



## Stanislaus Watershed Team (SWT)

Wednesday, March 18, 2026

### Members Attending

- Attorney Offices: Tom Johnson
- CDFW: Gretchen Murphey, Steve Tsao, Crystal Rigby, Ryan Kok, Travis Apgar
- Cramer Fish Sciences: Jesse Anderson
- DWR: John Ford
- FISHBIO: Jason Guignard
- NMFS: Paula Higginson, Carrie Skorcz
- PSMFC: Logan Day, Hunter Morris
- SSJID: Brandon Nakagawa
- Stockton East Water District (SEWD): N/A
- SWRCB: Yongxuan Gao, Chris Carr
- Reclamation: Peggy Manza, Mechele Pacheco, Brian Willard, Spencer Marshall, Oliver Burgess, Zarela Guerrero
- USFWS: Erika Holcombe, Craig Anderson
- WAPA: N/A
- Kearns & West: Mia Schiappi, Brita Romans
- Other: Lilliana Selke

### Action Items

- **Gretchen** to do more reshaping based on conversation and then send out to group and Reclamation by Friday 3/20.
- **Mia** to follow up with Peggy to see if any updates from SRF.

- **All** to reach out to Erika to participate in upcoming Stanislaus River Float Trip.
- **Mechele** will, as time allows, look into the formatting of the USACE graphs.

## Announcements

- None

## 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 3/15/2026, releases from Goodwin Dam were at 250 cfs. Due to other tributaries supporting Vernalis D-1641 requirements, releases have stayed at their minimum flows.
- At the end of February there were no releases from New Melones due to encroachment at Tulloch.
- Due to demand starting to increase, releases from New Melones have started to increase.
- New Melones storage measured 1.871 million acre-feet (MAF), which is 123% of the 15-year average, a lower percentage than January.
  - Storage has been increasing due to snow melt, but is beginning to slow.
- As of 3/15/2026, New Melones accumulated inflow measured 386 TAF, which is 99% of 15-year average.
- Annual total for precipitation is 23.12 inches at 110% of average.
  - Although precipitation was high, it came as mostly rain rather than snow and is currently at 49% of the median for snow fall.
  - Snow melt is occurring earlier than normal due to high air temperatures.

### Goodwin

- Total releases for March 2026 were measured at 20,680 AF.
- The first few days of February had higher releases with a Vernalis requirement of 2,280 cfs; therefore, releases had to increase to 1,000 cfs out of Goodwin.
- Winter instability flow occurred in mid-February and was held for longer than planned due to Tulloch encroachment; flows decreased to minimum flows moving into March.

- March flows are at the minimum of 200 cfs.
- Don Pedro will begin decreasing releases to 1,000 cfs over the coming weekend. Reclamation will be monitoring flow requirements and salinity to ensure they are maintaining the 7-day running average for the remainder of March.

### **Forecast**

- Based on the March B-120, the SRP based on 90% SJI is 1.94 is defined as “critical” and the 75% is 2.24 is defined as “dry.”
- Based on the 50% exceedance, the end of September storage would be at 1.69 MAF.
- Based on the 90% exceedance, the end of September storage would be at 1.42 MAF.

### **Discussion**

- CDFW asked what the current Vernalis flow requirements are.
  - Reclamation CVO shared that the flow requirements are 2,280 cfs and the 7-day running average is 1,824 cfs. If additional flows from Goodwin are required they will increase releases. These requirements will be the same for March and flows may need to be increased to meet April objectives.
- SWRCB asked for clarification on the descriptions provided in the change orders that Reclamation sends out via email.
  - Reclamation confirmed that they provide the descriptions in the change order emails to clarify why releases are being changed. Occasionally there are multiple reasons stated.
- Gretchen Murphey, CDFW, shared that they had read in the Escalon Times that there may be a potential SSJID water transfer. There was also a CEQA notice of exemption, that included language that if there is a transfer SWT would have the opportunity to shape the flows.
  - Reclamation CVO was not currently aware of any transfers.
  - SSJID and OID are making the water available for purchase. They are not sure whether Reclamation will make the transfer actionable. It is not final on the contractors end about price, timing, and capacity. They are going to be continuing to discuss and plan to have SWT shape the flow if this transfer occurs. It is unknown when this will be finalized.

## **Water Temperature Updates**

- Paula Higginson, NMFS, shared that water temperatures are increasing. There was a slight decrease in March to ideal temperatures but are increasing again.

## Flow Planning

- CDFW prepared and shared the proposal for Spring Pulse flow shaping. They shaped both for a critically dry and dry year; however, given the forecast they focused on the critically dry year for discussion.
- In the proposed scenarios, the peaks were included during the weekdays to allow for recreation at Knights Ferry. Additionally, there will no longer be O. mykiss surveys that need to be accommodated for in the schedule.
- The proposed scenario showed a pulse beginning on the April 15th and ending on the 17th. Given that the temperatures are warm, CDFW asked for feedback on this proposed timing.
- CDFW mentioned that the Merced River does not have a pulse flow so there is no need to coordinate. The Tuolumne will get 20 TAF to be shaped, but are waiting for TID to understand how the snowpack is melting as they are currently above base flow for flood releases.

## Discussion

- USFWS shared that they reviewed last year's plan and notice that there is one less peak this year, but the peaks are higher. They commented that this could be good considering it may occur on an earlier timeframe. They would prefer a more condensed schedule with higher peaks.
- USFWS asked if there are any guidelines regarding how early a pulse flow could occur.
  - CDFW shared the SRP flow schedule has it beginning on April 15<sup>th</sup>, but they have had flexibility to reshape over the month.
- CDFW asked Reclamation whether they will have flexibility to move the schedule earlier.
- Cramer Fish Sciences agreed that if conditions continue to warm, shifting the pulse flows earlier would make sense.
- Cramer Fish Sciences reminded the group the Restore the Stanislaus River group are planning a river float on Saturday April, 18 and were hoping to have the flows around 1,200 cfs.
  - CDFW made a note to include in the flow shaping updates.
- USFWS asked Reclamation whether the year type has been finalized.
  - Reclamation responded that they will get an updated WSI on April 9<sup>th</sup>. It is not out of the realm of possibilities that the year type is dry but based on the current conditions it is unlikely.

- CDFW suggested that if there are storm in the forecast the plan can be to wait until the later date, if not, then
  - Reclamation shared that they aren't sure how flexible they are able to be and suggested that the flow schedule be the same for both the "dry" and "critically dry" scenarios. If the year ends up being defined as "dry" then it will be easier for them to adjust.
- CDFW confirmed that they will be sending out the updated flow schedule by close of business on Friday, March 20<sup>th</sup>.

## **Stanislaus River Forum (SRF)**

- No updates.

## **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 has completed adult monitoring surveys for 2025. Carcass surveys expected to begin in October.
- USFWS and CDFW's joint trawl operations caught an efficiency marked fish that was not part of CDFW's efficiency study.
  - FishBIO shared that there was a release of "pink" from Tuolumne River at Grayson on March 5th and is likely where it came from. These fish will not be included in the Juvenile Fish Monitoring (Mossdale trawl) summaries.

### **FISHBIO Updates**

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

- There has not been any additional passage of steelhead recently and net passage remains at 10 fish.

### **PSMFC Updates**

- Logan Day shared that PSMFC has not received funding for the 2026 season.

## **Restoration Project Updates**

Erika Holcombe shared that the April 18<sup>th</sup> float trip will include lunch and a tour of restoration sites.

## **Items to Elevate to Fish and Water Operations Group**

- None

## **Next Meeting**

Thursday, April 15, 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, March 18, 2026

### Agenda

1. Introductions
2. Ground Rules<sup>1</sup>
3. Announcements
4. Operations Update and Forecasts/Hydrology – Mechele Pacheco, USBR
  - a. Water Transfers
5. Temperature Updates– Paula Higginson, NMFS
6. Flow Planning– Peggy Manza, USBR and Gretchen Murphey, CDFW
7. Stanislaus River Forum (SRF) Call – Peggy Manza, USBR

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<sup>1</sup> 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, April 15, 2026

# Tables for BDO

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

March 15, 2026

Run Date: March 16, 2026

Table 1. Reservoir Releases in Cubic Feet Per Second

Reservoir	Dam	WY 2025	WY 2026	15-Year Median
Trinity	Lewiston	2,009	300	310
Sacramento	Keswick	6,211	4,053	4,570
Feather	Oroville (SWP)	10,000	6,500	2,500
American	Nimbus	3,477	2,450	2,450
Stanislaus	Goodwin	606	202	402
San Joaquin	Friant	885	1,066	400

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	1,614	2,019	2,211	137
Shasta	4,552	3,250	3,746	4,018	124
Folsom	977	549	624	762	139
New Melones	2,420	1,526	1,955	1,871	123
Fed. San Luis	966	663	753	742	112
Total North CVP	11,363	7,603	9,097	9,604	126
Millerton	521	304	315	397	130
Oroville (SWP)	3,425	2,387	2,908	3,009	126

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	792	66	1,077	503	157
Shasta	3,246	1,269	5,945	2,664	122
Folsom	1,335	180	3,033	1,174	114
New Melones	386	N/A	989	390	99
Millerton	611	104	1,383	431	142

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	25.48	7.46	44.80	24.22 (66)	105	0.00
Sacramento at Shasta Dam	59.17	8.72	89.31	46.95 (71)	126	0.00
American at Blue Canyon	43.24	13.78	84.50	50.13 (52)	86	0.00
Stanislaus at New Melones	23.12	N/A	36.67	20.98 (49)	110	0.00
San Joaquin at Huntington LK	26.96	9.10	66.10	30.30 (53)	89	0.00



Figure 1. New Melones Dam & Lake – Stanislaus River Basin, 2026-03-16T09:06:42-0700

Figure 1 is a graph that shows the flow, storage, and precipitation for New Melones Dam and Lake from November 2025 to September 2026. The graph shows storage approximately at 1.8M ac-ft in from early January 2027 to March 16,2026; with an average inflow below 2000 cfs, except for a peak over 8000 cfs in late January 2026, and a smaller peak of about 4000 cfs in late February 2026.

