

**RECLAMATION DISTRICT NO. 17
MOSSDALE TRACT
BOARD OF TRUSTEES MEETING
TUESDAY, DECEMBER 9, 2025
2:00 P.M.
ENGINEER'S REPORT**

I. EARLY IMPLEMENTATION PROGRAM – LEVEE SEEPAGE REPAIR PROJECT

- A. EIP Project Funding Agreement expires 12/31/2025.
 - a. Amendment to extend agreement expiration in progress 24 months.
- B. \$784,235 DWR retention release for Phase 1-2 received 10/15/25.
- C. Right of Way transfers in progress – District Counsel taking lead on agreements:
 - a. Oakwood Lake Waer District (OLWD), negotiations ongoing
 - b. JUA for San Joaquin County (Mosssdale Crossing Regional Park)
 - c. JUA for Caltrans (Highway 120)
 - d. JUA with UPRR (north of Mosssdale Crossing Regional Park)
- D. Habitat Mitigation Area
 - a. Replanting plan completed.
 - 1. Contracting Strategy
 - i. Public Bid package under development
 - ii. Anticipate bidding in January.

II. DISTRICT PLAN REVIEW

- A. Manteca Zone 36/Zone 39 Storm Drain Project
 - a. City of Manteca provided 90% Phase 1 Project Plans and Specs for Outfall portion of project – RD17 provided review comments and have met with the City of Manteca to review and discuss the need for the plan revisions. City of Manteca has contacted the CVFPB to inform the of the necessary changes.
- B. City of Lathrop Golden Valley Parkway Bridge
 - a. City of Lathrop engineering consultant coordinating geotechnical investigations with RD17 engineer

EXHIBIT A: Field Photos of Geo Ex Drillers

III. DISTRICT MAINTENANCE

- A. Review outcome of meeting held on Monday December 8, 2025, between Scott Solari, RD 17 District Superintendent and KSN Inc. regarding increased maintenance responsibilities for Scott.

- B. Security Hardening – EcoBlock installation

- a. Wayfair eco-block installation – complete.
 - b. Blocks relocated to allow thru traffic through levee gates at Woodward Rd., Tunnel at Mossdale Park and at BNSF Railroad at Wayfair warehouses.

- C. Rodent Abatement

- a. Lemhi Land and Cattle continued rodent hole grouting program – Ongoing.
 - b. Chem Weed completed Unit 2 winter Vegetation Control.
 - c. Ag Wildlife Management (AWM) is continuing rodent abatement program – Ongoing.

EXHIBIT B: Field Photos of Grout and Spray rigs.

EXHIBIT C: Timecards and KMZ File for documentation of Ag Wildlife operations.

- D. Fence & Gate Modification & Repairs

- a. Extension of barrier fence at Woodward Rd. – completed.
 - b. Repair of Wayfair gates – currently being executed.
 - c. Blocks at levee toe along Wayfair and railroad access.
 - d. Repair of RR tunnel gates – currently being executed.

EXHIBIT D: Misc. Gate and Fence Repair Photos

- E. Crestmore Court/Weston Ranch toe Ditch Re-alignment

- a. Re-alignment work – upcoming

- F. Annual Maintenance Bid Project for Vegetation Management, Erosion Repairs, Debris Removal, and All-Weather Road Repairs

- a. Project in closeout including rock slope protection completion and miscellaneous debris removal.

EXHIBIT E: Annual Maintenance Bid Project Photos

IV. CALIFORNIA DATE EXCHANGE CENTER (CDEC)

- A. Review the California Date Exchange Center (CDEC) River Stage Forecast and reservoir levels in the nearby San Joaquin Basin.

EXHIBIT F: Delta Hydrology Conditions San Joaquin River Flow in cfs at Vernalis for November 2025.

EXHIBIT G: CDEC San Joaquin River near Mossdale Stage Guidance plot dated December 2, 2025.

EXHIBIT H CDEC Daily Reservoir Storage Summary compared to historical averages, and Top of Conservation limits. December 2, 2025.

EXHIBIT I: CDEC Camanche Reservoirs Conditions dated December 2, 2025.

EXHIBIT J: CDEC New Melones Reservoir Conditions dated December 2, 2025.

EXHIBIT K: CDEC New Don Pedro Reservoirs Conditions dated December 2, 2025.

EXHIBIT L: CDEC New Hogan Reservoirs Conditions dated December 2, 2025.

EXHIBIT M: CDEC Folsom Reservoir Conditions dated December 2, 2025.

EXHIBIT N: CDEC Lake Shasta Conditions dated December 2, 2025.

EXHIBIT O: CDEC Lake Oroville Conditions dated December 2, 2025.

EXHIBIT A

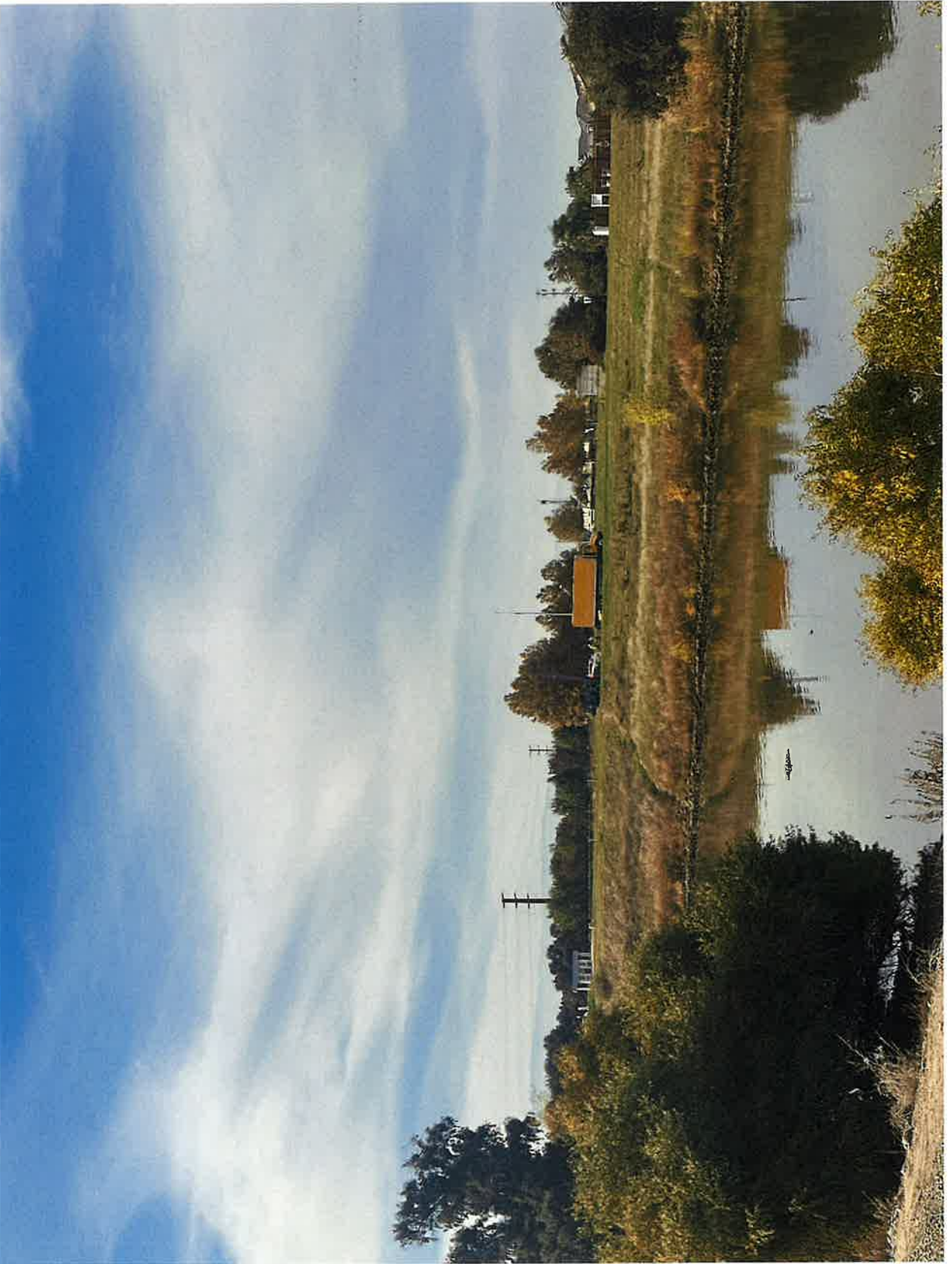


Figure 12. 0856-0810 - Golden Valley Parkway geotechnical exploration at River Islands (Opposite to RD-17).



Figure 13. 0856-0810 - Golden Valley Parkway geotechnical exploration at River Islands (Opposite to RD-17).



Figure 14. 0856-0810 - Golden Valley Parkway geotechnical exploration at River Islands (Opposite to RD-17).



Figure 15. 0856-0810 - Golden Valley Parkway geotechnical exploration at River Islands (Opposite to RD-17).



Figure 16. 0856-0810 - Golden Valley Parkway geotechnical exploration near Sta 758+00.

EXHIBIT B



Figure 10. 0856-9026 - CHEM Weed conducting winter vegetation control near Sta. 620+00.

Figure 11. 0856-9026 - CHEM Weed conducting winter vegetation control near Sta. 620+00.



EXHIBIT C

RD 17: Mossdale Tract
Chris Kane

[illegible]

Untitled Map

Write a description for your map.

