



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

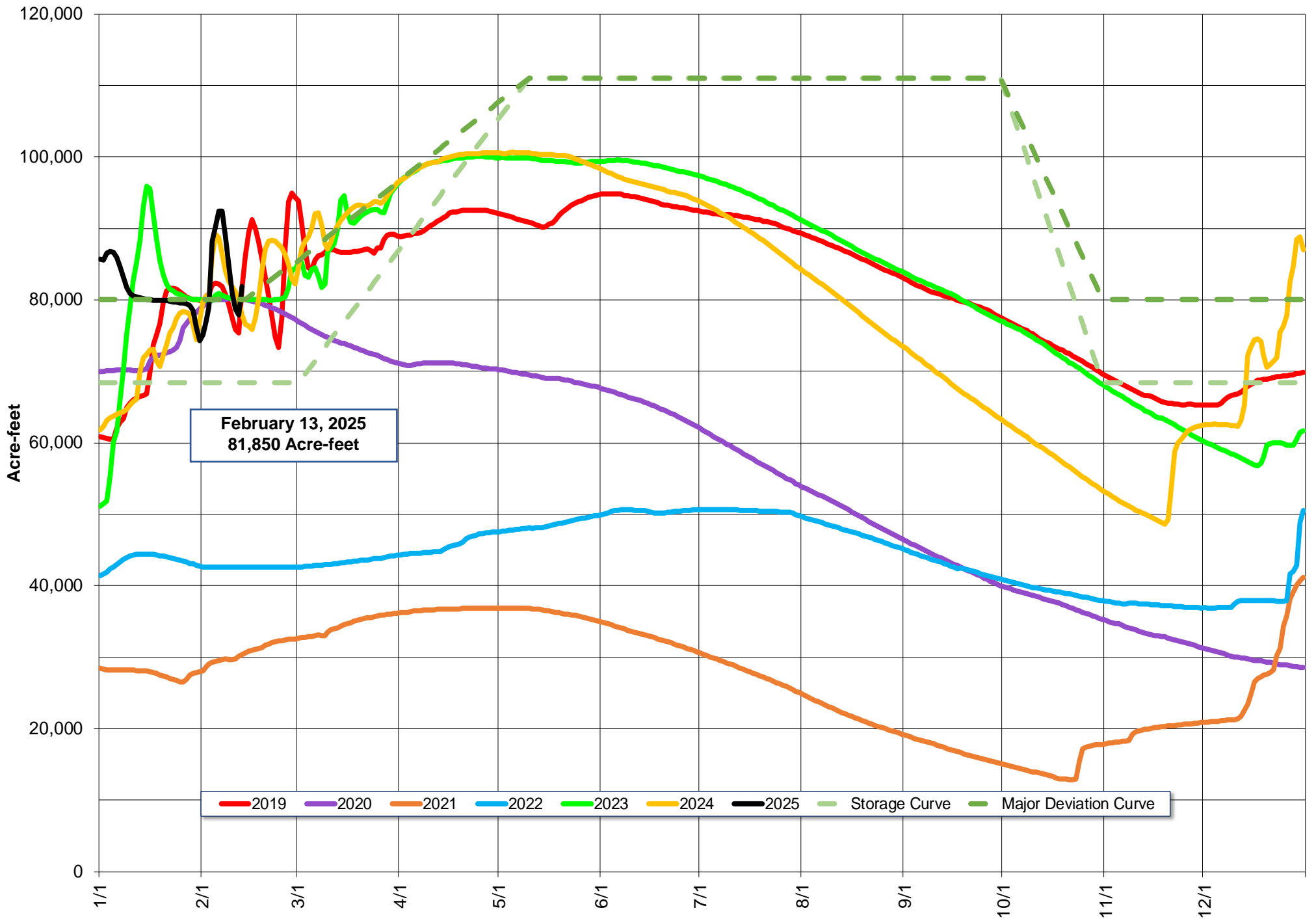
Instream Flow Requirements as of February 13, 2025

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



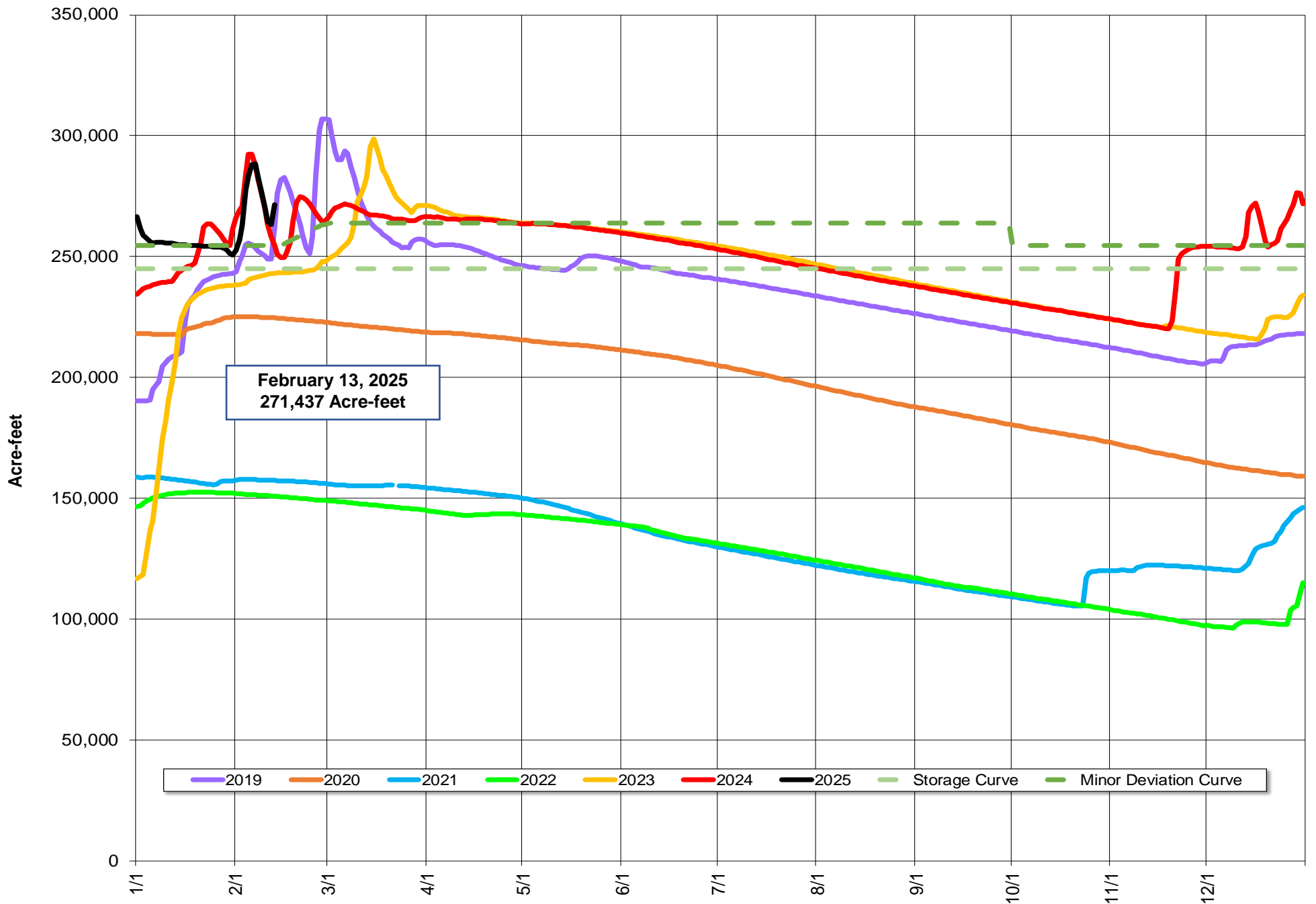
Storage (acre-feet)	February 13, 2025	81,850	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		1,693	56
	Last 7 days	-10,558	-1,508
Daily Inflow (cfs)	Last 7 days	Min	206
		Max	2,202
		Mean	716
Release (cfs)	Last 7 days	Min	202
		Max	2,489
		Mean	1,471

