	0
30	360.53	574	26	1,403	0	1,435	28	0
31	360.37	563	-11	1,214	0	1,265	22	0
Totals	N/A	N/A	30	30,425	0	25,514	4,710	2,708
Acre-Feet	N/A	N/A	30	60,348	0	50,607	9,342	5,371

Joint Main Operated by SSJID and OID.

Summary: Release (acre-feet)

Joint Main Canal	9,342
South Main Canal	5,371
Outlet	0
Spill	50,607
Total	**65,321**

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

Goodwin Reservoir Daily Operations, November 2025, Run Date: 11/17/2025

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
Totals	N/A	N/A	-41	4,930	0	5,036	0	0
Acre-Feet	N/A	N/A	-41	9,779	0	9,989	0	0

Joint Main Operated by SSJID and OID.

Summary: Release (acre-feet)

Joint Main Canal	0
South Main Canal	0
Outlet	0
Spill	9,989
Total	**9,989**

Table 5. New Melones 50% Exceedance

Month	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Storage (TAF)	1625	1656	1700	1742	1819	1808	1831	1739	1671	1616	1572	1539
Releases (TAF)	26	21	12	31	23	123	127	192	110	90	77	82
Inflow (TAF)	36	53	58	74	102	116	156	105	51	42	38	52
GW Releases (CFS)	255	200	200	400	200	460	1242	1490	200	200	200	635

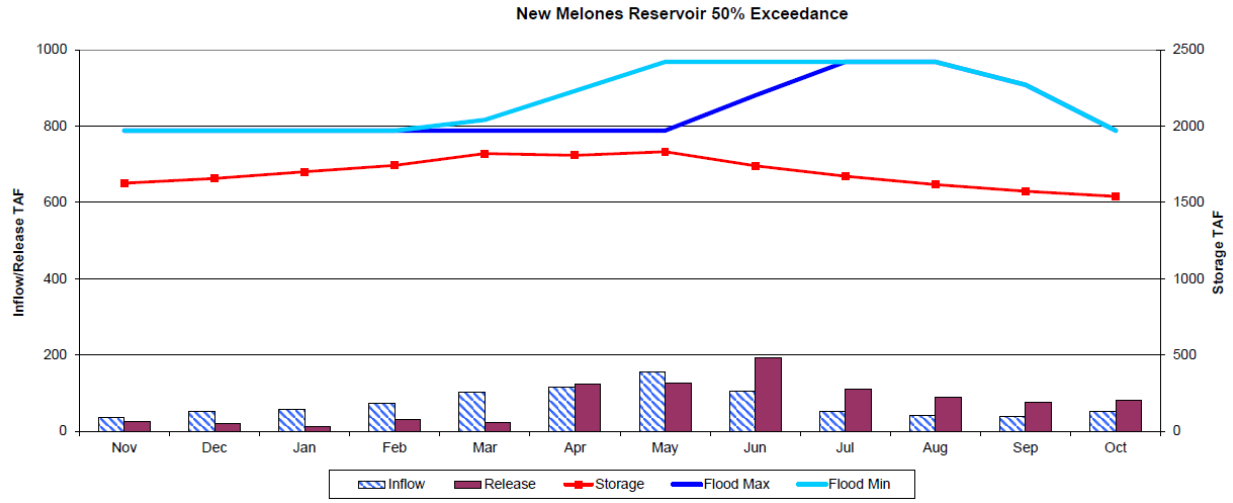


Figure 1. New Melones Reservoir 50% Exceedance

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 November 2024 – October 2025 and a line graph of the reservoir storage, flood maximum and flood minimum flows.

Table 6. New Melones 90% Exceedance

Month	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Storage (TAF)	1619	1622	1630	1630	1647	1576	1488	1402	1319	1257	1205	1148
Releases (TAF)	26	21	12	25	23	120	127	114	107	87	74	79
Inflow (TAF)	30	25	22	26	42	53	144	34	31	31	26	25
GW Releases (CFS)	255	200	200	293	200	800	1200	190	150	150	150	577

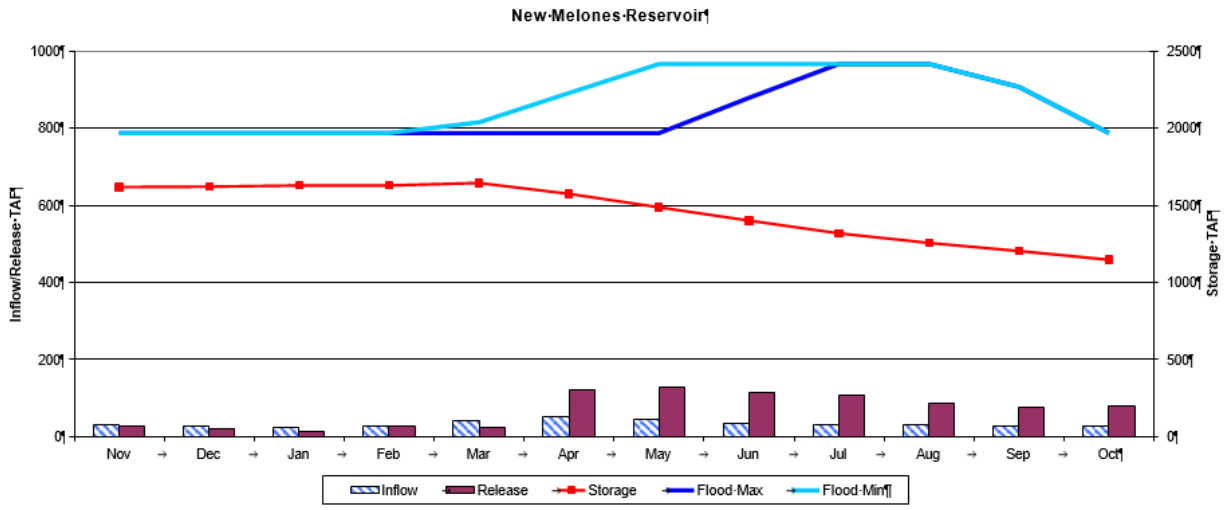


Figure 2. New Melones Reservoir 90% Exceedance

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 November 2024 – October 2025 and a line graph of the reservoir storage, flood maximum and flood minimum flows.