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

Table 5. New Melones Lake Daily Operations, February 2026, Run Date: 03/10/2026

Day	Elev	Storage 1000- Acre- Feet in Lake	Storage 1000- Acre- Feet Change	Com- puted* Inflow C.F.S.	Releas e 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	1,784.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	1,032.09	1,784.2	0.0	744	721	0	0	23	0.07	0.00
2	1,032.09	1,784.2	0.0	928	905	0	0	23	0.07	0.00
3	1,031.95	1,782.7	-1.4	156	872	0	0	13	0.04	0.00
4	1,031.94	1,782.6	-0.1	932	944	0	0	40	0.12	0.00
5	1,031.82	1,781.4	-1.2	427	1,018	0	0	33	0.10	0.00
6	1,031.91	1,782.3	0.9	1,520	1,013	0	0	40	0.12	0.00
7	1,031.82	1,781.4	-0.9	615	1,055	0	0	27	0.08	0.00
8	1,031.65	1,779.6	-1.8	226	1,086	0	0	23	0.07	0.00
9	1,031.63	1,779.4	-0.2	955	1,036	0	0	23	0.07	0.00
10	1,031.56	1,778.7	-0.7	715	1,061	0	0	17	0.05	0.00
11	1,031.59	1,779.0	0.3	663	507	0	0	0	0.00	0.42
12	1,031.64	1,779.5	0.5	443	183	0	0	0	0.00	0.14
13	1,031.79	1,781.1	1.5	829	29	0	0	20	0.06	0.00
14	1,031.88	1,782.0	0.9	677	183	0	0	27	0.08	0.00
15	1,031.93	1,782.5	0.5	471	191	0	0	20	0.06	0.00
16	1,032.42	1,787.6	5.1	2,998	444	0	0	0	0.00	0.28
17	1,033.26	1,796.3	8.7	4,421	35	0	0	0	0.00	2.05
18	1,033.59	1,799.7	3.4	1,762	35	0	0	0	0.00	1.34
19	1,034.11	1,805.1	5.4	2,758	35	0	0	0	0.00	0.52
20	1,034.42	1,808.3	3.2	1,663	35	0	0	0	0.00	0.58
21	1,034.71	1,811.4	3.0	1,568	35	0	0	10	0.03	0.01
22	1,034.95	1,813.9	2.5	1,329	35	0	0	34	0.10	0.00
23	1,035.12	1,815.6	1.8	977	35	0	0	47	0.14	0.00
24	1,035.42	1,818.8	3.1	1,640	35	0	0	24	0.07	0.01

Day	Elev	Storage 1000- Acre- Feet in Lake	Storage 1000- Acre- Feet Change	Com- puted* Inflow C.F.S.	Releas e C.F.S. Power	Release C.F.S. Spill	Release C.F.S. Outlet	Evap. C.F.S.	Evap. Inches	Precip Inches
25	1,035.75	1,822.2	3.4	1,777	35	0	0	3	0.01	0.04
26	1,036.21	1,827.0	4.8	2,487	35	0	0	24	0.07	0.00
27	1,036.66	1,831.8	4.7	2,466	42	0	0	44	0.13	0.00
28	1,037.10	1,836.4	4.6	2,397	34	0	0	34	0.10	0.00
Totals	N/A	N/A	52.0	38,544	11,674	0	0	549	1.64	5.39
Acre- Feet	N/A	N/A	52,000	76,452	23,155	0	0	1,089	N/A	N/A

Comments:

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

### Summary Precipitation

This Month 5.39  
October 1, 2025 to Date N/A  
October 1, 2025 to Date 23.12

### Summary: Release (acre- feet)

Release (acre-feet) N/A  
Power 23,155  
Spill 0  
Outlet 0  
**Total 23,155**

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

Table 6. New Melones Lake Daily Operations, March 2026, Run Date: 03/16/2026

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	1,836.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	1,037.46	1,840.2	3.8	1,980	33	0	0	37	0.11	0.00
2	1,037.95	1,845.3	5.2	2,661	34	0	0	27	0.08	0.00
3	1,038.28	1,848.8	3.5	2,370	570	0	0	44	0.13	0.00
4	1,038.57	1,851.9	3.1	2,034	456	0	0	34	0.10	0.00
5	1,038.86	1,854.9	3.1	2,465	883	0	0	38	0.11	0.00
6	1,039.03	1,856.7	1.8	1,767	810	0	0	51	0.15	0.00
7	1,039.25	1,859.1	2.3	1,892	683	0	0	34	0.10	0.00
8	1,039.37	1,860.3	1.3	1,534	859	0	0	34	0.10	0.00
9	1,039.54	1,862.1	1.8	1,798	859	0	0	31	0.09	0.00
10	1,039.69	1,863.7	1.6	1,734	887	0	0	45	0.13	0.00
11	1,039.83	1,865.2	1.5	2,134	1,341	0	0	45	0.13	0.00
12	1,039.96	1,866.6	1.4	1,589	847	0	0	48	0.14	0.00
13	1,040.12	1,868.3	1.7	1,994	1,092	0	0	45	0.13	0.00
14	1,040.26	1,869.8	1.5	1,769	973	0	0	45	0.13	0.00
15	1,040.35	1,870.7	1.0	1,364	837	0	0	45	0.13	0.00
Totals	N/A	N/A	34.6	29,085	11,164	0	0	603	1.76	0.00
Acre- Feet	N/A	N/A	34,600	57,690	22,144	0	0	1,196	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	23.12

## Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	22,144
Spill	0
Outlet	0
<b>Total</b>	<b>22,144</b>

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

Table 7. Tulloch Reservoir Daily Operations, February 2026, Run Date: 03/10/2026

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. **
N/A	N/A	56,983	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	501.17	56,575	-408	759	721	963	0	0	2
2	501.16	56,563	-12	959	905	963	0	0	2
3	501.11	56,508	-55	926	872	953	0	0	1
4	501.36	56,784	276	1,095	944	952	0	0	4
5	501.11	56,508	-276	916	1,018	1,051	0	0	4
6	501.04	56,431	-77	1,018	1,013	1,053	0	0	4
7	501.05	56,442	11	1,061	1,055	1,052	0	0	3
8	501.11	56,508	66	1,088	1,086	1,053	0	0	2
9	501.15	56,552	44	1,077	1,036	1,053	0	0	2
10	501.26	56,674	122	1,141	1,061	1,077	0	0	2
11	501.08	56,475	-199	494	507	594	0	0	0
12	500.94	56,322	-153	183	183	260	0	0	0
13	500.61	55,964	-358	33	29	211	0	0	2
14	500.56	55,910	-54	187	183	211	0	0	3
15	500.54	55,888	-22	202	191	211	0	0	2
16	502.90	58,498	2,610	1,521	444	205	0	0	0
17	505.62	61,636	3,138	1,784	35	202	0	0	0
18	506.42	62,584	948	810	35	332	0	0	0
19	506.18	62,298	-286	860	35	1,004	0	0	0
20	504.88	60,768	-1,530	392	35	1,163	0	0	0
21	503.93	59,670	-1,098	212	35	765	0	0	1
22	503.03	58,644	-1,026	148	35	661	0	0	4
23	502.34	57,871	-773	130	35	515	0	0	5
24	501.86	57,336	-535	119	35	212	174	0	3
25	501.35	56,773	-563	93	35	377	0	0	0
26	501.10	56,497	-276	88	35	225	0	0	2
27	500.87	56,246	-251	87	42	209	0	0	5
28	500.63	55,986	-260	82	34	209	0	0	4
Totals	N/A	N/A	-997	17,465	11,674	17,736	174	0	57
Acre-Feet	N/A	N/A	-997	34,642	23,155	35,179	345	0	113

Comments:

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

\*\* Evaporation records taken from New Melones Pan.

Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	35,179
Spill	345
Outlet	0
<b>Total</b>	<b>35,524</b>

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

Table 8. Tulloch Reservoir Daily Operations, March 2026, Run Date: 03/16/2026

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. **
N/A	N/A	55,986	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	500.50	55,845	-141	174	33	241	0	0	4
2	499.82	55,111	-734	140	34	507	0	0	3
3	499.74	55,026	-85	601	570	639	0	0	5
4	499.52	54,791	-235	622	456	737	0	0	3
5	499.60	54,876	85	882	883	835	0	0	4
6	499.52	54,791	-85	854	810	892	0	0	5
7	499.34	54,599	-192	763	683	857	0	0	3
8	499.38	54,641	42	877	859	853	0	0	3
9	499.30	54,556	-85	816	859	856	0	0	3
10	499.35	54,609	53	970	887	939	0	0	4
11	499.64	54,919	310	1,168	1,341	1,007	0	0	5
12	499.64	54,919	0	1,012	847	1,007	0	0	5
13	499.75	55,036	117	1,047	1,092	983	0	0	5
14	499.80	55,090	54	981	973	949	0	0	5
15	499.79	55,079	-11	870	837	871	0	0	5
Totals	NA	NA	-907	11,777	11,164	12,173	0	0	62
Acre-Feet	NA	NA	-907	23,360	22,144	24,145	0	0	123

Comments:

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

\*\* Evaporation records taken from New Melones Pan.

Summary: Release (acre-feet)

Release (acre-feet)	N/A
Power	24,145
Spill	0
Outlet	0
<b>Total</b>	<b>24,145</b>

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

Table 9. Goodwin Reservoir Daily Operations, February 2026, Run Date: 03/10/2026

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	619	N/A	N/A	N/A	N/A	N/A	N/A
1	360.27	620	1	963	0	1,002	0	0
2	360.27	620	0	963	0	1,003	0	0
3	360.26	620	0	953	0	1,001	0	0
4	360.26	620	0	952	0	1,003	0	0
5	360.31	621	1	1,051	0	1,102	0	0
6	360.31	621	0	1,053	0	1,103	0	0
7	360.31	621	0	1,052	0	1,102	0	0
8	360.31	621	0	1,053	0	1,102	0	0
9	360.32	621	0	1,053	0	1,102	0	0
10	360.32	621	0	1,077	0	1,129	0	0
11	359.97	616	-5	594	0	652	0	0
12	359.77	612	-4	260	0	276	0	0
13	359.77	612	0	211	0	208	0	0
14	359.78	612	0	211	0	208	0	0
15	359.79	613	1	211	0	211	0	0
16	359.80	613	0	205	0	242	0	0
17	359.80	613	0	202	0	240	0	0
18	360.28	621	8	332	0	334	0	0
19	360.30	621	0	1,004	0	1,054	0	0
20	360.28	621	0	1,163	0	1,204	0	0
21	360.09	617	-4	765	0	802	0	0
22	360.05	617	0	661	0	701	0	0
23	359.91	615	-2	515	0	552	0	0
24	359.91	615	0	386	0	400	0	0
25	359.91	615	0	377	0	401	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	359.77	612	-3	225	0	233	0	0
27	359.78	612	0	209	0	202	0	0
28	359.78	612	0	209	0	202	0	0
Totals	N/A	N/A	-7	17,910	0	18,771	0	0
Acre-Feet	N/A	N/A	-7	35,524	0	37,232	0	0

Joint Main Operated by SSJID and OID.

Summary: Release (acre-feet)

Joint Main Canal	0
South Main Canal	0
Outlet	0
Spill	37,232
<b>Total</b>	<b>37,232</b>

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

Table 10. Goodwin Reservoir Daily Operations, March 2026, Run Date: 03/16/2026

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	612	N/A	N/A	N/A	N/A	N/A	N/A
1	359.78	612	0	241	0	203	0	43
2	359.78	612	0	507	0	208	56	62
3	359.78	612	0	639	0	204	232	65
4	359.78	612	0	737	0	210	272	83
5	359.79	613	1	835	0	203	319	104
6	359.77	612	-1	892	0	204	341	164
7	359.77	612	0	857	0	201	365	127
8	359.78	612	0	853	0	202	370	100
9	359.77	612	0	856	0	203	376	100
10	359.77	612	0	939	0	204	389	180
11	359.77	612	0	1,007	0	203	534	150
12	359.77	612	0	1,007	0	202	609	190
13	359.77	612	0	983	0	203	572	190
14	359.77	612	0	949	0	202	556	174
15	359.77	612	0	871	0	202	549	100
Totals	N/A	N/A	12,173	0	3,054	5,540	1,832	12,173
Acre- Feet	N/A	N/A	24,145	0	6,058	10,989	3,634	24,145

Joint Main Operated by SSJID and OID.

Summary: Release (acre-feet)

Joint Main Canal	10,989
South Main Canal	3,634
Outlet	0
Spill	6,058
<b>Total</b>	<b>20,680</b>

Table 11. New Melones 50% Exceedance

Month	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Storage (TAF)	1911	1884	1900	1851	1786	1733	1690	1643	1655	1673	1709	1738
Releases (TAF)	24	137	131	142	107	87	74	79	22	21	12	37
Inflow (TAF)	101	114	152	99	51	41	37	35	35	40	50	67
GW Releases (CFS)	200	731	446	659	150	150	150	577	200	200	200	497

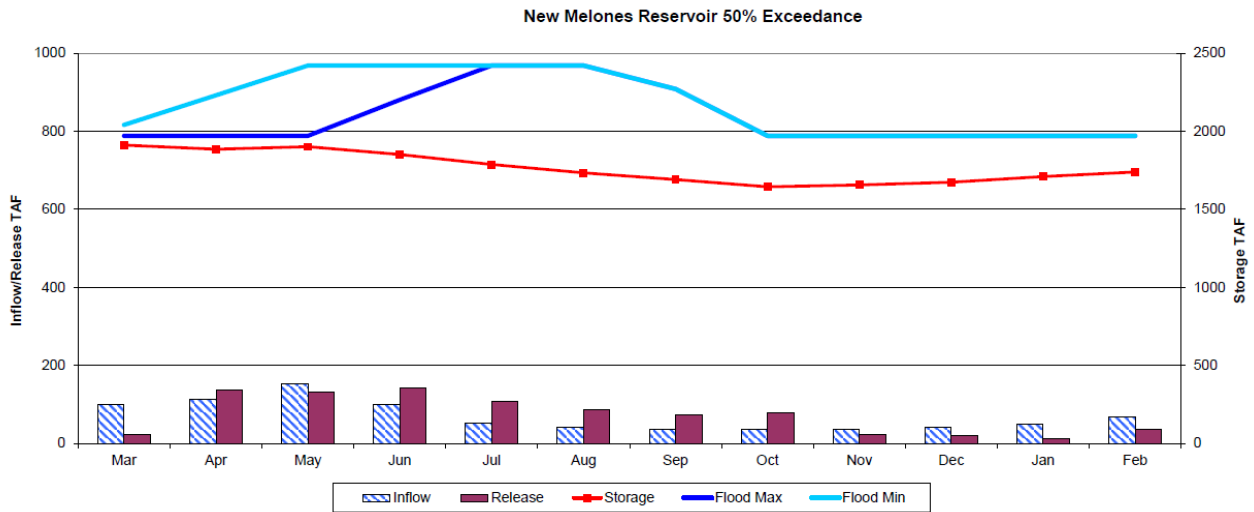


Figure 2. New Melones Reservoir 50% Exceedance

Figure 2 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 March 2025 – February 2026 and a line graph of the reservoir storage, flood maximum and flood minimum flows.

Table 12. New Melones 90% Exceedance

Month	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Storage (TAF)	1910	1810	1725	1608	1529	1470	1422	1366	1363	1361	1367	1325
Releases (TAF)	24	152	137	156	107	87	74	79	22	21	12	66
Inflow (TAF)	100	56	57	45	36	34	32	25	20	20	20	25
GW Releases (CFS)	200	984	545	899	150	150	150	577	200	200	200	1019

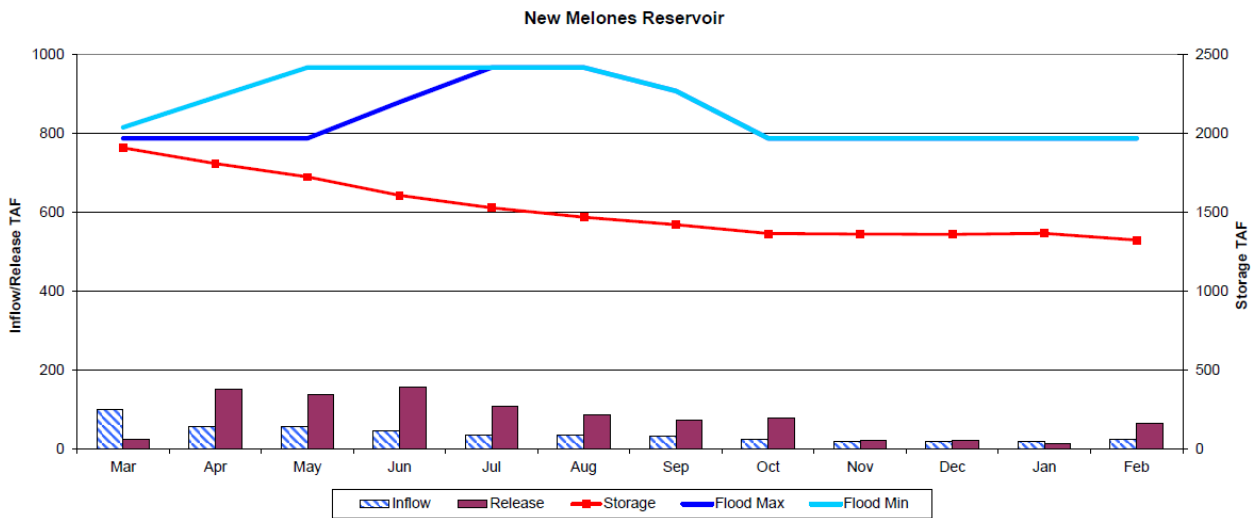


Figure 3. New Melones Reservoir 90% Exceedance

Figure 3 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 March 2025 – February 2026 and a line graph of the reservoir storage, flood maximum and flood minimum flows.