Legend

- Crestmore
- Feature 1
- Great Wolf Lodge | Northern California
- Line
- Mossdale Landing Community Park
- MText
- ORGULLO ZACATECANO?
- Polyline [54C1]:0
- Ramos Country Corner
- The Home Depot

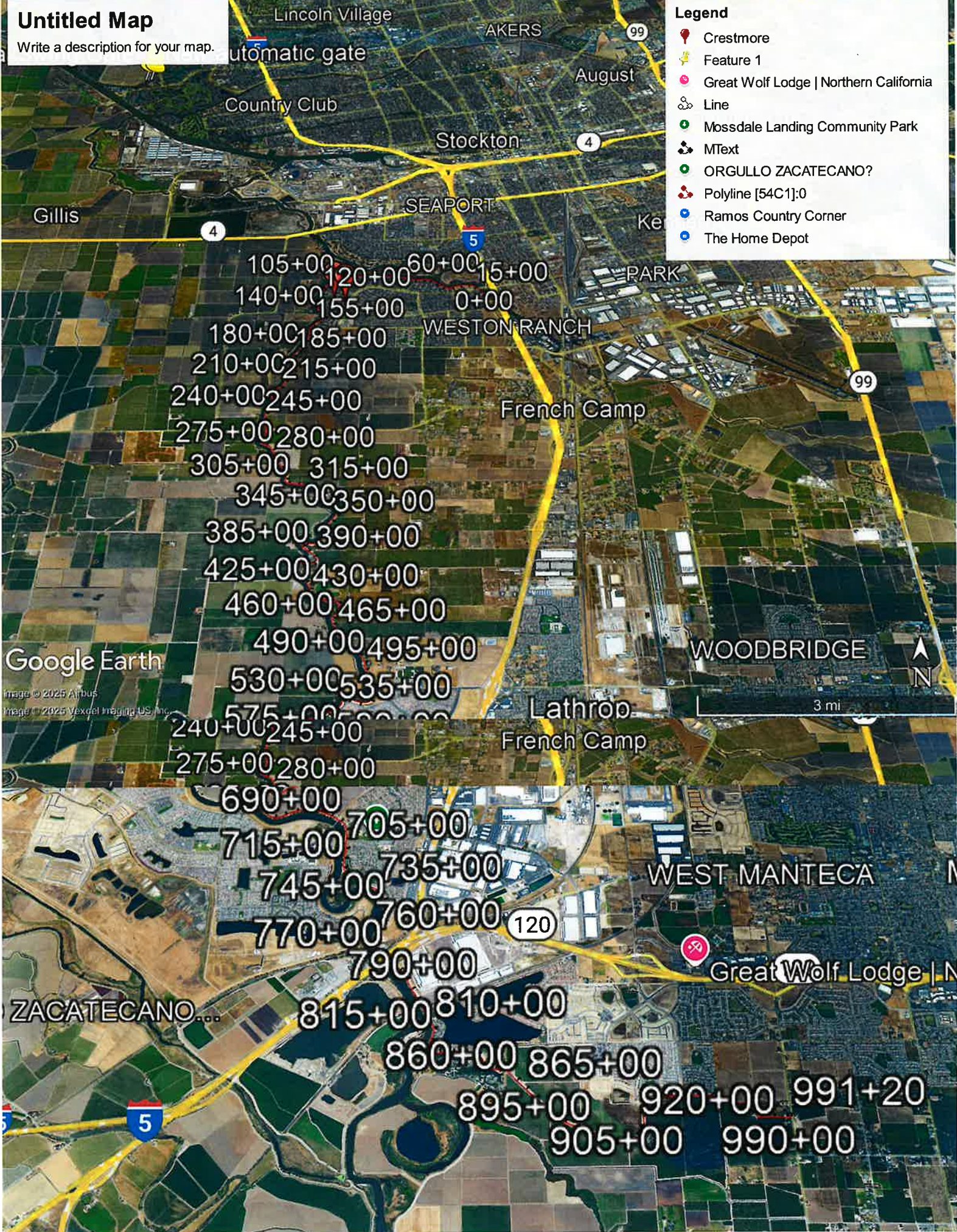


EXHIBIT D

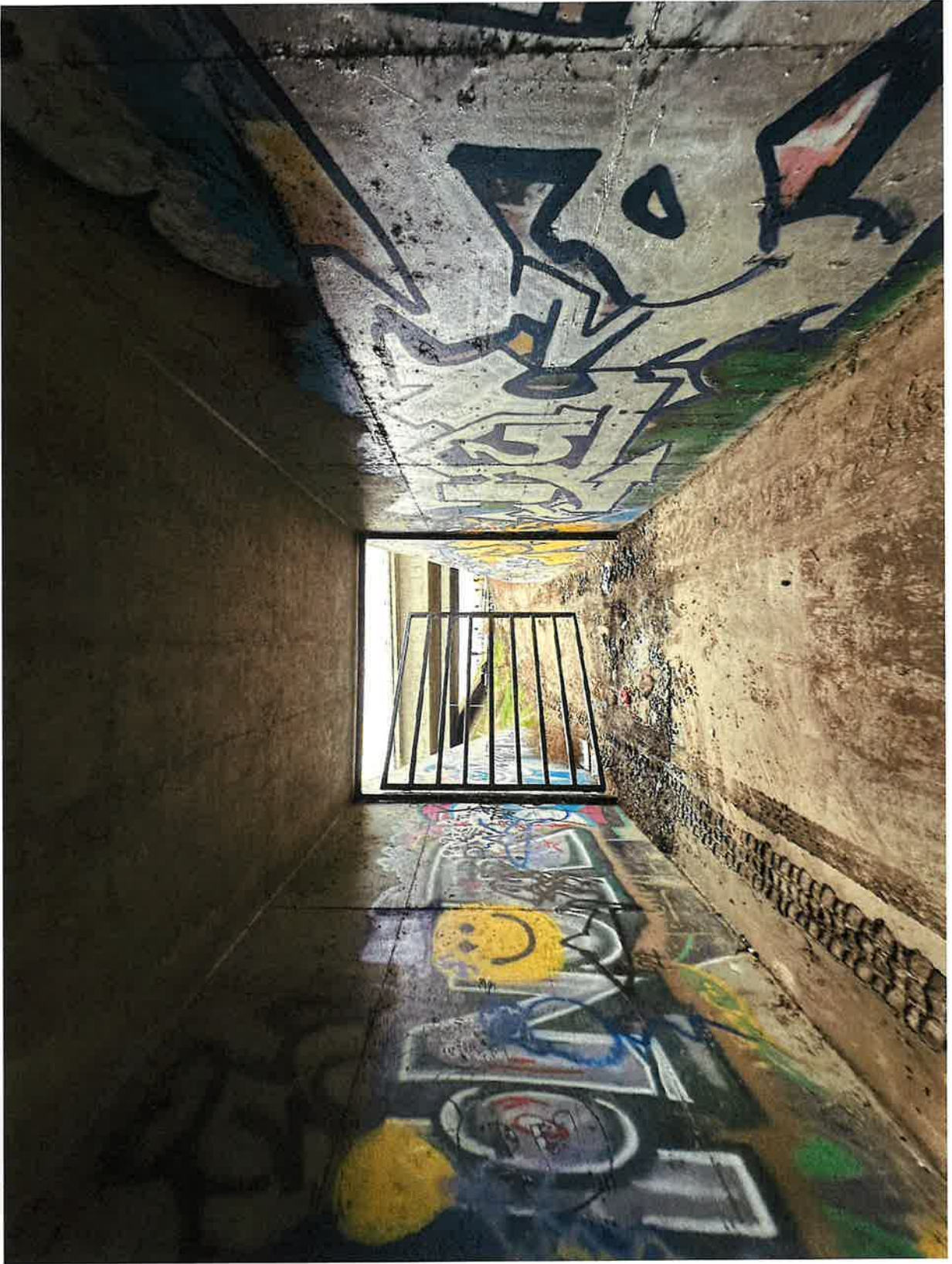


Figure 17. 0856-9026 - EW Black removed (2) ecoblocks from both sides of tunnel @Sta. 770+00 to restore vehicular access for the duration of this year's flood season.

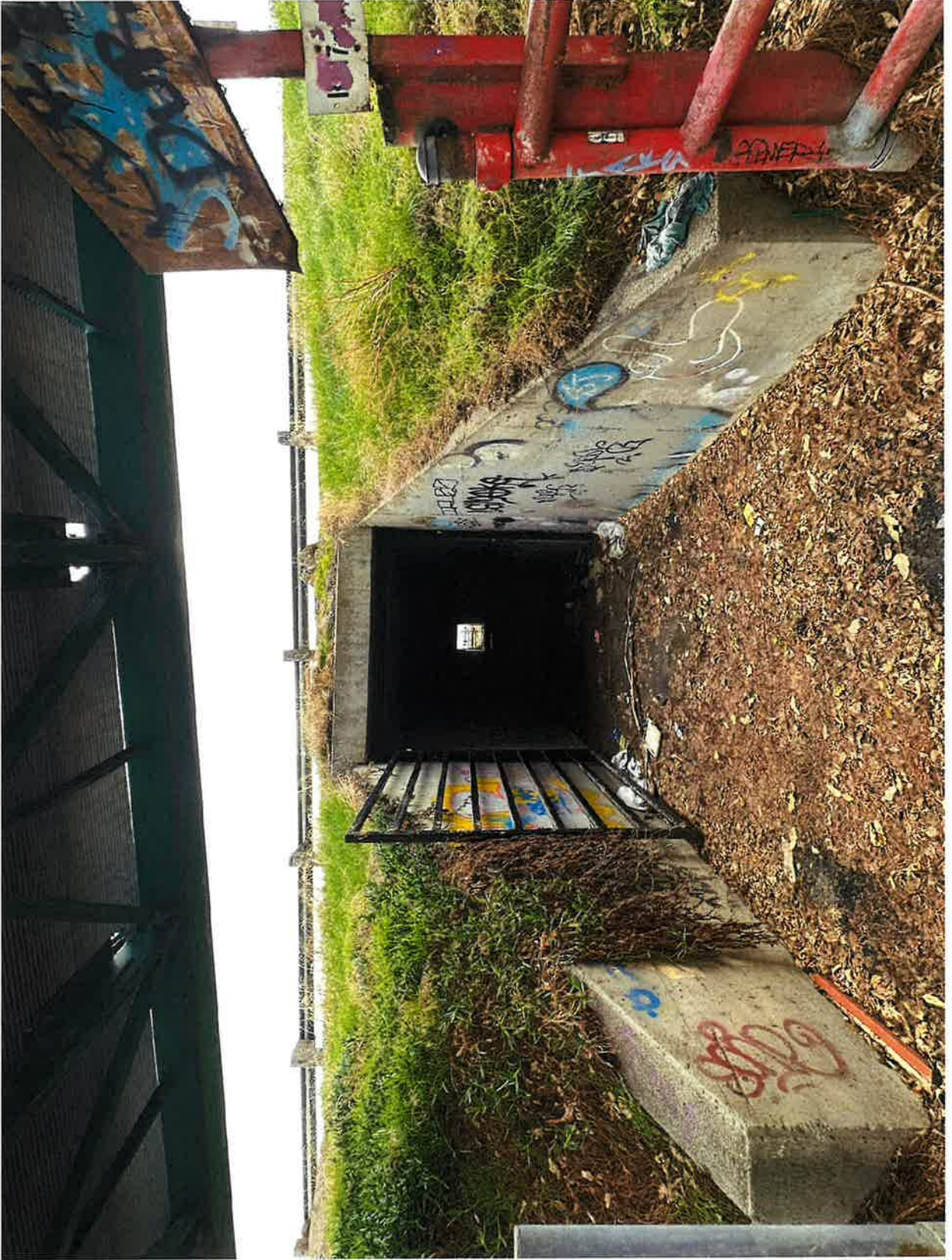


Figure 18. 0856-9026 - EW Black removed (2) ecoblocks from both sides of tunnel @Sta. 770+00 to restore vehicular access for the duration of this year's flood season.

