



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 March 7, 2025 - March 13, 2025

Prepared as a requirement of the Orders approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

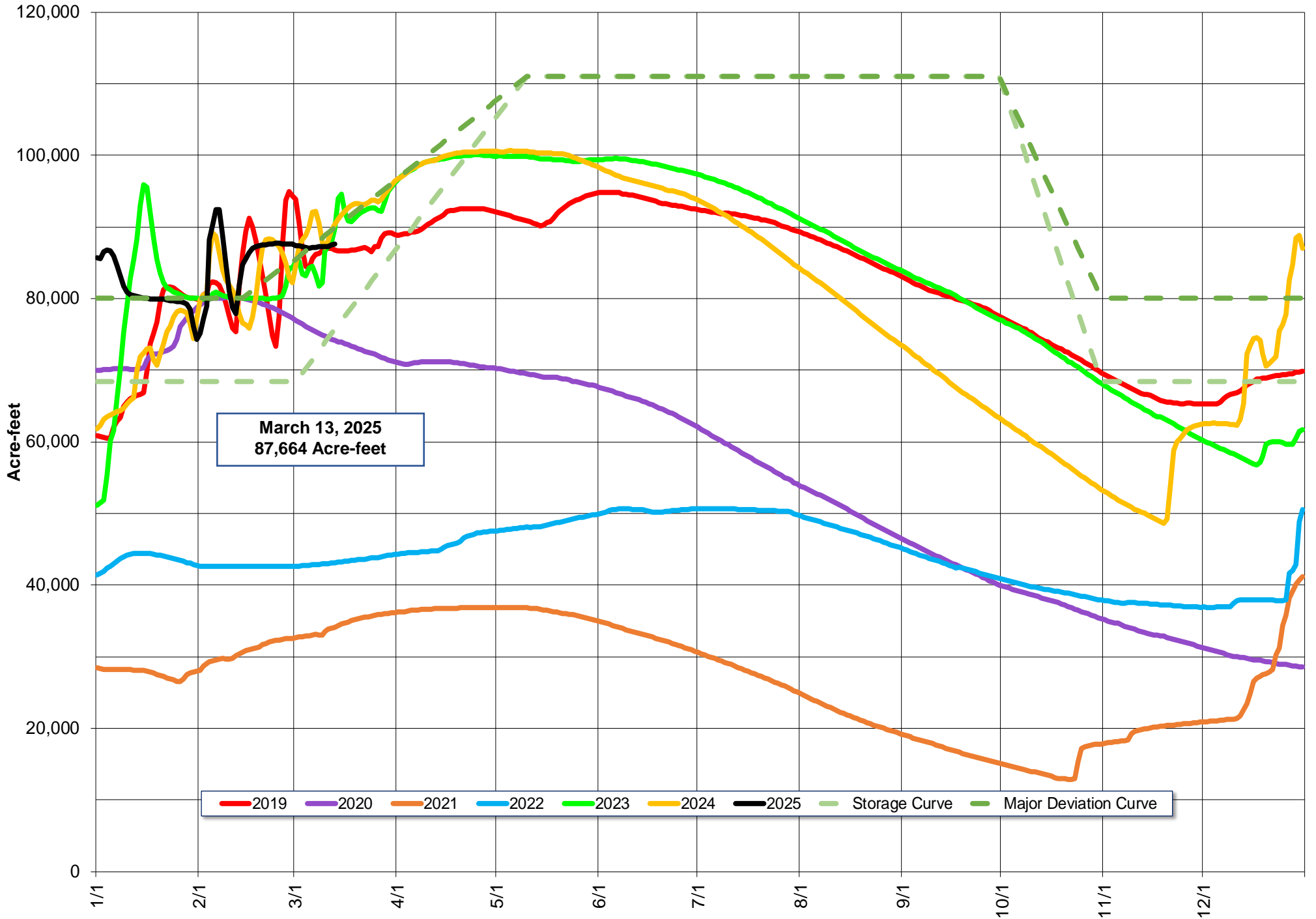
Instream Flow Requirements as of March 13, 2025

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	150	-
Modified Per Order: Normal Condition	Dry Creek	75	-
Modified Per Order: Normal Condition	Lower Russian River	125	-

Upper and Lower Russian River are based on criteria as established in the Order issued 10/31/2024.

Lake Mendocino

Lake Mendocino Storage 2019 - 2025 and Storage Curve



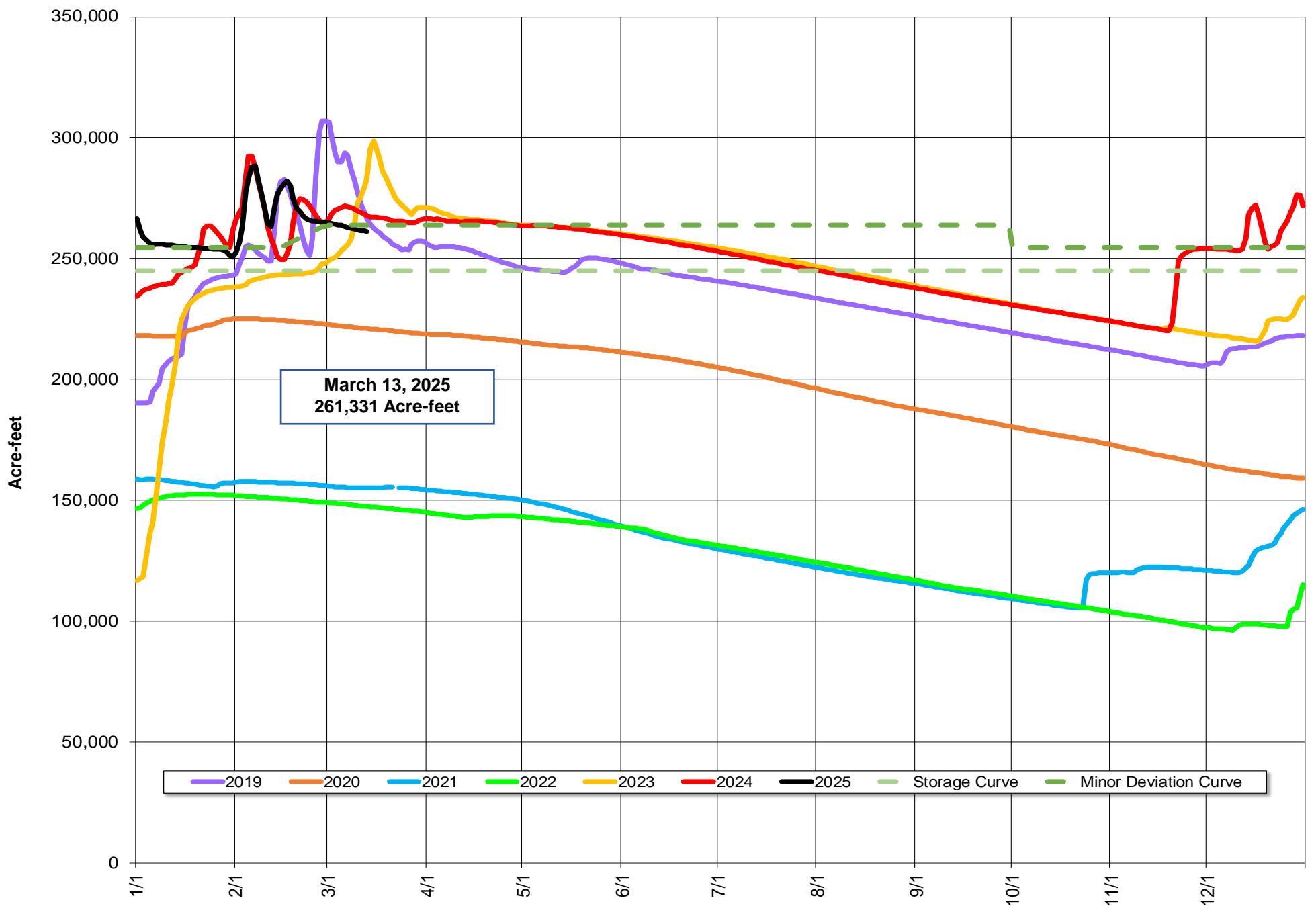
Storage (acre-feet)	March 13, 2025	87,664	
Change in Storage (acre-feet)	Last 30 days	8,902	297
	Last 7 days	507	72
Daily Inflow (cfs)	Last 7 days	Min	116
		Max	208
		Mean	147
Release (cfs)	Last 7 days	Min	100
		Max	101
		Mean	100

