



— BUREAU OF —
RECLAMATION

American River Group

1:30 PM – 3:30 PM

Conference Line: +1 (321) 209-6143; Access Code:596336817#

Webinar: Join Microsoft Teams Meeting

Thursday, August 20, 2026

Agenda

1. Introductions
2. Announcements
 - a. ARG Calendar invite scheduling
3. Operations Forecast
 - a. SMUD
 - b. PCWA
4. Central Valley Operations
5. Fisheries Update
 - a. CDFW
 - b. CFS
 - c. FISHBIO
 - d. PSMFC
6. SDM Overview
7. Next Meeting & Action Items:
 - a. ARG SDM Ad Hoc meeting one scheduling updates.
 - b. If you haven't [filled out the poll yet](#), please do so by EOD tomorrow, 8/21.
 - c. Regular Monthly ARG Meeting – Thursday, September 17, 1:30-3:30 p.m.

American River Group - SMUD Update

Data Current as of 08/19/2026

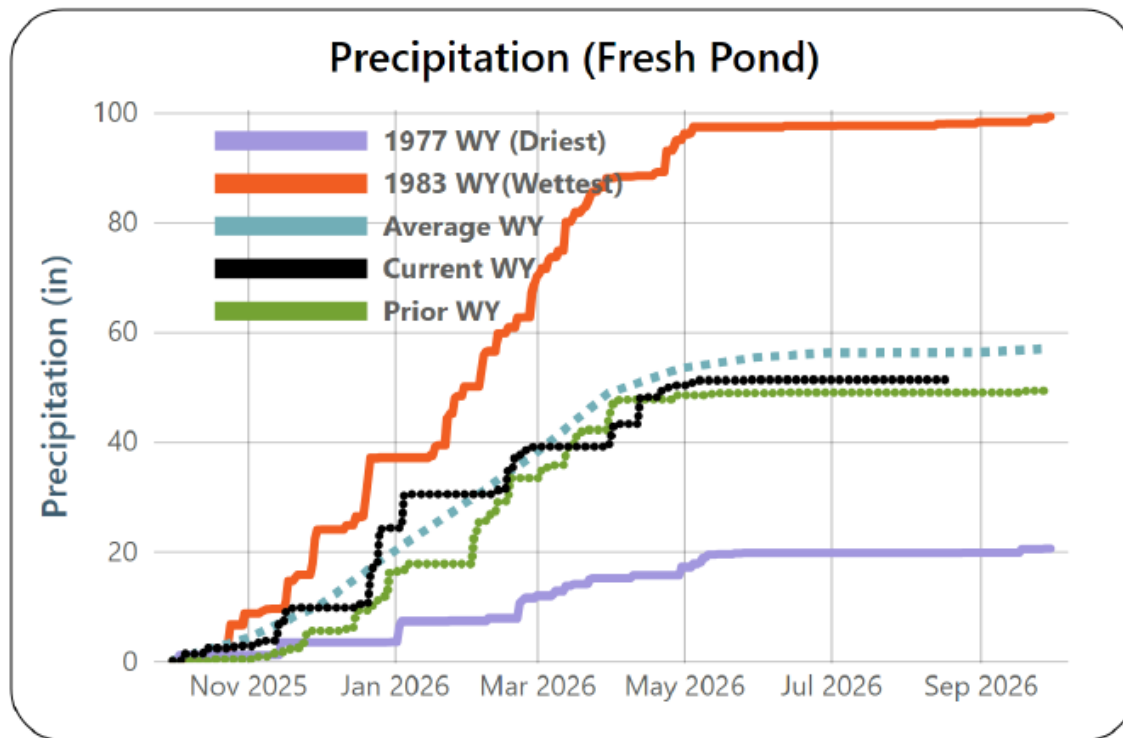


Figure 1. Fresh Pond Precipitation

Figure 1 is a line graph of fresh pond precipitation in inches for October 2025 – September 2026. It includes precipitation data from the driest water year (1977), 1983's water year snowpack, average, current, and prior water year. The current precipitation is 91.1% of the average to date and 90.0% of the water year average.

Table 1. Fresh Pond Precipitation

Month	Current Water Year	Historical Average	% of Historical Average
October	2.70	3.99	68%
November	7.00	5.87	119%
December	14.50	9.88	147%
January	6.20	9.16	68%
February	8.55	8.70	98%
March	0.08	11.28	1%
April	11.21	4.46	251%
May	0.97	2.02	48%
June	0.00	0.78	0%

Month	Current Water Year	Historical Average	% of Historical Average
July	0.01	0.04	25%
August	0.00	0.04	0%
September	0.00	0.72	0%
Total	51.22	56.94	90%

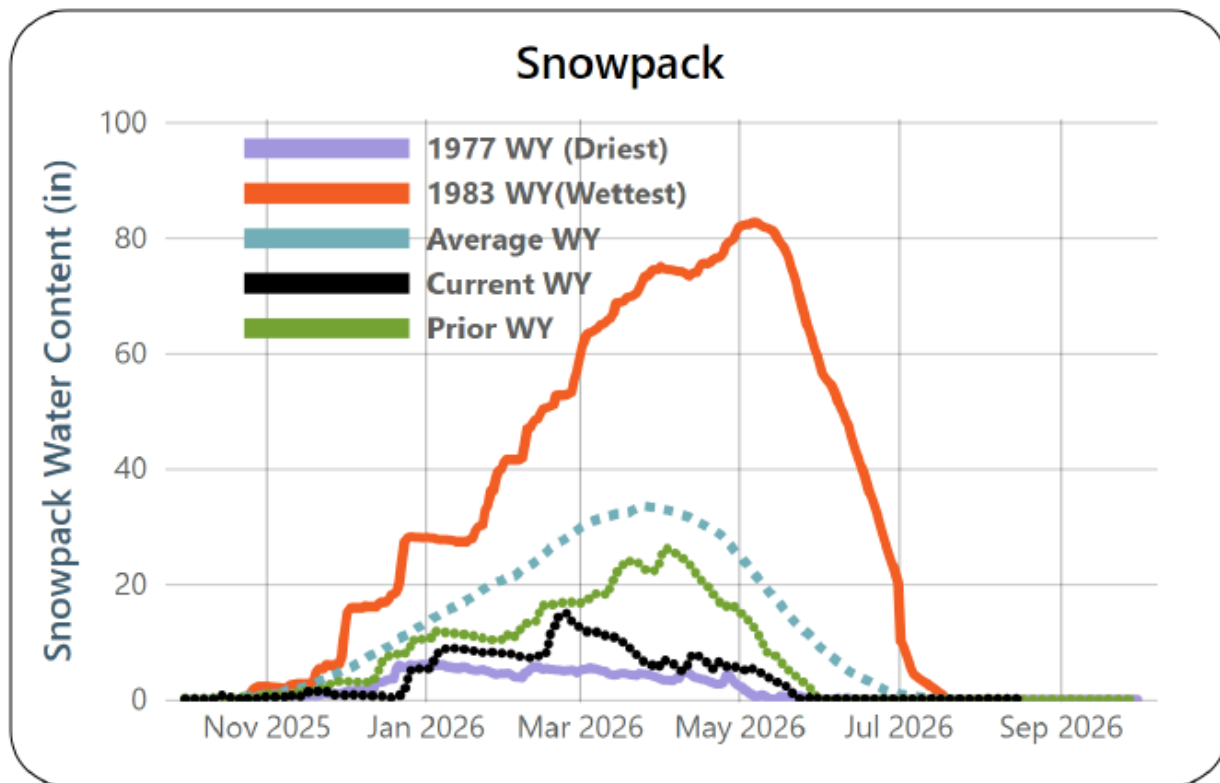


Figure 2. Snowpack

Figure 2 is a line graph of snowpack water content in inches for October 2025- September 2026. It includes data from the driest water year (2015), 1983's water year snowpack, average, current, and prior water year. Runoff into the storage reservoir basins is 0.0% of average to date and 0.4% of the April 1 average.

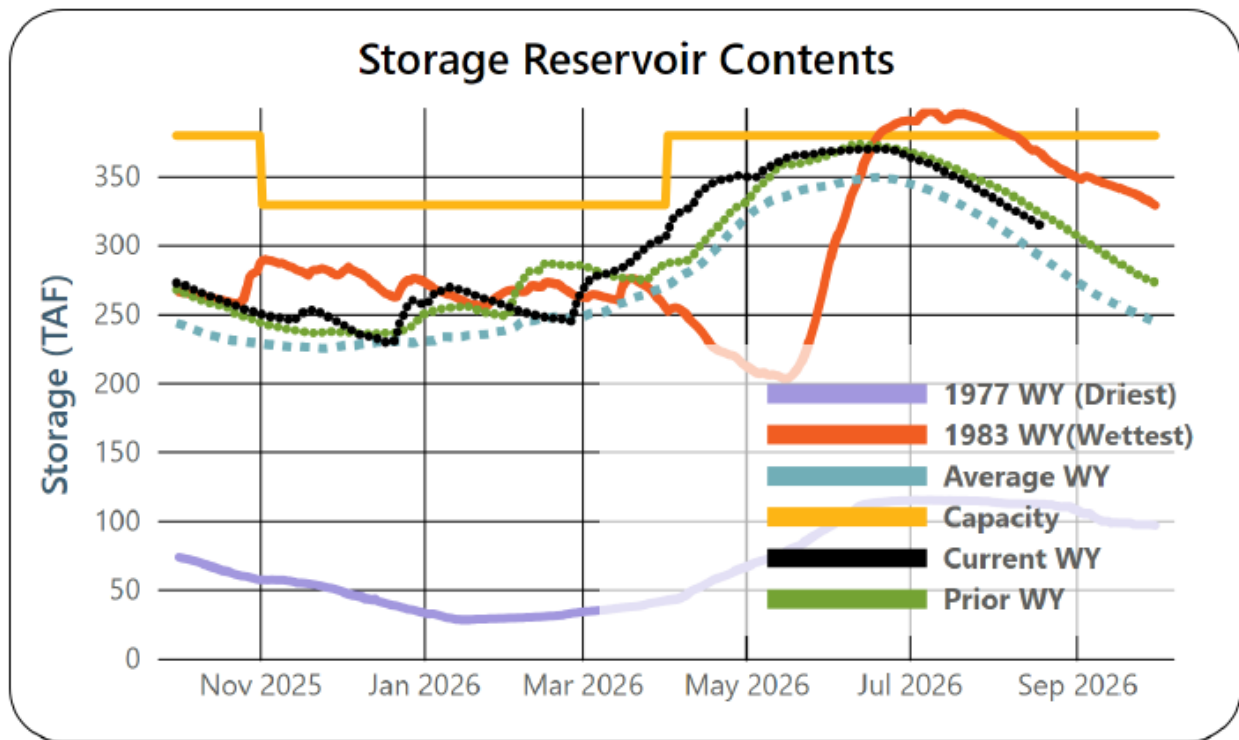


Figure 3. Storage Reservoir Contents

Figure 3 is a line graph of SMUD storage reservoir contents for October 2025 through September 2026. It includes data from the driest water year (1977), 1983's water year snowpack, average, current, and prior water year. The total capacity of the reservoir network is also shown.

