



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 January 31, 2025 - February 6, 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).

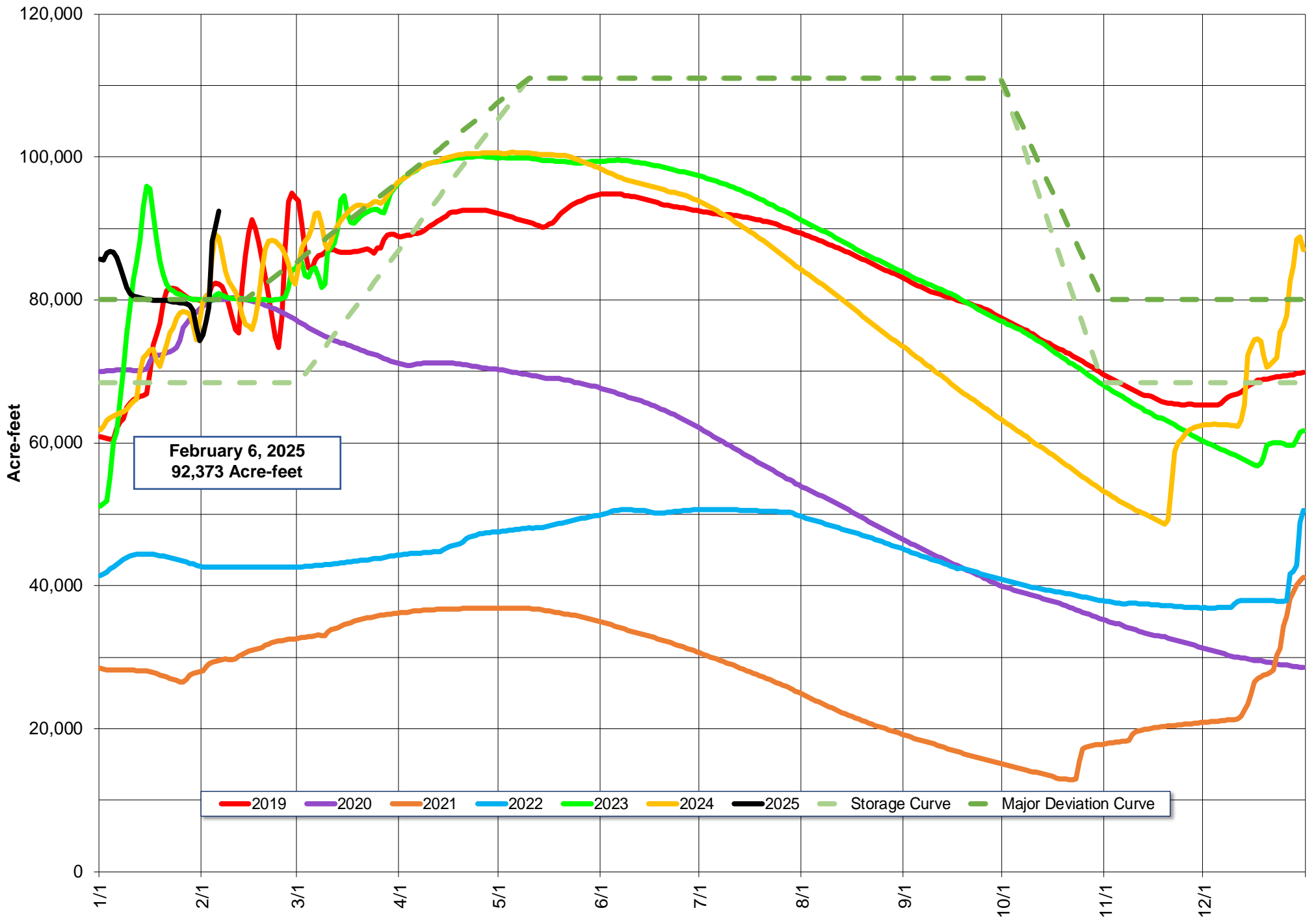
Instream Flow Requirements as of February 6, 2025