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025



Storage (acre-feet)	March 13, 2025	261,331	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,238	-108
	Last 7 days	-1,657	-237
Daily Inflow (cfs)	Last 7 days	Min	148
		Max	367
		Mean	209
Release (cfs)	Last 7 days	Min	349
		Max	352
		Mean	351

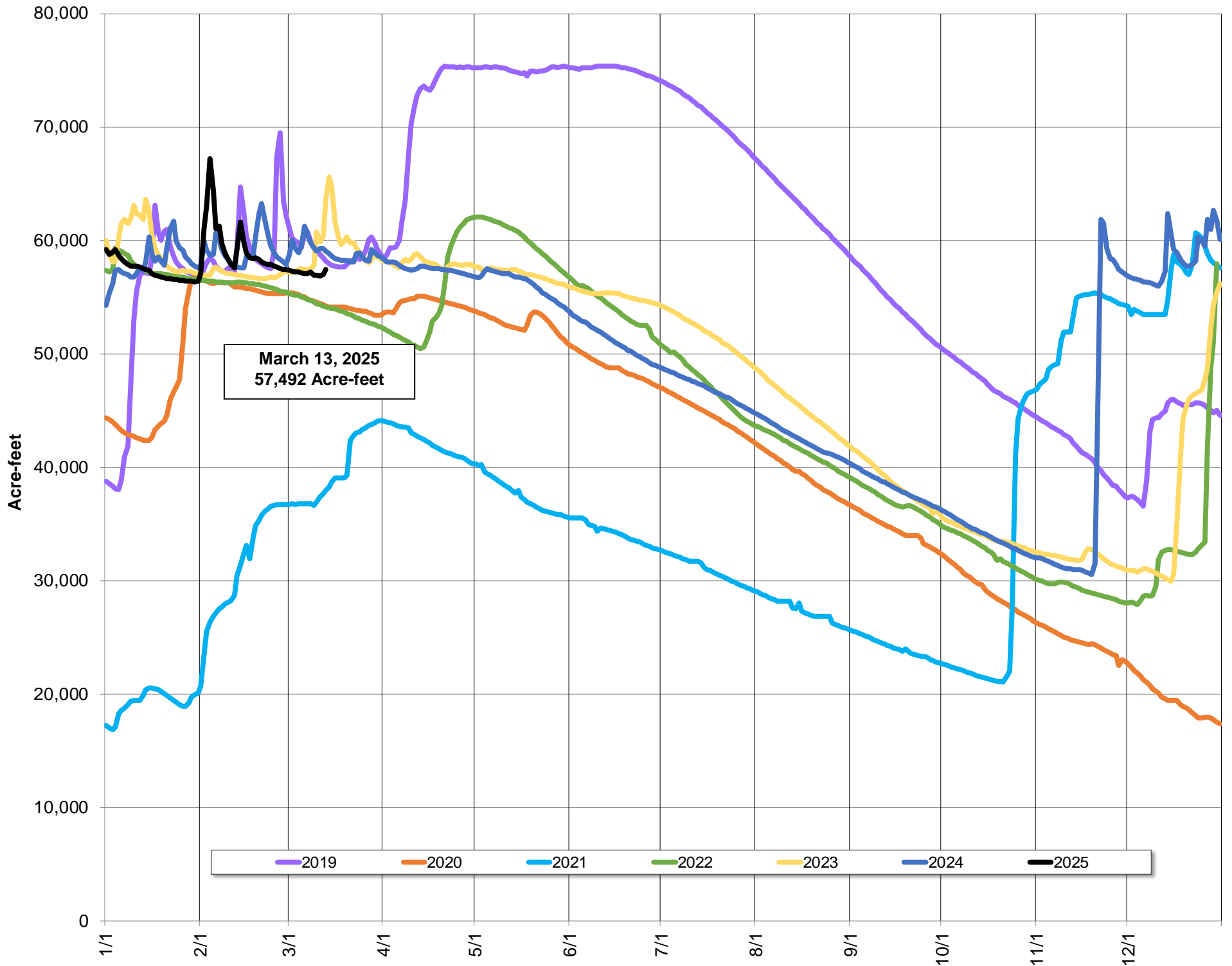
Potter Valley Project

PVP Diversion (cfs)	March 13, 2025	45
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2024 - March 13, 2025	454,936	2,774
	Last 7 days	7,081	1,012

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2019 - 2025 and Target Storage Scenarios