November 2025 Water Temperature and Fish Monitoring Update

Year-to-Date Flows

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

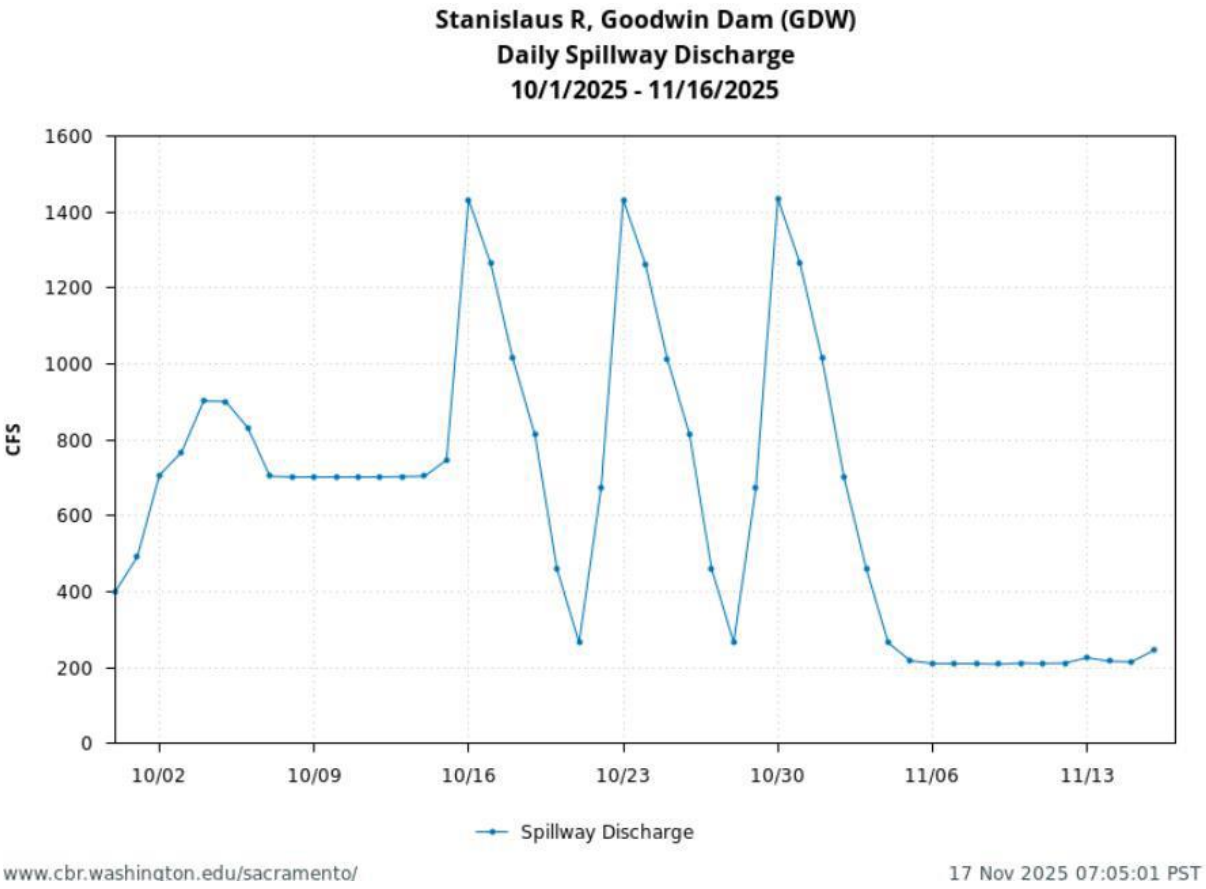


Figure 3. Goodwin (daily) releases to the Stanislaus River since October 1 (water year). Data from GDW station on CDEC.

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 a decrease to 700 cfs on October 7, 2025, and three peaks to over 1400 cfs on October 16, 23, 30. The spillway discharge drops to about 200 cfs after November 5. 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 September 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 September 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.