Figure 19. 0856-9026 - EW Black removed (3) ecoblocks blocking the gate @Sta 800+00 to restore vehicular access for the duration of this year's flood season.



Figure 20. 0856-9026 - EW Black removed (3) ecoblocks blocking the gate @Sta 855+00 to restore vehicular access for the duration of this year's flood season.





Figure 7. 0856-9026 - EW Black placing (96) ecoblocks along levee toe to prevent unauthorized access to the levee near Sta 795+00.



Figure 8. 0856-9026 - EW Black placing (96) ecoblocks along levee toe to prevent unauthorized access to the levee near Sta 795+00.



Figure 9. 0856-9026 - EW Black placed (96) ecoblocks along levee toe to prevent unauthorized access to the levee near Sta 795+00.

EXHIBIT E



Figure 1. 0856-0840 - Robt Burns placing rock on waterside slope near Sta. 750+00.



Figure 2. 0856-0840 - Robt Burns placing rock on waterside slope near Sta 750+00.

Figure 3. Robt Burns placing rock at various slope protection sites.



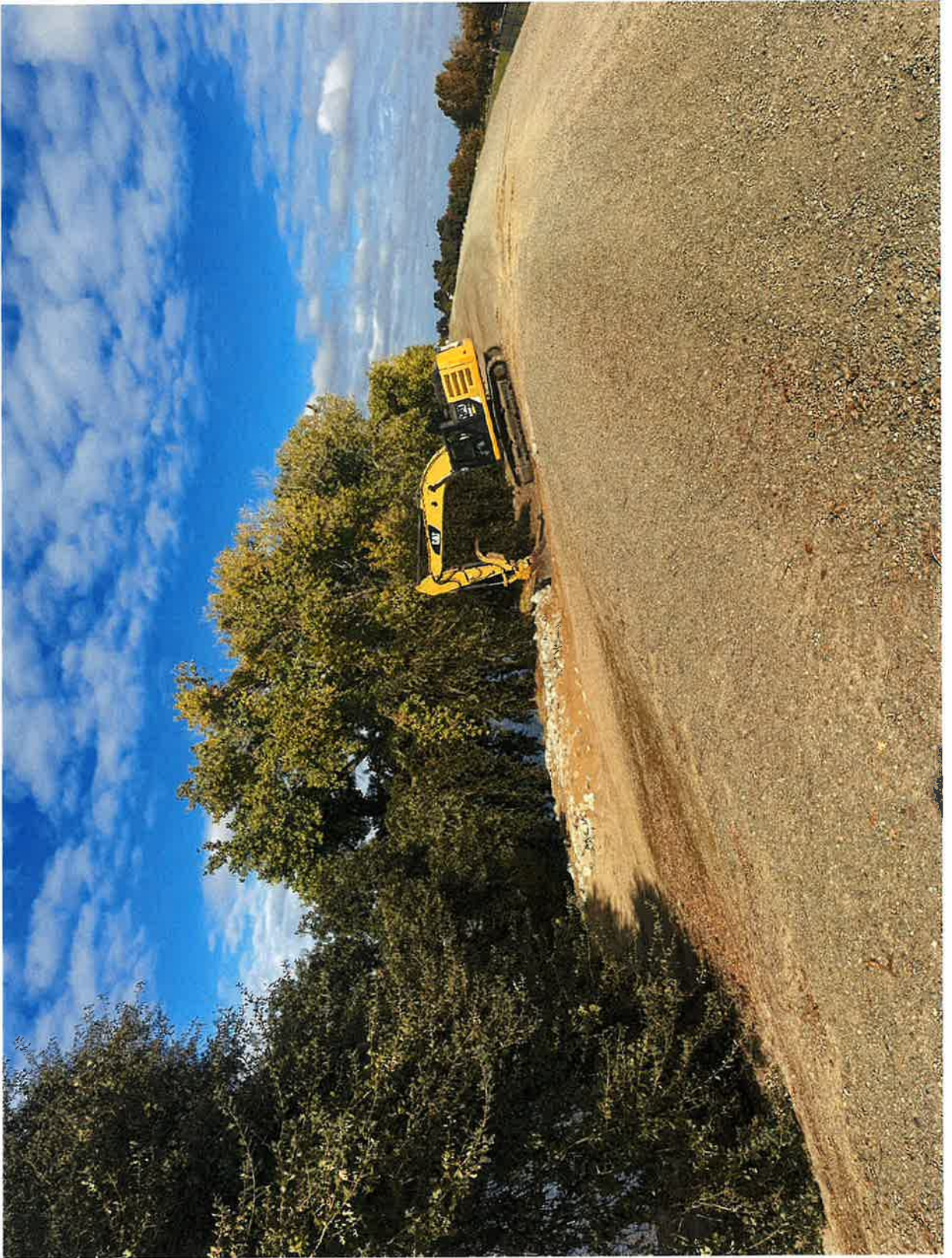


Figure 4. 0856-0840 - Robt Burns placing rock on waterside slope near Sta 815+00.



Figure 5. Robt Burns removing miscellaneous debris near Sta 860+00.



Figure 6. Robt Burns placing supplementary AB on levee crown from Sta 6+00 to 7+00.

EXHIBIT F

Delta Hydrology Conditions

Date (30 days)	Sacramento at Freeport +SRWTP cfs	Yolo Bypass Rumsey +FRE cfs +FWB cfs	East Side Streams cfs	San Joaquin at Vernalis cfs	Rainfall @ Stockton inches	Clifton Court Forebay cfs	Tracy Pumping Plant cfs	Contra Costa CCWD cfs	Barker Slough BKS cfs	Byron Bethany cfs
11/02/2025	10,939e	20	384	2,017	0.00	953	4,181	122	66	11
11/03/2025	11,029	20	386	1,838	0.00	997	4,181	120	64	9
11/04/2025	11,288	21	386	1,593	0.00	993	4,163	133	55	13
11/05/2025	10,814	39	401	1,374	0.00	992	4,192	120	68	12
11/06/2025	12,357	50	397	1,219	0.00	1,000	3,905	107	73	12
11/07/2025	12,032	46	404	1,133	0.00	995	4,200	114	77	10
11/08/2025	11,940	34	398	1,117	0.00	1,491	4,220	128	77	9
11/09/2025	11,384	30	396	1,104	0.00	1,490	4,211	128	69	11
11/10/2025	10,426	29	393	1,057	0.00	1,490	4,161	128	75	13
11/11/2025	9,771	28	391	1,005	0.00	1,494	4,214	121	57	13
11/12/2025	9,500	28	386	1,001	0.00	997	4,219	110	75	15
11/13/2025	10,073	88	480	1,048	0.96	997	4,205	104	70	12
11/14/2025	12,298	160	600	1,171	0.04	2,995	4,210	111	60	7
11/15/2025	12,810	86	639	1,223	0.56	3,997	4,041	104	56	7
11/16/2025	14,234	3	664	1,340	0.84	3,991	4,143	74	57	6
11/17/2025	15,184	40	1,037	1,605	0.52	3,994	3,521	66	53	3
11/18/2025	16,126e	138	758	1,954	0.00	5,489	3,546	66	73	6
11/19/2025	17,939e	250	552	2,415	0.00	5,478	3,569	85	81	6
11/20/2025	20,398	254	520	2,275	0.28	5,484	3,567	101	76	6
11/21/2025	19,328	184	484	1,983	0.00	6,670	3,569	101	75	2
11/22/2025	16,837	126	448	1,830	0.00	6,676	3,555	102	56	6
11/23/2025	16,020	104	432	1,684	0.00	5,992	3,549	102	47	7
11/24/2025	15,213	81	419	1,617	0.00	6,671	3,423	102	53	7
11/25/2025	14,234	49	408	1,538	0.00	6,678	1,864	100	59	3
11/26/2025	13,412	32	402	1,355	0.00	6,671	1,861	101	54	6
11/27/2025	12,604	31	397	1,451	0.00	5,992	1,862	103	42	6
11/28/2025	12,555	31	396	1,407	0.00	5,498	1,864	101	21	5
11/29/2025	12,324	31	394	1,353	0.00	4,999	1,868	99	12	2
11/30/2025	11,921	30	391	1,320	0.00	4,488	1,873	97	42	7
12/01/2025	11,729	29	383	1,247	0.00	4,500	1,874	86	43	7

SRWTP: Sacramento Regional Water Treatment Plant effluent.

Yolo Bypass: combined measurements of Cache Creek at Rumsey, Freemont Weir, and Fremont Weir Big Notch Fish Passage Gate.

East Side Streams: combined stream flows of Cosumnes River at Michigan Bar, Mokelumne River at Woodbridge, miscellaneous streams estimated from Dry Creek at Galt (discontinued since Dec. 1997), and Calaveras River based on releases from New Hogan Dam.

Rainfall: incremental daily precipitation measured at Stockton Fire Station #4.