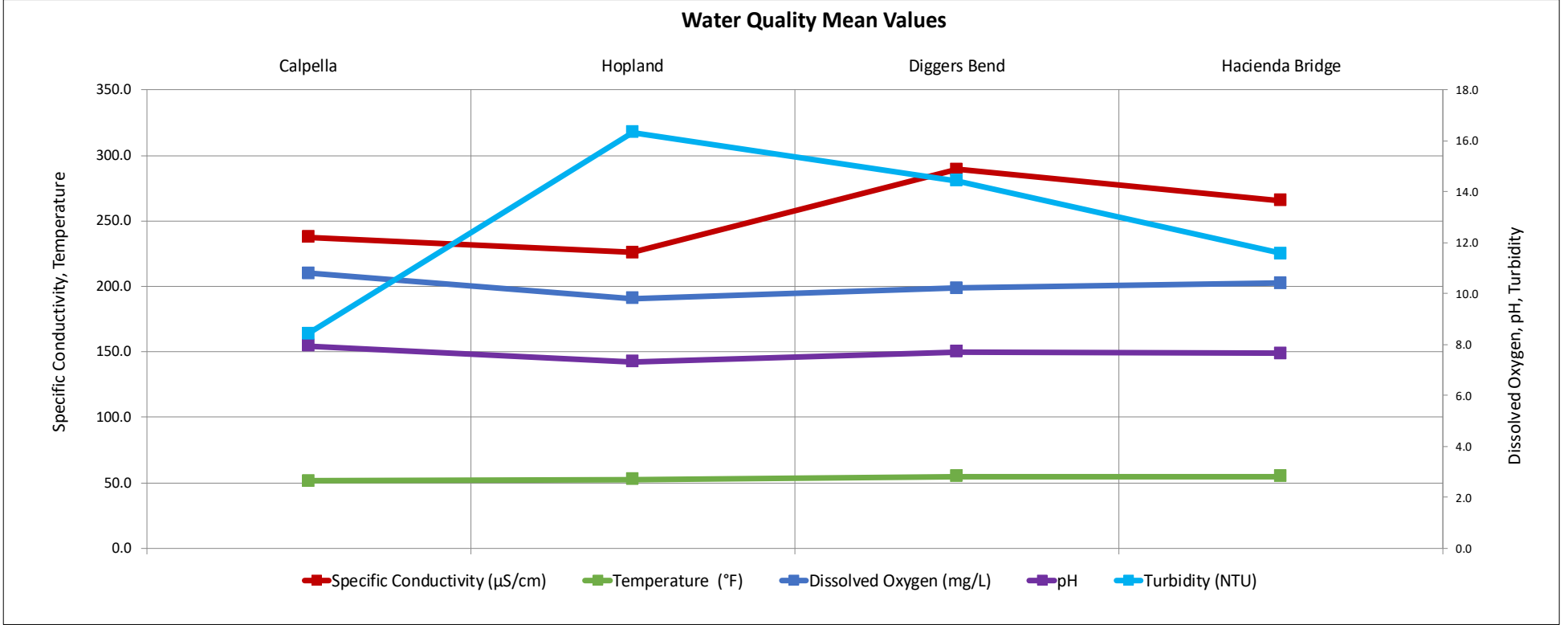


Russian River Flows (March 7, 2025 - March 13, 2025)

Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	48.9	49.5		51.4	52.0		52.7	
	Max	53.8	54.3		57.0	56.7		55.9	
	Mean	51.2	52.6		54.5	54.7		54.6	
Specific Conductivity (µS/cm)	Min	230.0	188.0			246.0		244.0	
	Max	246.0	233.0			298.0		271.0	
	Mean	237.4	225.9			289.2		265.5	
Dissolved Oxygen (mg/L)	Min	10.3	9.4			9.8		10.2	
	Max	11.3	10.5			10.7		10.7	
	Mean	10.8	9.8			10.2		10.4	
Dissolved Oxygen (% Saturation)	Min	94.1	87.0			92.5		94.2	
	Max	102.9	94.7			101.9		101.2	
	Mean	97.2	89.8			96.2		97.7	
pH	Min	7.9	7.3			7.7		7.6	
	Max	8.1	7.4			7.9		7.8	
	Mean	7.9	7.3			7.7		7.6	
Turbidity (NTU)	Min	5.5	11.2			7.9		8.2	
	Max	43.5	31.6			60.1		36.4	
	Mean	8.4	16.3			14.4		11.6	

*Station operated seasonally

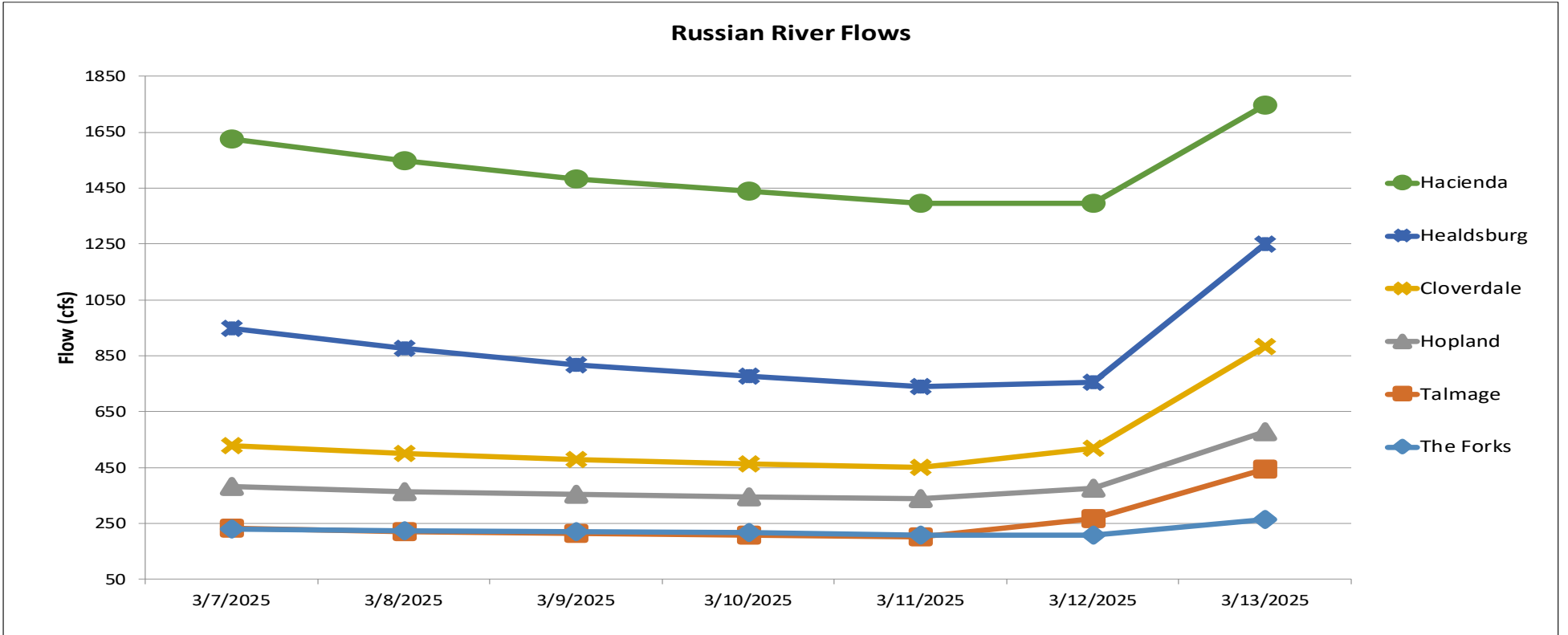
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Mar 7, 2025	Mar 8, 2025	Mar 9, 2025	Mar 10, 2025	Mar 11, 2025	Mar 12, 2025	Mar 13, 2025
The Forks*	229	223	219	216	207	208	262
Talmage USGS 11462080	234	221	213	207	203	268	443
Hopland USGS 11462500	381	365	354	345	337	377	579
Cloverdale USGS 11463000	529	500	479	463	451	518	884
Healdsburg USGS 11464000	948	875	816	775	740	756	1250
Hacienda USGS 11467000	1625	1549	1483	1438	1395	1396	1746