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025



Storage (acre-feet)	February 13, 2025	271,437	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	16,392	546
Daily Inflow (cfs)	Last 7 days	Min	368
		Max	4,376
		Mean	1,426
Release (cfs)	Last 7 days	Min	198
		Max	4,041
		Mean	2,615

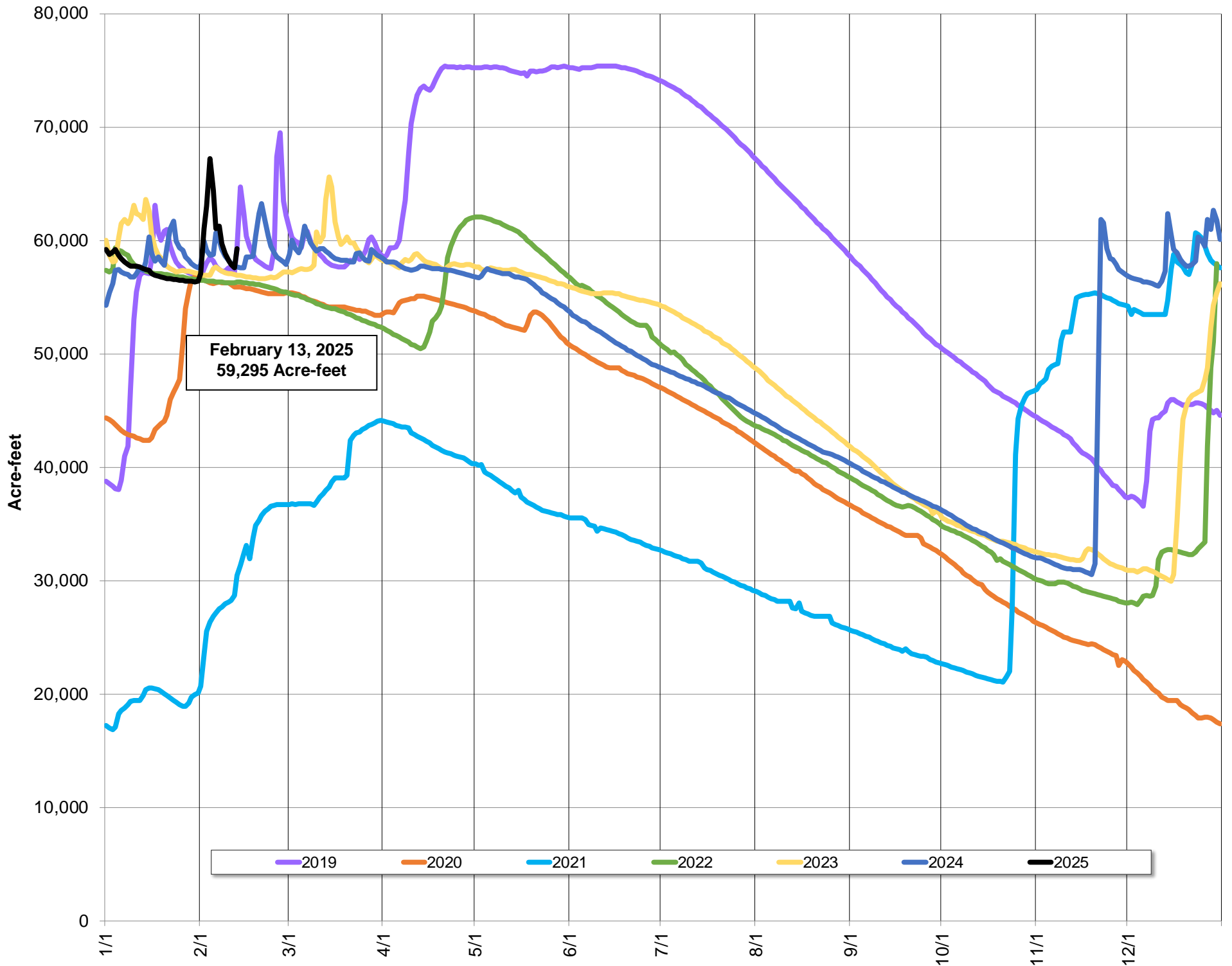
Potter Valley Project

PVP Diversion (cfs)	February 13, 2025	45
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2024 - February 13, 2025	383,974	2,823
	Last 7 days	28,036	4,005

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2019 - 2025 and Target Storage Scenarios