# March 2026 Water Temperature and Fish Monitoring Update

## Year-to-Date Flows

Goodwin releases since October 1, 2025, are shown in Figure 4.

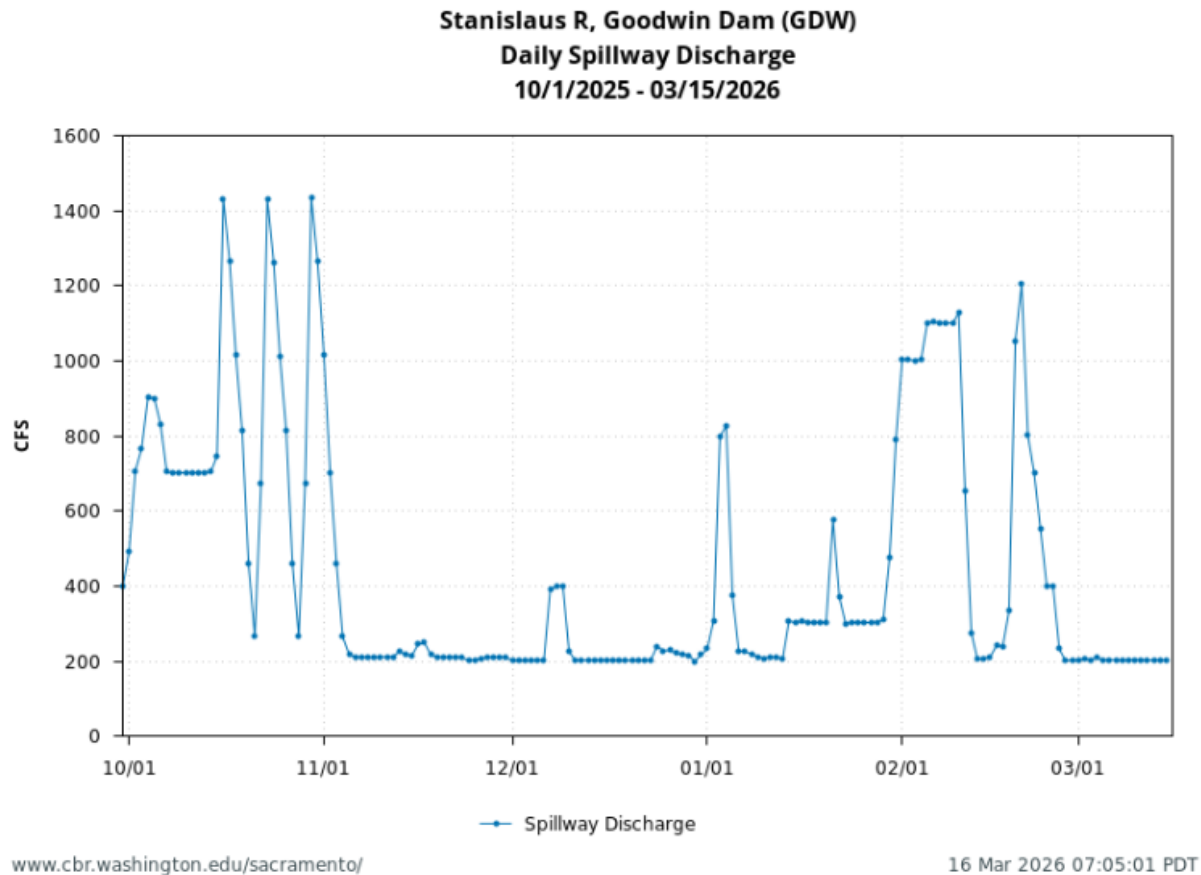


Figure 4. Goodwin (daily) releases to the Stanislaus River since October 1, 2025 (water year). Data from GDW station on CDEC.

Figure 4 is a line graph showing Goodwin Dam daily spillway discharge. The graph shows 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 increases between 400 cfs to 1200 cfs between December and March 2026.

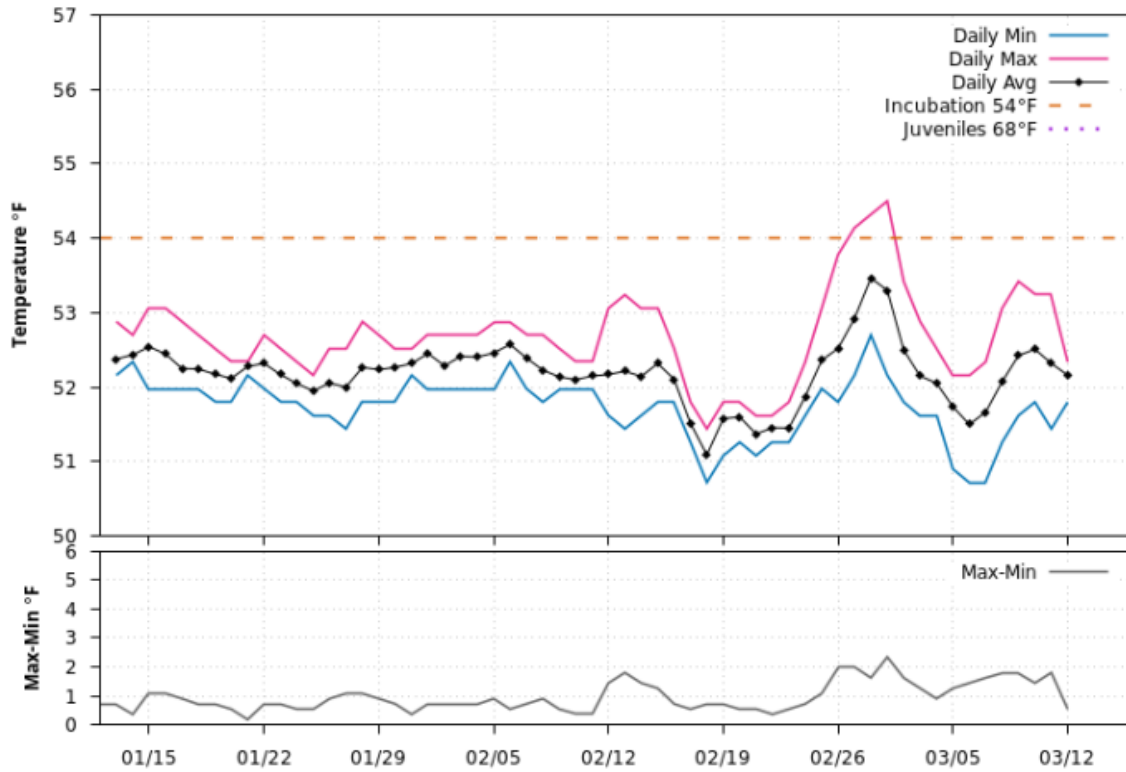
## Water Temperature

The temperature thresholds included in Figures 5-12, 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 December 2025 are shown below at Goodwin Canyon (Figure 5), Orange Blossom Bridge (Figure 6), and at Ripon (Figure 7). Water temperatures in the San Joaquin River since October 2025 are shown below at Vernalis (Figure 8). Current-year water temperatures are plotted along with historical temperatures for upstream of Orange Blossom Bridge (Figure 9), Ripon (Figure 10), and Vernalis (Figure 11). A compilation of Stanislaus River water temperatures and Goodwin releases Water Year 2026 is provided in Figure 12.