CCWD Pumping Plants: combined pumping at the Old River, Rock Slough and Middle River Plants.

Delta Hydrology Conditions

Date	Banks PP cfs	Delta GCD cfs	Rio Vista Flow cfs	QWEST cfs	NDOI cfs	E/I Ratio 3 day	E/I Ratio 14 day	Delta Status
11/02/2025	1,119	1,700	8,043	-1,699	6,142	40.5%	37.3%	b
11/03/2025	1,216	1,700	8,199	-1,709	6,293	39.1%	36.6%	b
11/04/2025	969	1,700	8,277	-1,861	6,231	38.8%	36.9%	b
11/05/2025	882	1,700	8,503	-2,087	6,221	38.8%	37.3%	b
11/06/2025	1,194	1,700	8,110	-2,063	5,849	38.8%	36.9%	b
11/07/2025	1,267	1,700	9,459	-2,315	6,944	38.2%	37.1%	b
11/08/2025	1,482	1,650	9,173	-2,969	6,008	39.2%	38.6%	b
11/09/2025	1,804	1,650	9,095	-2,959	5,952	40.3%	40.7%	b
11/10/2025	1,813	1,650	8,609	-2,996	5,423	42.6%	42.1%	b
11/11/2025	1,946	1,650	7,777	-3,223	4,381	44.4%	42.7%	b
11/12/2025	734	1,650	7,208	-2,859	4,158	45.9%	42.1%	b
11/13/2025	0	1,650	6,974	-2,887	3,901	47.3%	41.7%	b
11/14/2025	2,467	1,650	9,064	-1,124	8,147	52.0%	46.0%	b
11/15/2025	4,382	1,700	11,129	-1,265	10,092	55.4%	53.0%	b
11/16/2025	4,082	1,700	12,379	872	13,699	57.4%	60.1%	b
11/17/2025	3,580	1,700	14,873	4,943	20,602	52.3%	60.0%	b
11/18/2025	5,093	1,700	16,564	6,119	23,657	50.5%	61.0%	b
11/19/2025	5,613	1,700	15,945	2,724	19,252	48.2%	61.4%	b
11/20/2025	5,576	1,750	17,565	3,051	21,188	46.8%	62.3%	b
11/21/2025	6,939	1,750	19,240	943	20,641	44.5%	62.2%	b
11/22/2025	6,811	1,750	16,900	-2,631	14,410	44.3%	62.4%	b
11/23/2025	5,562	1,750	13,852	-4,389	9,405	46.4%	61.8%	b
11/24/2025	6,501	1,750	13,122	-5,213	7,845	50.2%	60.1%	b
11/25/2025	7,066	1,800	12,399	-3,850	8,478	51.4%	55.4%	b
11/26/2025	7,066	1,800	11,057	-5,128	5,749	52.4%	52.3%	b
11/27/2025	5,835	1,850	10,327	-4,752	5,408	51.1%	47.2%	b
11/28/2025	5,590	1,900	9,612	-4,307	5,154	51.7%	44.4%	b
11/29/2025	4,586	1,900	9,555	-3,898	5,512	50.1%	41.3%	b
11/30/2025	4,796	1,950	9,355	-3,471	5,708	47.9%	38.6%	b
12/01/2025	4,547	2,000	8,991	-3,596	5,216	46.5%	37.1%	b

Delta Gross Channel Depletions from Dayflow Table 3.

Rio Vista Flow calculated from Dayflow equation.

QWEST calculated from Dayflow equation.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised March 2000.

E/I Ratio : Export to Import Ratio

Coordinated Operation Agreement Delta Status:

c = Excess Delta cond.

b = Balanced Delta cond.

i = Excess Delta cond. w/ restrictions for Delta Inflow

j = Excess Delta cond. w/ restrictions for San Joaquin River Flow

m = Excess Delta cond. w/ restrictions for Sacramento River Flow

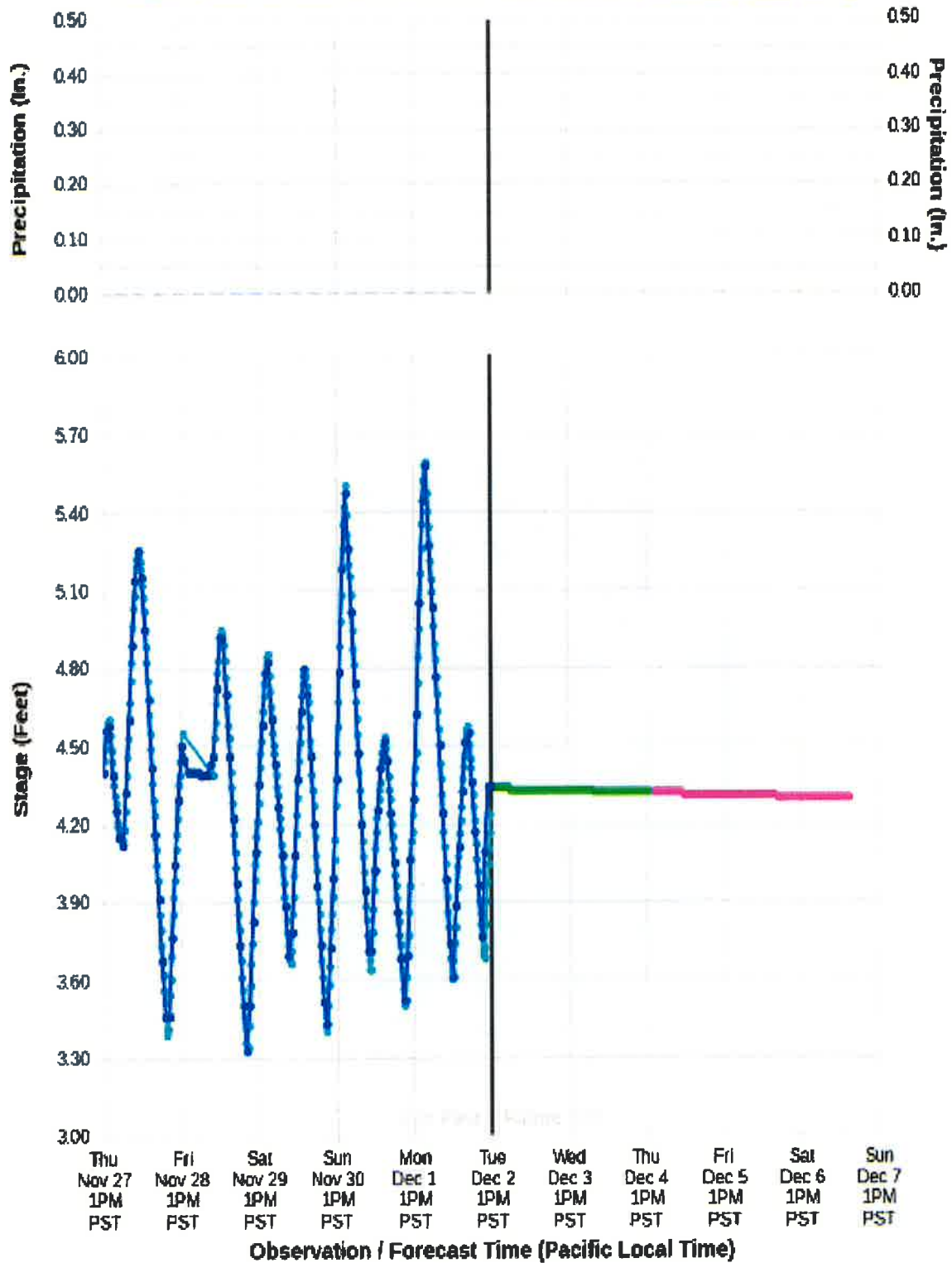
o = Excess Delta cond. w/ restrictions for Old and Middle River Flow

r = Excess Delta cond. w/ restrictions

EXHIBIT G

San Joaquin River - Mossdale (MOSC1) River Forecast Plot

Forecast Posted: 12/02/2025 at 1:01 PM PST • Graphic Created: 12/02/2025 at 1:08 PM PST



Observed (Simulated) Forecast Guidance
Observed (Raw Gauge)

California Department of Water Resources
NOAA / NWS / California Nevada River Forecast Center

[Show MSD Map](#) | [24 Hours MSD Data](#) | [Plot all MSD Sensors](#) | [Daily MSD Data](#) | [MSD Info](#)