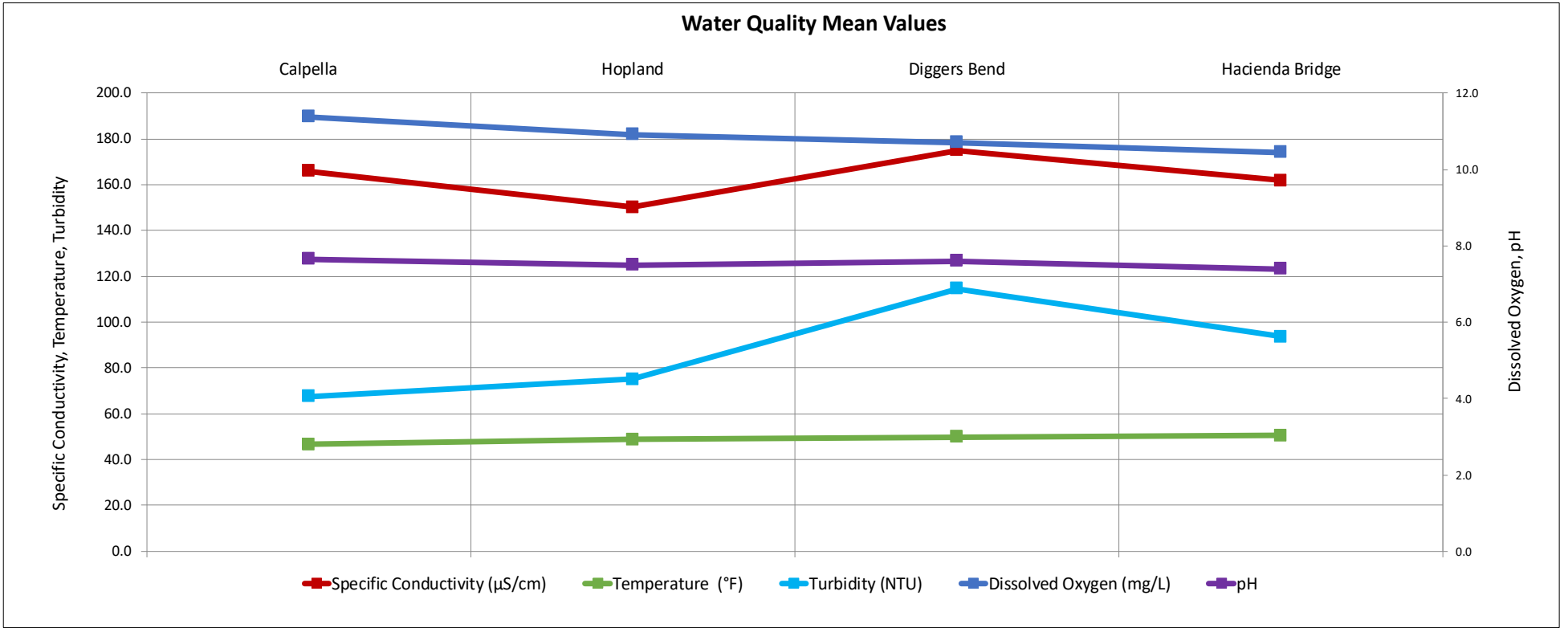


Russian River Flows (February 7, 2025 - February 13, 2025)

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	43.9	47.1		48.4	48.4		49.6	
	Max	49.8	50.4		51.1	51.4		51.4	
	Mean	46.6	48.8		49.5	49.8		50.5	
Specific Conductivity (µS/cm)	Min	90.0	77.0			123.0		125.0	
	Max	200.0	205.0			226.0		201.0	
	Mean	166.0	150.3			175.1		161.9	
Dissolved Oxygen (mg/L)	Min	10.8	9.8			10.4		9.8	
	Max	11.8	11.3			10.9		10.8	
	Mean	11.4	10.9			10.7		10.5	
Dissolved Oxygen (% Saturation)	Min	91.2	86.4			91.9		87.6	
	Max	99.0	98.9			96.8		96.1	
	Mean	96.4	95.2			94.6		93.2	
pH	Min	7.4	7.2			7.5		7.2	
	Max	7.8	7.6			7.7		7.5	
	Mean	7.7	7.5			7.6		7.4	
Turbidity (NTU)	Min	35.5	33.2			51.2		45.5	
	Max	356.0	316.0			354.0		268.0	
	Mean	67.6	75.1			114.6		93.6	

*Station operated seasonally

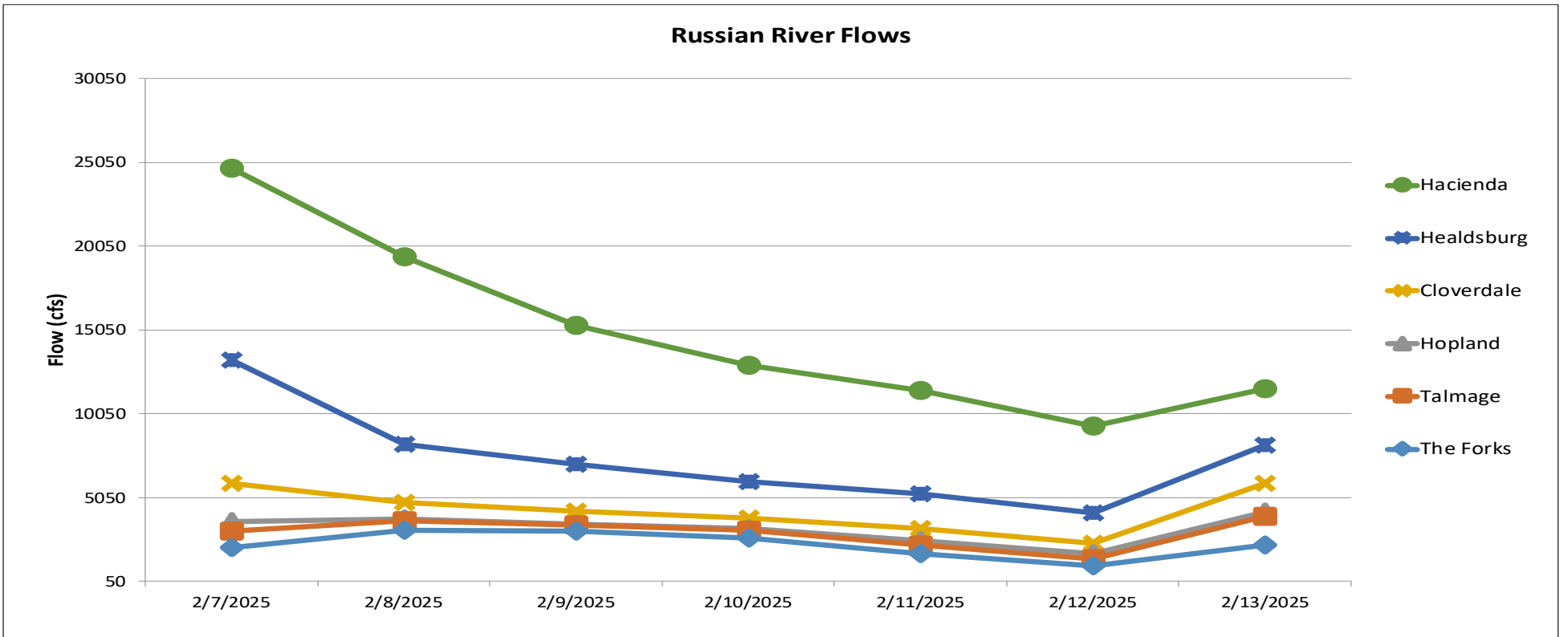
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Feb 7, 2025	Feb 8, 2025	Feb 9, 2025	Feb 10, 2025	Feb 11, 2025	Feb 12, 2025	Feb 13, 2025
The Forks*	2075	3117	3035	2649	1690	958	2208
Talmage USGS 11462080	3067	3683	3404	3120	2208	1378	3936
Hopland USGS 11462500	3600	3782	3455	3192	2454	1673	4182
Cloverdale USGS 11463000	5890	4750	4221	3827	3194	2307	5893
Healdsburg USGS 11464000	13275	8229	7029	6011	5252	4143	8200
Hacienda USGS 11467000	24700	19434	15338	12965	11447	9307	11560