**Stanislaus R blw Goodwin Dam nr Knights Ferry USGS (11302000)**  
**Water Temperature**  
**01/13/2026 - 03/15/2026**



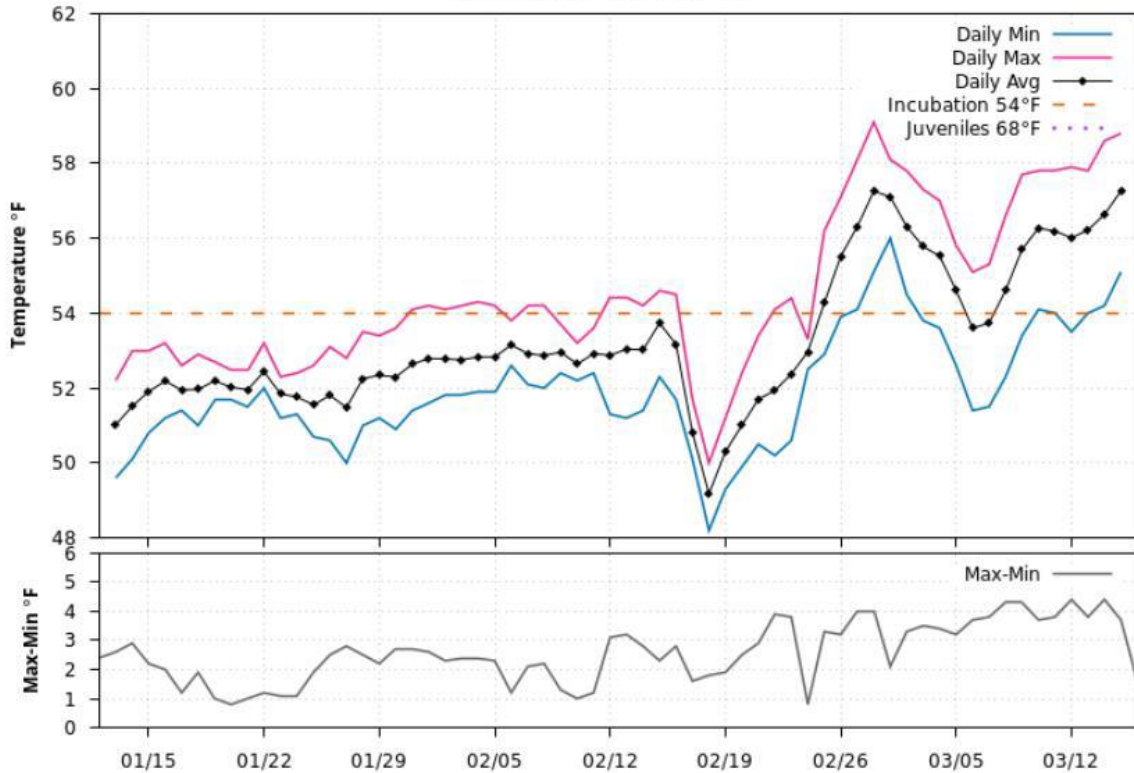
[www.cbr.washington.edu/sacramento/](http://www.cbr.washington.edu/sacramento/)

16 Mar 2026 07:05:02 PDT

Figure 5. Daily water temperatures on the Stanislaus River upstream of Knights Ferry since January 13, 2026. Data from USGS gage 11302000 on NWIS; temperature threshold reference line added by SWT.

Figure 5 is a 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**  
**01/13/2026 - 03/15/2026**



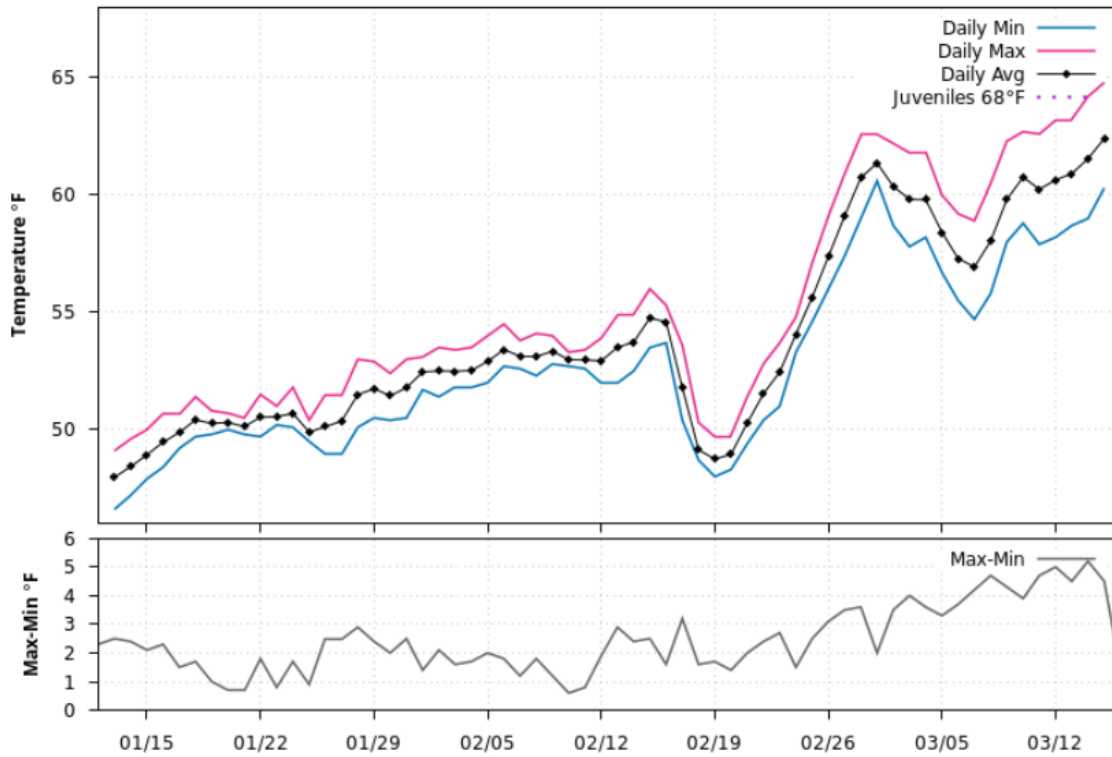
www.cbr.washington.edu/sacramento/

16 Mar 2026 07:05:02 PDT

Figure 6. Stanislaus (hourly) water temperatures at Orange Blossom Bridge since January 13, 2026. 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.

Figure 6 is a 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.

**Stanislaus R at Ripon (USGS) (RIP)**  
**Water Temperature**  
**01/13/2026 - 03/15/2026**



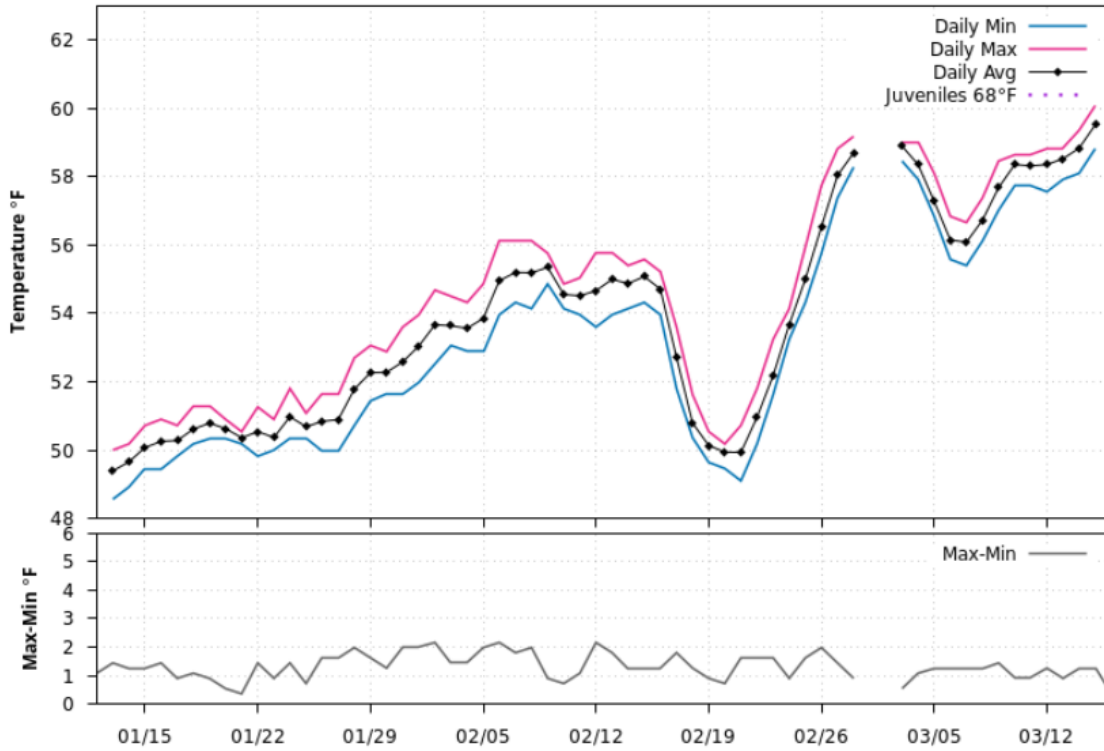
[www.cbr.washington.edu/sacramento/](http://www.cbr.washington.edu/sacramento/)

16 Mar 2026 07:05:02 PDT

Figure 7. Stanislaus water temperatures at Ripon since January 13, 2026. Data from RIP station on CDEC.

Figure 7 is a 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).