Table 2. SMUD Storage Reservoirs

Reservoir	Capacity Acre-ft	Current Acre-ft	Current % Full	Prior Year Acre-Ft	Prior Year % Full	Hist. Avg Acre-ft	Hist. Avg % Full
Loon Lake Reservoir	69,310	54,161	78.1%	58,881	85%	51,886	75%
Ice House Reservoir	43,500	33,417	76.8%	36,251	83%	33,543	77%
Union Valley Reservoir	266,370	225,359	84.6%	228,574	86%	206,557	78%
Total Reservoir Storage	379,180	312,937	82.5%	323,706	85%	291,986	77%

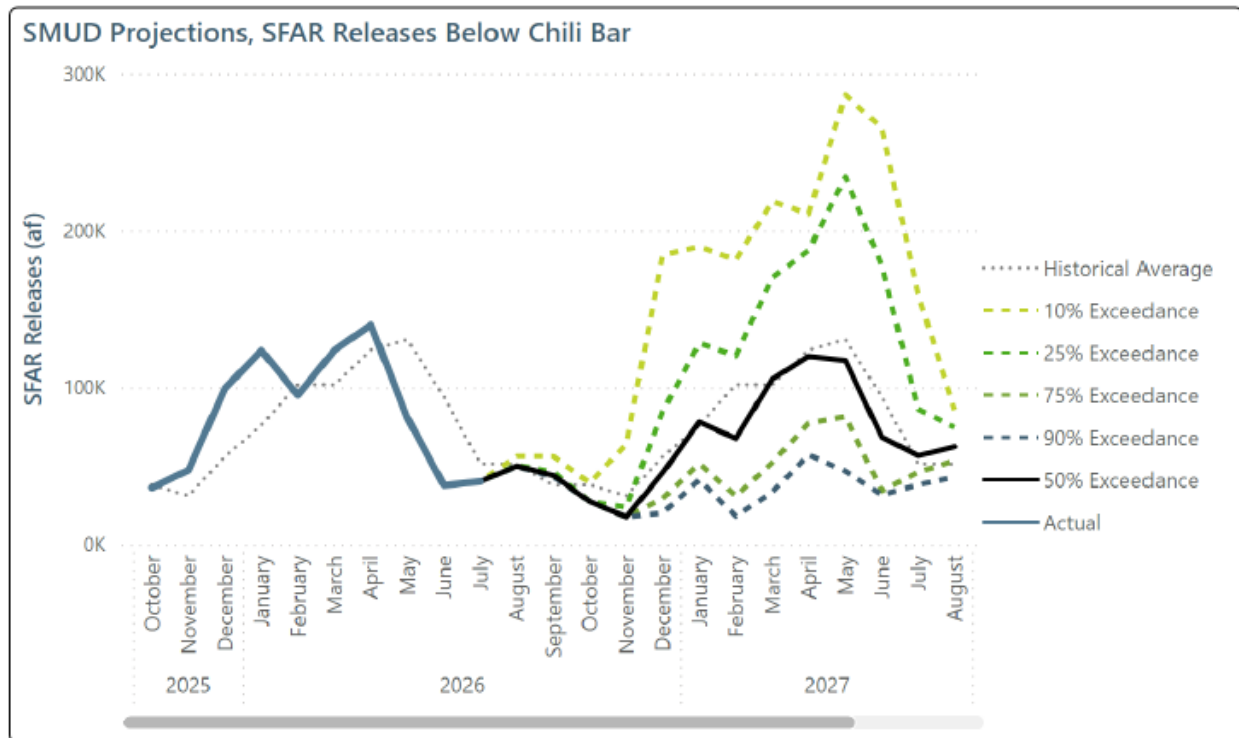


Figure 4. Chili Bar releases into the South Fork American River. Projections based on forecast from August 19, 2026.

Figure 4 is a line graph of observed and projected releases below Chili Bar from October 2025 to December 2026. The graph includes a last 10-year average, actual prior water year data, and projections of 90%, 75%, 50%, 25%, and 10% exceedance likelihood.

Table 3. Chili Bar releases into the South Fork American River

Type (Actual or Forecast)	Date	Daily Mean Release Rate (cfs)	Monthly Total Release (acre-ft)	Monthly Total Release (90% Exceedance)	Monthly Total Release (10% Exceedance)
Actual	Oct-25	589	36,150	36,150	36,150
Actual	Nov-25	797	47,329	47,329	47,329
Actual	Dec-25	1,619	99,405	99,405	99,405
Actual	Jan-26	2,013	123,558	123,558	123,558
Actual	Feb-26	1,718	95,255	95,255	95,255
Actual	Mar-26	2,017	123,809	123,809	123,809
Actual	Apr-26	2,355	139,898	139,898	139,898
Actual	May-26	1,315	80,708	80,708	80,708
Actual	Jun-26	634	37,649	37,649	37,649
Forecast	Jul-26	654	40,142	40,142	40,142

Type (Actual or Forecast)	Date	Daily Mean Release Rate (cfs)	Monthly Total Release (acre-ft)	Monthly Total Release (90% Exceedance)	Monthly Total Release (10% Exceedance)
Forecast	Aug-26	814	49,950	49,693	56,207
Forecast	Sep-26	740	43,959	43,086	56,056
Forecast	Oct-26	444	27,277	27,277	39,148
Forecast	Nov-26	294	17,471	17,471	63,965
Forecast	Dec-26	746	45,806	20,048	184,595
Forecast	Jan-27	1,271	78,001	41,147	189,820

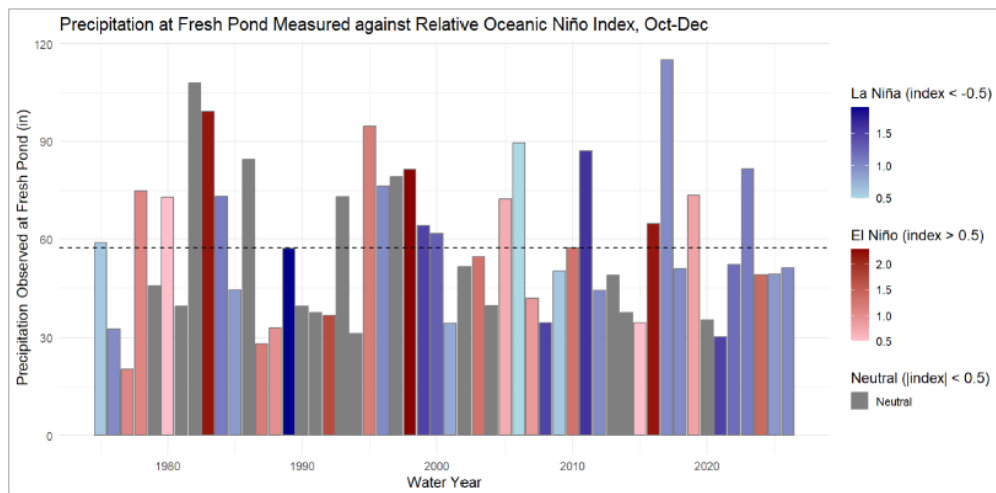


Figure 5. Precipitation at Fresh Pond Measured against Relative Oceanic Niño Index, Oct-Dec

Figure 5 is a bar chart showing precipitation observed at Fresh Pond (inches) for each water year from approximately 1975 to 2025. Bars are color-coded by Oceanic Niño Index category: blue shades for La Niña (index < -0.5, gradient from 0.5 to 1.5+), red shades for El Niño (index > 0.5, gradient from 0.5 to 2.0+), and gray for Neutral (|index| < 0.5). A dashed horizontal line is drawn across the chart at approximately 58 inches. Bar heights vary by year, ranging from approximately 20 inches to approximately 115 inches. Source: [National Weather Service Climate Prediction Center](https://www.weather.gov/climate/prediction-center)

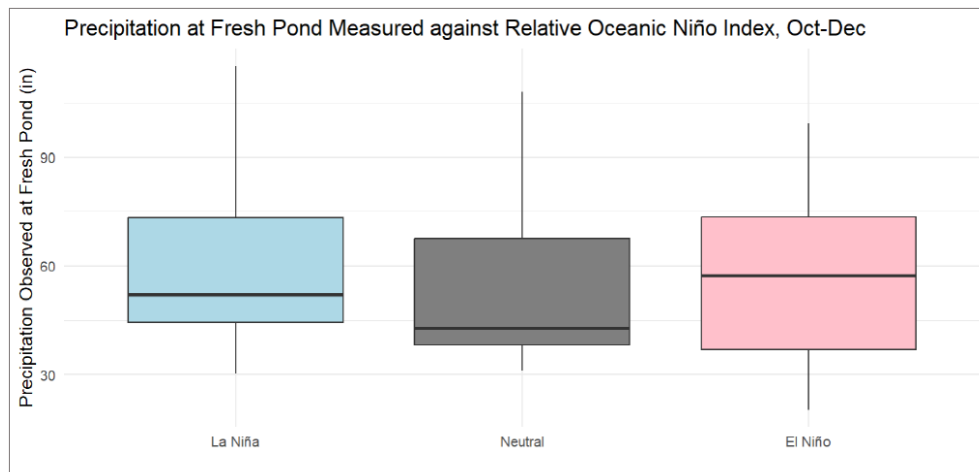


Figure 6. Precipitation at Fresh Pond Measured against Relative Oceanic Niño Index, Oct-Dec

Figure 6 is a box plot showing precipitation observed at Fresh Pond (inches) grouped into three categories: La Niña, Neutral, and El Niño. The La Niña box spans approximately 44 to 73 inches with a median around 52 inches, and whiskers extending from approximately 28 to 111 inches. The Neutral box spans approximately 38 to 68 inches with a median around 42 inches, and whiskers extending from approximately 33 to 105 inches. The El Niño box spans approximately 38 to 74 inches with a median around 57 inches, and whiskers extending from approximately 20 to 100 inches. Source: [National Weather Service Climate Prediction Center](https://www.weather.gov/climate/prediction-center)

PCWA MFP Operations Overview for American River Operations Group (Real Time Data as of August 20, 2026)

- French Meadows Storage = 102,000 AF of 136,405 AF = 75% Capacity
 - MFAR above FM Inflow (R24) = 7-day AVG <5 cfs
- Hell Hole Storage = 133,000 AF of 207,590 AF = 64% Capacity
 - Five Lakes Inflow (R23) = 7-day AVG <5 cfs;
 - Rubicon Inflow (R22) = 7-day AVG <5 cfs;
- Combined Storage (FM+HH) = 235,000 AF/342,590 AF = 69% Capacity; 99% of AVG (66'-25')
- MFAR @ R11: 7-day AVG ~775 cfs
- NFAR @ ARPS: 7-day AVG ~915 cfs
- Combined storage for the last 30 days => - 47 TAF
 - French Meadows = -14 TAF
 - Hell Hole = -32 TAF
- Combined storage on 8/20/2025 = 239 TAF; 100% of HISTORICAL AVG
- PCWA continues summer hydro-operations - providing MFP water to the PCWA service areas while maintaining recreational releases 7-days-per-week in the MFAR and environmental flows consistent with PCWA's FERC license.
- 2026 PCWA Petition for Temporary Change in POD/PORD and POU Under P13856
 - SWRCB Order Issued August 10th, 2026.
 - PCWA intends to initiate Transfer releases starting tomorrow (8/21/2026).
 - 21,053 AF of surplus MFP water will be released to Folsom Reservoir through September 30th, 2026.

Table 4. Reservoir Releases in Cubic Feet/Second

Reservoir	Dam	WY 2025	WY 2026	15 Yr Median
Trinity	Lewiston	448	450	450
Sacramento	Keswick	9,465	10,939	9,944
Feather	Oroville (SWP)	7,000	8,001	5,500
American	Nimbus	2,005	4,495	2,746
Stanislaus	Goodwin	227	225	253
San Joaquin	Friant	249	355	355

Table 5. Storage in Major Reservoirs in Thousands of Acre-Feet

Reservoir	Capacity	15 Yr Avg	WY 2025	WY 2026	% of 15 Yr Avg
Trinity	2,448	1,464	2,006	1,817	124
Shasta	4,552	2,680	2,974	2,790	104
Folsom	977	512	492	514	100
New Melones	2,420	1,364	1,676	1,578	116
Fed. San Luis	966	295	252	399	135
Total North CVP	11,363	6,315	7,400	7,098	112
Millerton	521	291	262	251	86
Oroville (SWP)	3,425	1,936	2,482	2,177	112

Table 6. Accumulated Inflow for Water Year to Date in Thousands of Acre-Feet

Reservoir	Current WY 2026	WY 1977	WY 1983	15 Yr Avg	% of 15 Yr Avg
Trinity	1,087	202	2,835	1,054	103
Shasta	4,715	2,311	10,385	4,545	104
Folsom	2,306	319	6,321	2,401	96
New Melones	731	N/A	2,669	924	79
Millerton	1,376	305	4,402	1,451	95

Table 7. Accumulated Precipitation for Water Year to Date in Inches

Reservoir	Current WY 2026	WY 1977	WY 1983	Average (N Years)	% of Average	Last 24 Hours
Trinity at Fish Hatchery	31.02	12.11	55.19	30.27 (66)	102	0.00
Sacramento at Shasta Dam	68.76	17.42	112.58	59.09 (71)	116	0.00
American at Blue Canyon	59.36	15.64	103.88	63.90 (52)	93	0.00
Stanislaus at New Melones	28.38	N/A	45.33	26.70 (49)	106	0.00
San Joaquin at Huntington Lk	31.49	17.50	82.80	39.64 (53)	79	0.00