*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

Russian River Flows

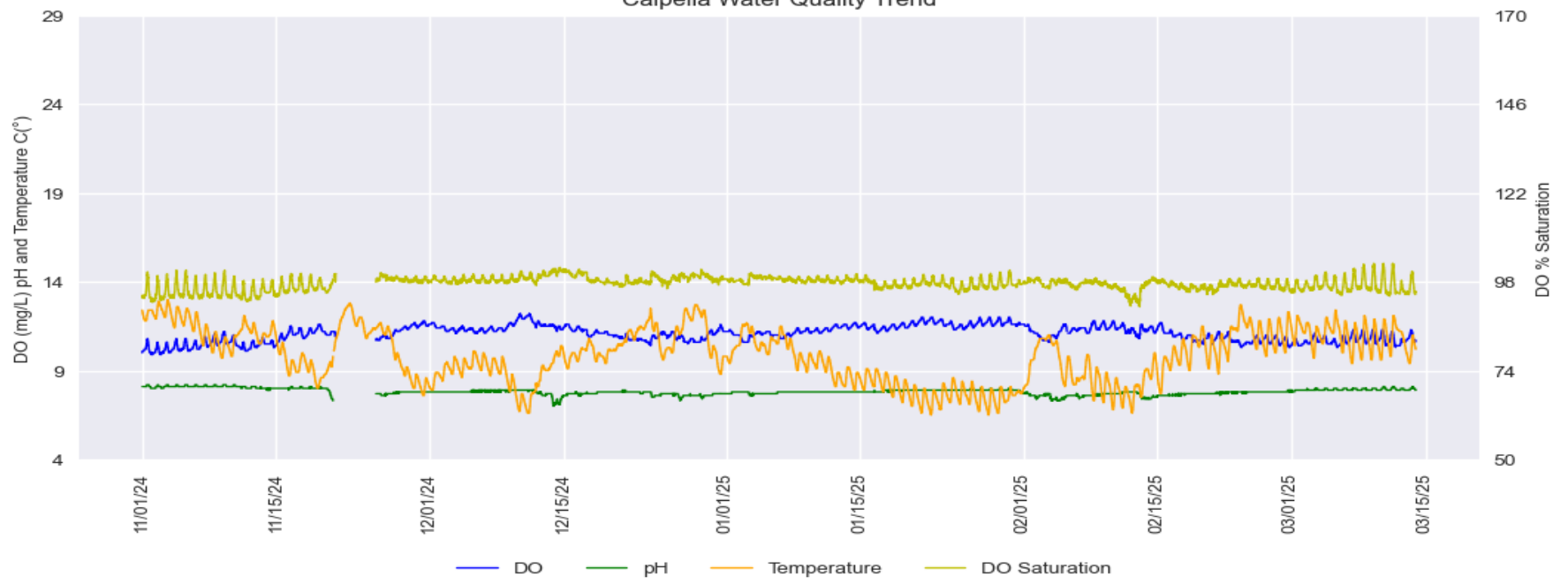


Russian River Water Quality November 1, 2024 – March 13, 2025

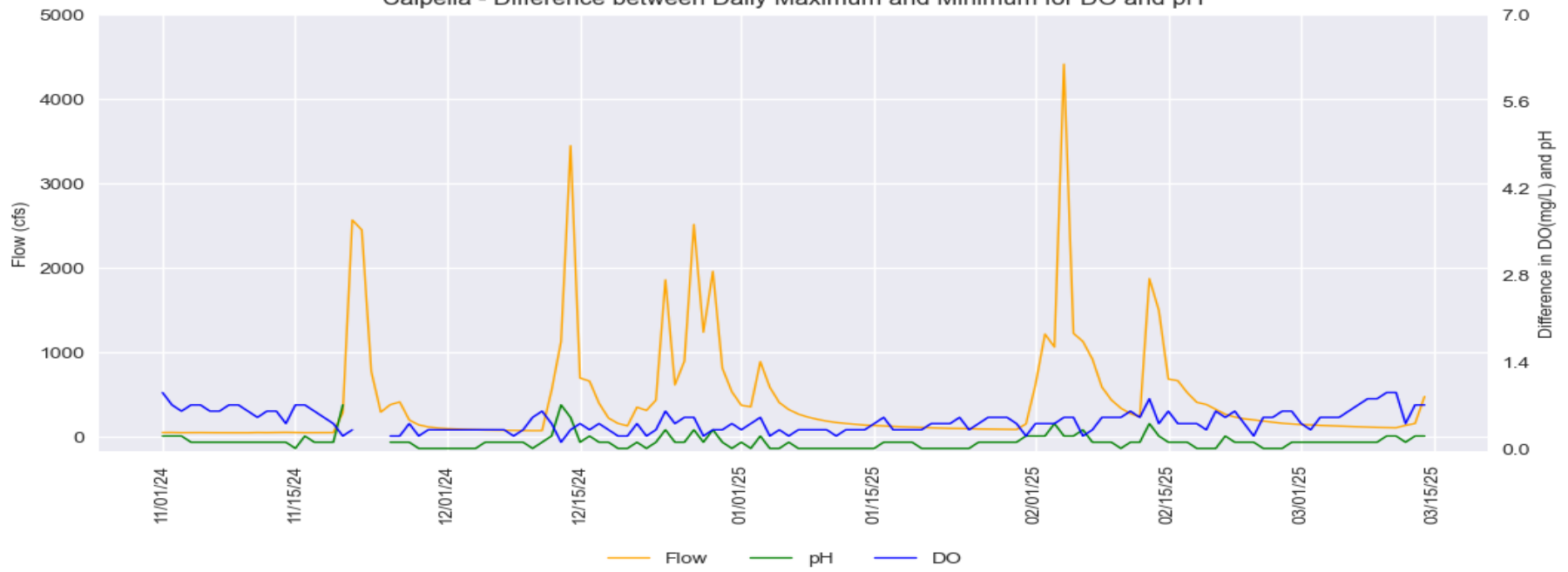
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