**San Joaquin R nr Vernalis (VNS)  
Water Temperature  
01/13/2026 - 03/15/2026**



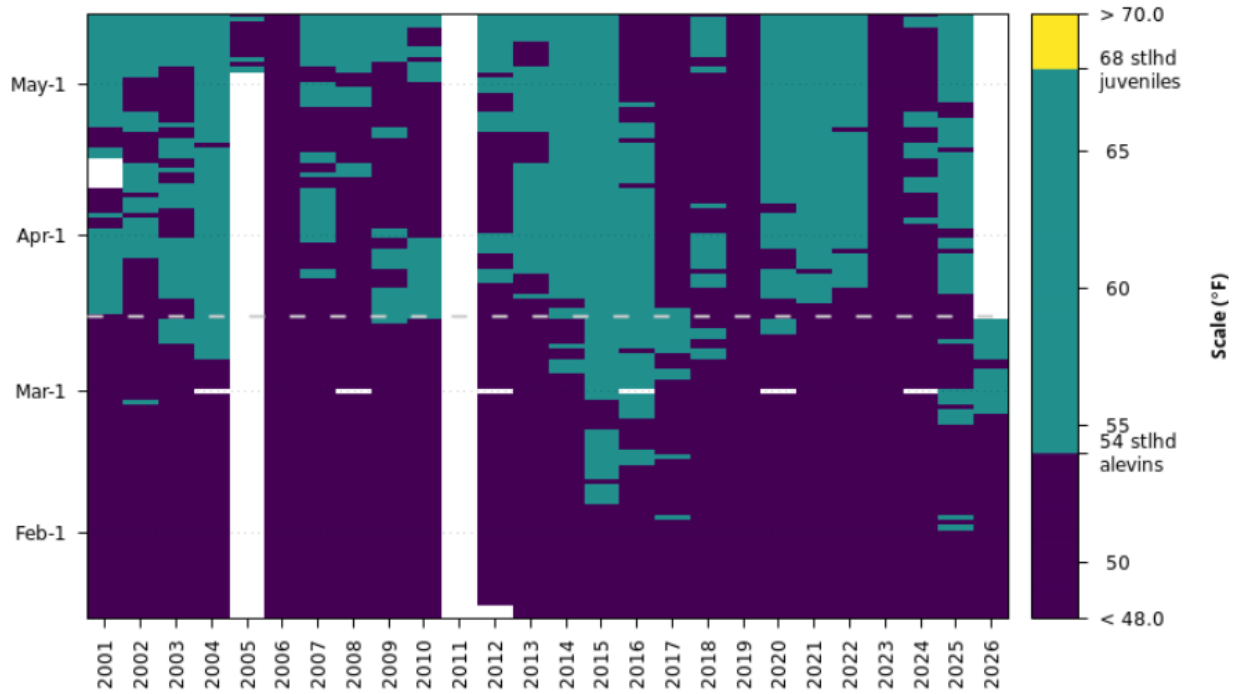
[www.cbr.washington.edu/sacramento/](http://www.cbr.washington.edu/sacramento/)

16 Mar 2026 07:05:02 PDT

Figure 8. San Joaquin River (15-minute) water temperatures at Vernalis since January 13, 2026. Data from VNS station on CDEC.

Figure 8 is a 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).

**Stanislaus R at Orange Blossom Bridge (OBB)  
2001-2026 Daily Average Water Temperature  
Observed Range 43.0-64.7  
01/15 - 05/15**



Data Source: California Data Exchange Center [www.cbr.washington.edu/sacramento/](http://www.cbr.washington.edu/sacramento/)  
May contain erroneous data: 2025. 16 Mar 2026 07:05:05 PDT

Figure 9. 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 9 is a bar chart showing water temperatures at Orange Blossom Bridge for WY 2001 to present for January to May. The chart shows that during this time, the daily average water temperature was mostly below 54 degrees Fahrenheit from late January to early March. With temperatures above 54 degrees Fahrenheit from mid-March to May.

**Stanislaus R at Ripon (USGS) (RIP)**  
**2012-2026 Daily Average Water Temperature**  
**Observed Range 43.1-73.5**  
**01/15 - 05/15**

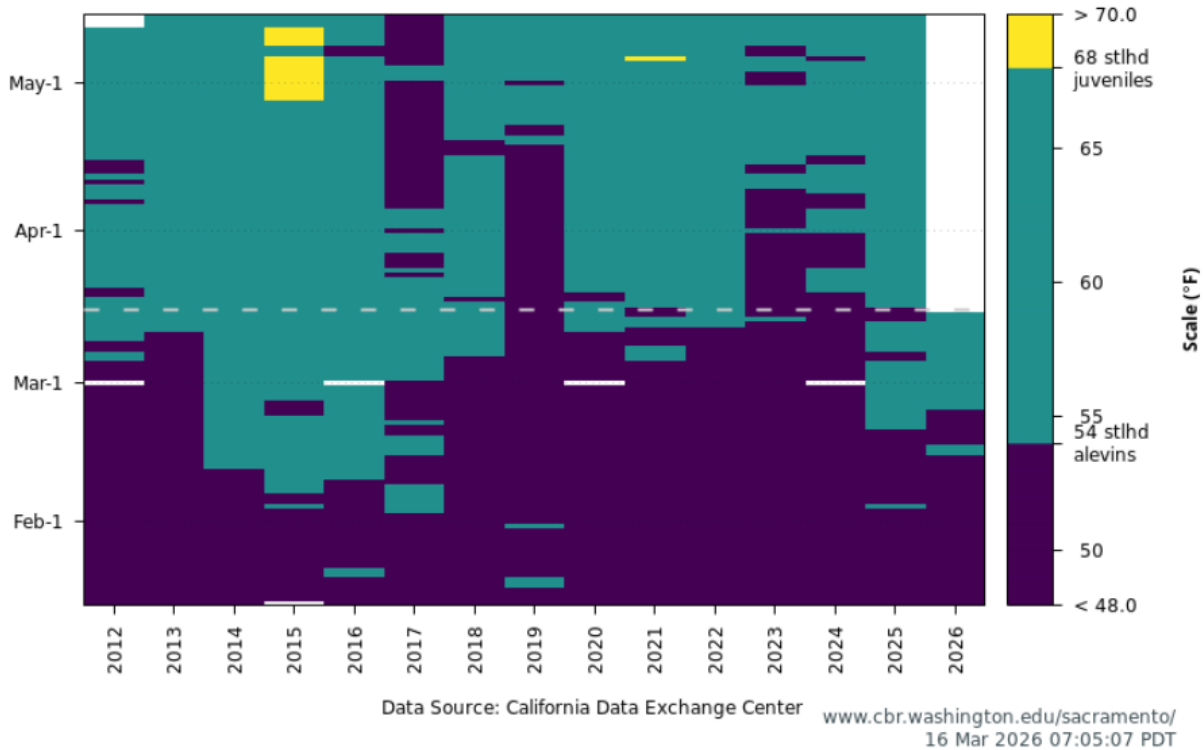


Figure 10. Stanislaus River water temperatures at Ripon for WY 2012 to present. Figure from [SacPAS website](#) using RIP station data from CDEC; temperature threshold reference line added by SWT.

Figure 10 is a bar chart showing water temperatures at Ripon for WY 2012 to present for January to May. The chart shows that during this time, the daily average water temperature was mostly between 54 and 68-degrees Fahrenheit from late November through early March. With temperatures above 68 degrees Fahrenheit in May 2015 and 2021.

**San Joaquin R nr Vernalis (VNS)**  
**2015-2026 Daily Average Water Temperature**  
**Observed Range 47.7-73.6**  
**01/15 - 05/15**

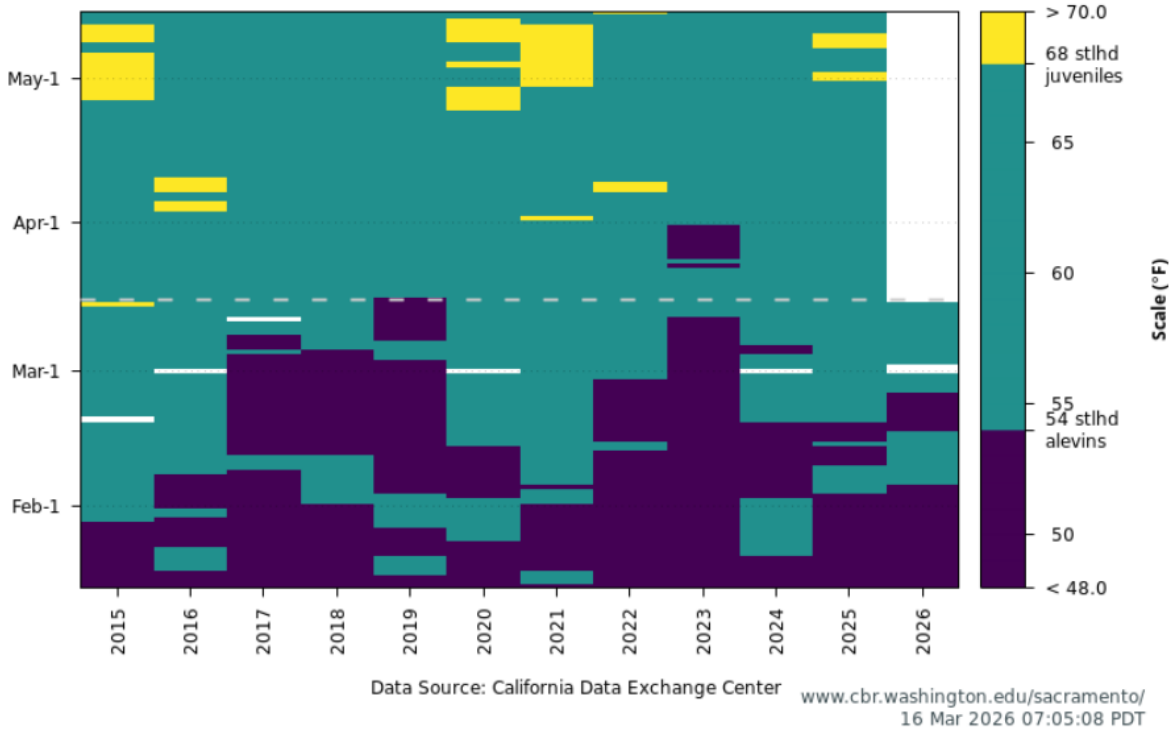


Figure 11. San Joaquin River water temperatures at Vernalis for WY 2015 to present. Figure from [SacPAS website](#) using VNS station data from CDEC; temperature threshold reference line added by SWT.