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



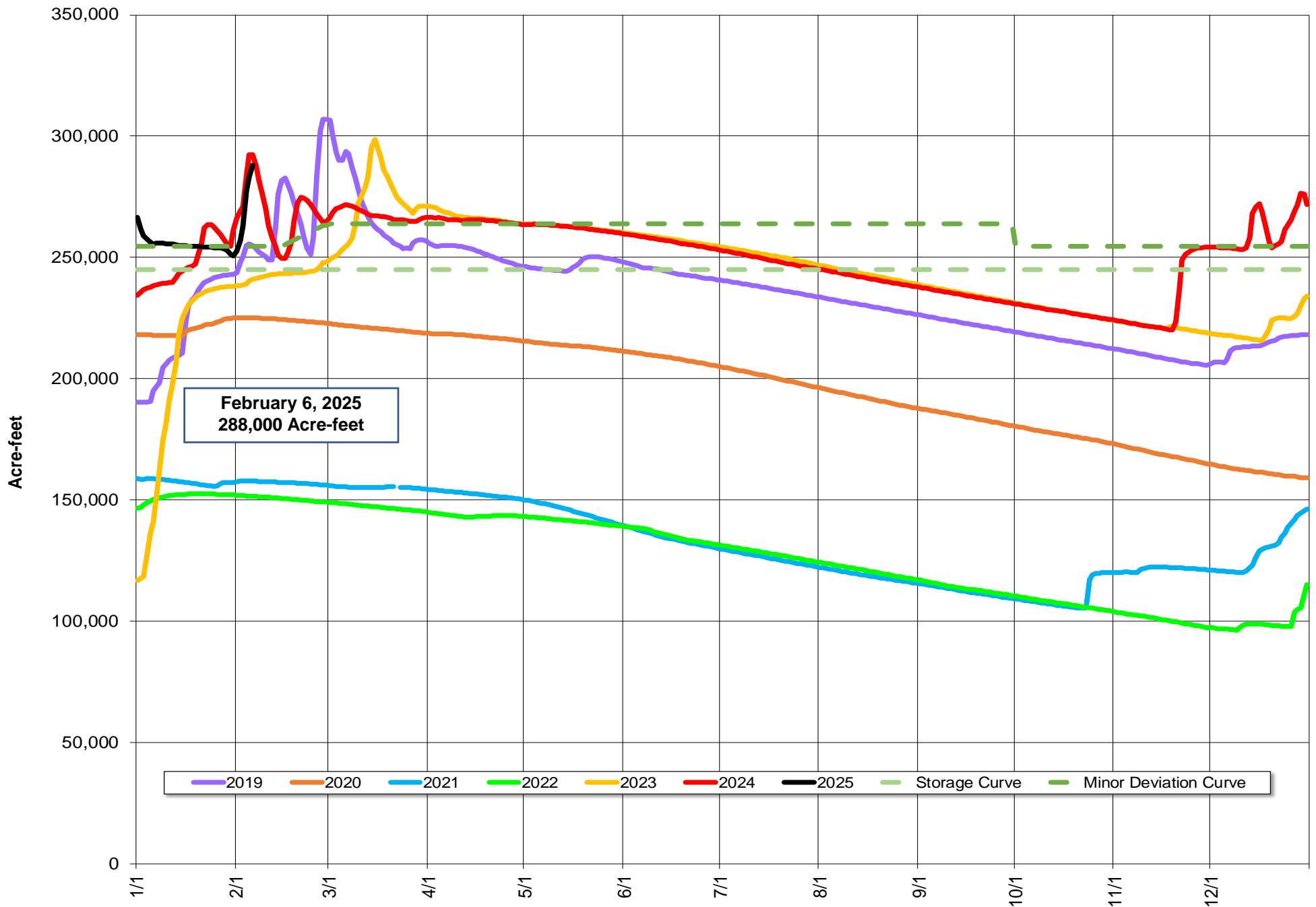
Storage (acre-feet)	February 6, 2025	92,373	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		7,816	261
	Last 7 days	18,072	2,582
Daily Inflow (cfs)	Last 7 days	Min	163
		Max	4,857
		Mean	1,492
Release (cfs)	Last 7 days	Min	188
		Max	1,064
		Mean	319