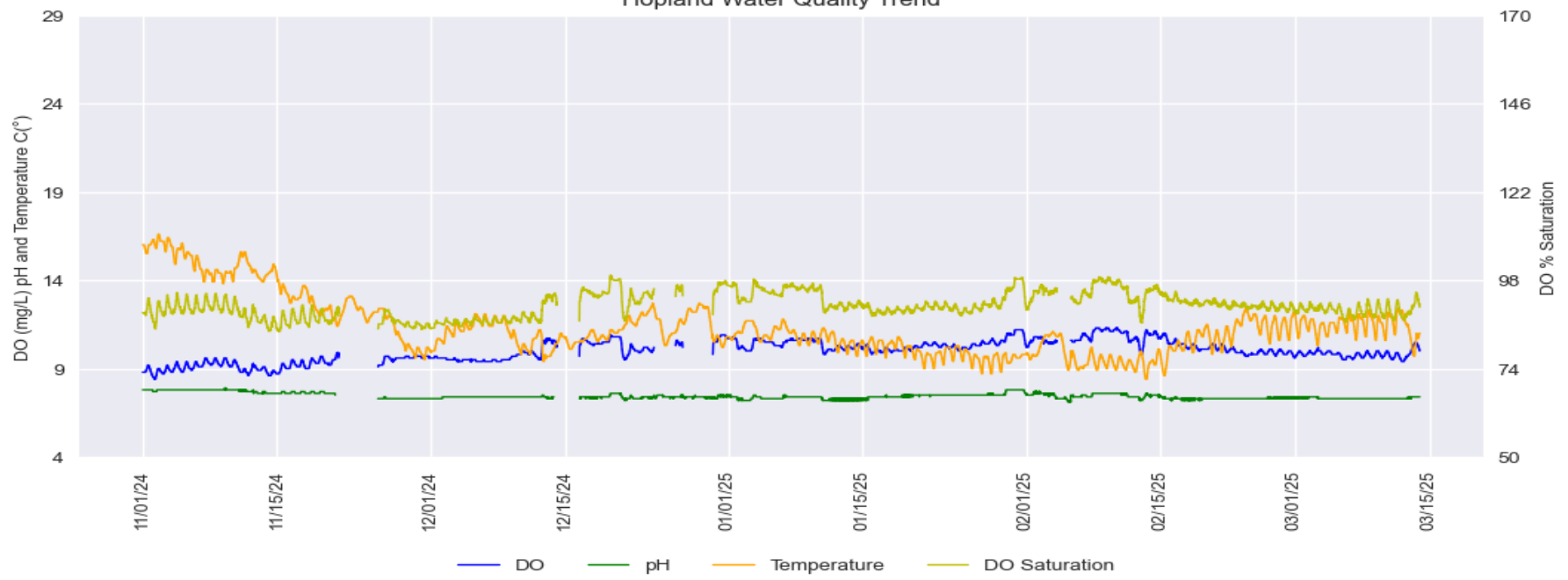


Calpella - Difference between Daily Maximum and Minimum for DO and pH

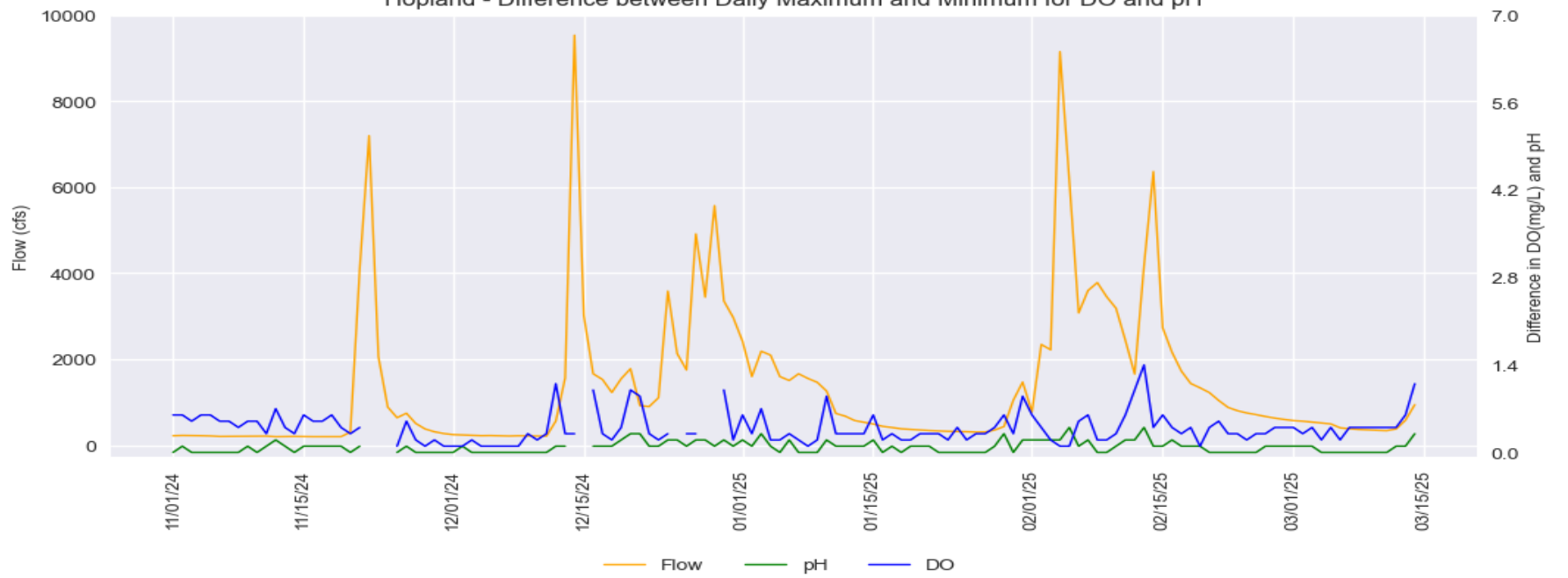


Hopland

Hopland Water Quality Trend



Hopland - Difference between Daily Maximum and Minimum for DO and pH