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

Russian River Flows

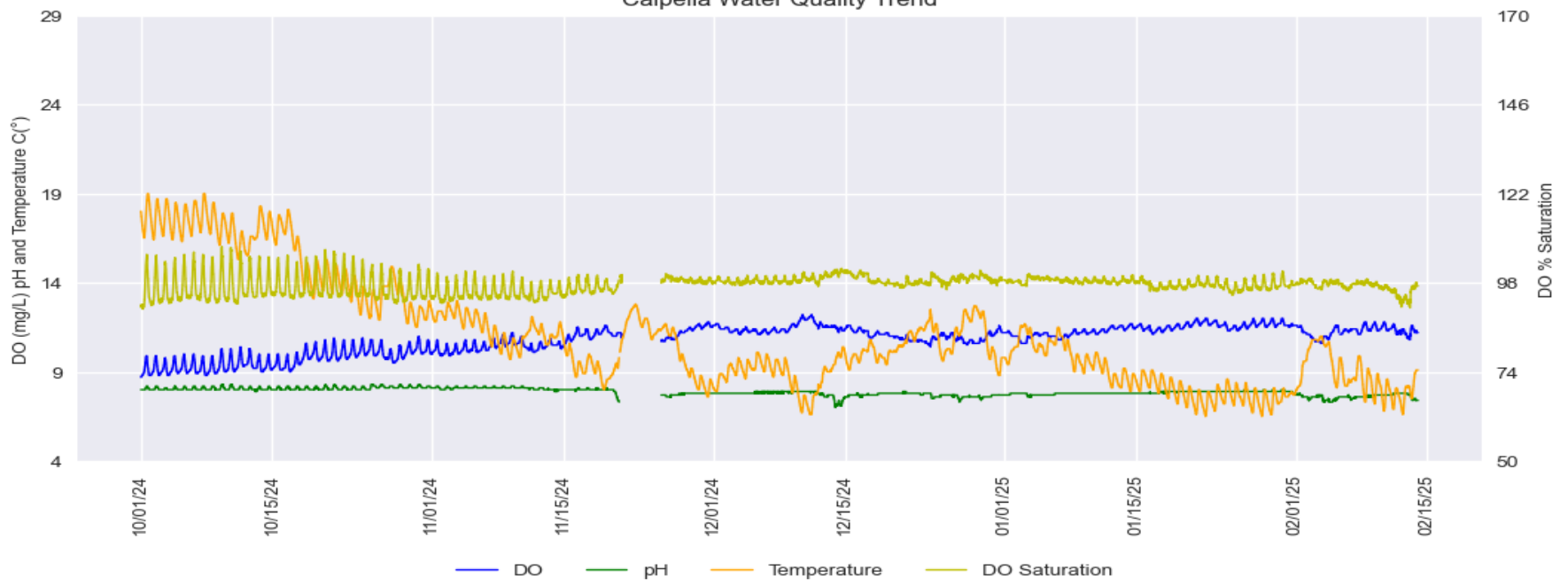


Russian River Water Quality October 1, 2024 – February 13, 2025

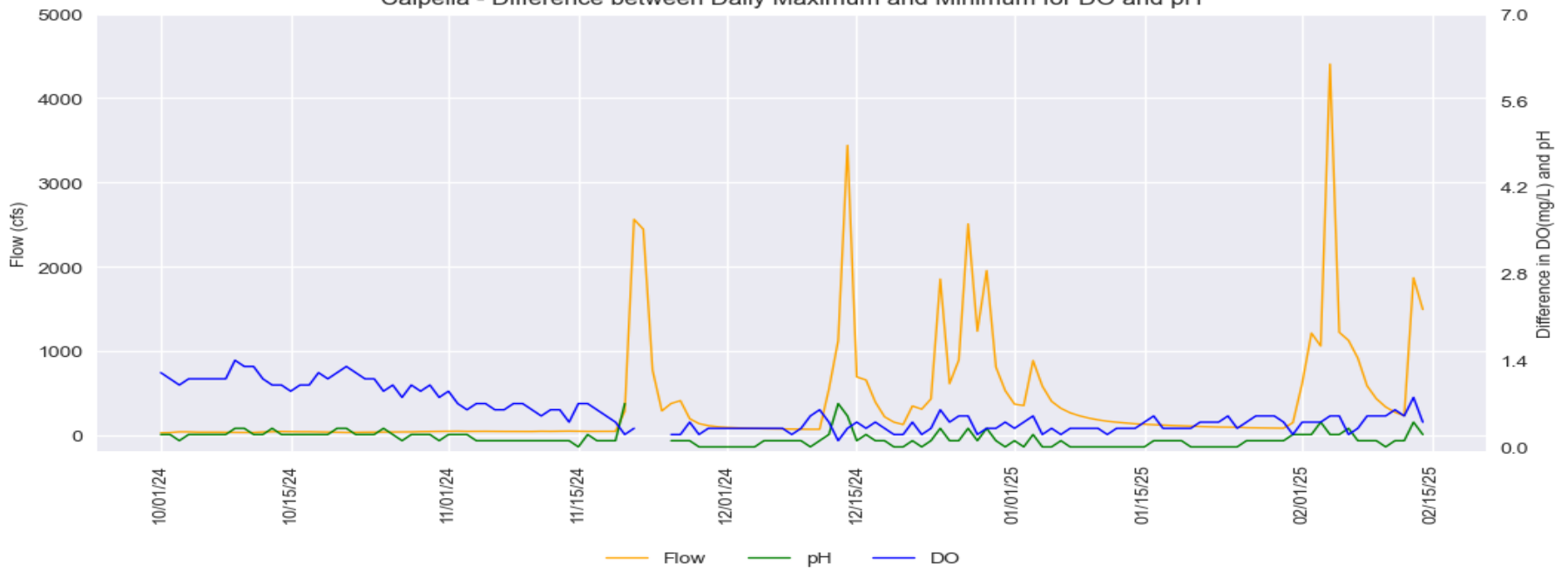
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