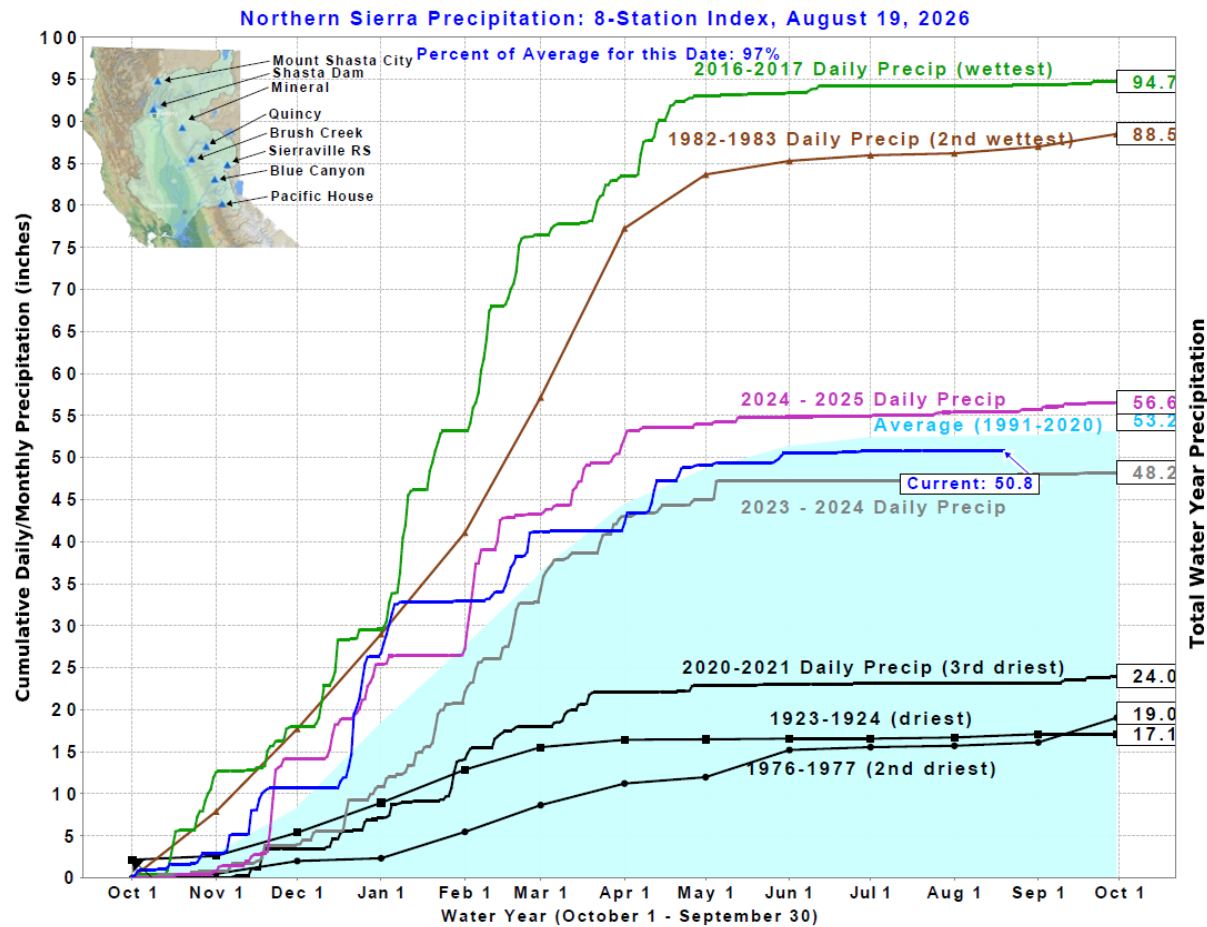


Figure 7. Total and Daily/Monthly Precipitation for Water Year 2026

Figure 7 is a graph depicting total year precipitation and cumulative daily/monthly precipitation in inches for the Northern Sierra 8-Station Index as of August 19, 2026. The average for 1991–2020 is shown as a shaded blue area (53.2 inches), 2016–2017 daily precipitation is the wettest at 94.7 inches, 1982–1983 is the 2nd wettest at 88.5 inches, 2024–2025 daily precipitation is at 56.6 inches, the current water year (2025–2026) is at 50.8 inches (97% of average for this date), 2023–2024 daily precipitation is at 48.2 inches, 2020–2021 (3rd driest) is at 24.0 inches, 1923–1924 (driest) is at 17.1 inches, and 1976–1977 (2nd driest) is at 19.0 inches.



Northern Sierra 8-Station

Precipitation Index for Water Year 2026 – Updated on August 18, 2026 11:48 AM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST

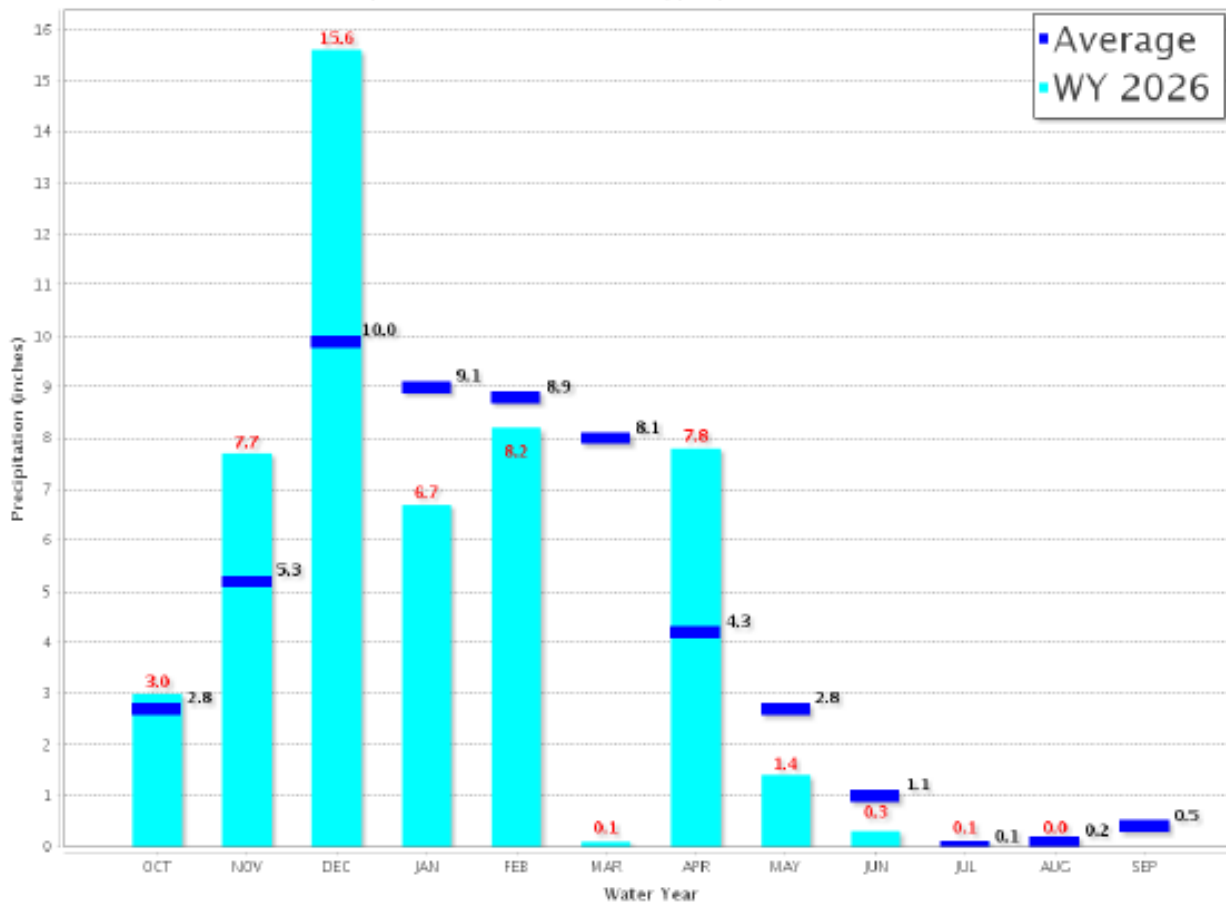


Figure 8. Northern Sierra 8-Station Precipitation Index for Water Year 2026, Updated August 18, 2026

Figure 8 is a bar chart showing monthly precipitation (inches) for Water Year 2026 at the Northern Sierra 8-Station Index, compared against monthly average values. Cyan bars show WY 2026 precipitation by month: Oct 3.0, Nov 7.7, Dec 15.6, Jan 6.7, Feb 8.2, Mar 0.1, Apr 7.8, May 1.4, Jun 0.3, Jul 0.1, Aug 0.0, Sep 0.5. Navy horizontal markers show average precipitation by month: Oct 2.8, Nov 5.3, Dec 10.0, Jan 9.1, Feb 8.9, Mar 8.1, Apr 4.3, May 2.8, Jun 1.1, Jul 0.1, Aug 0.2, Sep 0.5.

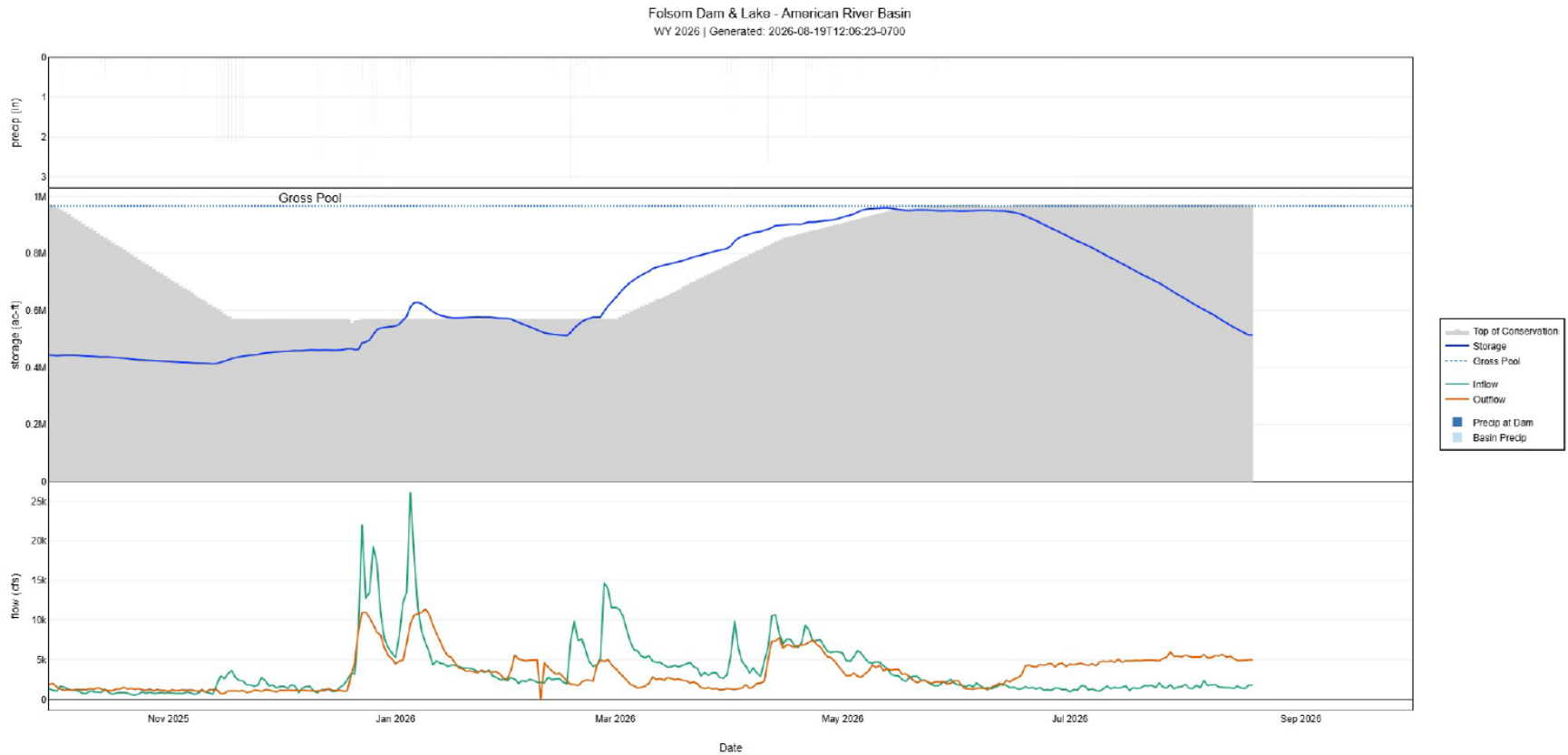


Figure 9. Folsom Dam and Lake Flow, Storage, and Precipitation Totals

Figure 9 shows precipitation, storage, and flow data for Folsom Dam and Lake on the American River Basin for Water Year 2026. Storage (blue line) begins near 450,000 acre-feet, fluctuates through winter, then climbs steadily from March through May to reach near gross pool capacity by mid-May, remaining there through June. Inflow (teal) spikes above outflow (orange) during high-flow events, peaking above 25,000 cfs in early January and near 15,000 cfs in early March.