Figure 11 is a bar chart showing water temperatures at Vernalis for WY 2015 to present for January to May. The chart shows that during this time, the daily average water temperature was between 54 and 68 degrees Fahrenheit, with temperatures above 68 degrees Fahrenheit in May 2015, 2020, 2021 and 2025.

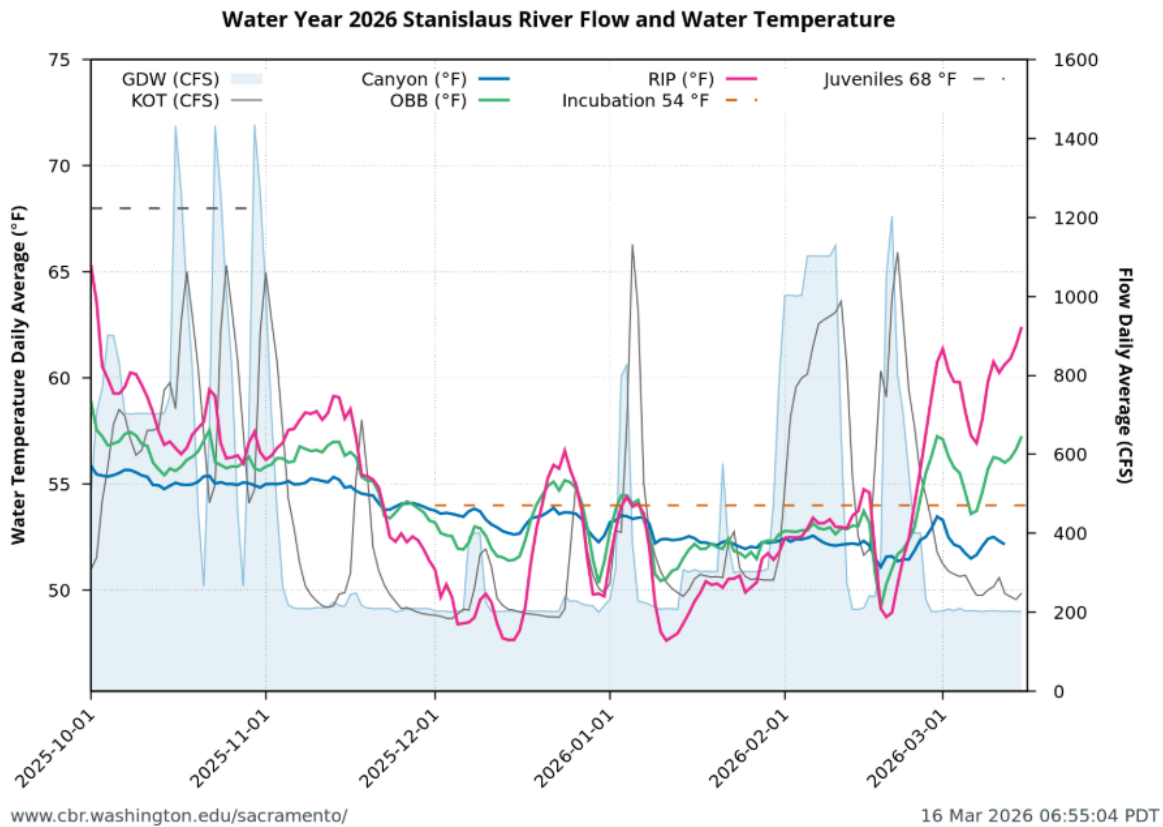


Figure 12. Stanislaus River flow and water temperatures from October 1, 2025 to March 16, 2026. [Data \(including temperature threshold reference lines\)](#) from SacPAS. Please be aware that due to malfunctions with the temperature gauge at Orange Blossom Bridge, the data should be noted as unreliable.

Figure 12 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, with increases beginning in January 2026 through March 2026.

## **CDFW and USBR**

### ***Updates on Flow Planning***

To be shared/discussed at the meeting.

### **Stanislaus River Forum (SFR) Call Updates**

To be shared/discussed at the meeting.

## **CDFW Update**

### ***Update on Fish Monitoring (Adults)***

Chinook carcass and redd surveys

Survey is expected to resume in October.

### **Update on Fish Monitoring (Juveniles)**

#### ***Mossdale Trawl***

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

The first Chinook for the season was captured on 1/5/2026.

Table 13. 2026 Salmonid Catch at Mossdale.

<b>Date</b>	<b>Catch</b>	<b>Comments</b>
1/5/2026	1 CHN	FL 34
1/8/2026	6 CHN	Ave FL 34.5
2/17/2026	1 CHN	FL 47
2/18/2026	1 CHN	FL 34
2/20/2026	7 CHN	Ave FL 36.7
2/23/2026	1 CHN	FL 34
2/25/2026	2 CHN	Ave FL 39
2/27/2026	1 CHN	FL 45
3/2/2026	2 CHN	Ave FL 50.5
3/4/2026	1 CHN	FL 100
3/9/2026	1 CHN	FL 43 also captured 1 CHN marked Pink Lower Caudal
3/13/2026	1 CHNT	Ave FL 80, both fish adipose clipped

# FISHBIO Updates

## Updates

Stanislaus River Weir: As of March 15, 2026, a total of 7,999 adult Chinook salmon have passed upstream of the Stanislaus River weir (Table 14). Ten *O. mykiss* (Table 15) have been observed passing the Stanislaus River weir as of March 15, nine were over 16 inches (Figure 16) and nine were adipose fin clipped. Livebox trapping is occurring at the Stanislaus River weir targeting *O. mykiss*, and will continue through the spring as flow and conditions will allow.

Table 14: Chinook passage at the Stanislaus River Weir as of March 15 of each year and the season totals.

Year	Monitoring Start Date	Net Passage To Date	Season Total
2025	9/11/25	7,999	3,643
2024	9/5/24	3,640	2,443
2023	9/6/23	2,443	3,798
2022	9/15/22	3,798	6,032
2021	9/8/21	6,025	1,906
2020	9/10/20	1,906	2,594
2019	8/29/19	2,594	4,779
2018	9/5/18	4,779	8,500
2017	9/15/17	8,500	14,399
2016	9/8/16	14,399	12,707
2015	9/15/15	12,707	5,527
2014	9/5/14	5,527	5,452
2013	9/3/13	5,451	7,248
2012	9/11/12	7,157	776
2011	11/8/11	775	1,364
2010	9/7/10	1,364	1,303
2009	9/9/09	1,291	928
2008	9/9/08	928	439
2007	9/22/07	439	3,074
2006	9/8/06	3,063	4,124
2005	9/8/05	4,124	4,448
2004	9/10/04	4,448	4,848
2003	9/5/03	4,848	3,643

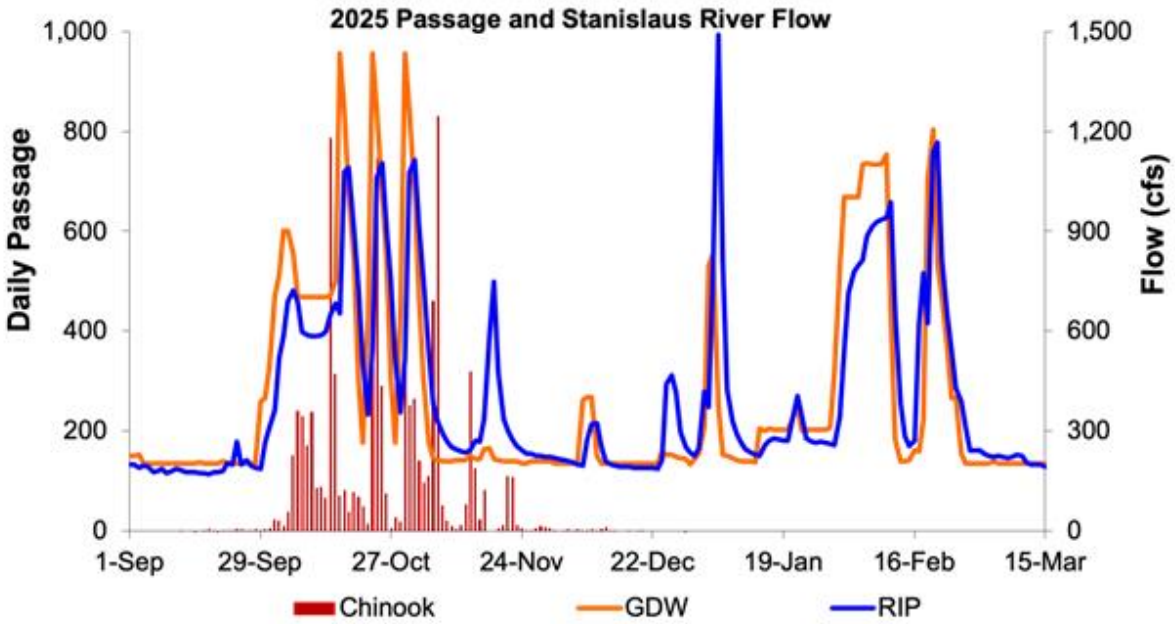


Figure 13. Daily Chinook passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP), 2025-26.