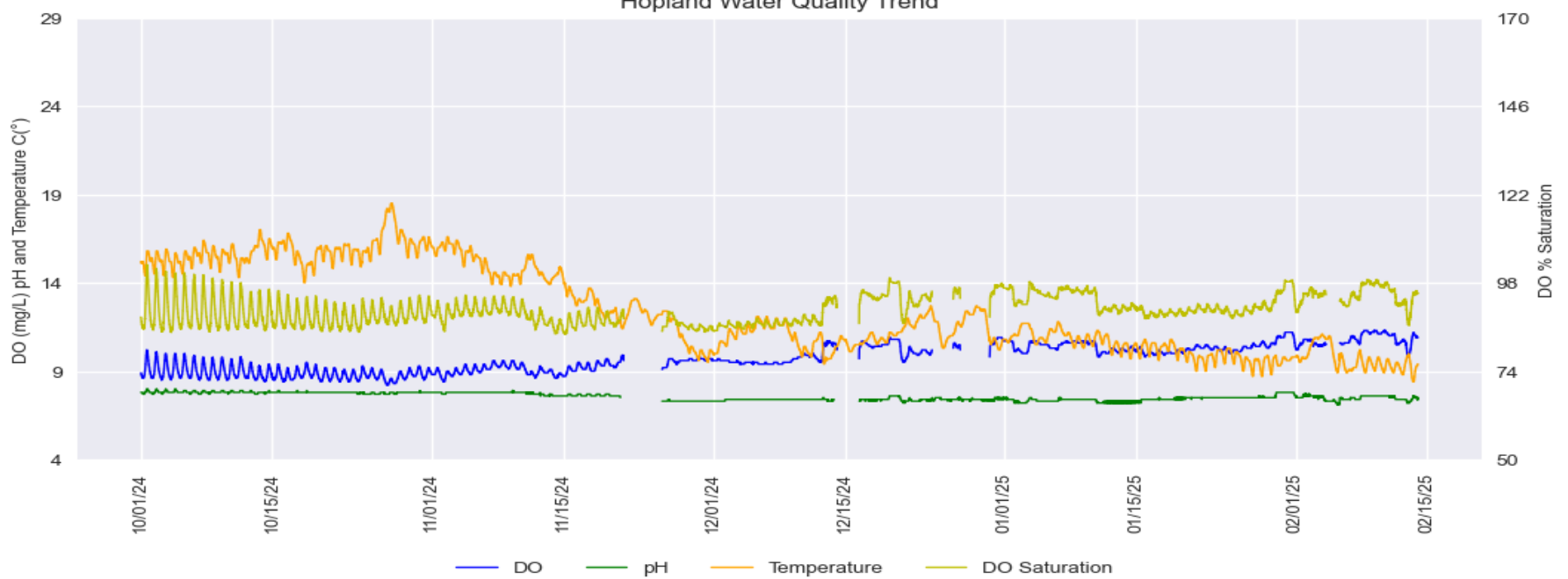


Calpella - Difference between Daily Maximum and Minimum for DO and pH

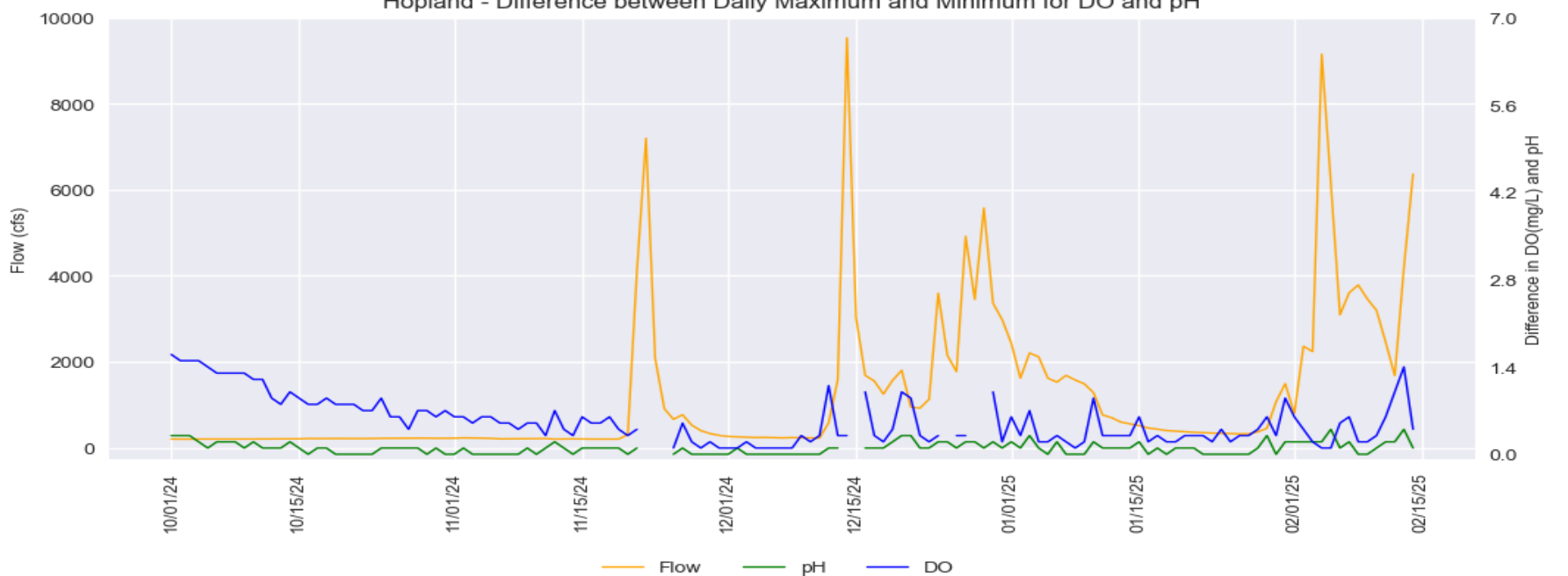


Hopland

Hopland Water Quality Trend



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