Bureau of Reclamation
Historical Archive and Report Database

Table 8. June 2026 | Folsom Lake Daily Operations | Run Date: 08/10/2026

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre- Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. River Power	Release - C.F.S. River Spill	Release - C.F.S. River Outlet	Pumping Plant	Evap. - C.F.S.	Evap. - Inches	Precip Inches
N/A	N/A	863.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	454.90	856.4	-7.2	968	4,241	0	0	229	119	0.34	0.00
2	454.29	850.0	-6.4	1,250	4,137	0	0	239	108	0.31	0.00
3	453.65	843.3	-6.7	1,209	4,257	0	0	236	97	0.28	0.00
4	453.09	837.5	-5.9	1,729	4,306	0	0	253	121	0.35	0.00
5	452.55	831.9	-5.6	1,702	4,156	0	0	254	124	0.36	0.00
6	451.94	825.5	-6.3	1,215	4,050	0	0	242	117	0.34	0.00
7	451.31	819.0	-6.5	1,341	4,297	0	0	217	109	0.32	0.00
8	450.69	812.6	-6.4	1,139	4,020	0	0	237	102	0.30	0.00
9	449.96	805.1	-7.5	1,065	4,483	0	0	248	112	0.33	0.00
10	449.26	798.0	-7.1	1,358	4,586	0	0	242	132	0.39	0.00
11	448.64	791.7	-6.3	1,696	4,495	0	0	266	114	0.34	0.00
12	447.94	784.6	-7.1	1,384	4,641	0	0	241	80	0.24	0.00
13	447.31	778.2	-6.3	1,550	4,446	0	0	244	60	0.18	0.00
14	446.57	770.8	-7.4	1,462	4,845	0	0	246	116	0.35	0.00
15	445.92	764.3	-6.5	1,549	4,408	0	0	280	139	0.42	0.00

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre- Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. River Power	Release - C.F.S. River Spill	Release - C.F.S. River Outlet	Pumping Plant	Evap. - C.F.S.	Evap. - Inches	Precip Inches
16	445.26	757.7	-6.6	1,720	4,642	0	0	248	139	0.42	0.00
17	444.49	750.1	-7.6	1,165	4,622	0	0	250	138	0.42	0.00
18	443.78	743.1	-7.0	1,489	4,635	0	0	248	137	0.42	0.00
19	443.04	735.8	-7.3	1,411	4,649	0	0	289	137	0.42	0.00
20	442.31	728.7	-7.1	1,429	4,622	0	0	264	136	0.42	0.00
21	441.63	722.1	-6.6	1,759	4,696	0	0	262	135	0.42	0.00
22	440.94	715.4	-6.7	1,720	4,703	0	0	253	135	0.42	0.00
23	440.26	708.9	-6.6	1,786	4,719	0	0	236	134	0.42	0.00
24	439.53	701.9	-7.0	1,520	4,702	0	0	238	111	0.35	0.00
25	438.91	695.9	-5.9	2,072	4,646	0	0	250	165	0.52	0.00
26	438.14	688.6	-7.3	1,606	4,934	0	0	252	110	0.35	0.00
27	437.30	680.7	-7.9	1,445	5,107	0	0	230	110	0.35	0.00
28	436.41	672.3	-8.4	1,890	5,185	559	0	256	106	0.34	0.00
29	435.52	664.0	-8.3	1,362	5,194	0	0	253	105	0.34	0.00
30	434.67	656.1	-7.9	1,596	5,212	0	0	256	105	0.34	0.00
31	433.84	648.5	-7.7	1,629	5,135	0	0	254	101	0.33	0.00
Totals	N/A	N/A	-215.1	46,216	142,771	559	0	7,713	3,654	11.13	0.00
Acre- Feet	N/A	N/A	-215,100	91,669	283,186	1,109	0	15,299	7,248	N/A	N/A

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

Summary: Release (acre-feet)

Power	283,186
Spill	1,109
Outlet	0
Pumping Plant	15,299
Total Releases	299,594

Summary: Precipitation (Month/Inches)

This month	0.00
October 1, 2025 to date	38.90

Bureau of Reclamation
Historical Archive and Report Database

Table 9. August 2026 | Folsom Lake Daily Operations | Run Date: 08/19/2026

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre- Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. River Power	Release - C.F.S. River Spill	Release - C.F.S. River Outlet	Pumping Plant	Evap. - C.F.S.	Evap. - Inches	Precip Inches
N/A	N/A	648.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	433.02	640.9	-7.5	1,914	5,338	0	0	262	106	0.35	0.00
2	432.12	632.7	-8.2	1,435	5,200	0	0	257	109	0.36	0.00
3	431.23	624.7	-8.0	1,395	5,081	0	0	264	108	0.36	0.00
4	430.42	617.4	-7.3	1,818	5,120	0	0	263	104	0.35	0.00
5	429.54	609.6	-7.9	1,482	5,091	0	0	249	104	0.35	0.00
6	428.78	602.8	-6.7	2,367	5,423	0	0	239	106	0.36	0.00
7	427.97	595.7	-7.1	1,779	5,020	0	0	251	111	0.38	0.00
8	427.17	588.7	-7.0	1,862	5,045	0	0	250	96	0.33	0.00
9	426.31	581.2	-7.5	1,882	5,315	0	0	241	96	0.33	0.00
10	425.38	573.2	-8.0	1,578	5,275	0	0	240	109	0.38	0.00
11	424.40	564.8	-8.4	1,555	5,456	0	0	235	94	0.33	0.00
12	423.48	557.0	-7.8	1,513	5,113	0	0	244	94	0.33	0.00
13	422.53	549.0	-8.0	1,508	5,214	0	0	244	82	0.29	0.00
14	421.61	541.3	-7.7	1,391	4,937	0	0	245	81	0.29	0.00
15	420.82	534.7	-6.5	1,709	4,698	0	0	243	69	0.25	0.00

Day	Elev	Storage (1000 Acre- Feet) in Lake	Storage (1000 Acre- Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. River Power	Release - C.F.S. River Spill	Release - C.F.S. River Outlet	Pumping Plant	Evap. - C.F.S.	Evap. - Inches	Precip Inches
16	419.97	527.7	-7.0	1,459	4,671	0	0	245	69	0.25	0.00
17	419.09	520.6	-7.2	1,402	4,711	0	0	240	68	0.25	0.00
18	418.29	514.1	-6.5	1,817	4,778	0	0	233	68	0.25	0.00
Totals	N/A	N/A	-134.3	29,866	91,486	0	0	4,445	1,674	5.79	0.00
Acre- Feet	N/A	N/A	-134,300	59,239	181,462	0	0	8,817	3,320	N/A	N/A

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

Summary: Release (acre-feet)

Power	181,462
Spill	0
Outlet	0
Pumping Plant	8,817
Total Releases	190,279

Summary: Precipitation (Month/Inches)

This month	0.00
October 1, 2025 to date	38.90

Bureau of Reclamation
Historical Archive and Report Database

Table 10. August 2026 | Lake Natoma Daily Operations | Run Date: 08/10/2026

Day	Elev	Storage (Acre- Feet) in Lake	Storage (Acre-Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. Folsom South	Release - C.F.S. Power	Release - C.F.S. Spill	Release - C.F.S. Hatchery	Evap. - C.F.S. (1)
N/A	N/A	8,059	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	123.80	8,167	108	4,149	50	4,001	0	40	4
2	123.68	8,111	-56	4,066	50	4,000	0	40	4
3	124.05	8,286	175	4,155	50	3,973	0	40	4
4	124.63	8,576	290	4,189	40	3,958	0	40	5
5	124.41	8,466	-110	4,075	40	4,045	0	40	5
6	123.80	8,167	-299	3,987	40	4,054	0	40	4
7	124.40	8,461	294	4,186	40	3,954	0	40	4
8	124.09	8,306	-155	3,955	40	3,949	0	40	4
9	124.17	8,346	40	4,388	40	4,284	0	40	4
10	124.03	8,276	-70	4,504	40	4,454	0	40	5
11	123.61	8,078	-198	4,450	50	4,456	0	40	4
12	123.73	8,134	56	4,577	50	4,456	0	40	3
13	123.19	7,880	-254	4,415	50	4,451	0	40	2
14	124.05	8,286	406	4,747	50	4,447	0	40	5
15	123.25	7,909	-377	4,360	50	4,455	0	40	5
16	123.34	7,951	42	4,564	50	4,448	0	40	5

Day	Elev	Storage (Acre- Feet) in Lake	Storage (Acre-Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. Folsom South	Release - C.F.S. Power	Release - C.F.S. Spill	Release - C.F.S. Hatchery	Evap. - C.F.S. (1)
17	123.33	7,946	-5	4,544	56	4,446	0	40	5
18	123.29	7,927	-19	4,498	54	4,409	0	40	5
19	123.32	7,941	14	4,480	50	4,378	0	40	5
20	123.05	7,815	-126	4,460	50	4,429	0	40	5
21	123.07	7,824	9	4,537	40	4,447	0	40	5
22	123.23	7,899	75	4,523	35	4,405	0	40	5
23	123.47	8,012	113	4,550	41	4,407	0	40	5
24	123.63	8,087	75	4,537	50	4,404	0	40	5
25	123.55	8,050	-37	4,472	50	4,394	0	40	7
26	123.11	7,843	-207	4,755	50	4,724	40	40	5
27	122.75	7,679	-164	4,933	17	4,954	0	40	5
28	122.70	7,656	-23	5,009	23	4,954	0	40	4
29	122.67	7,643	-13	4,996	20	4,939	0	40	4
30	122.55	7,589	-54	5,003	34	4,952	0	40	4
31	122.33	7,490	-99	4,987	43	4,950	0	40	4
Totals	N/A	N/A	230	77,526	1,206	69,191	5,689	1,199	122
Acre-Feet	N/A	N/A	230	153,773	2,392	137,240	11,284	2,378	242

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

(1) Evaporation records taken from Folsom Pan.

Summary: Release (acre-feet)

Power	270,900
Spill	79
Folsom South Canal	2,664
Hatchery	2,460
Total Releases	276,103

Bureau of Reclamation
Historical Archive and Report Database

Table 11. August 2026 | Lake Natoma Daily Operations | Run Date: 08/19/2026

Day	Elev	Storage (Acre-Feet) in Lake	Storage (Acre-Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. Folsom South	Release - C.F.S. Power	Release - C.F.S. Spill	Release - C.F.S. Hatchery	Evap. - C.F.S. (1)
N/A	N/A	7,490	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	122.81	7,706	216	5,098	40	4,904	0	40	5
2	123.05	7,815	109	5,012	40	4,872	0	40	5
3	122.90	7,746	-69	4,928	47	4,871	0	40	5
4	122.79	7,697	-49	4,946	57	4,869	0	40	5
5	122.61	7,616	-81	4,936	60	4,862	10	40	5
6	123.53	8,040	424	5,183	53	4,863	8	40	5
7	123.10	7,838	-202	4,839	47	4,849	0	40	5
8	122.82	7,710	-128	4,860	40	4,841	0	40	4
9	123.00	7,791	81	5,075	20	4,970	0	40	4
10	123.02	7,800	9	5,054	20	4,979	5	40	5
11	123.63	8,087	287	5,197	20	4,988	0	40	4
12	123.10	7,838	-249	4,923	20	4,985	0	40	4
13	122.84	7,719	-119	5,000	23	4,993	0	40	4
14	122.98	7,782	63	4,746	30	4,640	0	40	4
15	123.07	7,824	42	4,495	30	4,401	0	40	3
16	123.04	7,810	-14	4,481	30	4,415	0	40	3

Day	Elev	Storage (Acre-Feet) in Lake	Storage (Acre- Feet) Change	Computed * Inflow C.F.S.	Release - C.F.S. Folsom South	Release - C.F.S. Power	Release - C.F.S. Spill	Release - C.F.S. Hatchery	Evap. - C.F.S. (1)
17	122.98	7,782	-28	4,501	30	4,442	0	40	3
18	123.12	7,847	65	4,561	30	4,455	0	40	3
Totals	N/A	N/A	357	87,835	637	86,199	23	720	76
Acre-Feet	N/A	N/A	357	174,221	1,263	170,976	46	1,428	151

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

(1) Evaporation records taken from Folsom Pan.