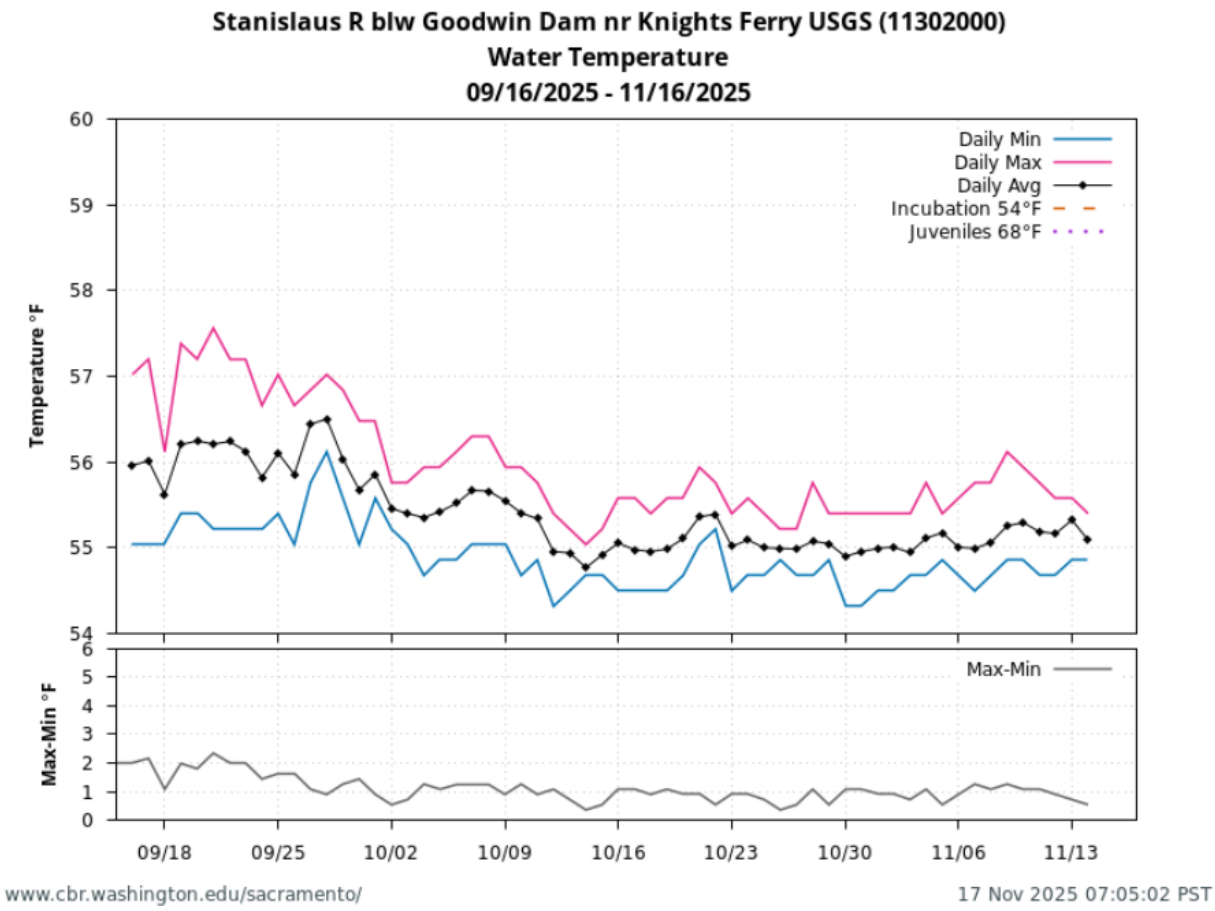


Figure 4. Daily water temperatures on the Stanislaus River upstream of Knights Ferry since September 16, 2025. Data from USGS gage 11302000 on NWIS; temperature threshold reference line added by SWT.

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).

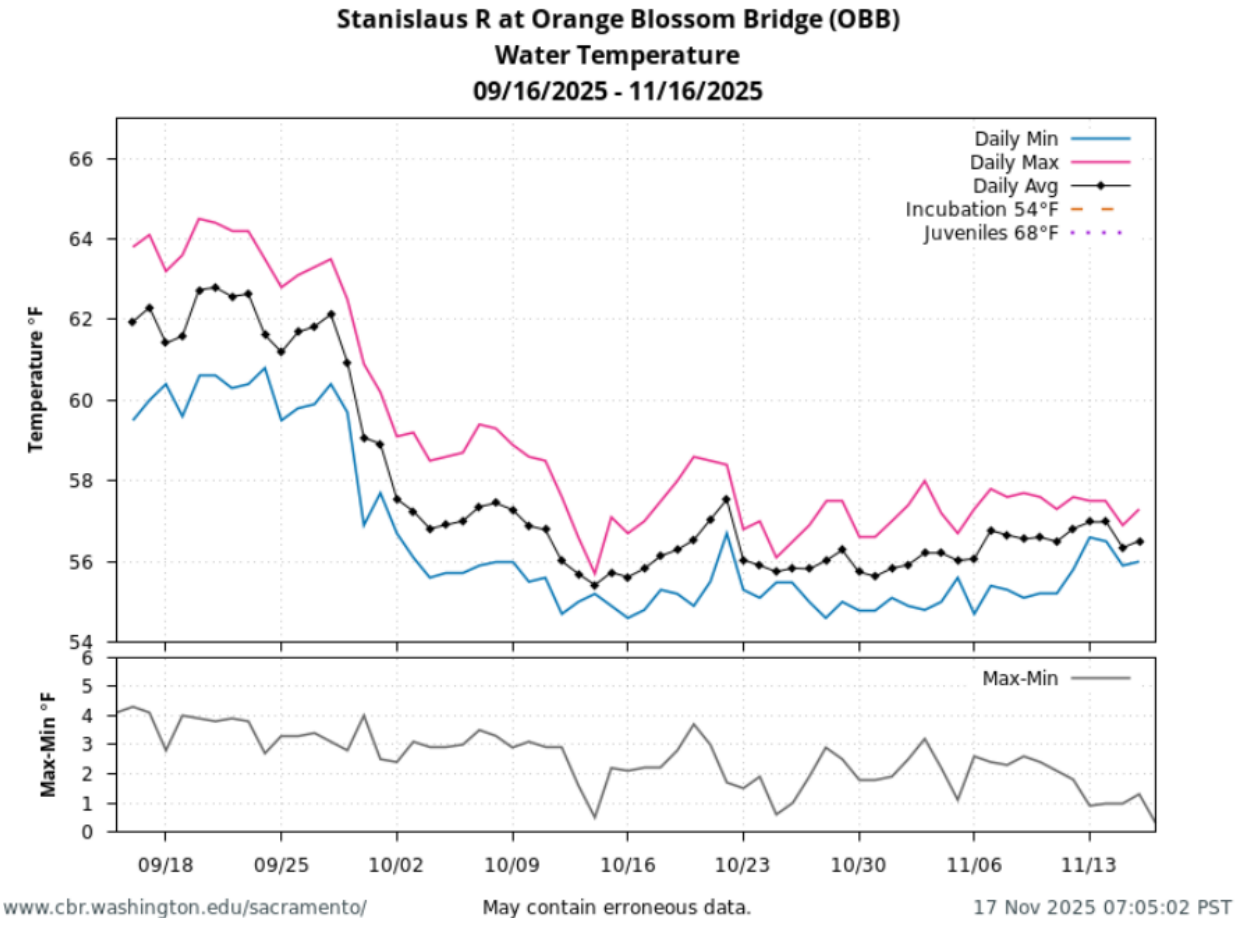


Figure 5. Stanislaus (hourly) water temperatures at Orange Blossom Bridge since September 16, 2025. Data from OBB station on CDEC. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the data should be noted as unreliable.

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.