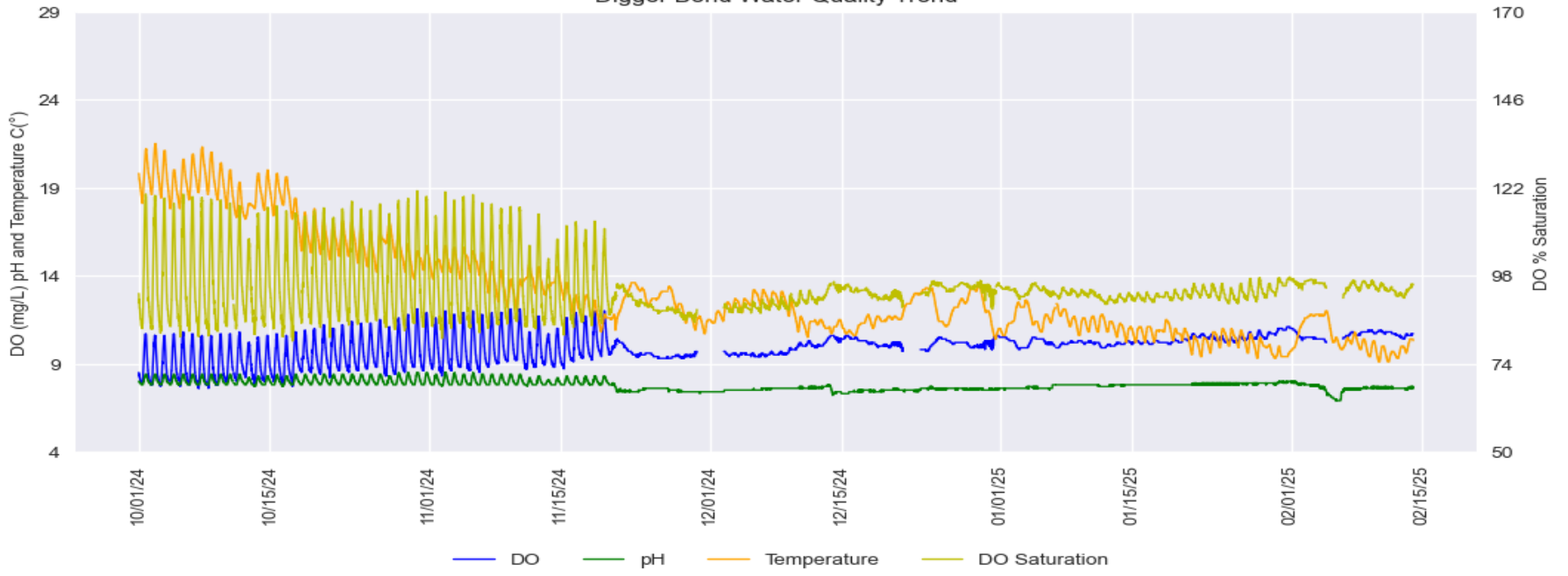


Russian River Water Quality October 1, 2024 – February 13, 2025

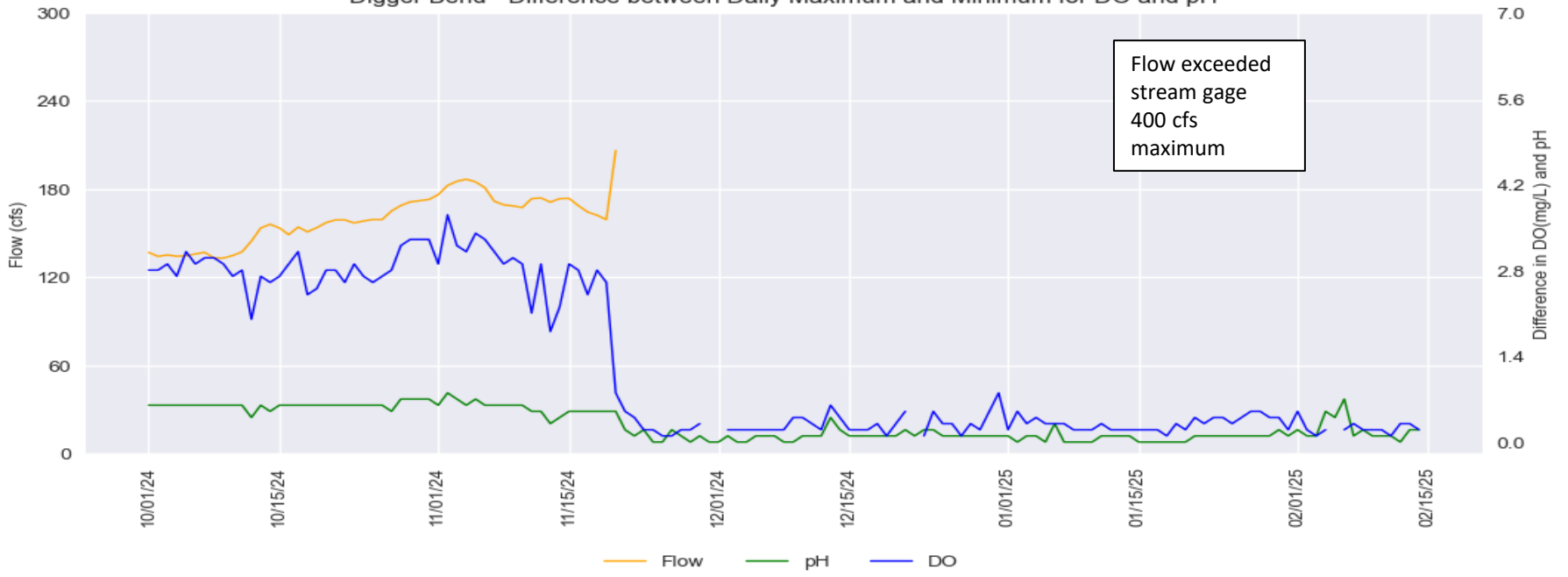
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