Summary: Release (acre-feet)

Power	170,976
Spill	46
Folsom South Canal	1,263
Hatchery	1,428
Total Releases	173,713

Table 12. Isobath 06/01–06/16 (Mean Daily Temperature, Release, Storage, Unit Shutter Position/Load Percentage)

MDT = Mean Daily Temperature (°F)

USP/LP = Unit Shutter Position/Load Percentage

Date	MDT, Water NFA	MDT, Water ARP	MDT, Water AFD ¹	MDT, Water AFO	MDT, Water AWP	MDT Water AWB	MDT, Air CSU	Release (CFS) Nimbus	Storage (TAF) Folsom	USP/LP Unit 1	USP/ LP Unit 2	USP/LP Unit 3
Jul	65.1	69.9	62.4	63.9	65.0	66.0	75.7	4429	N/A	N/A	N/A	N/A
08/01	62.2	66.695	64.8	65.4	66.5	67.7	80.8	4944	641	A37	A37	T25
08/02	64.9	67.136	65.2	65.8	66.9	67.8	83.6	4912	633	A37	A37	T26
08/03	65.4	67.7	60.4	66.1	67.3	68.3	85.1	4911	625	T29	T33	T38
08/04	62.5	67.0	58.3	61.7	63.7	65.5	80.3	4909	617	T34	T34	T32
08/05	61.4	67.2	58.9	60.3	61.6	62.8	75.9	4912	610	T39	T39	T22
08/06	60.5	65.5	59.4	60.5	61.7	62.8	76.6	4911	603	T44	T28	T28
08/07	60.7	65.8	59.8	61.0	62.1	63.1	78.4	4889	596	T44	T30	T26
08/08	61.3	66.3	60.3	61.2	62.4	63.4	76.8	4881	589	T43	T31	T26
08/09	62.0	66.6	60.7	61.8	62.9	63.9	79.6	5010	581	T44	T27	T28
08/10	61.6	66.6	61.1	62.2	63.2	64.1	75.5	5024	573	T42	T31	T27
08/11	61.0	66.3	61.7	62.5	63.5	64.3	75.4	5028	565	T42	T32	T27
08/12	60.1	66.3	62.2	62.8	63.8	64.6	72.9	5025	557	T43	T43	T14
08/13	61.2	66.9	62.5	63.2	64.0	64.8	68.5	5033	549	T40	T40	T20
08/14	61.5	66.4	63.1	63.4	64.3	65.0	66.7	4680	541	T46	T27	T27
08/15	61.3	65.7	63.5	63.9	65.0	65.7	69.4	4441	535	T46	T27	T27
08/16	62.5	65.3	63.9	64.7	65.6	66.4	74.6	4455	528	T45	T28	T27
08/17	62.55	65.3	64.2	64.9	65.9	66.7	76.6	4482	521	T46	T28	T27

Date	MDT, Water NFA	MDT, Water ARP	MDT, Water AFD ¹	MDT, Water AFO	MDT, Water AWP	MDT Water AWB	MDT, Air CSU	Release (CFS) Nimbus	Storage (TAF) Folsom	USP/LP Unit 1	USP/ LP Unit 2	USP/LP Unit 3
Aug	61.9	66.4	61.8	63.0	64.1	65.1	76.3	4850	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	Total AF	163530	N/A	N/A	N/A	N/A

Legend:

? = 1-9 hours of data missing

! = 10 or more hours of data missing

= Station out of service

X = Exceedances

Monthly Averages

A = All Shutters Lowered

T = Top Shutter Raised

M = Middle Shutter Raised

B = Bottom Shutter Raised

O = Unit Outage

Notes:

¹ AFD is a weighted average based on hourly flow values from generation

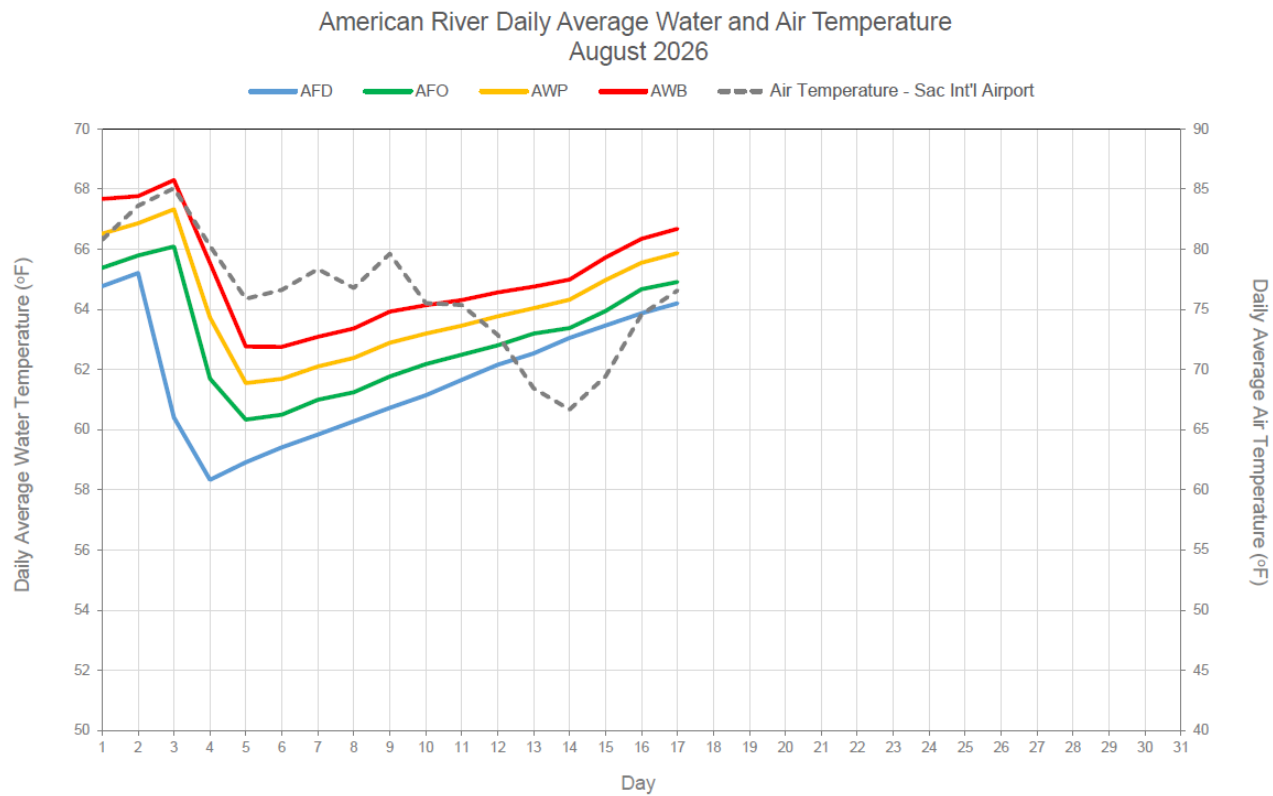


Figure 10. American River Daily Average Water and Air Temperatures

Figure 10 displays daily average water temperature at four American River gages and air temperature at Sacramento International Airport for August 2026, with data through day 17. AWB (red) tracks highest among water temperature sensors ranging approximately 63–68°F, followed by AWP, AFO, and AFD in descending order, with AFD (blue) ranging approximately 58–68°F. Air temperature (dashed gray, right axis) fluctuates more sharply than water temperatures, ranging approximately 67–86°F, with a peak near day 3, a dip around day 14, and a rise through day 17.

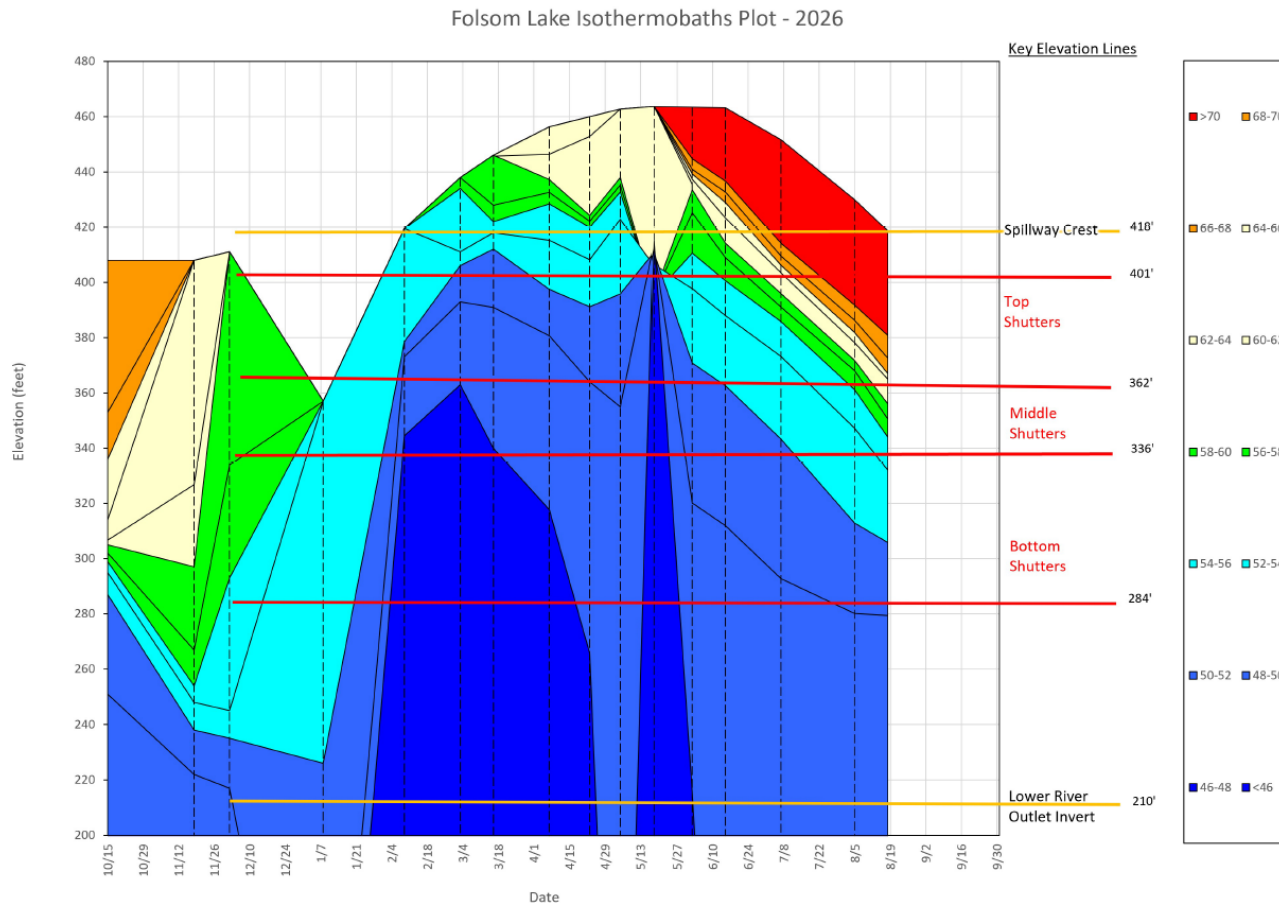


Figure 11. Folsom Lake Isothermobaths Plot - 2026

Figure 11 displays Folsom Lake water temperature by elevation from October 2025 through August 2026, with key elevation lines marked for Spillway Crest (410 ft), Top Shutters (401 ft), Middle Shutters (362 ft and 336 ft), Bottom Shutters (284 ft), and Lower River Outlet Invert (210 ft). Cold water (below 52°F) dominates the lower reservoir throughout the period. Storage declines through late November before rising sharply from December through spring, peaking near the Spillway Crest in mid-May before declining through June–August. Warmer temperature bands expand toward the surface as the season progresses, with surface temperatures exceeding 70°F by late May and persisting through August as storage drops.