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025

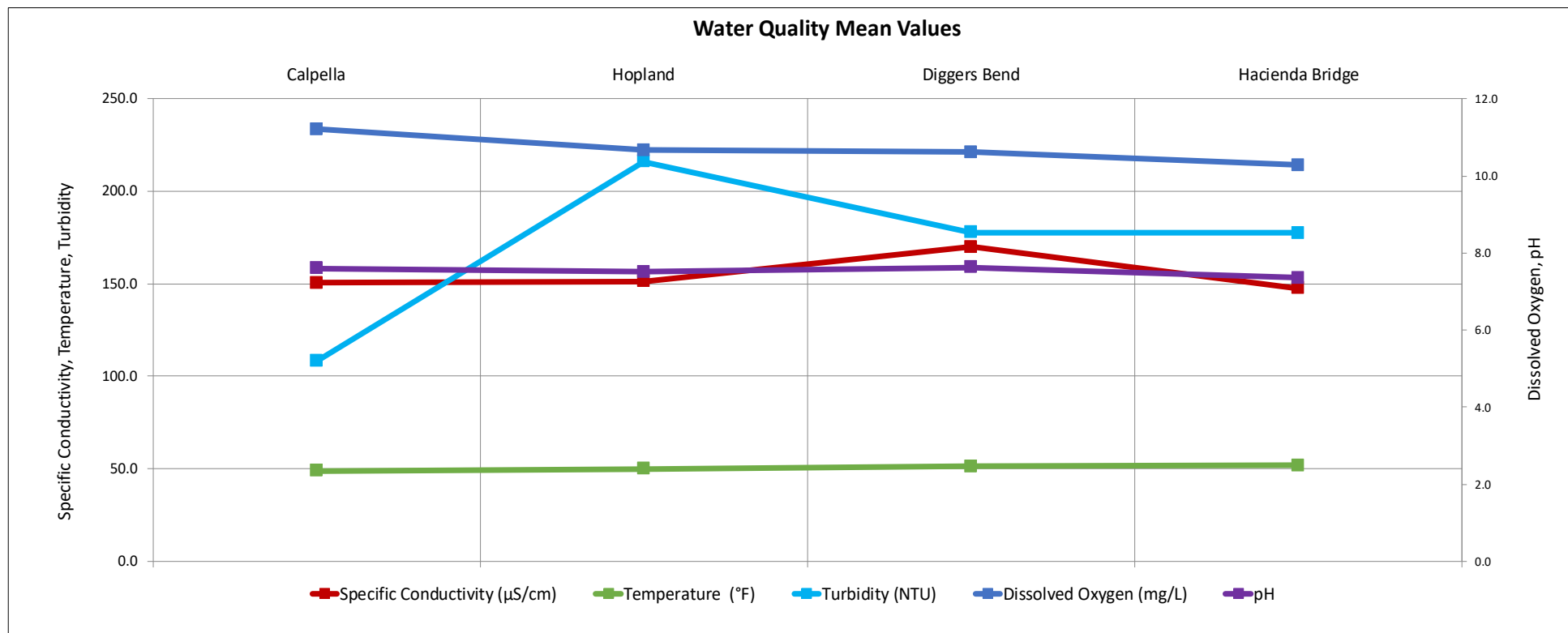


Storage (acre-feet)	February 6, 2025	288,000	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		32,114	1,070
	Last 7 days	37,536	5,362
Daily Inflow (cfs)	Last 7 days	Min	192
		Max	7,569
		Mean	2,896
Release (cfs)	Last 7 days	Min	180
		Max	638
		Mean	254

Russian River Flows (January 31, 2025 - February 6, 2025)