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.

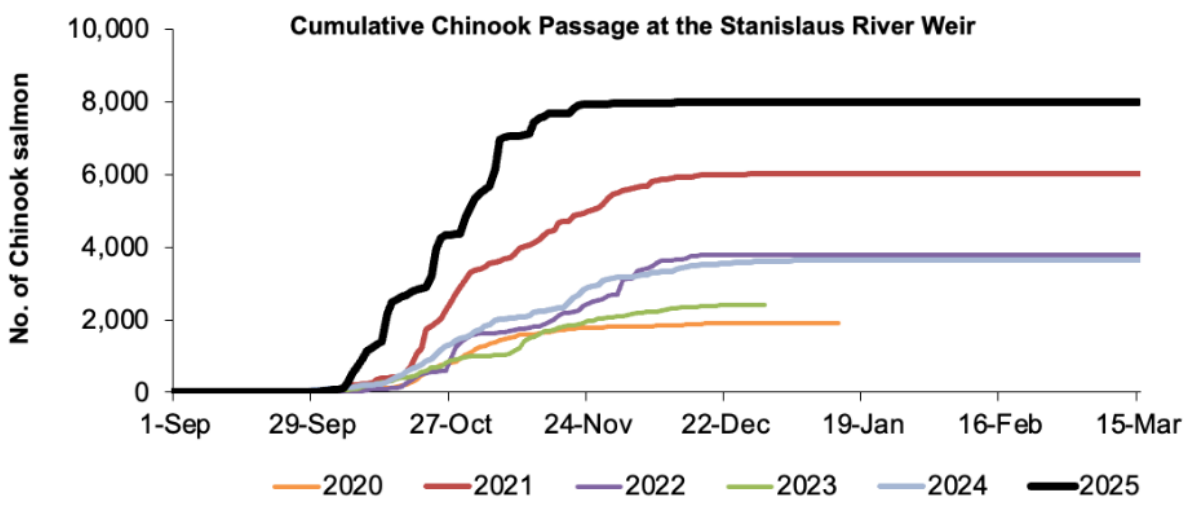


Figure 14. Cumulative Chinook passage at the Stanislaus River weir during 2020-2025

Figure 14 is a graph of cumulative Chinook passage at the Stanislaus River, which shows a high increase in passage early in October 2025 compared to other years.

Table 15: O. mykiss passage at the Stanislaus River Weir as of March 15 of each year and the season totals.

<b>Year</b>	<b>Monitoring Start Date</b>	<b>Net Passage To Date</b>	<b>Season Total</b>
2025	9/11/25	10	10
2024	9/5/24	20	20
2023	9/6/23	52	55
2022	9/15/22	6	6
2021	9/8/21	36	50
2020	9/10/20	8	8
2019	8/29/19	31	31
2018	9/5/18	25	25
2017	9/15/17	11	11
2016	9/8/16	24	25
2015	9/15/15	5	5
2014	9/5/14	8	8
2013	9/3/13	38	39
2012	9/11/12	81	101
2011	11/8/11	79	86
2010	9/7/10	6	6
2009	9/9/09	9	9
2008	9/9/08	15	15
2007	9/22/07	2	2
2006	9/8/06	11	12
2005	9/8/05	0	0
2004	9/10/04	1	1
2003	9/5/03	0	0

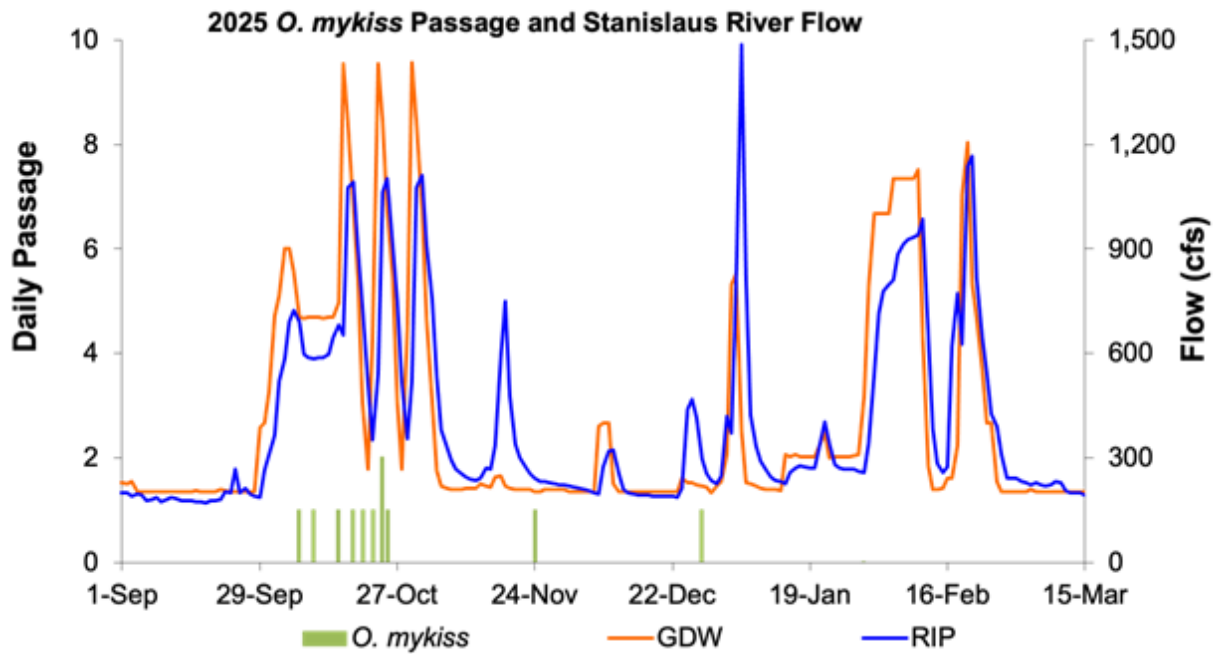


Figure 15. Daily *O. mykiss* passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP), 2025-26.

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 and December

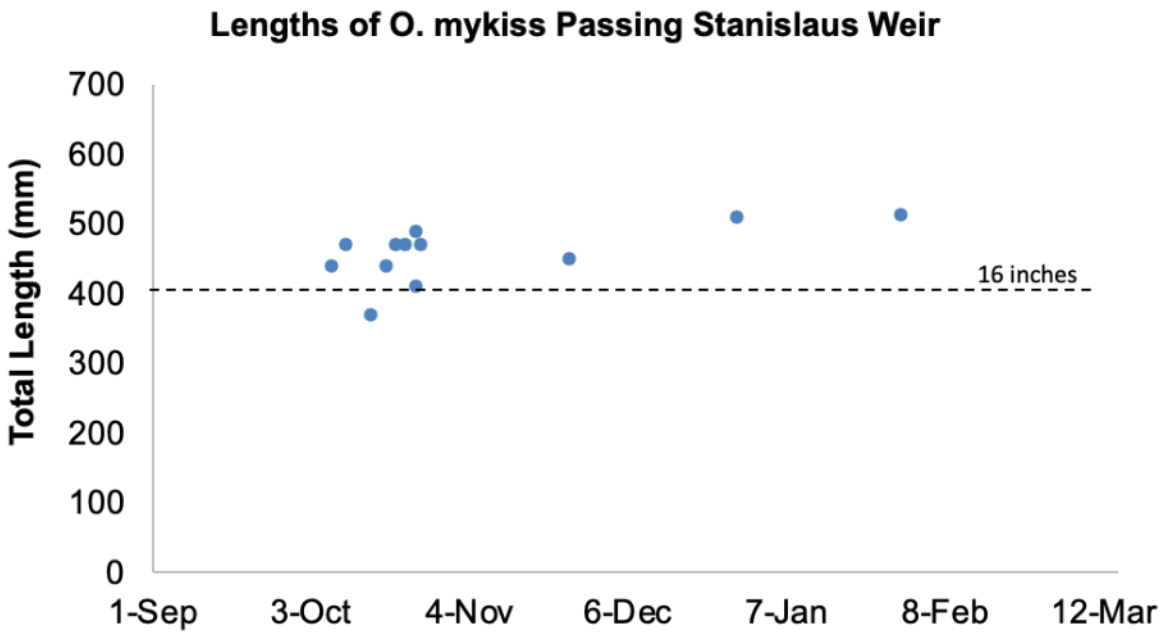


Figure 16. Individual lengths of *O. mykiss* detected at the Stanislaus River weir during 2025-26.

Figure 16 is a graph of individual lengths of *O. mykiss* detected at the Stanislaus River weir with most detected mid-October.