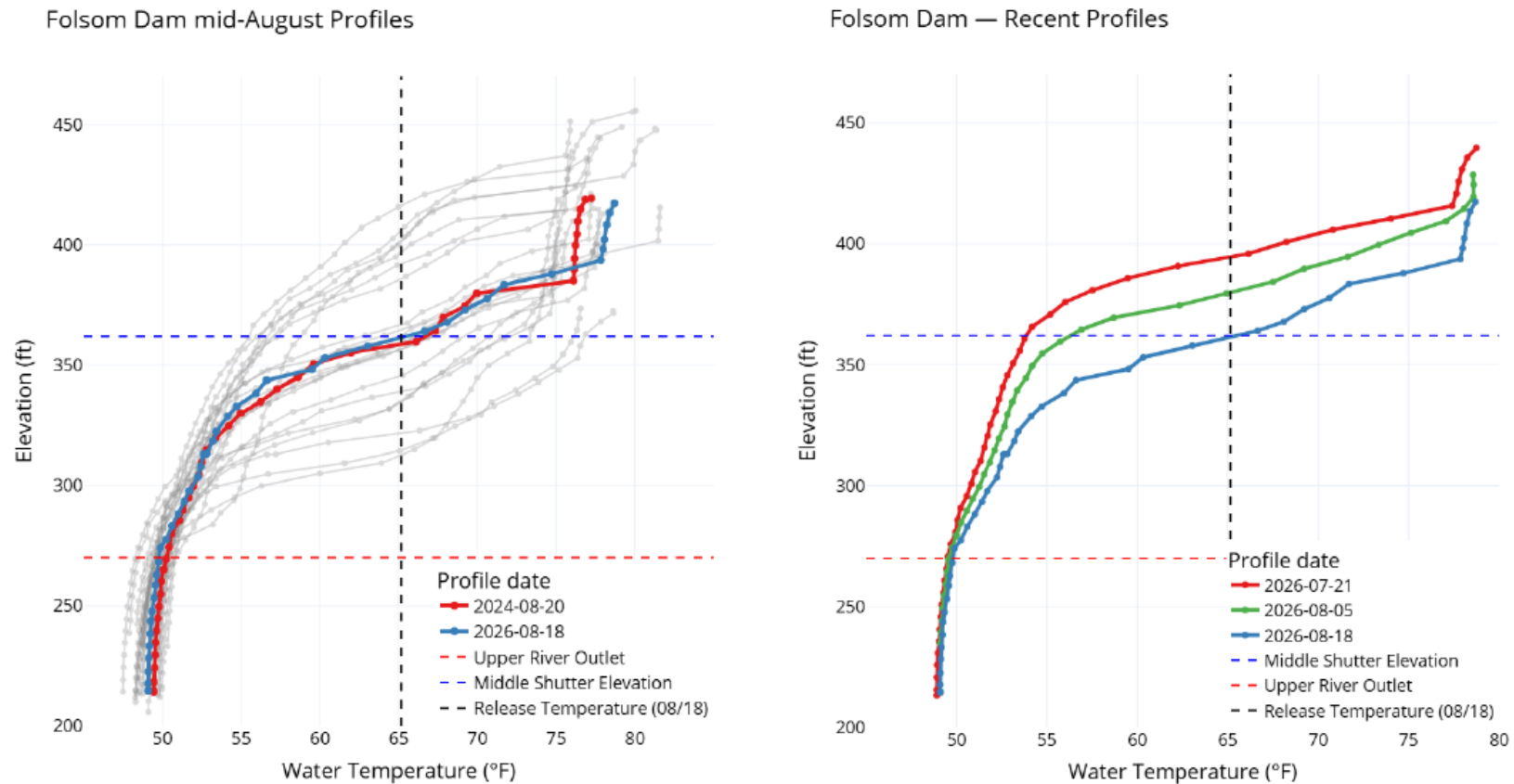


Figure 12. Folsom Dam Water Temperature Profiles, Mid-June Comparison and Recent Profiles.

Figure 12 shows two side-by-side water temperature profile charts for Folsom Dam. The left panel compares mid-August profiles across multiple historical years (gray lines) with 2024-08-20 (red) and 2026-08-18 (blue) highlighted, showing water temperature increasing with elevation from approximately 48°F near the bottom to 75–80°F near the surface, with 2024 and 2026 tracking closely together across most elevations. The right panel shows three recent 2026 profiles — 2026-07-21 (red), 2026-08-05 (green), and 2026-08-18 (blue) — with reference lines marking Middle Shutter Elevation (dashed blue, approximately 362 ft), Upper River Outlet (dashed red, approximately 270 ft), and Release Temperature 08/18 (dashed black, approximately 65°F), showing surface temperatures cooling progressively from approximately 78°F on 2026-07-21 to approximately 75°F by 2026-08-18.

Table 13. American River Baseflow Table – WY 2026

Month	Index Used for Index-based MRR	Flood Mgmt (TAF) ¹	ARI or SRI	Index Based MRR (cfs)	RDPB-based MRR for fall-run Chinook salmon (applicable in Jan and Feb)	RDPB-based MRR for steelhead (applicable Feb to May)	Controlling MRR (cfs)	Actual Average Monthly Nimbus releases ² (cfs)
October	May ARI ³ (50% exceedance)	0	1,614	992	NA	NA	992	1,079
November	May ARI ³ (50% exceedance)	0	1,614	992	NA	NA	992	1,071
December	May ARI ³ (50% exceedance)	159	1,614	992	NA	NA	992	3,638
January	Jan SRI (90% exceedance)	445	13.4 (SRI)	992	992	NA	992	5,743
February	Feb ARI (90% exceedance)	515	915	673	694	635	694	3,832
March	March ARI (90% exceedance)	572	1,265	1,063	NA	635	1,063	1,959
April	April ARI (90% exceedance)	796	1,321	986	NA	635	986	4,698
May	May ARI (90% exceedance)	NA	1,488	1,082	A	635	1,082	2,810
June	May ARI ³ (90% exceedance)	NA	1,488	1,082	NA	NA	1,082	2,536
July	May ARI ³ (90% exceedance)	NA	1,488	1,595	NA	NA	1,595	4,447
August	May ARI ³ (90% exceedance)	NA	1,488	1,595	NA	NA	1,595	4,830 ⁴
September	May ARI ³ (90% exceedance)	NA	1,488	1,595	NA	NA	1,595	NA

Table 14. American River Baseflow Table – WY 2027

Month	Index Used for Index-based MRR	Flood Mgmt (TAF) ¹	ARI or SRI	Index Based MRR (cfs)	RDPB-based MRR for fall-run Chinook salmon (applicable in Jan and Feb)	RDPB-based MRR for steelhead (applicable Feb to May)	Controlling MRR (cfs)	Actual Average Monthly Nimbus releases ² (cfs)
October	May ARI ³ (90% exceedance)	N/A	1,488	795	NA	NA	795	N/A
November	May ARI ³ (90% exceedance)	N/A	1,488	795	NA	NA	795	N/A
December	May ARI ³ (90% exceedance)	N/A	1,488	795	NA	NA	795	N/A

1 Cumulative flood management release

2 Average of daily releases over the month from sum of Power, Spill, and Hatchery flows [DailyOperationsNAT](#)

3 B120 Forecasts are usually provided January through May. The May ARI would also be used for June-September of the current water year and October through December of the next water year unless there is an update to the ARI after May.

4 Accumulated spill/release as of 8/19/26

90% exceedance starting January 2025 (2024 ROD)

MRR=Minimum Release Requirement

RDPA=Redd Dewatering Protective Adjustment

ARI=American River Index

SRI=Sacramento River Index

N/A = Not Applicable

Draft July 2026 Outlook

50% Inflow/Runoff Exceedance Hydrology

Table 15. Federal End of the Month Storage/Elevation (TAF/Feet)

Facility	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Folsom Storage	648	424	300	267	274	303	394	560	749	877	941	913	700
Folsom Elevation	N/A	407	387	381	382	388	402	424	444	457	463	460	439

Table 16. Monthly River Release (TAF/cfs)

Facility	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Cumulative (TAF)	N/A	298	178	114	86	84	61	67	123	297	400	249	332
Average Flow (cfs)	N/A	4849	3000	1851	1451	1370	1000	1200	2000	5000	6500	4183	5400

90% Inflow/Runoff Exceedance Hydrology

Table 17. Federal End of the Month Storage/Elevation (TAF/Feet)

Facility	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Folsom (TAF)	648	429	383	332	295	299	313	371	495	652	758	651	524
Folsom Elevation	N/A	407	401	393	386	387	389	399	416	434	445	434	419

Table 18. Monthly River Release (TAF/cfs)

Facility	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
American (TAF)	N/A	294	95	92	80	49	49	44	49	48	69	179	187
American (cfs)	N/A	4786	1600	1500	1343	800	802	800	800	813	1128	3008	3042

WY 2026 mid-August ARG Temperature Modeling Update

This updated modeling includes a draft August 90% operations outlook and an updated Folsom Lake Profile from August 18th.

Model runs using meteorological conditions for water years 2001-2020 for the planned ATSP 41 are included. Model runs using 2011, 2014, 2017, and 2020 conditions are highlighted in the summary plots and detailed plots of these runs are also included. Alternative runs may be supplied upon request in future updates. The Draft August 90% outlook used for this modeling through the end of December is included in Table 19. The ATSP 41 Monthly Targets are included in Table 20.

Additional updates will be made in September with updated Folsom Lake Profiles and operational outlooks.

Table 19. Draft August 90% Operations Outlook through November.

Facility	Aug	Sep	Oct	Nov
Folsom Releases (TAF)	294	95	92	80
Folsom Releases (cfs)	4,786	1,600	1,500	1,343
Folsom End-of-Month Storage (TAF)	429	383	332	295
Folsom End-of-Month Elevation (feet)	407	401	393	386

Table 20. ATSP 41 Monthly Temperature Targets

Month	Aug	Sep	Oct	Nov
Target	68°F	68°F	68°F	59°F

ATSP 41 – Summary Plots

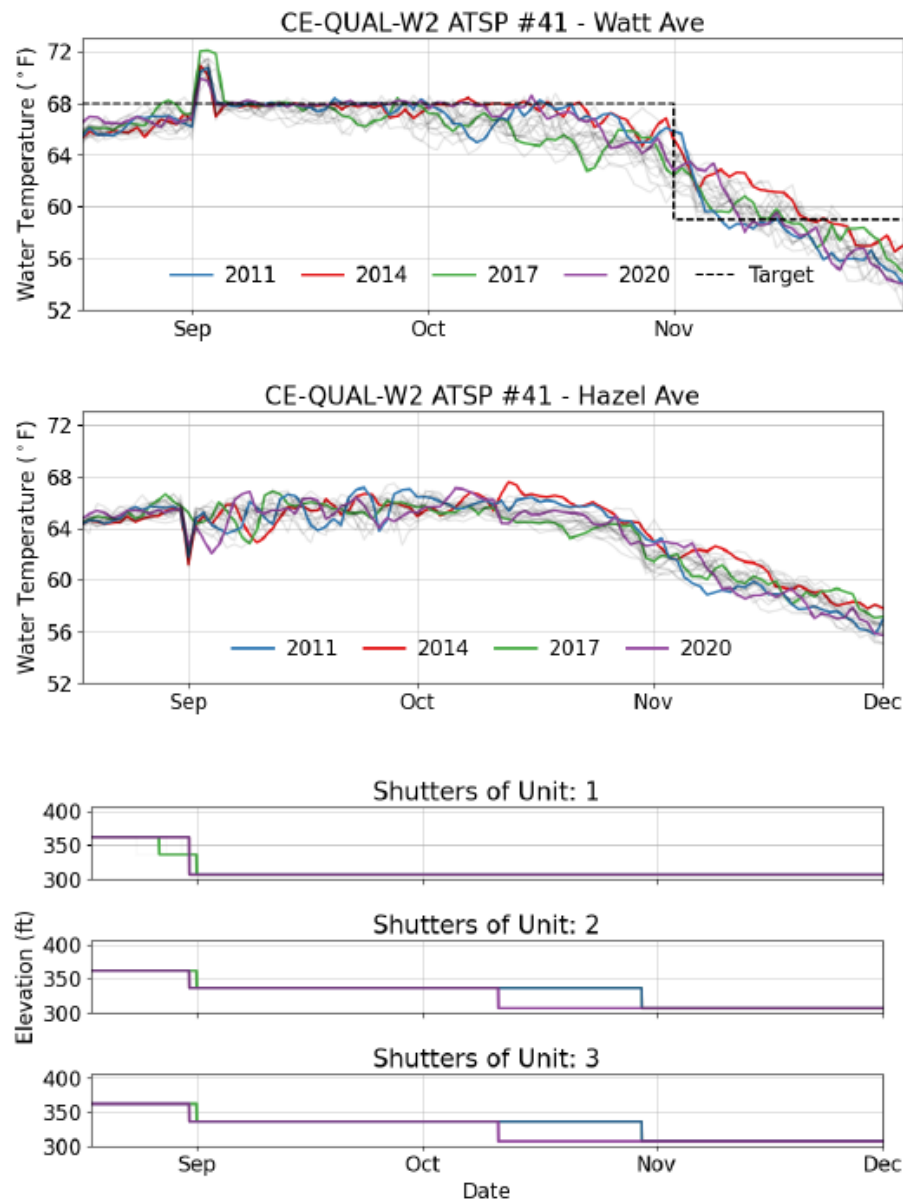


Figure 13. CE-QUAL-W2 ATSP #41 — Watt Avenue and Hazel Avenue Temperatures and Shutter Elevations by Simulation Year

Figure 13 presents five panels for CE-QUAL-W2 ATSP #41, showing modeled Watt Avenue temperatures, Hazel Avenue temperatures, and shutter elevations for Units 1–3 for simulation years 2011, 2014, 2017, and 2020. Watt Avenue temperatures hold near the 68°F target from September through October, with a brief spike above 72°F in early September, then decline steeply after a target step-down in early November to approximately 56–60°F. Hazel Avenue temperatures track near 64–68°F from September through October before declining to approximately 56–58°F by December. Shutter elevations for all three units step down progressively from approximately 350–360 ft to near 300–305 ft between September and November, reflecting cold water pool management as storage declines.