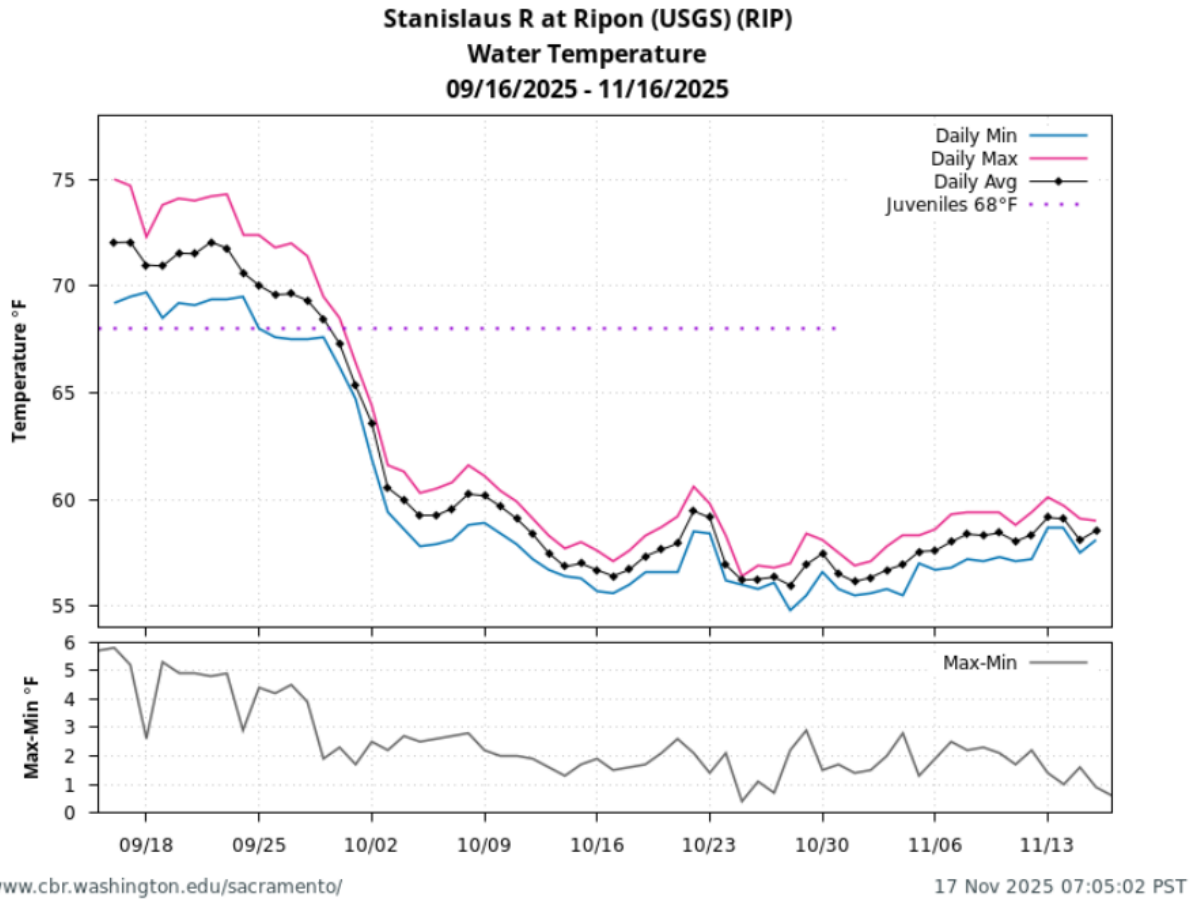


Figure 6. Stanislaus water temperatures at Ripon since September 16, 2025. Data from RIP station on CDEC.

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).

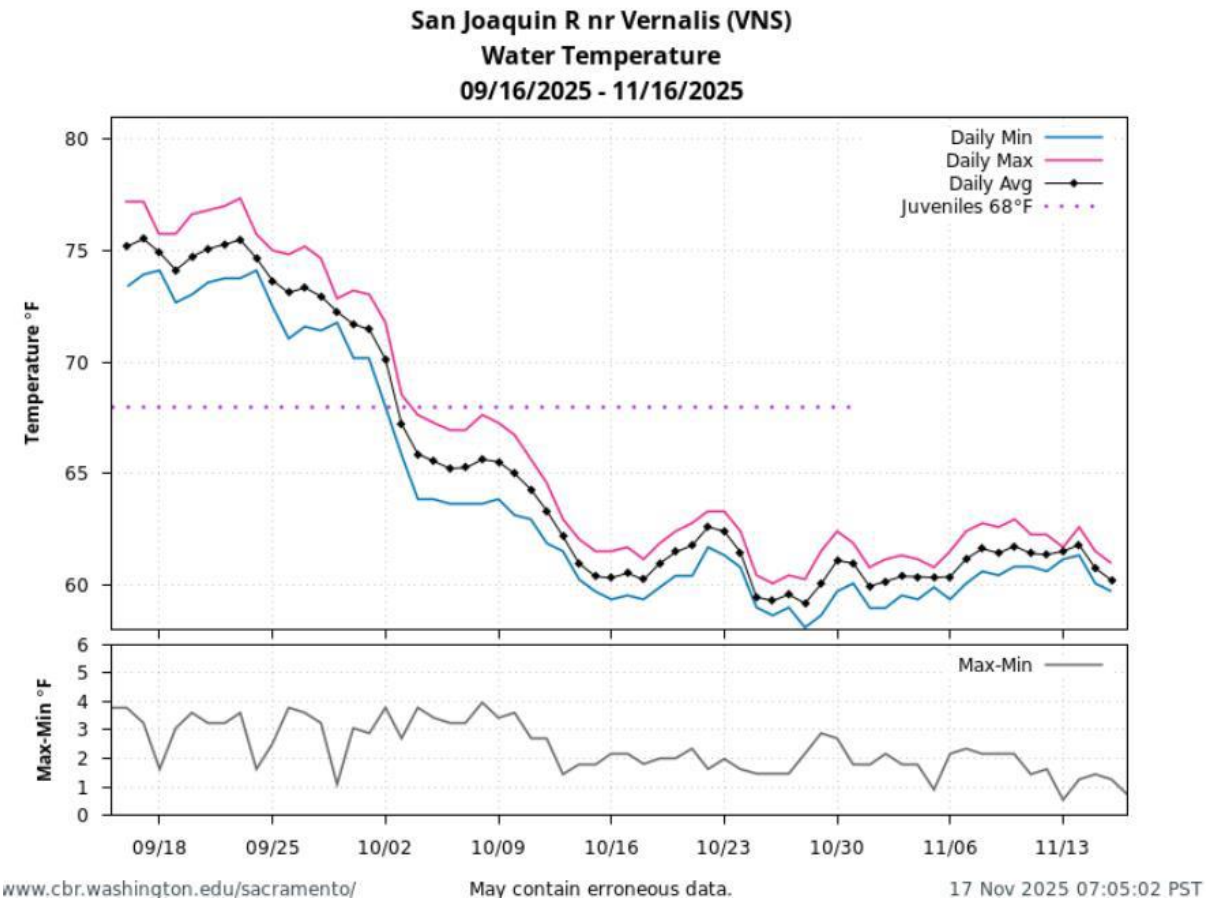


Figure 7. San Joaquin River (15-minute) water temperatures at Vernalis since September 16, 2025. Data from VNS station on CDEC.

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).