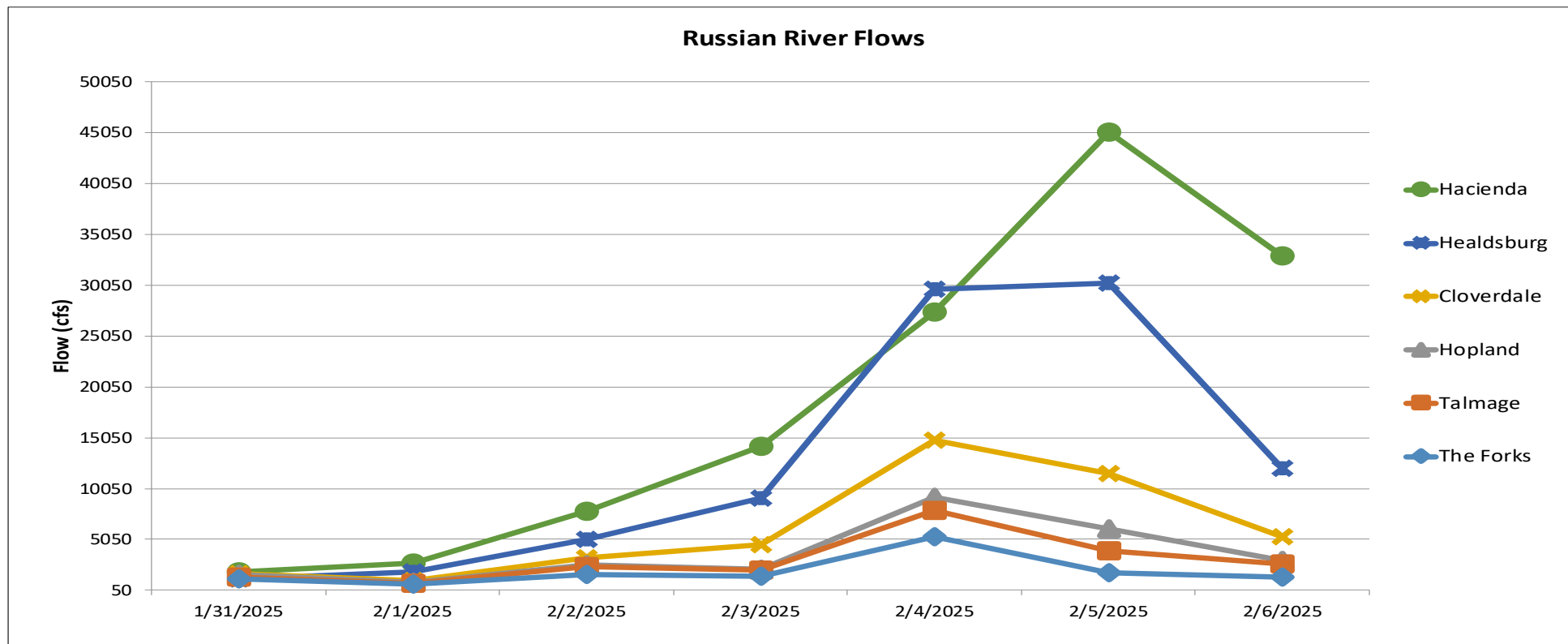
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	45.7	48.0		48.6	48.9		49.6	
	Max	51.8	52.0		53.1	53.6		53.6	
	Mean	48.8	50.0		51.1	51.4		51.9	
Specific Conductivity (µS/cm)	Min	59.0	88.0			80.0		96.0	
	Max	230.0	201.0			284.0		235.0	
	Mean	150.5	151.5			170.0		147.5	
Dissolved Oxygen (mg/L)	Min	10.6	10.2			10.2		9.6	
	Max	11.7	11.2			11.1		11.3	
	Mean	11.2	10.7			10.6		10.3	
Dissolved Oxygen (% Saturation)	Min	95.7	89.9			91.9		85.8	
	Max	99.2	98.7			97.6		100.3	
	Mean	97.6	94.4			95.9		93.2	
pH	Min	7.3	7.1			6.9		7.0	
	Max	7.9	7.8			8.0		7.8	
	Mean	7.6	7.5			7.6		7.4	
Turbidity (NTU)	Min	5.5	30.5			16.3		16.6	
	Max	586.0	3080.0			1390.0		577.0	
	Mean	108.1	216.1			177.9		177.5	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jan 31, 2025	Feb 1, 2025	Feb 2, 2025	Feb 3, 2025	Feb 4, 2025	Feb 5, 2025	Feb 6, 2025
The Forks*	1144	620	1593	1427	5275	1744	1292
Talmage USGS 11462080	1336	768	2391	2048	7898	3956	2588
Hopland USGS 11462500	1596	817	2530	2111	9154	6106	2974
Cloverdale USGS 11463000	1693	948	3193	4548	14768	11539	5282
Healdsburg USGS 11464000	1166	1876	5050	9106	29610	30220	12058
Hacienda USGS 11467000	1827	2719	7831	14167	27436	45092	32953