ATSP 41 – 2011 Meteorology

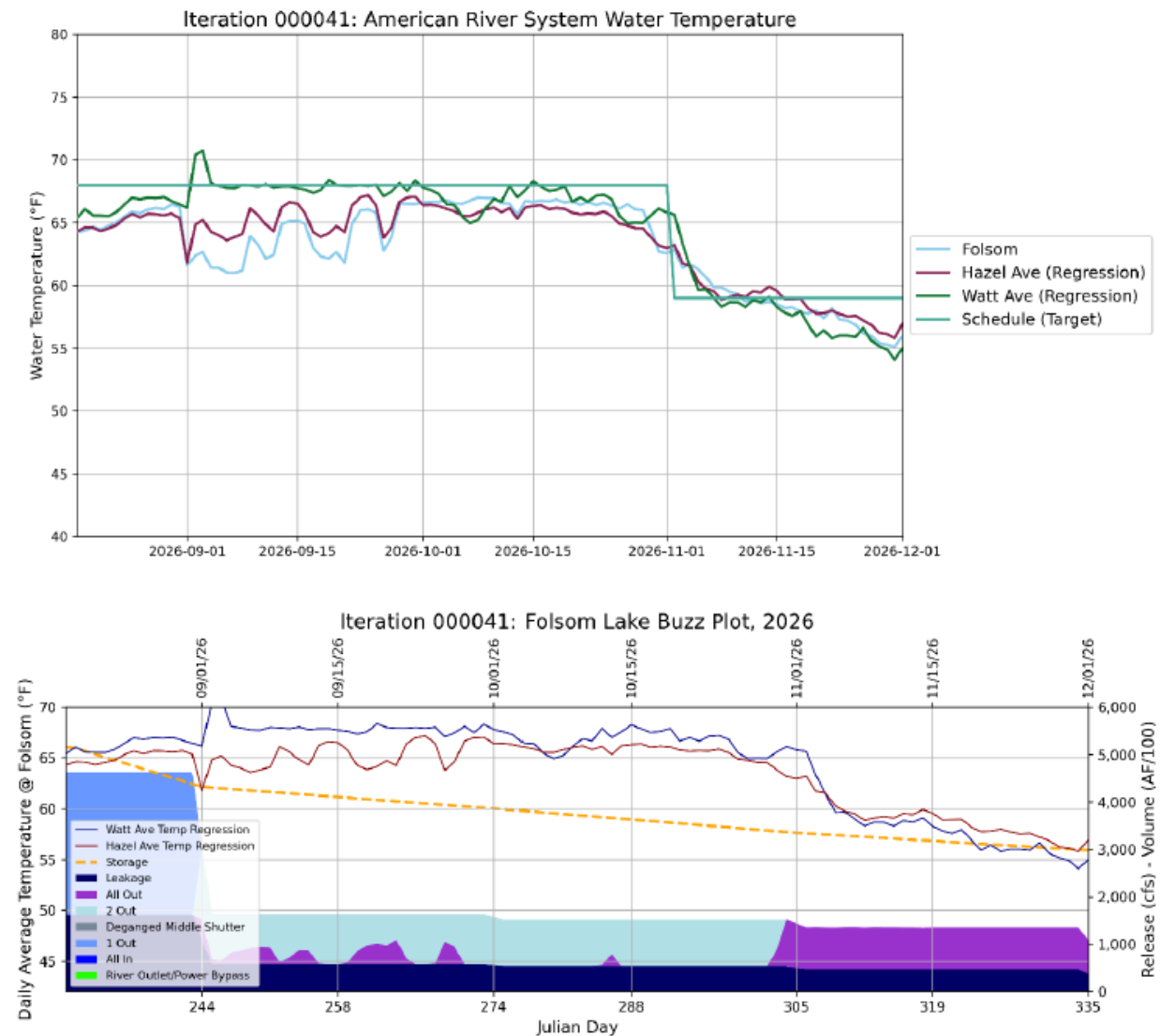


Figure 14. ATSP 41 Default Operations — 2026

Figure 14 depicts two panels summarizing CE-QUAL-W2 Iteration 000041 results for 2026. The upper panel shows modeled water temperatures at Folsom, Hazel Avenue, and Watt Avenue against schedule targets, with temperatures holding near the target through September and October, notable oscillations at Watt Avenue during this period, a brief spike near 71°F in early September, and steep declines through November into early December. The lower panel combines temperature regressions with reservoir storage and shutter configuration for Julian days 244–335, showing storage declining steadily through the period as shutter operations transition from "All In" to "Deganged Middle Shutter" and "2 Out" by early November, with "All Out" appearing by late November.

ATSP 41 – 2014 Meteorology

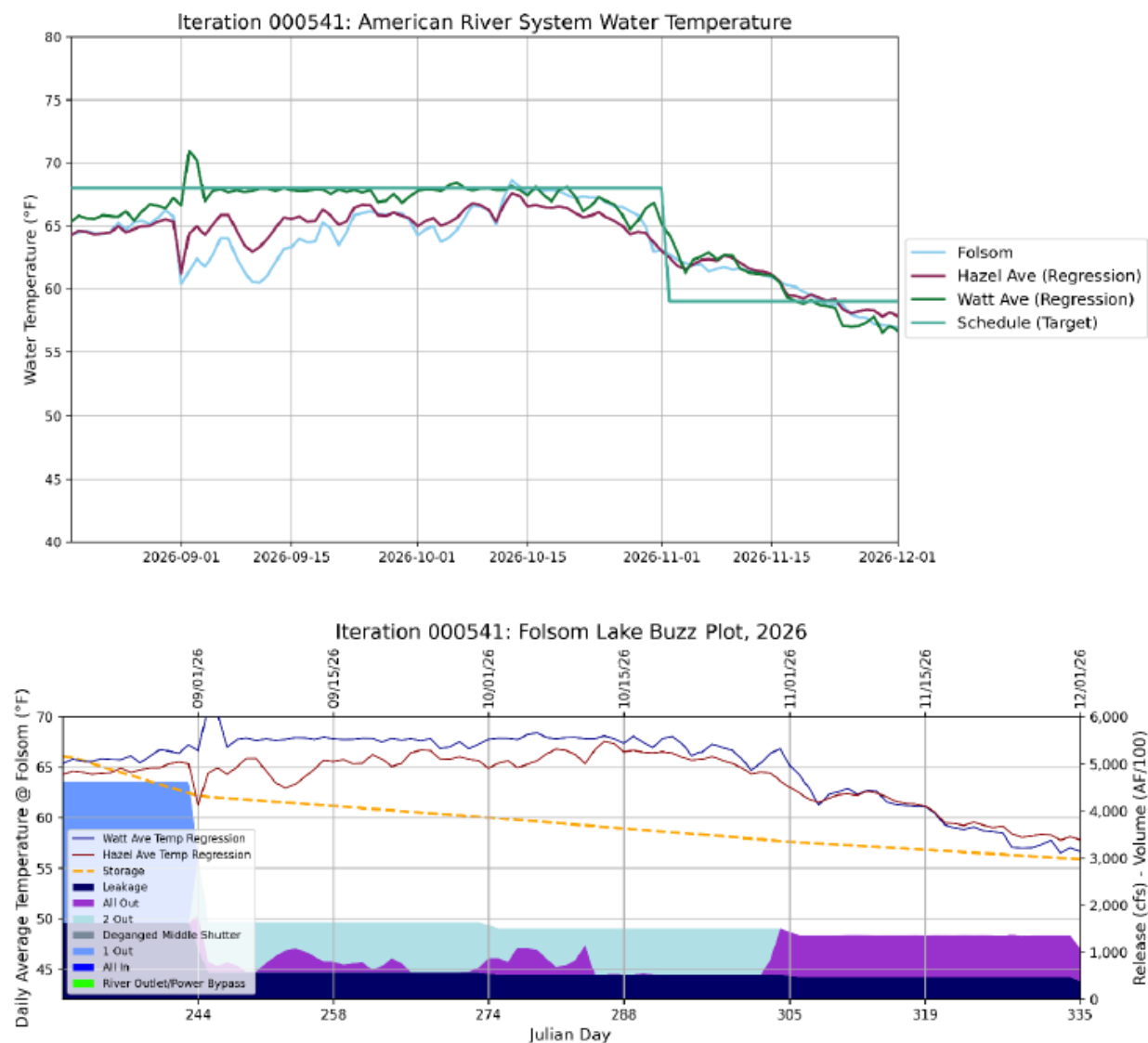


Figure 15. ATSP 41 Alternative Operations — Iteration 000541, 2026

Figure 15 depicts two panels summarizing CE-QUAL-W2 Iteration 000541 results for 2026. The upper panel shows modeled water temperatures at Folsom, Hazel Avenue, and Watt Avenue against schedule targets, with temperatures holding near the target through September and October, notable oscillations at Watt Avenue during this period, a brief spike near 71°F in early September, and steep declines through November into early December. The lower panel combines temperature regressions with reservoir storage and shutter configuration for Julian days 244–335, showing storage declining steadily through the period as shutter operations transition from "All In" to "Deganged Middle Shutter" and "2 Out" by early November, with "All Out" appearing by late November.