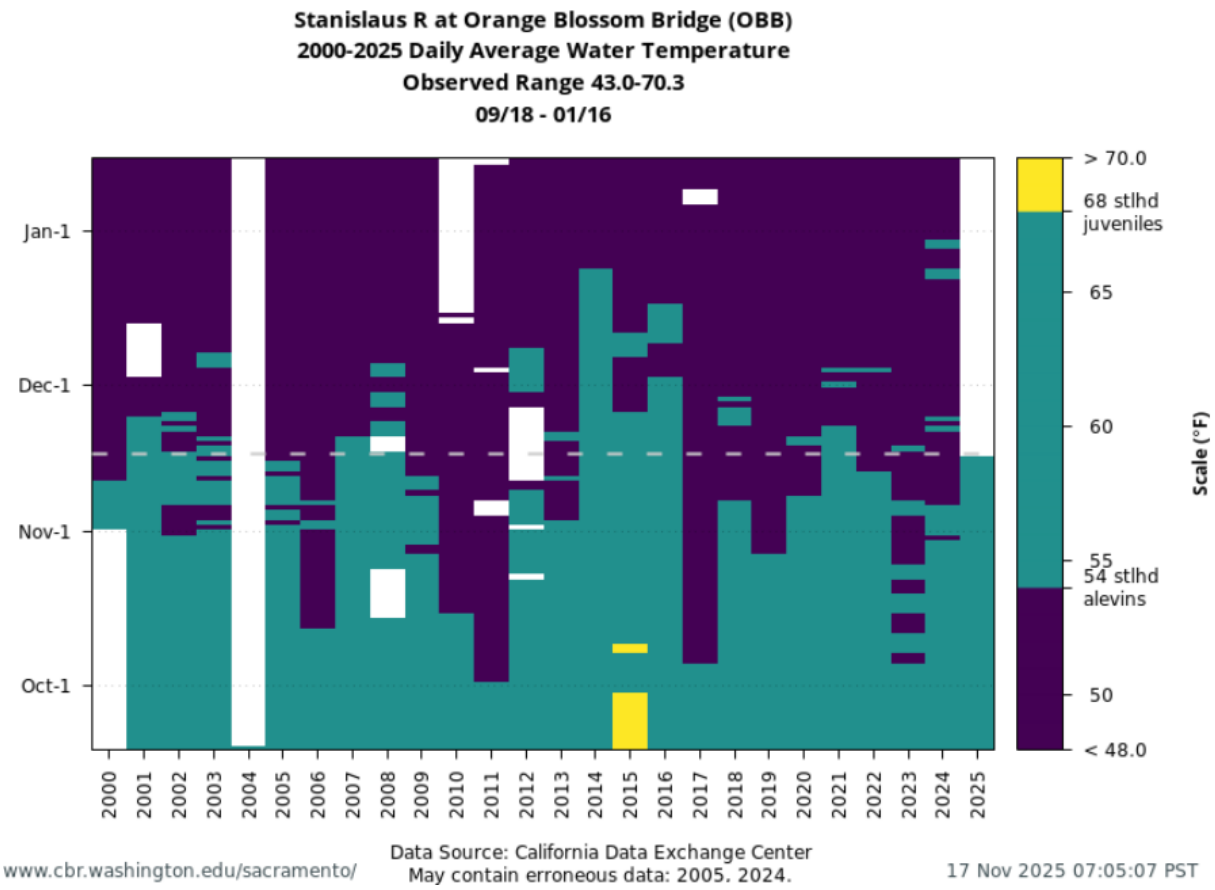


Figure 8. Stanislaus River water temperatures at Orange Blossom Bridge for WY 2001 to present. [Data from SacPAS website]; temperature threshold reference lines added by SWT. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the date should be noted as unreliable.

Figure 8 is a bar chart showing water temperatures at Orange Blossom Bridge for WY 2001 to present for September to January. The chart shows that during this time, the daily average water temperature was mostly between 54- and 68-degrees Fahrenheit from September to early November, and below 54 degrees Fahrenheit from mid-November to early January.

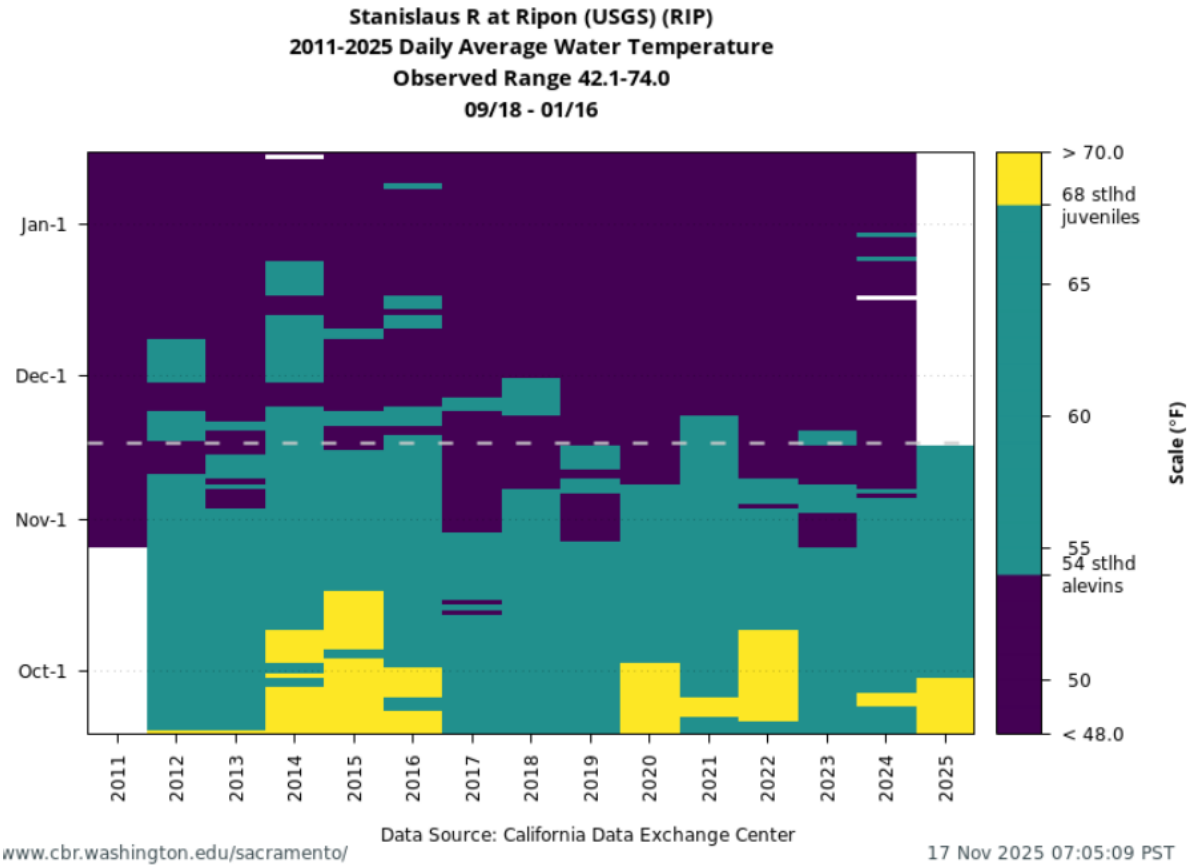


Figure 9. Stanislaus River water temperatures at Ripon for WY 2012 to present. Figure from SacPAS website using RIP station data from CDEC; temperature threshold reference line added by SWT.