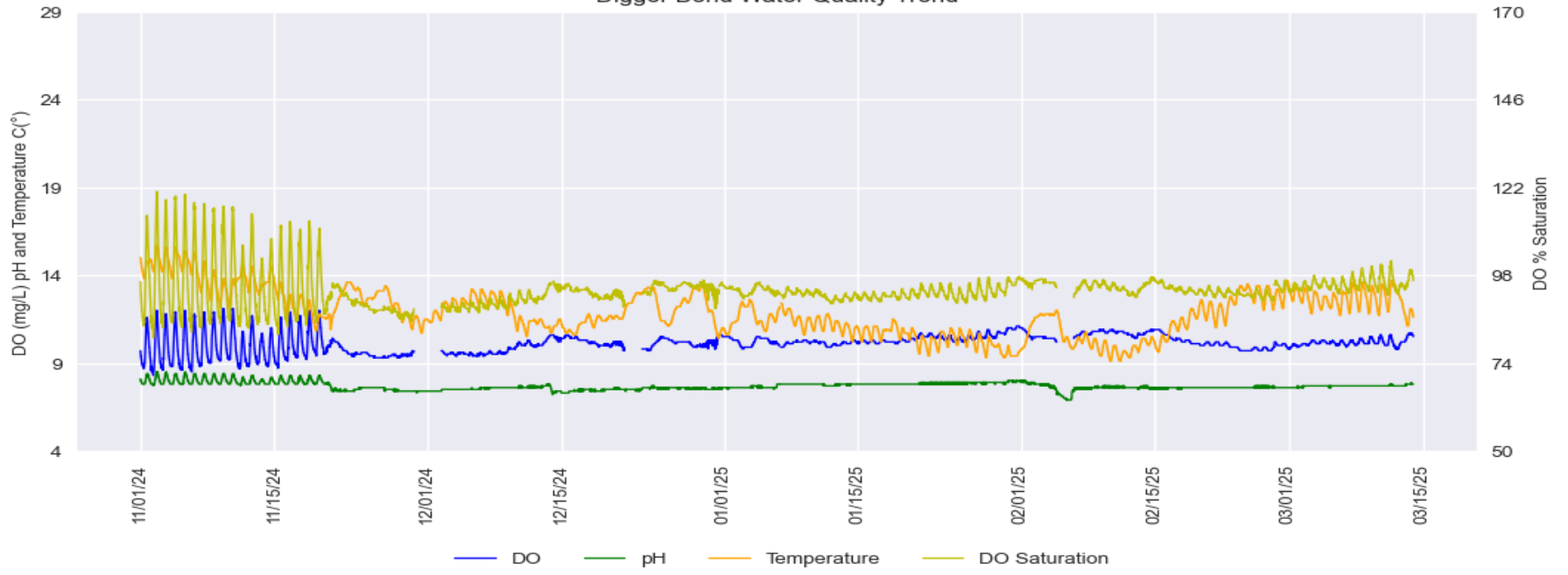


Russian River Water Quality November 1, 2024 – March 6, 2025

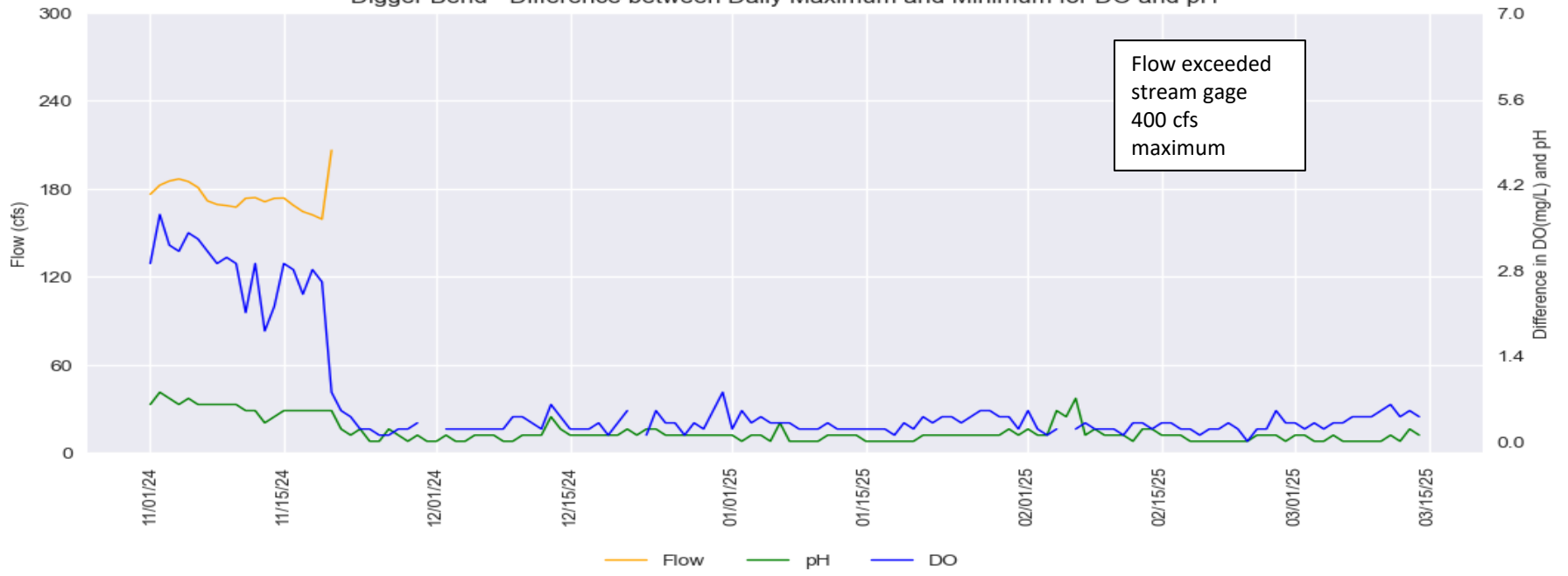
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