ATSP 41 – 2017 Meteorology

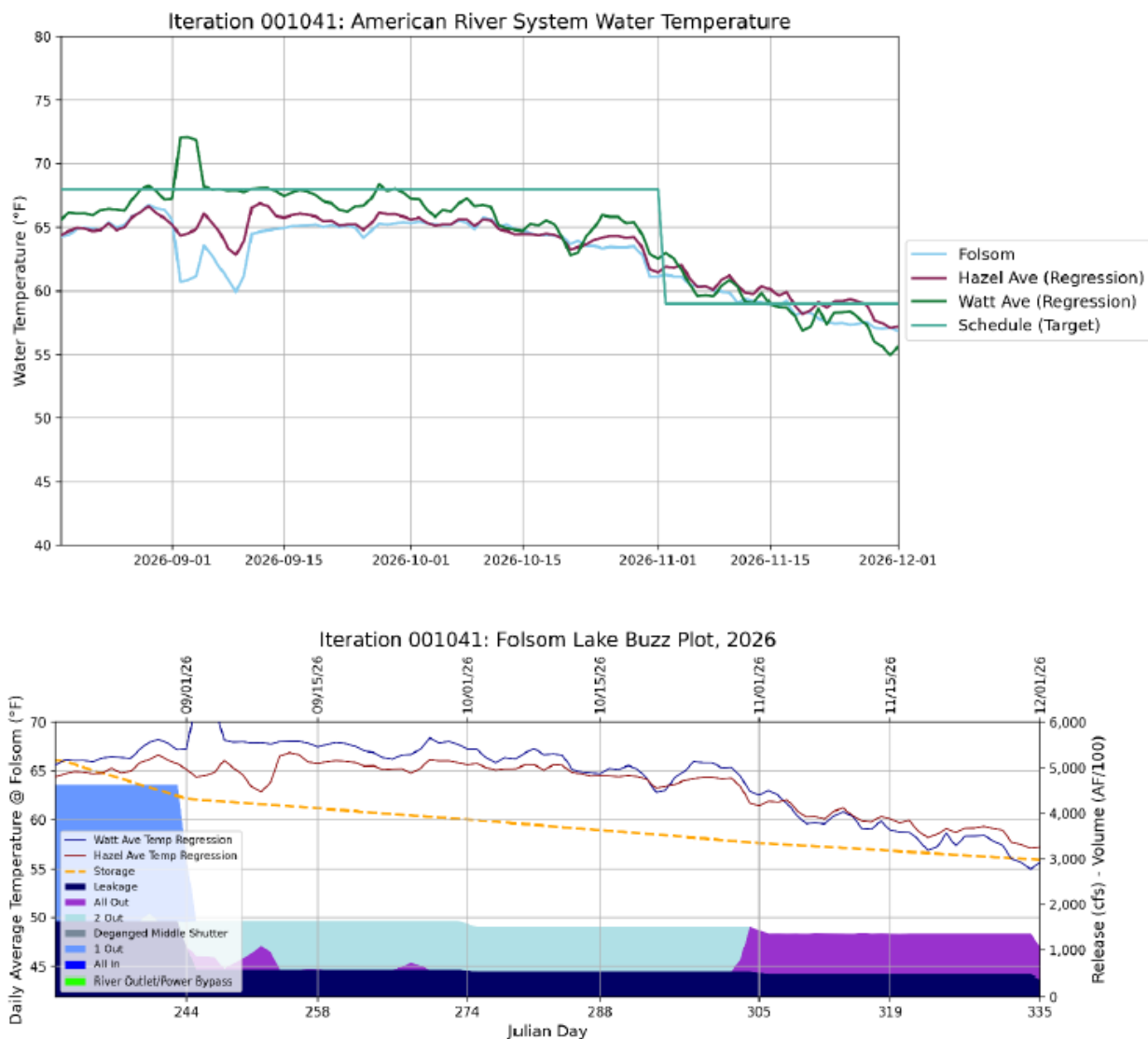


Figure 16. ATSP 41 Alternative Operations — Iteration 001041, 2026

Figure 16 depicts two panels summarizing CE-QUAL-W2 Iteration 001041 results for 2026. The upper panel shows modeled water temperatures at Folsom, Hazel Avenue, and Watt Avenue against schedule targets, with temperatures holding near the target through September and October, notable oscillations at Watt Avenue during this period, a brief spike near 72°F in early September, and steep declines through November into early December. The lower panel combines temperature regressions with reservoir storage and shutter configuration for Julian days 244–335, showing storage declining steadily through the period as shutter operations show a brief "All Out" period around days 258–274, followed by "Deganged Middle Shutter" through late October, then a return to "All Out" from early November through the end of the period, with "All In" present throughout at the base of the stack.

ATSP 41 – 2020 Meteorology

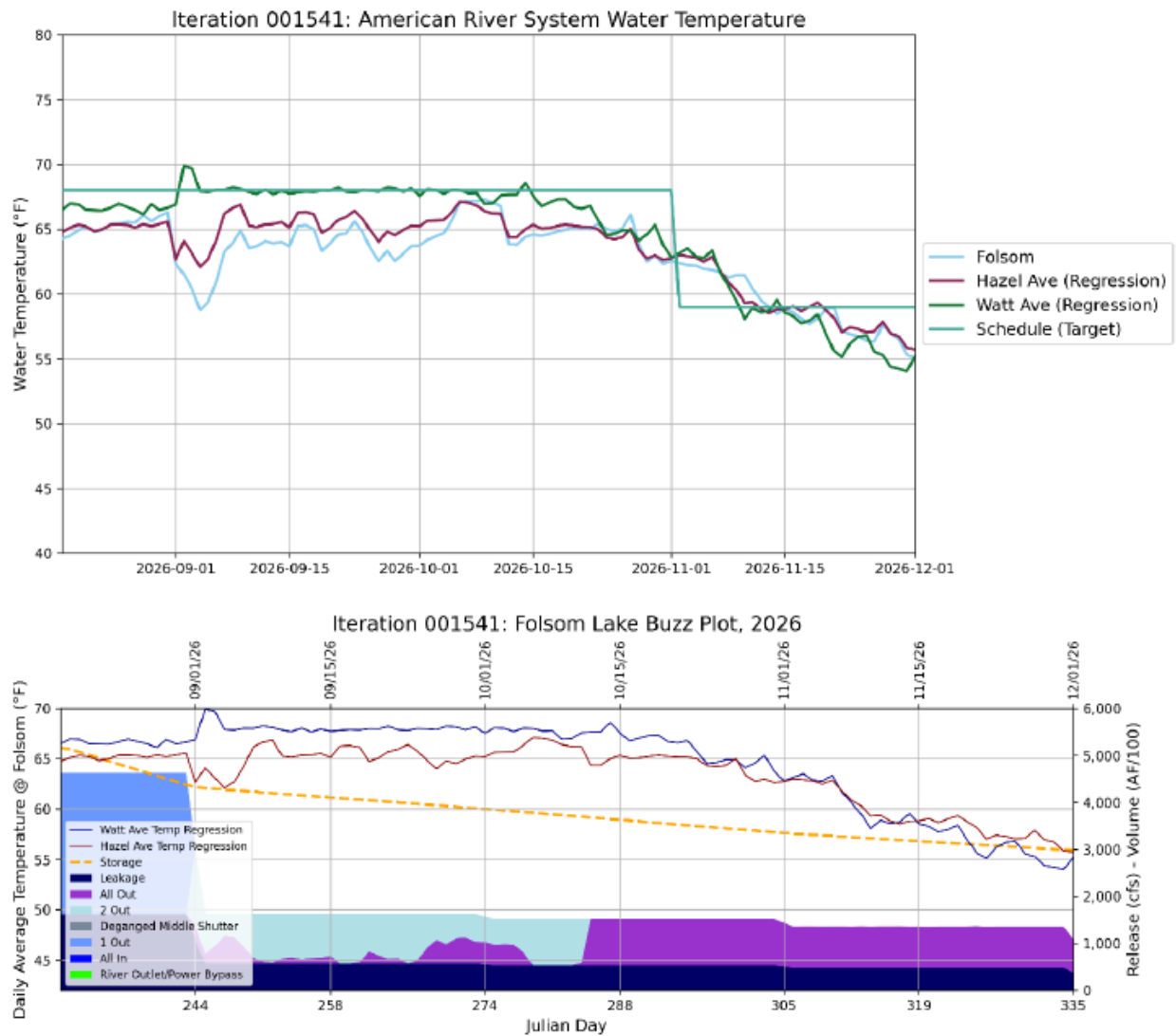


Figure 17. ATSP 41 Alternative Operations — Iteration 001541, 2026

Figure 17 depicts two panels summarizing CE-QUAL-W2 Iteration 001541 results for 2026. The upper panel shows modeled water temperatures at Folsom, Hazel Avenue, and Watt Avenue against schedule targets, with temperatures holding near the target through September and October, notable oscillations at Watt Avenue during this period, a brief spike near 69°F in early September, and steep declines through late October into early December. The lower panel combines temperature regressions with reservoir storage and shutter configuration for Julian days 244–335, showing storage declining steadily through the period as shutter operations transition from "Deganged Middle Shutter" through mid-October to "All Out" from late October through the end of the period, with "All In" present throughout at the base of the stack..



Lower American River Monitoring

Dissolved Oxygen Monitoring

Below is a summary of dissolved oxygen and temperature in the American River in relation to flow since the previous ARG meeting. The next logger download is scheduled for Aug 4.

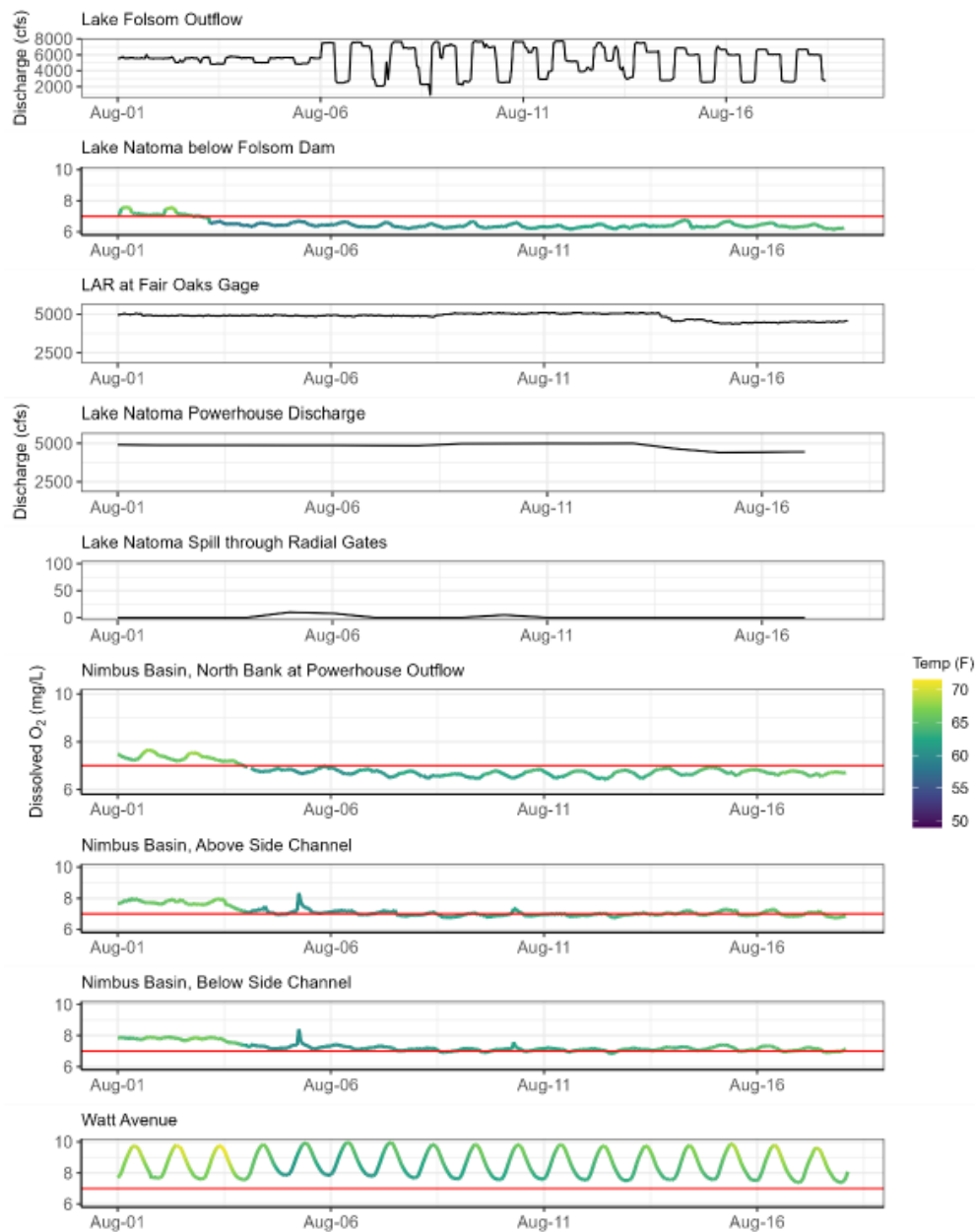


Figure 18. Discharge, temperature and dissolved oxygen dynamics at various locations in the Lower American River during the time when DO transects were conducted. Note the y axes on the four hydrographs are different, to allow changes to be better observed.

Figure 18 presents eight panels showing Lower American River discharge and dissolved oxygen conditions from August 1–18, 2026. Lake Folsom outflow oscillates between approximately 3,000–7,500 cfs with ramping fluctuations after August 6. Discharge at Lake Natoma below Folsom Dam, LAR at Fair Oaks Gage, and Lake Natoma Powerhouse remain relatively stable near 5,000 cfs, while Lake Natoma Spill through Radial Gates stays near zero with small peaks around August 5 and August 10. Dissolved oxygen (mg/L, color-coded by temperature °F) at

Nimbus Basin North Bank, Above Side Channel, and Below Side Channel declines from approximately 7–9 mg/L to near or below the 7 mg/L red threshold line by mid-August. Watt Avenue shows pronounced diurnal DO oscillations between approximately 6–10 mg/L throughout the period.