Figure 9 is a bar chart showing water temperatures at Ripon for WY 2012 to present for September to January. The chart shows that during this time, the daily average water temperature was mostly between 54- and 68-degrees Fahrenheit, September through early November, and above 54 degrees Fahrenheit during mid-November through January, and periods above 68 degrees Fahrenheit October in 2014 through 2016, 2020, 2022, and 2025.

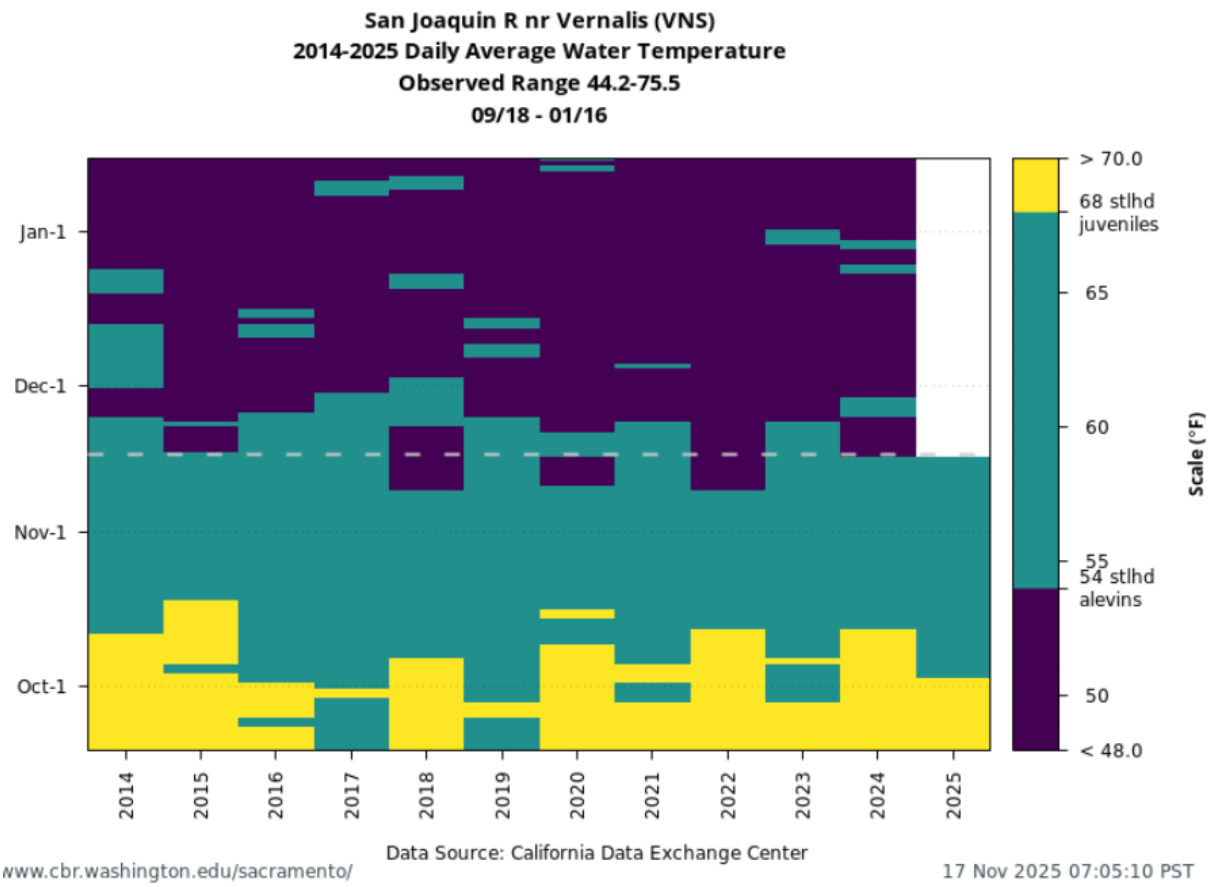


Figure 10. San Joaquin River water temperatures at Vernalis for WY 2015 to present. Figure from SacPAS website using VNS station data from CDEC; temperature threshold reference line added by SWT.

Figure 10 is a bar chart showing water temperatures at Vernalis for WY 2015 to present for September to January. The chart shows that during this time, the daily average water temperature was above 68 degrees Fahrenheit late September through early October, between 54 and 68 degrees Fahrenheit through November and some periods in December, and mostly below 54 degrees Fahrenheit in December through January.