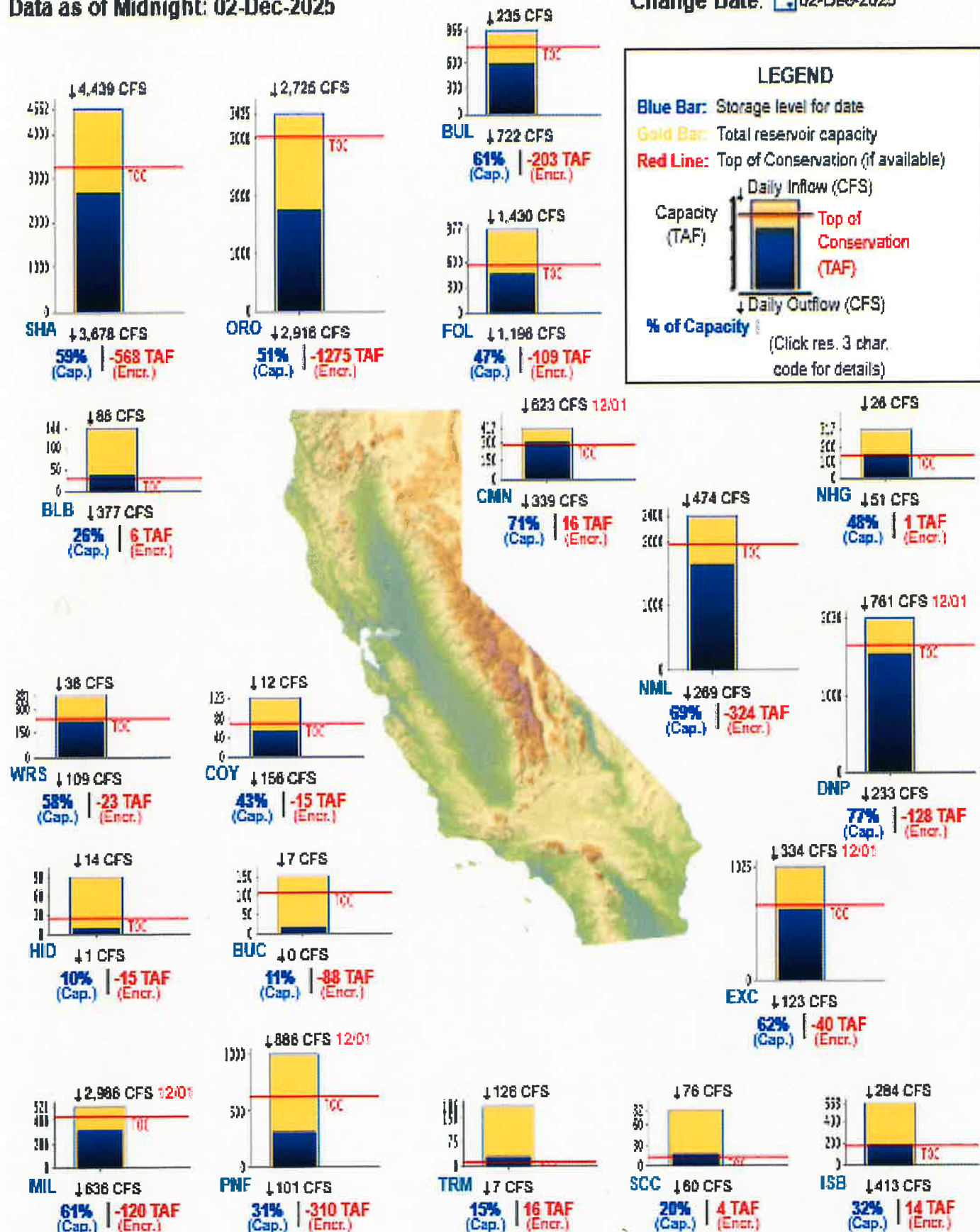
EXHIBIT H

TOP OF CONSERVATION CONDITIONS:

CENTRAL VALLEY AND RUSSIAN RIVER FLOOD CONTROL RESERVOIRS: 02-DEC-2025

Data as of Midnight: 02-Dec-2025

Change Date: 02-Dec-2025

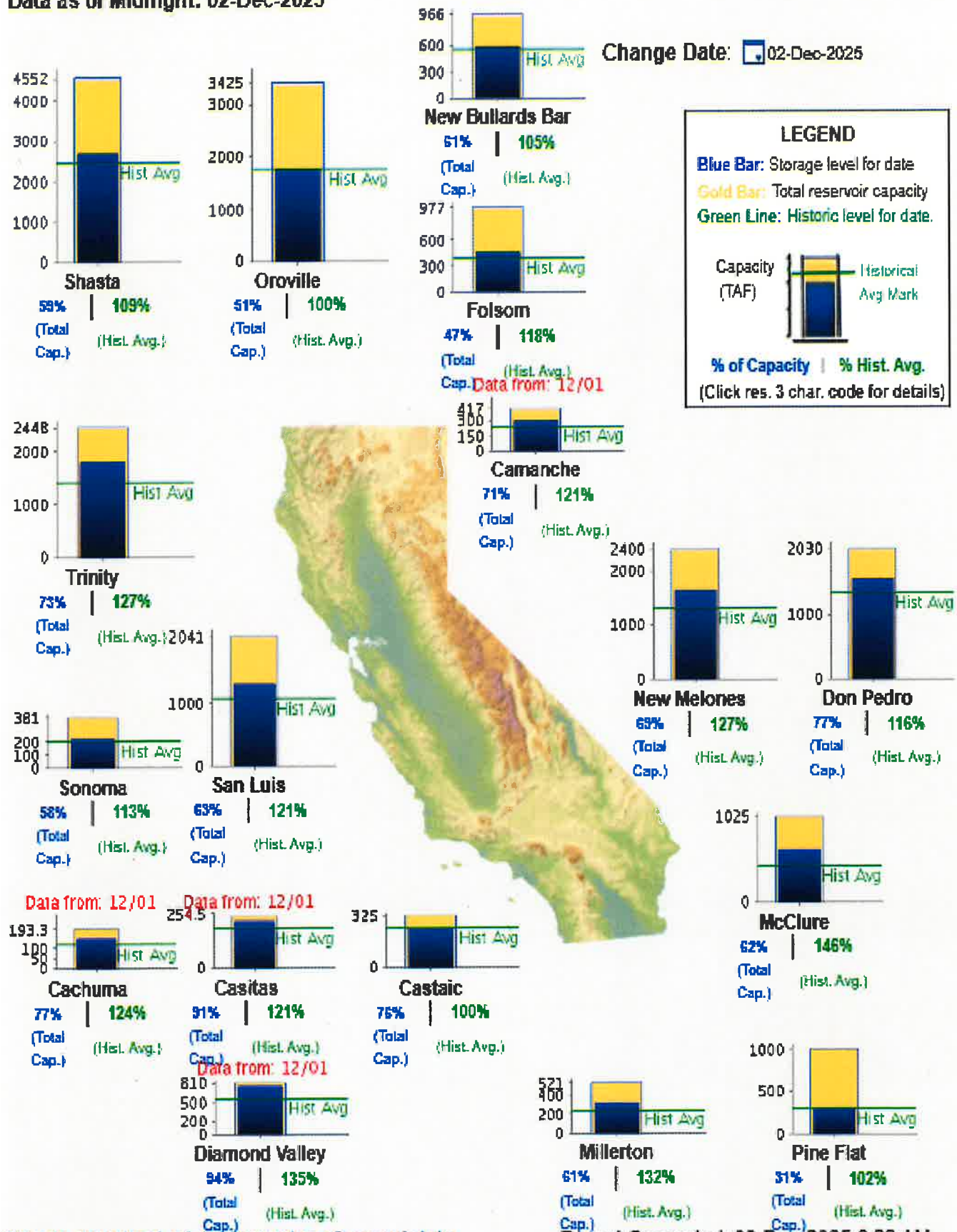


[Click to download printable version of current data.](#)

Report Generated: 03-Dec-2025 6:21 AM

CURRENT CONDITIONS: MAJOR WATER SUPPLY RESERVOIRS:02-DEC-2025

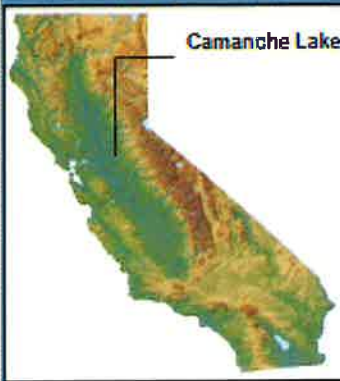
Data as of Midnight: 02-Dec-2025



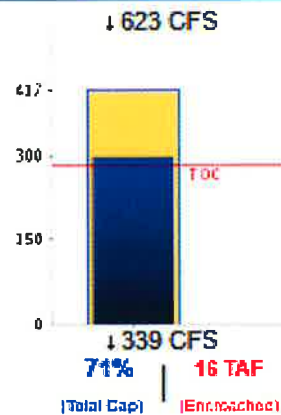
The CSI link has been disabled to zoom in, for the lack of historical data.

EXHIBIT I

Camanche - Top of Conservation Conditions, December 02, 2025



Camanche Lake



Data as of Midnight: December 01, 2025

- Storage: 297,040 AF
- Reservoir Elevation: No Data
- 71% of Total Capacity
- 16 TAF Encroached For This Date
- Total Capacity: 417,120 AF
- Avg. Stor. December 02: 244,482 AF
- TOC Stor. 280,735 AF
- Daily Inflow: 623 CFS
- Daily Outflow: 339 CFS

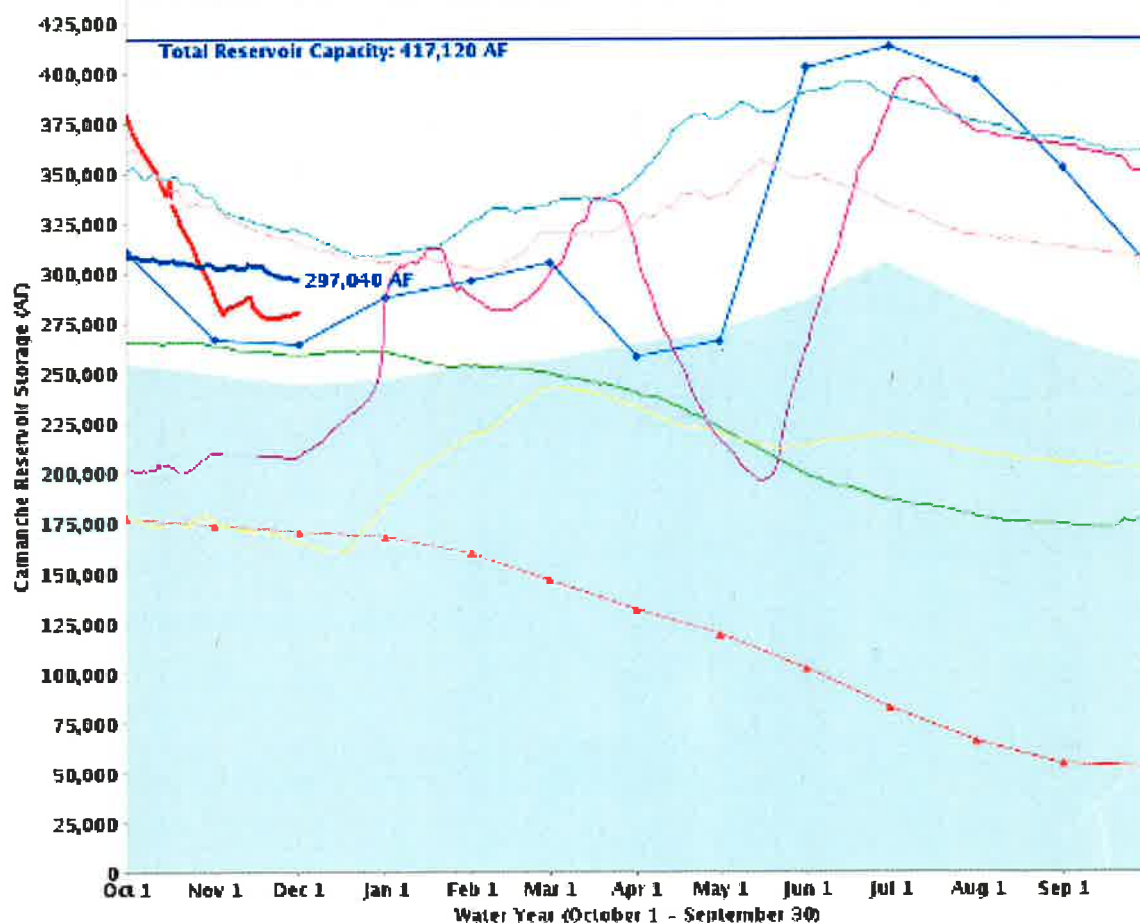
Change Date: 02-Dec-2025

Camanche Storage Level Graph: Choose water years to plot:

- 1976-1977 (dry)
- 1977-1978
- 1982-1983 (wet)
- 2000-2001
- 2001-2002
- 2002-2003

(click for multiple selections)

Camanche Reservoir Storage Levels



Historical Average — Total Reservoir Capacity — TOC — 1976-1977 (dry) — 1982-1983 (wet) — 2020-2021
 — 2021-2022 — 2022-2023 — 2023-2024 — 2024-2025 — 2025-2026 (current)

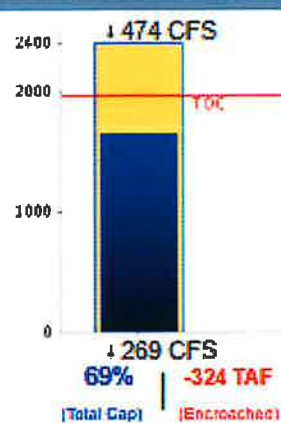
EXHIBIT J

New Melones - Top of Conservation Conditions, December 02, 2025



New Melones Lake

Major Reservoir TOC Current Conditions Graphs



Data as of Midnight: December 02, 2025

- Storage: 1,845,480 AF
- Reservoir Elevation: 1,018.33 FT
- 69% of Total Capacity
- 324 TAF Encroached For This Date
- Total Capacity: 2,400,000 AF
- Avg. Stor. December 02: 1,298,674 AF
- TOC Stor. 1,870,000 AF
- Daily Inflow: 474 CFS
- Daily Outflow: 289 CFS

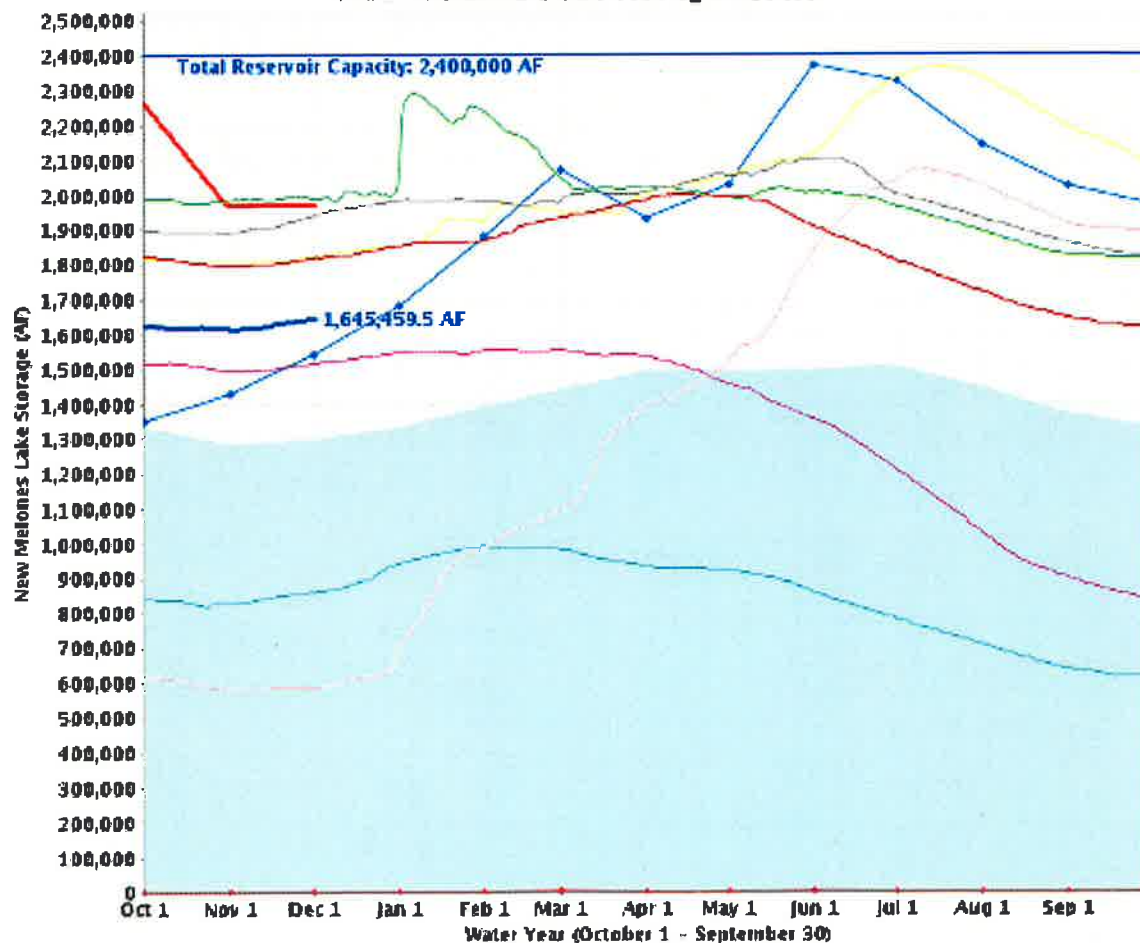
Change Date: ☐ 02-Dec-2025

New Melones Storage Level Graph: Choose water years to plot:

- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

(ctrl+click for multiple selections)

New Melones Lake Storage Levels



Historical Average — Total Reservoir Capacity — TOC — 1976-1977 (dry) — 1982-1983 (wet) — 1996-1997
1997-1998 — 2020-2021 — 2021-2022 — 2022-2023 — 2023-2024 — 2024-2025 — 2025-2026(current)

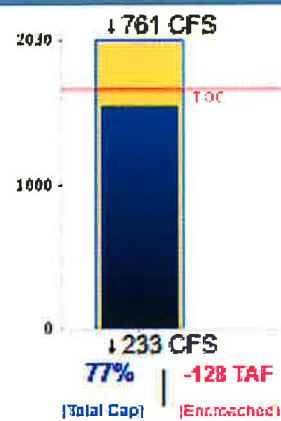
EXHIBIT K

Don Pedro - Top of Conservation Conditions, December 02, 2025



Don Pedro Reservoir

Major Reservoir TOC Current Conditions Graphs



Data as of Midnight: December 01, 2025

- Storage: 1,562,726 AF
- Reservoir Elevation: 760.23 FT
- 77% of Total Capacity
- -128 TAF Encroached For This Date
- Total Capacity: 2,030,000 AF
- Avg. Stor. December 02: 1,342,614 AF
- TOC Stor. 1,680,000 AF
- Daily Inflow: 761 CFS
- Daily Outflow: 233 CFS

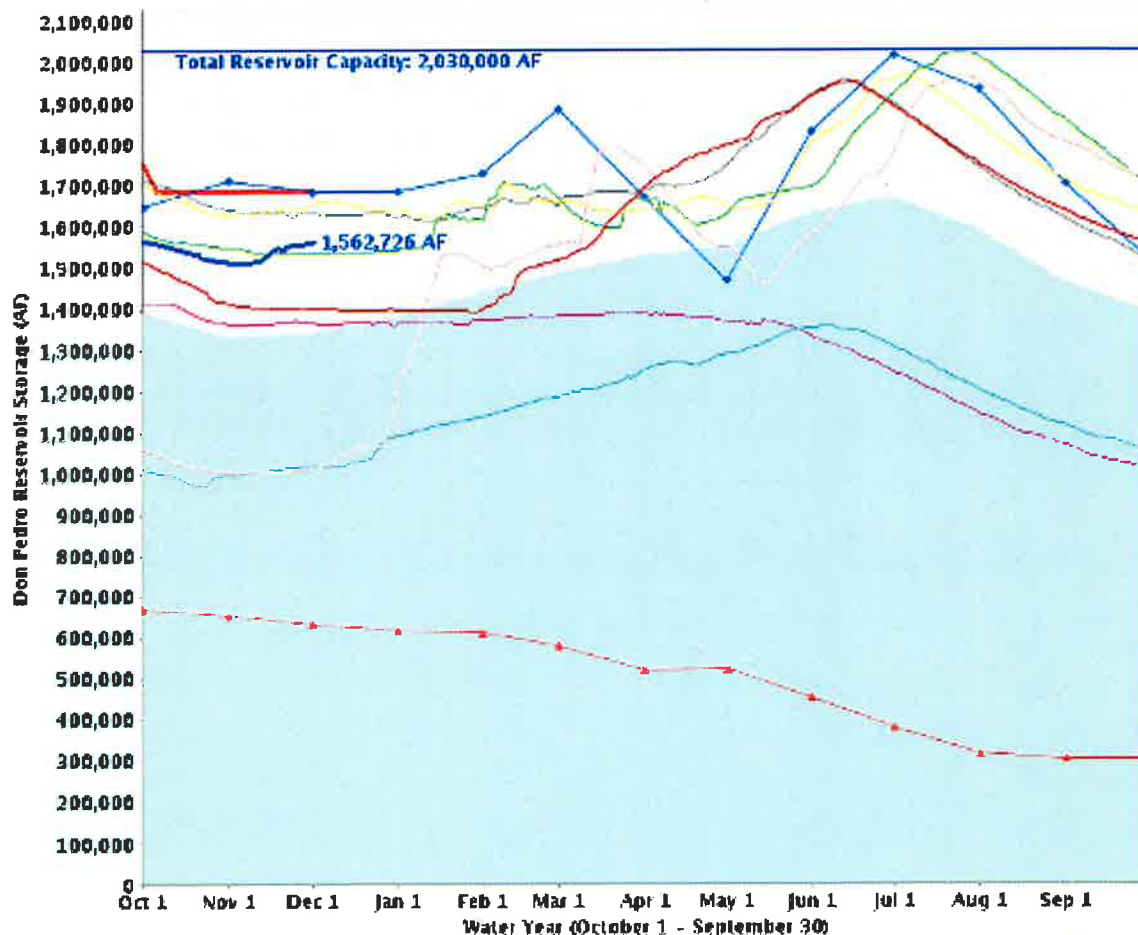
Change Date: ☐ 02-Dec-2025

Don Pedro Storage Level Graph: Choose water years to plot:

- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

(ctrl+click for multiple selections)

Don Pedro Reservoir Storage Levels



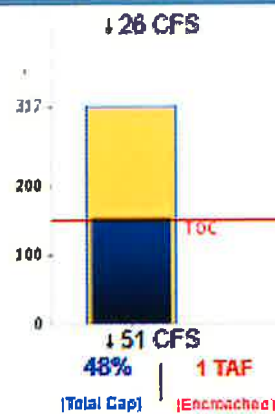
Historical Average — Total Reservoir Capacity — TOC — 1976-1977 (dry) — 1982-1983 (we0) — 1997-1998
1998-1999 — 2020-2021 — 2021-2022 — 2022-2023 — 2023-2024 — 2024-2025 — 2025-2026(current)

EXHIBIT L

New Hogan - Top of Conservation Conditions, December 02, 2025



New Hogan Lake



Data as of Midnight: December 02, 2025

- Storage: 153,744 AF
- Reservoir Elevation: 666.74 FT
- 48% of Total Capacity
- 1 TAF Encroached For This Date
- Total Capacity: 317,000 AF
- Avg. Stor. December 02: 109,264 AF
- TOC Stor. 162,100 AF
- Daily Inflow: 26 CFS
- Daily Outflow: 51 CFS

Change Date: ☐ 02-Dec-2025

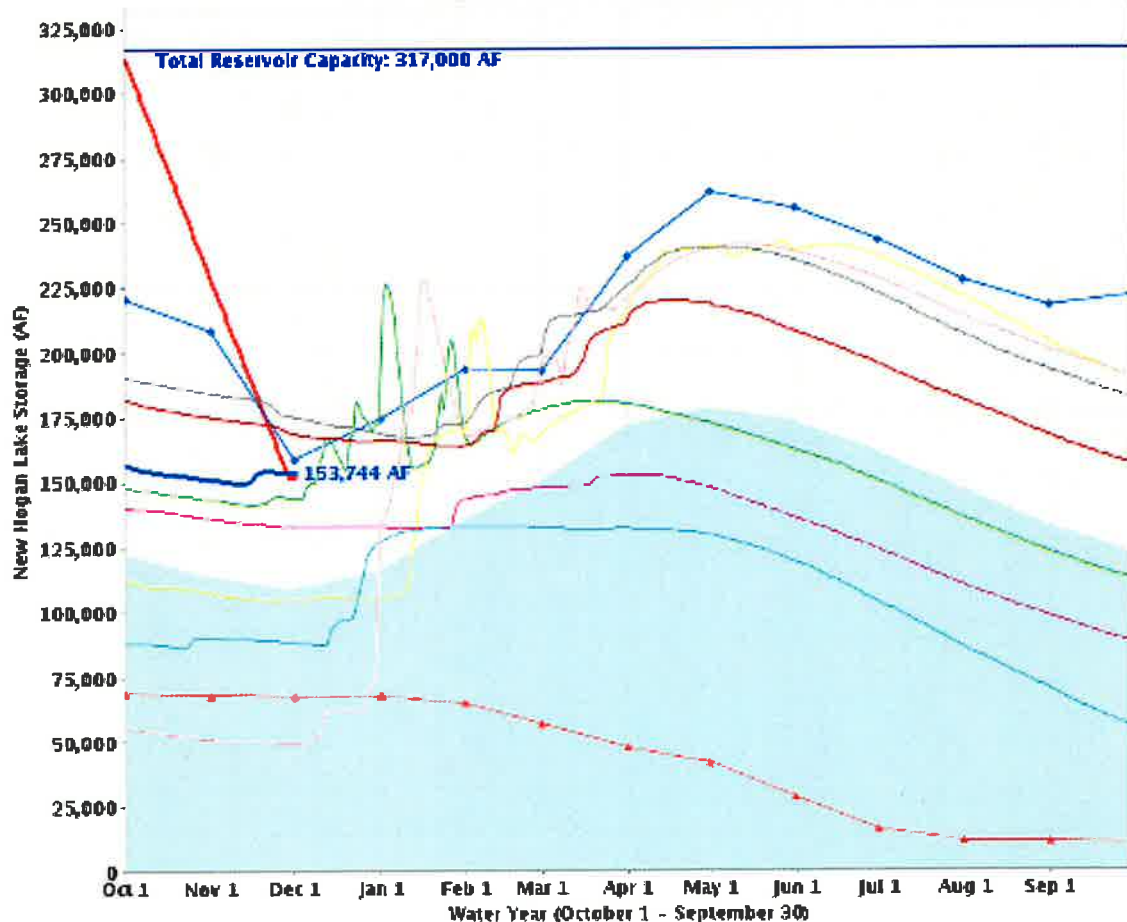
Major Reservoir TOC Current Conditions Graphs

New Hogan Storage Level Graph: Choose water years to plot:

- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

(click for multiple selections)

New Hogan Lake Storage Levels



Historical Average — Total Reservoir Capacity — TOC — 1976-1977 (dry) — 1982-1983 (wet) — 1996-1997
 1997-1998 — 2020-2021 — 2021-2022 — 2022-2023 — 2023-2024 — 2024-2025 — 2025-2026(current)

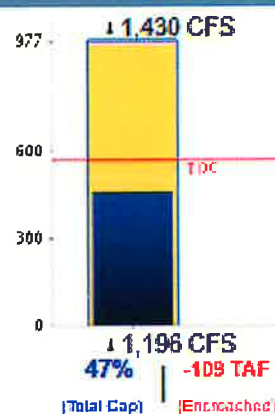
EXHIBIT M

Folsom - Top of Conservation Conditions, December 02, 2025



Folsom Lake

Major Reservoir TOC Current Conditions
Graphs



Data as of Midnight: December 02, 2025

- Storage: 457,296 AF
- Reservoir Elevation: 411.00 FT
- 47% of Total Capacity
- -109 TAF Encroached For This Date
- Total Capacity: 977,000 AF
- Avg. Stor. December 02: 387,460 AF
- TOC Stor. 566,823 AF
- Daily Inflow: 1,430 CFS
- Daily Outflow: 1,196 CFS

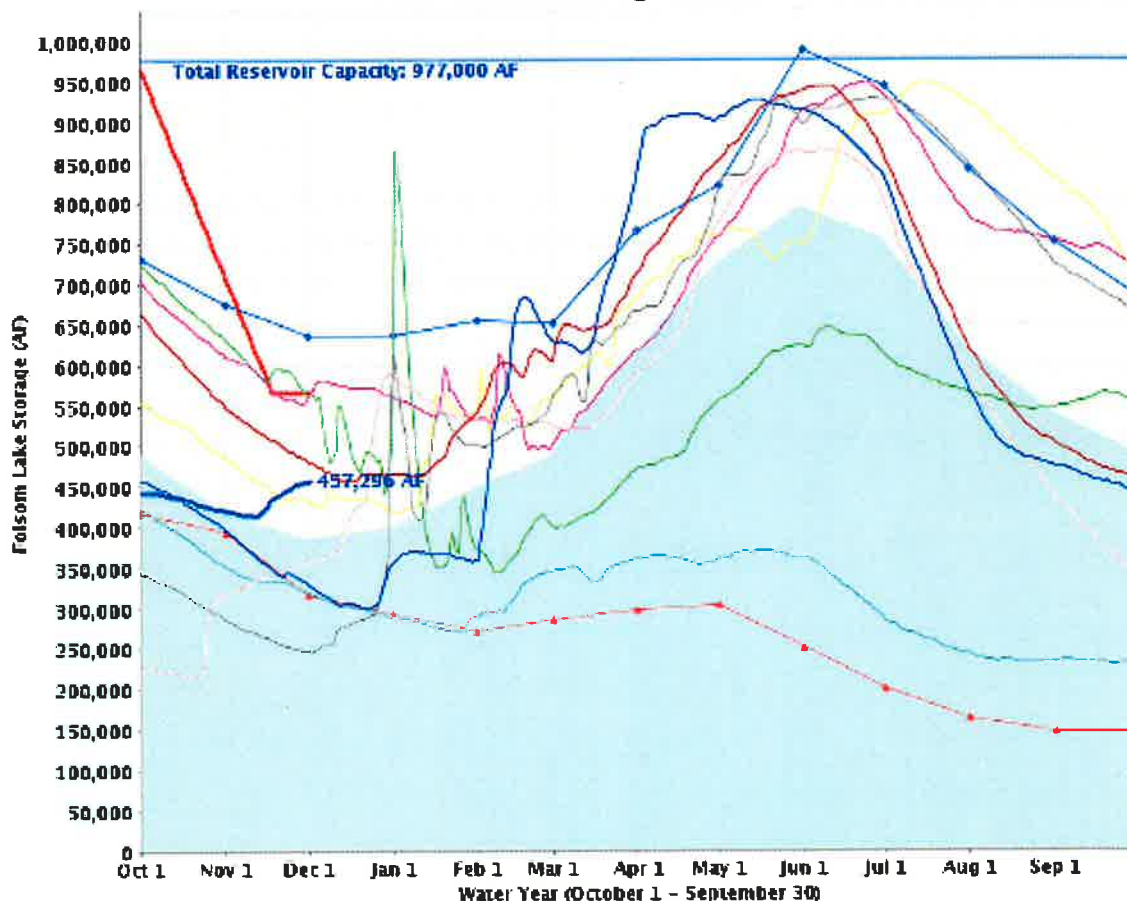
Change Date: 02-Dec-2025

Folsom Storage Level Graph: Choose water years to plot:

- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

(ctrl+click for multiple selections)

Folsom Lake Storage Levels



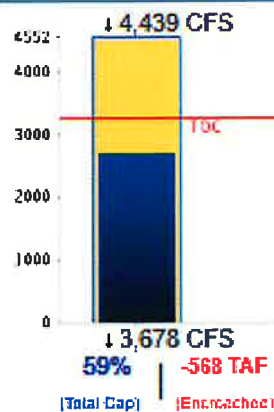
Historical Average — Total Reservoir Capacity — TOC — 1976-1977 (dry) — 1982-1983 (wet) — 1996-1997
 — 1997-1998 — 1998-1999 — 2020-2021 — 2021-2022 — 2022-2023 — 2023-2024 — 2024-2025
 — 2025-2026(current)

EXHIBIT N

Shasta - Top of Conservation Conditions, December 02, 2025



Lake Shasta



Data as of Midnight: December 02, 2025

- Storage: 2,683,114 AF
- Reservoir Elevation: 993.20 FT
- 59% of Total Capacity
- -568 TAF Encroached For This Date
- Total Capacity: 4,552,000 AF
- Avg. Stor. December 02: 2,456,520 AF
- TOC Stor. 3,252,100 AF
- Daily Inflow: 4,439 CFS
- Daily Outflow: 3,678 CFS

Major Reservoir TOC Current Conditions
Graphs

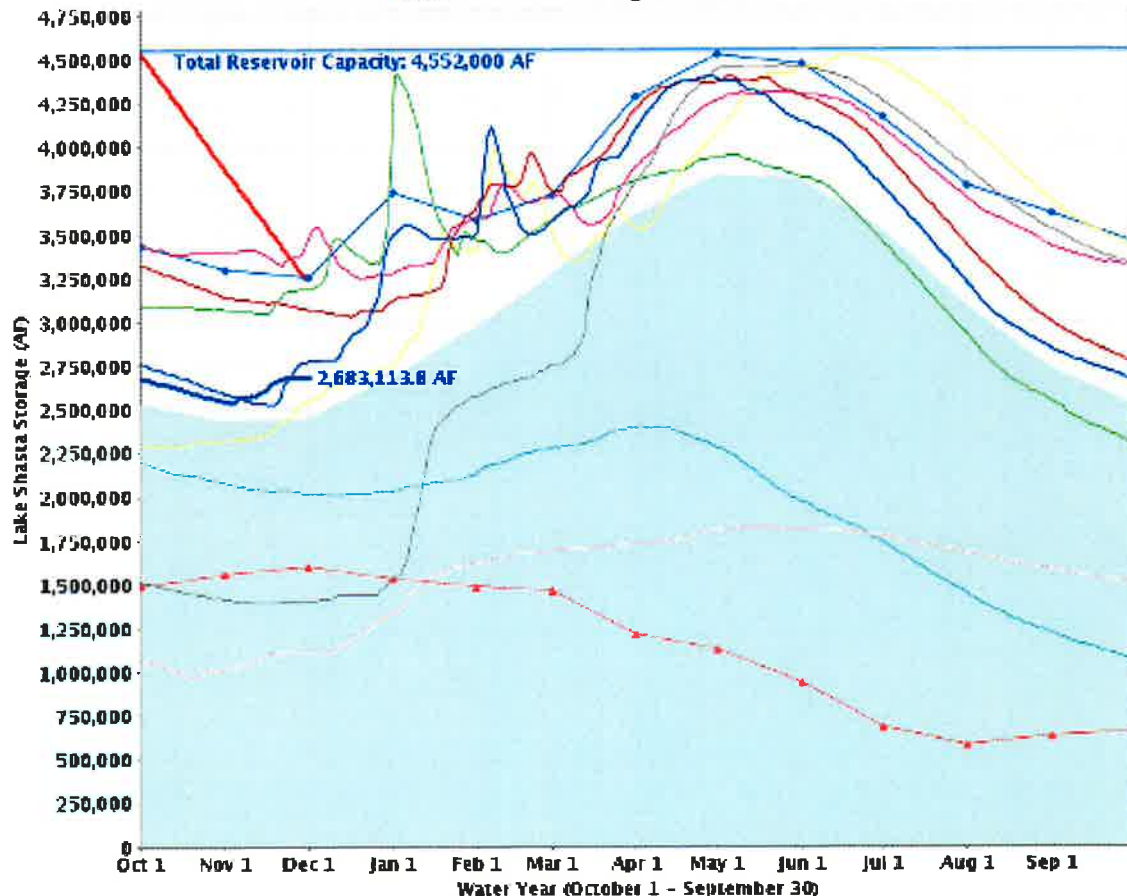
Change Date: ☐ 02-Dec-2025

Shasta Storage Level Graph: Choose water years to plot:

- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

(ctrl+click for multiple selections)

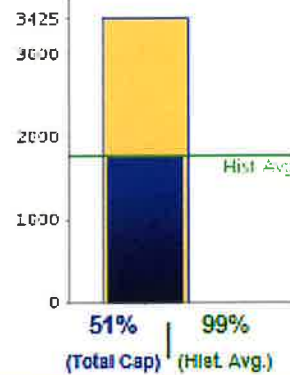
Lake Shasta Storage Levels



- Historical Average
- Total Reservoir Capacity
- TOC
- 1976-1977 (dry)
- 1982-1983 (wet)
- 1996-1997
- 1997-1998
- 1998-1999
- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

EXHIBIT O

Oroville - Storage Conditions, December 03, 2025



Data as of Midnight: December 03, 2025

- Storage: 1,756,838 AF
- Reservoir Elevation: 766.83 FT
- 51% of Total Capacity
- 99% of Historical Avg. For This Date
- Total Capacity: 3,424,753 AF
- Avg. Stor. for December 03: 1,766,835 AF

Change Date: ☐ 03-Dec-2025

Major Reservoirs Current Conditions Graphs

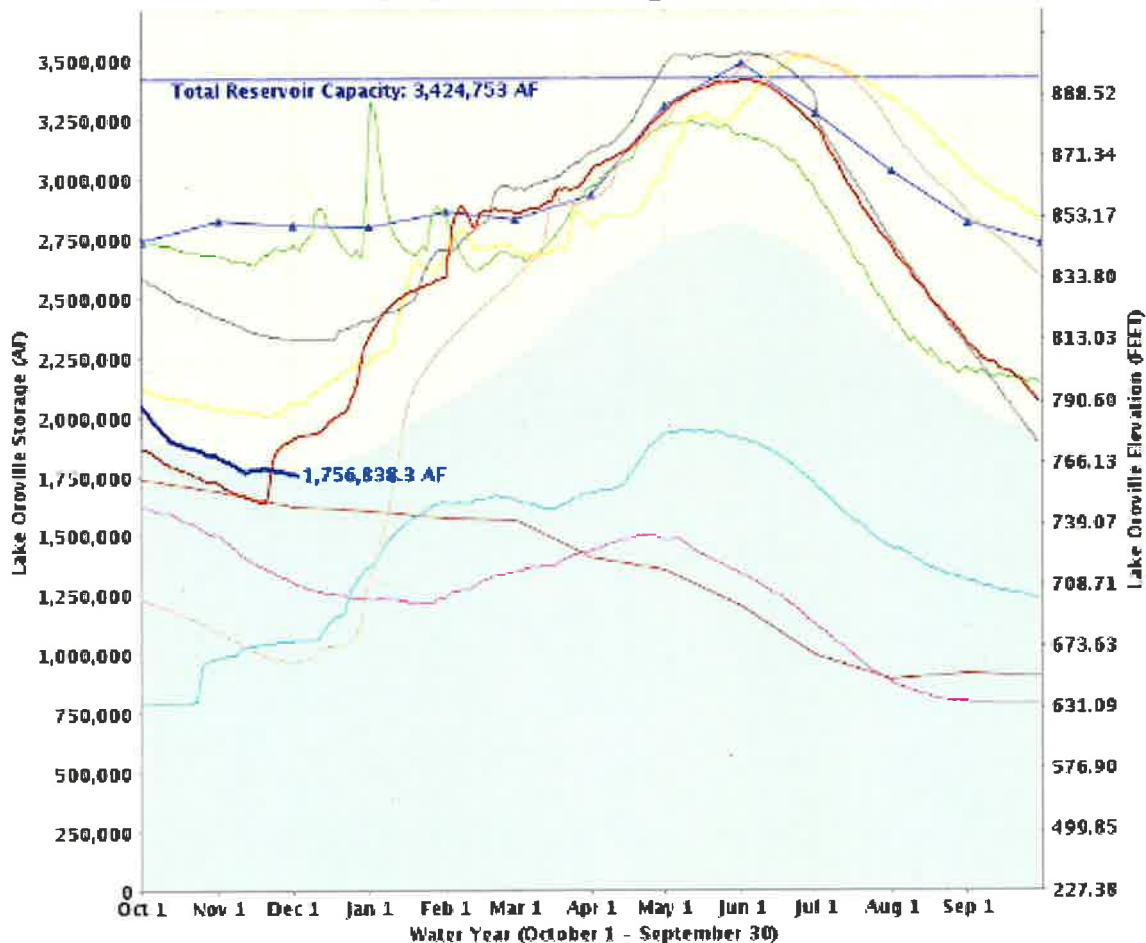
Printable Version of Current Data

Oroville Storage Level Graph: Choose water years to plot:

- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025
- 2025-2026(current)

(ctrl+click for multiple selections)

Lake Oroville Storage Levels



Historical Average — Total Reservoir Capacity — 1976-1977 (dry) — 1982-1983 (wet) — 1996-1997 — 1997-1998
— 2020-2021 — 2021-2022 — 2022-2023 — 2023-2024 — 2024-2025 — 2025-2026(current)