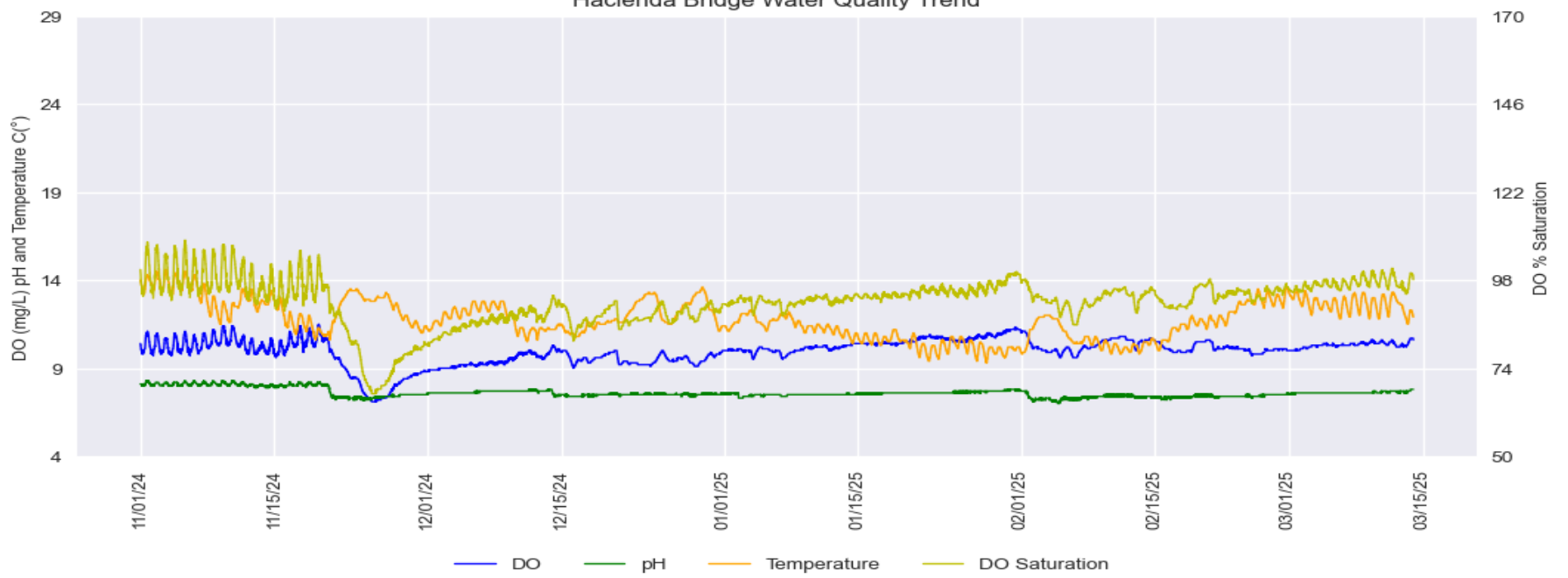


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

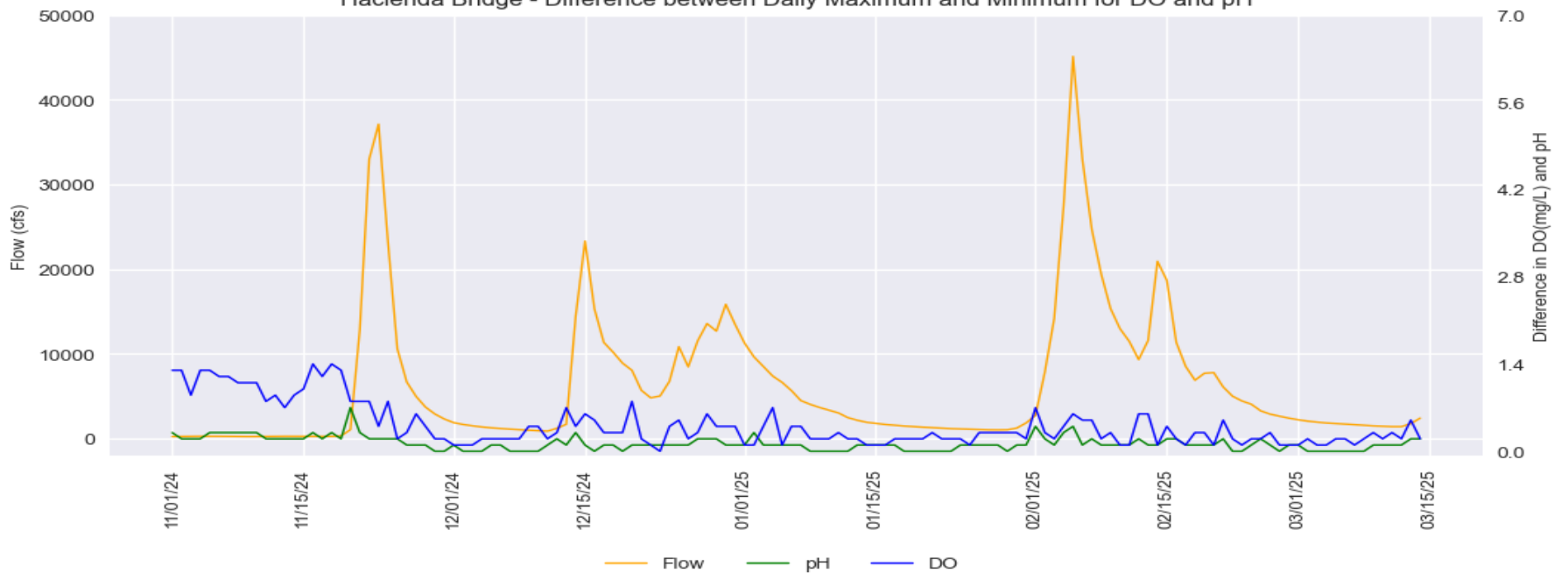


Hacienda Bridge

Hacienda Bridge Water Quality Trend



Hacienda Bridge - Difference between Daily Maximum and Minimum for DO and pH

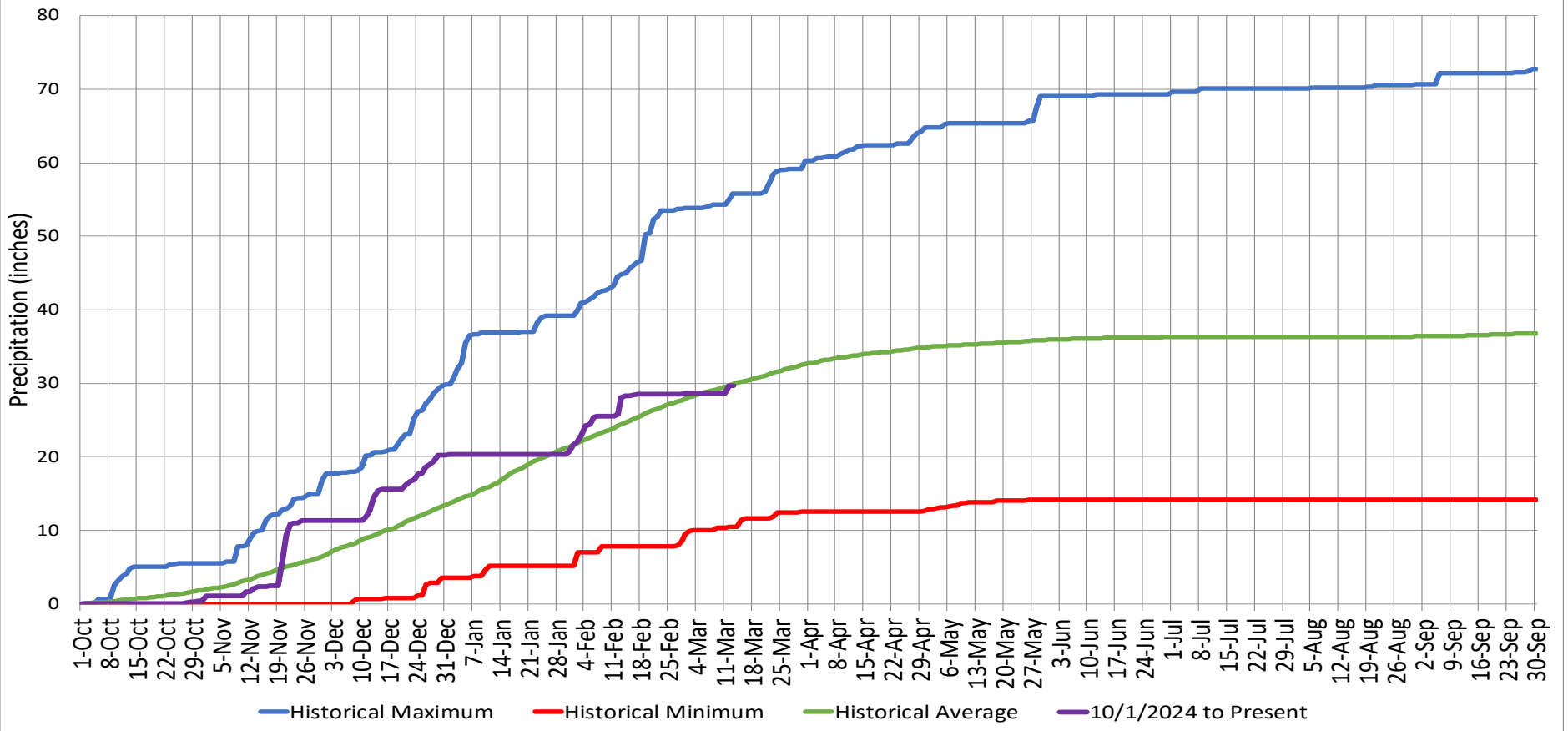


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

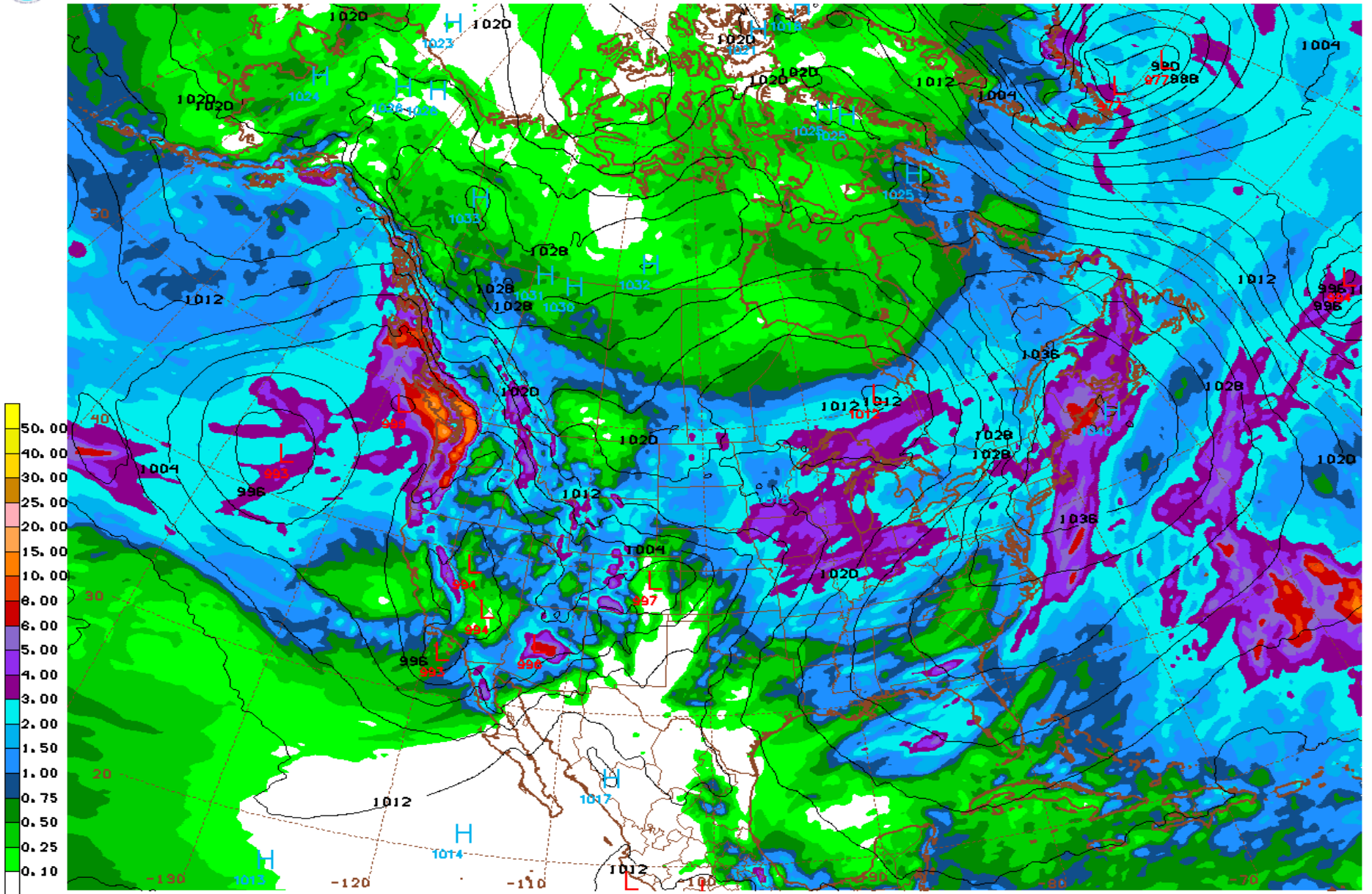
Date Range	Cumulative (inches)
Oct 1, 2024 - Mar 13, 2025	31.49
Last 7 Days*	1.04

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 03/17/25 12UTC 384HR FCST VALID WED 04/02/25 12UTC NOAA/NWS/NCEP



6FS WED 250402/1200V384 ENSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Mar 17 - Apr 2, 2025

Forecasted Cumulative (inches)
0.58

Russian River Fisheries Monitoring



Sonoma Water operates a video camera at the Mirabel Inflatable dam to count the number of adult salmonids returning to the Russian River. Due to an impending storm the dam was deflated on November 19, 2024, and the video equipment was removed for the season. Sonoma Water has completed reviewing the data collected during the 2024 season and the preliminary count is 1,512 adult Chinook. The 2024 count is less than the long-term average of 2,610 Chinook, but the camera was removed earlier in the year than typical, and it is likely that many adult Chinook have returned since removing the camera.