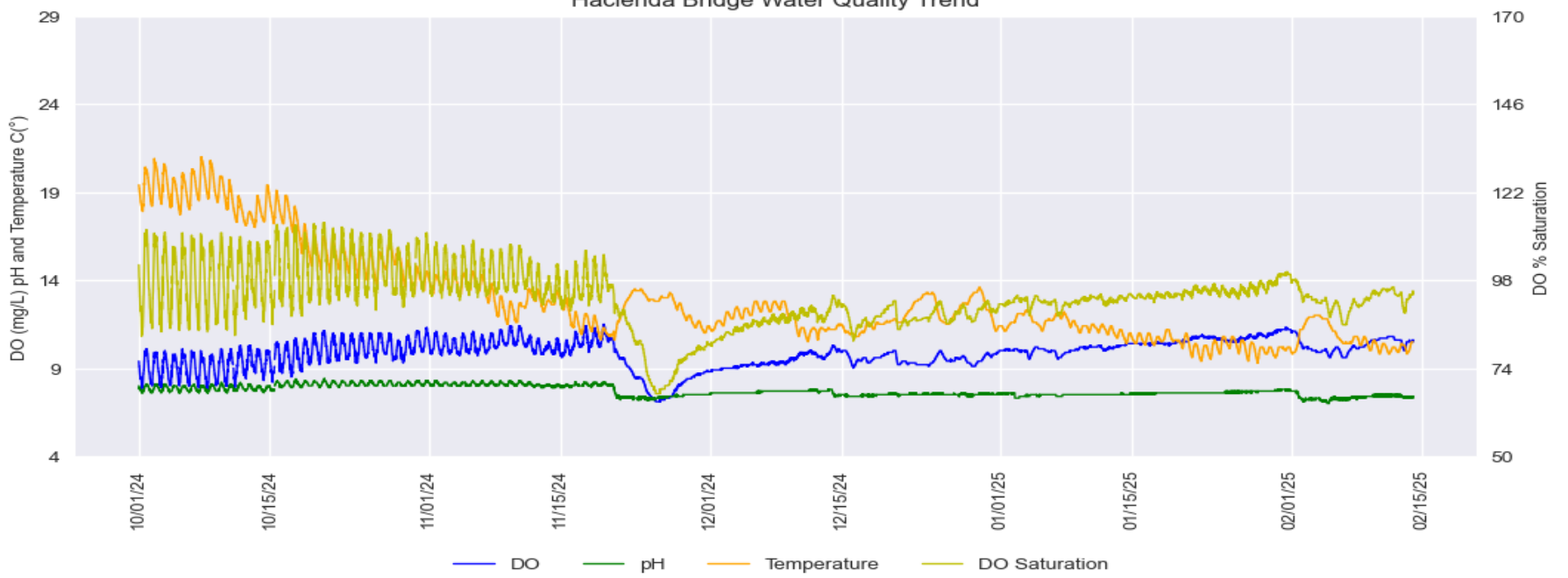


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

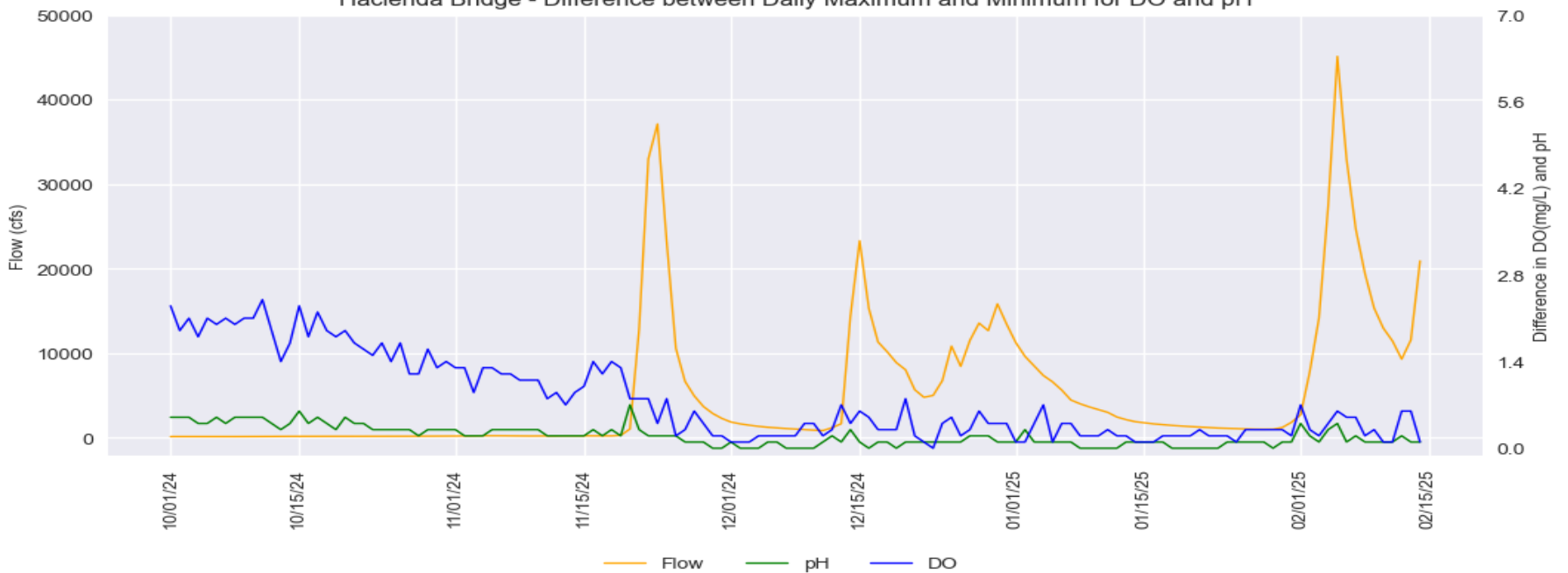


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

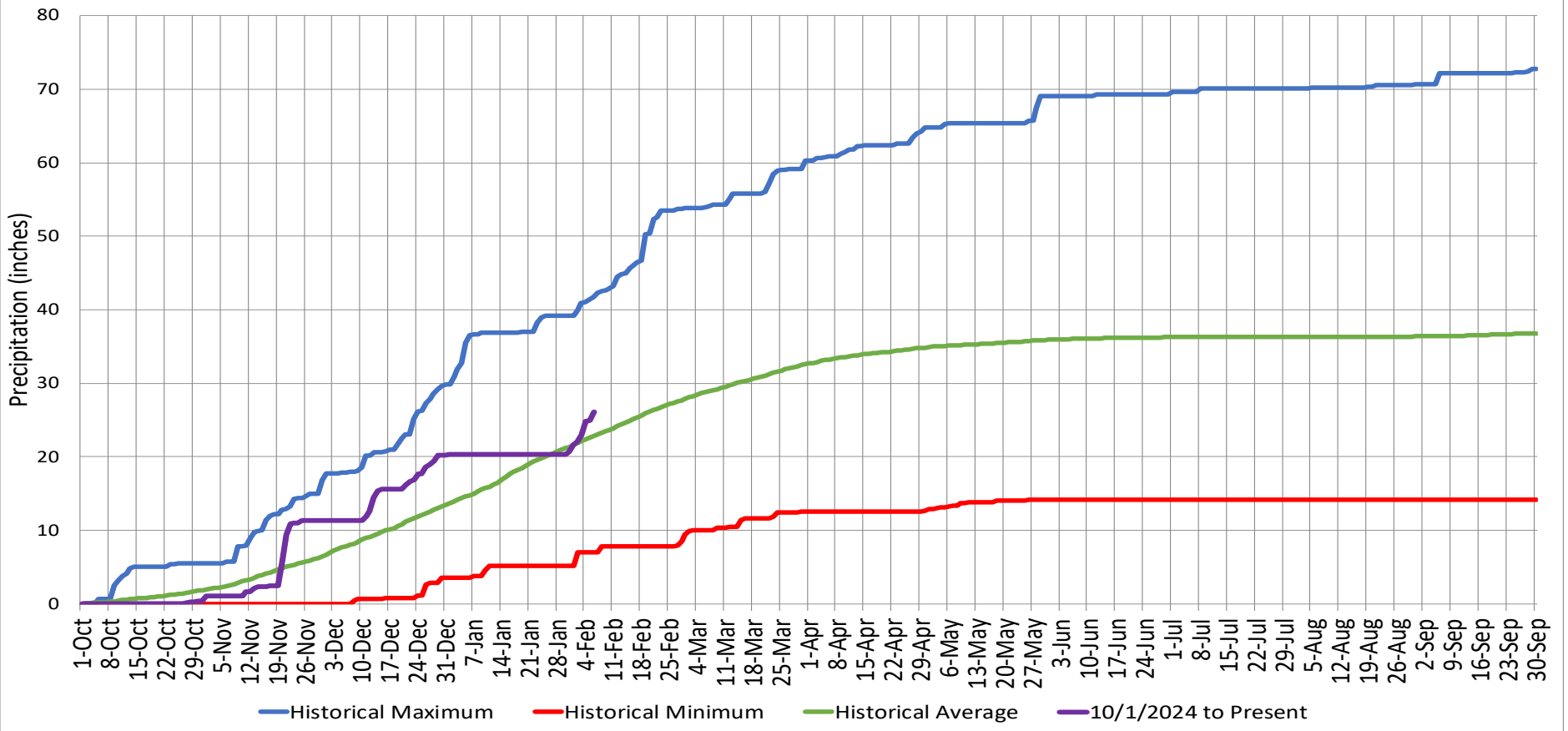


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

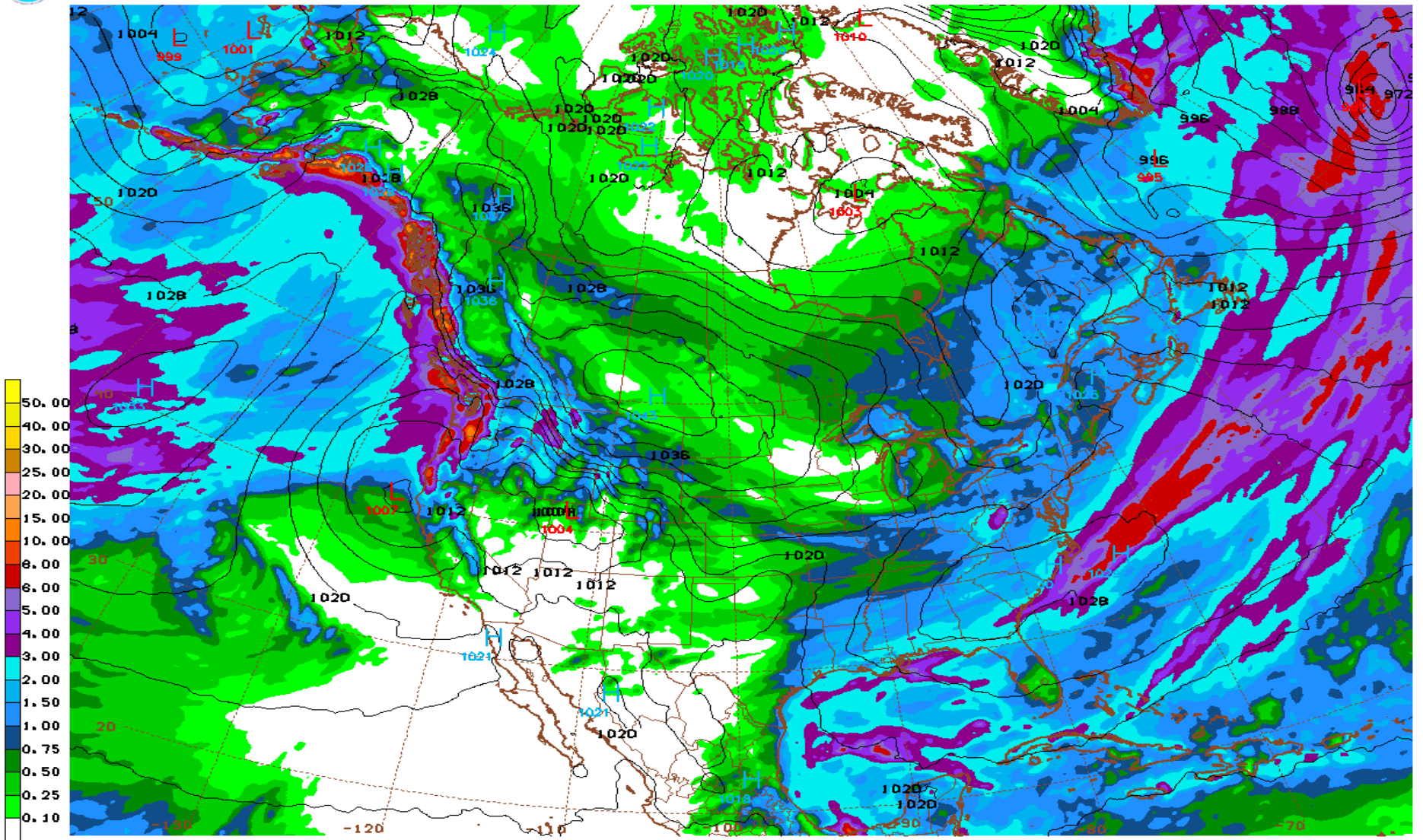
Date Range	Cumulative (inches)
Oct 1, 2024 - Feb 13, 2025	28.64
Last 7 Days*	2.57