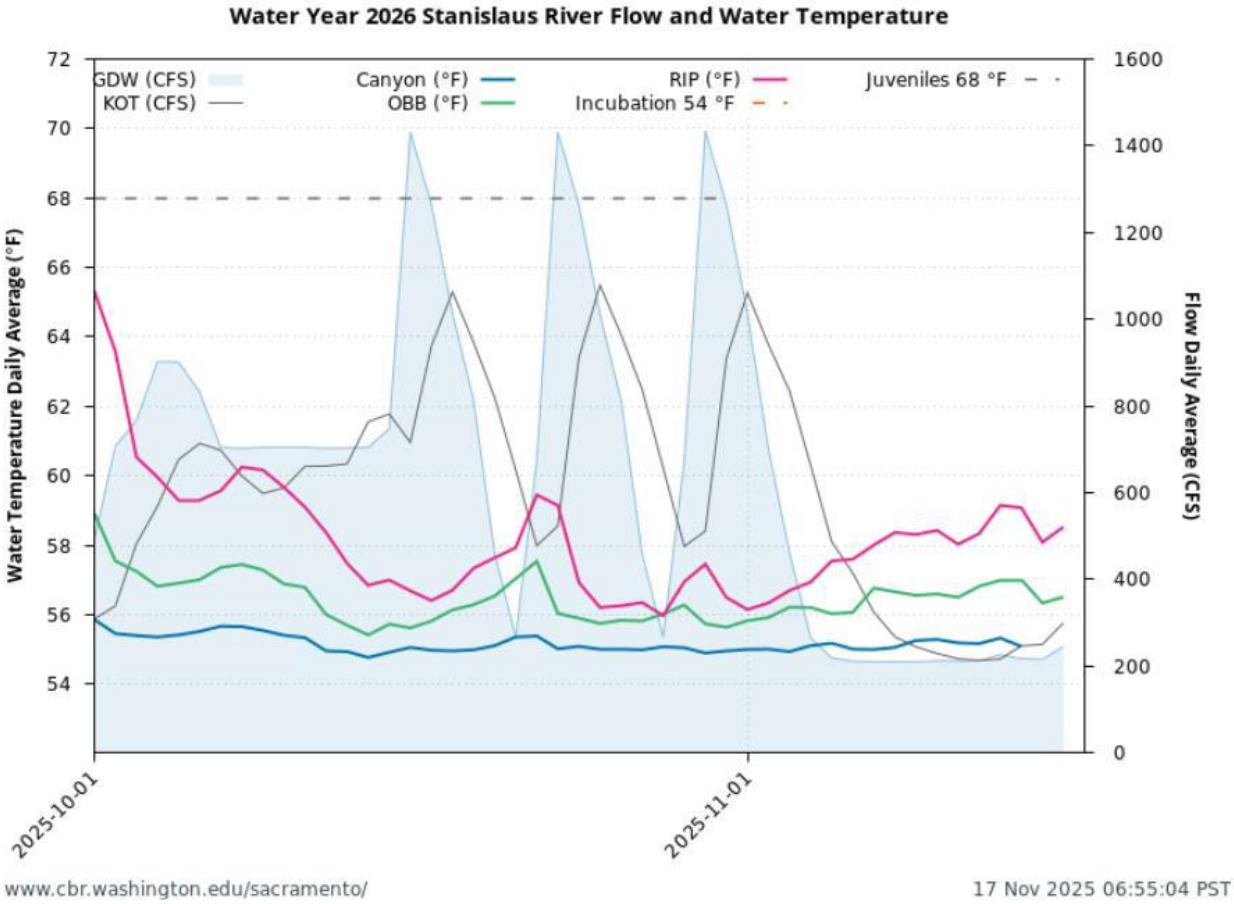


Figure 11. Stanislaus River flow and water temperatures from October 1, 2025 to November 17, 2025. Data (including temperature threshold reference lines) from SacPAS. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the data should be noted as unreliable.

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 early November 2025.

CDFW and USBR

Updates on Flow Planning
To be shared/discussed at the meeting.

CDFW Update

Update on Fish Monitoring (Adults)
Chinook carcass and redd surveys: 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 November 14, 2025 are reported in Table 7.

Spawning at the Merced River Hatchery began the week of 10/27/2025, 201 females have been spawned (11/13).

Table 7: Data from the fall 2025 CDFW carcass survey for the San Joaquin tributaries.

River	Week	Date	# Live	# Redds	# 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
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
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

River	Week	Date	# Live	# Redds	# Skeleton-s	# Tagg-ed	#Ad-Clipp-ed	# Scale Samples	# Recover-ed	Average Flow (cfs)
Tuolumne	9	11/10/2025	948	511	90	163	12	163	6	230
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

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 November 16, 2025, a total of 7,624 adult Chinook salmon have passed upstream of the Stanislaus River weir (Table 8; Figure 12). There were 1,371 (18%) adults with their adipose fin clipped (indicating hatchery origin). Ten O. mykiss (Table 9; Figure 15) have been observed passing the Stanislaus River weir as of November 16, nine were over 16 inches and eight were adipose fin clipped.

Figure 12. Chinook salmon recorded by Simsonar at the Stanislaus River weir.

Figure 12 is an image of Chinook salmon recorded by Simsonar at the Stanislaus River weir.

Table 8: Chinook passage at the Stanislaus River Weir as of November 16 of each year and the season totals.

Year	Monitoring Start Date	Net Passage To Date	Season Total
2025	9/11/25	7,624	7,624
2024	9/5/24	2,258	3,643
2023	9/6/23	1,697	2,443
2022	9/15/22	1,947	3,798
2021	9/8/21	4,433	6,032
2020	9/10/20	1,668	1,906
2019	8/29/19	2,053	2,594
2018	9/5/18	4,113	4,779
2017	9/15/17	6,384	8,500
2016	9/8/16	10,725	14,399
2015	9/15/15	7,736	12,707
2014	9/5/14	3,490	5,527
2013	9/3/13	4,611	5,452
2012	9/11/12	6,150	7,248
2011	11/8/11	267	776
2010	9/7/10	1,173	1,364
2009	9/9/09	1,039	1,303
2008	9/9/08	779	928
2007	9/22/07	328	439

Year	Monitoring Start Date	Net Passage To Date	Season Total
2006	9/8/06	2,570	3,074
2005	9/8/05	3,271	4,124
2004	9/10/04	3,834	4,448
2003	9/5/03	3,850	4,848

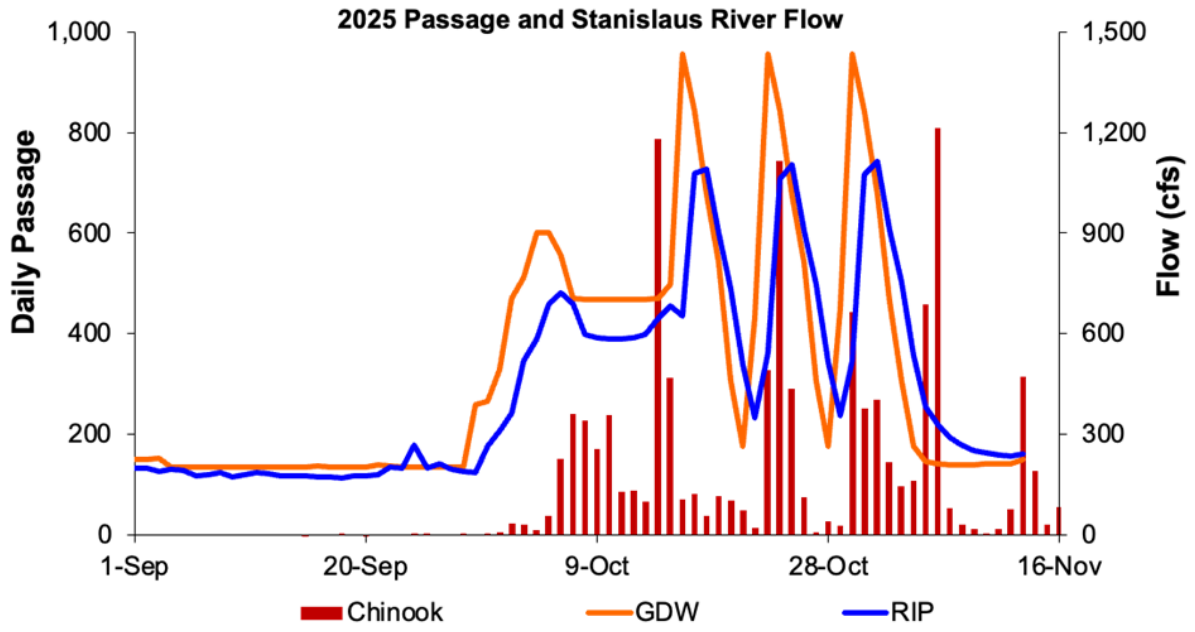


Figure 13. Daily Chinook passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP), 2025.