Cumulative Precipitation Comparison of Current Year versus Historic Record



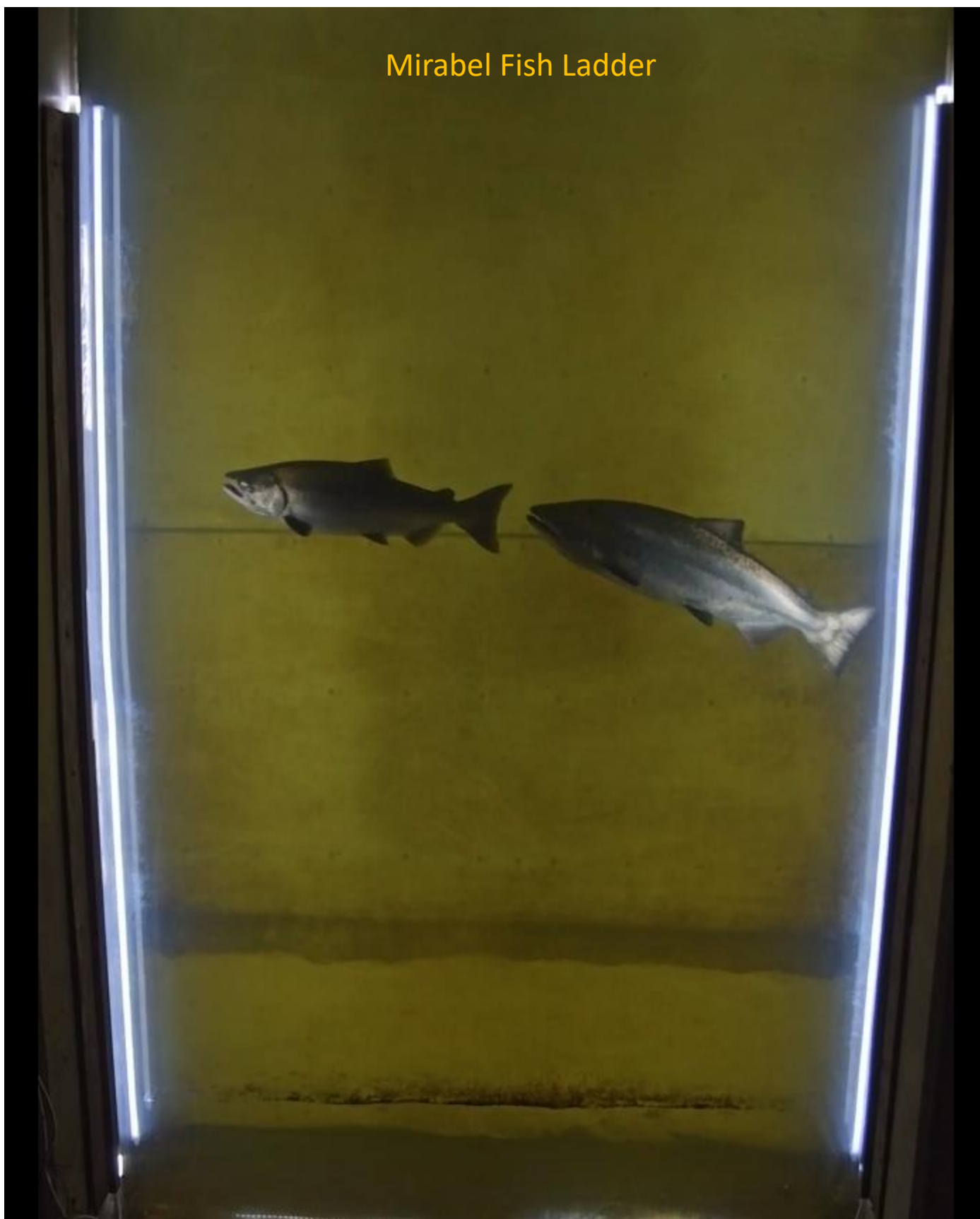
Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 02/18/25 12UTC 384HR FCST VALID THU 03/06/25 12UTC NOAA/NWS/NCEP



6FS THU 250306/1200V384 ENSL (4MB). 384HR ACCUMULATED PRECIP (IN)
 Date Range: Feb 18 - Mar 6, 2025
 Forecasted Cumulative (inches): **0.62**

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.