Figure 13 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.

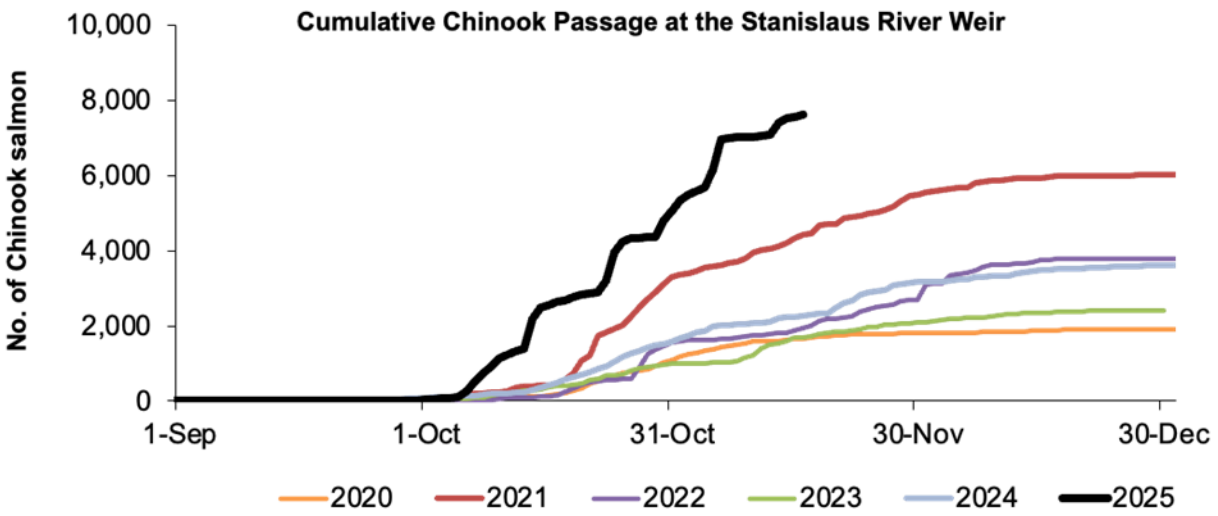


Figure 14. Cumulative Chinook passage at the Stanislaus River weir during 2020-2025

Figure 14 is a graph of cumulative Chinook passage at the Stanislaus River, which shows a high increase in passage early in October compared to other years.

Table 9: O. mykiss passage at the Stanislaus River Weir as of October 12 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	9	9
2023	9/6/23	27	55
2022	9/15/22	1	6
2021	9/8/21	10	50
2020	9/10/20	2	8
2019	8/29/19	29	31
2018	9/5/18	19	25
2017	9/15/17	8	11
2016	9/8/16	19	25
2015	9/15/15	1	5
2014	9/5/14	1	8
2013	9/3/13	13	39
2012	9/11/12	12	101
2011	11/8/11	3	86
2010	9/7/10	1	6
2009	9/9/09	6	9
2008	9/9/08	9	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

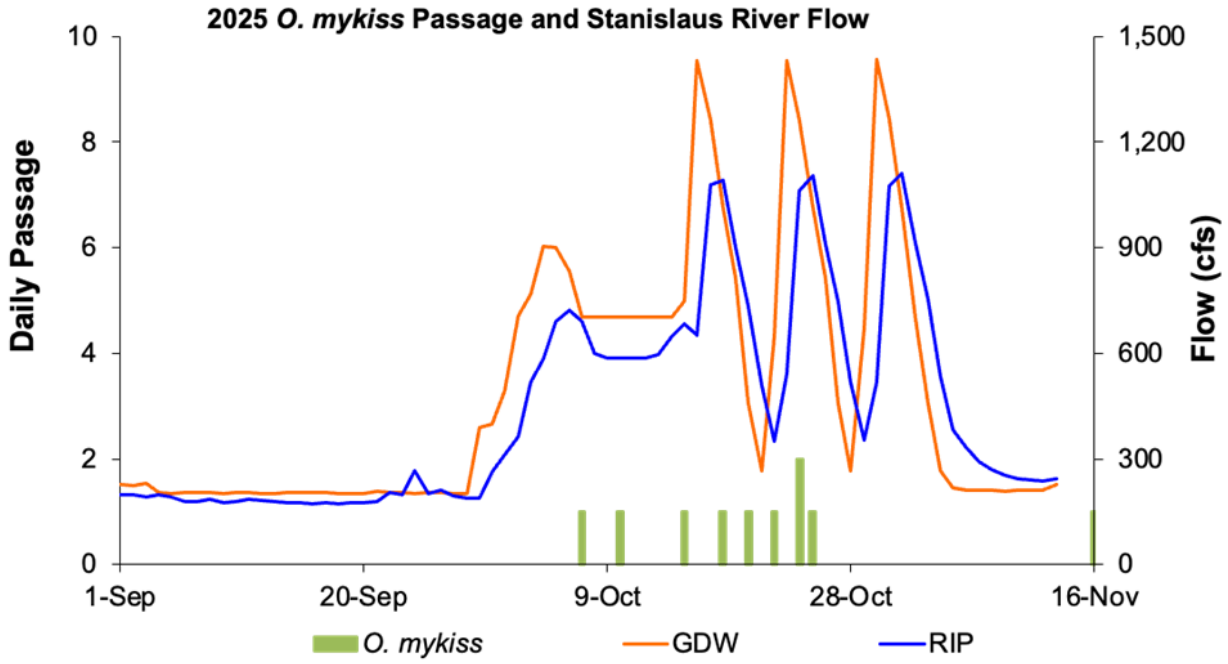


Figure 15. Daily O. mykiss passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP), 2025.

Figure 15 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.

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.