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

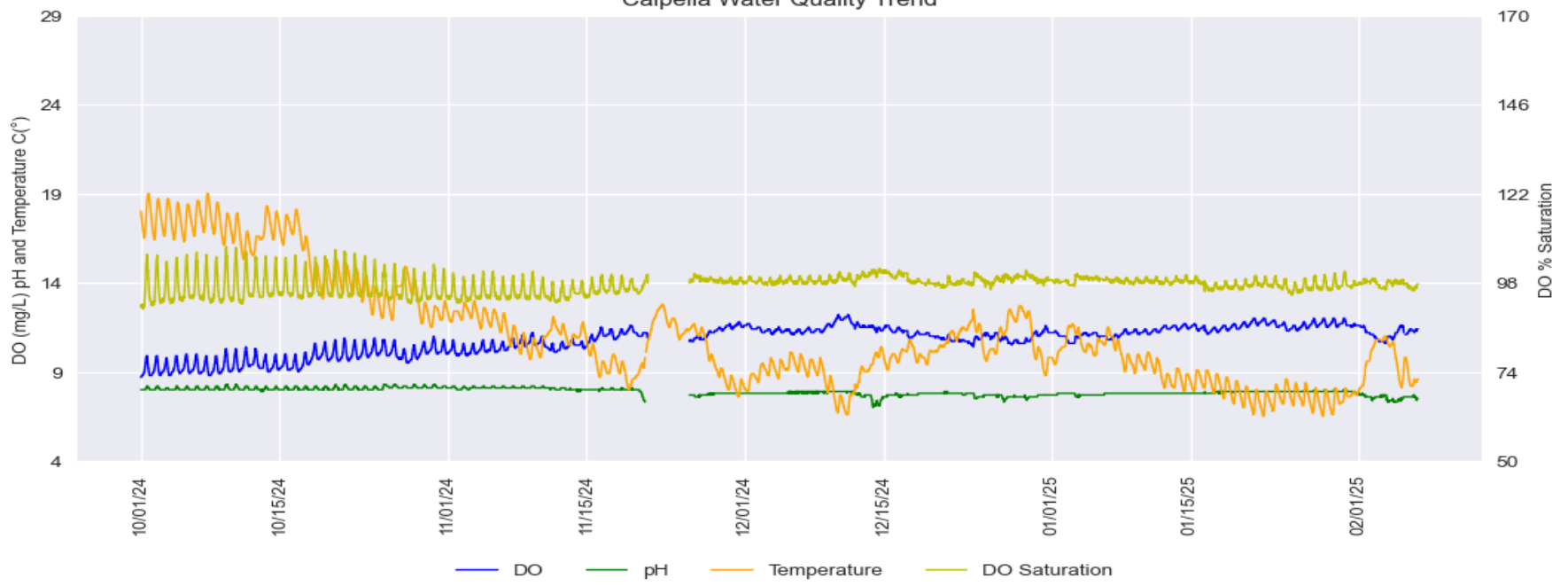


Russian River Water Quality October 1, 2024 – February 6, 2025

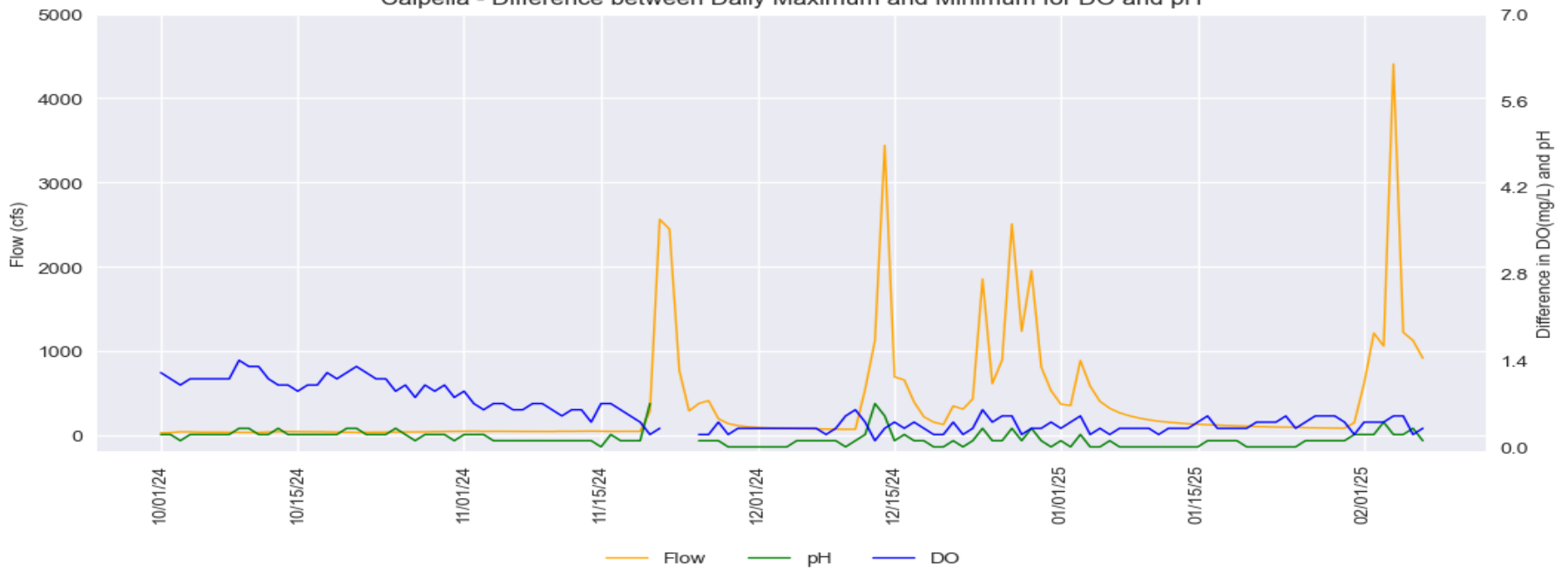
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

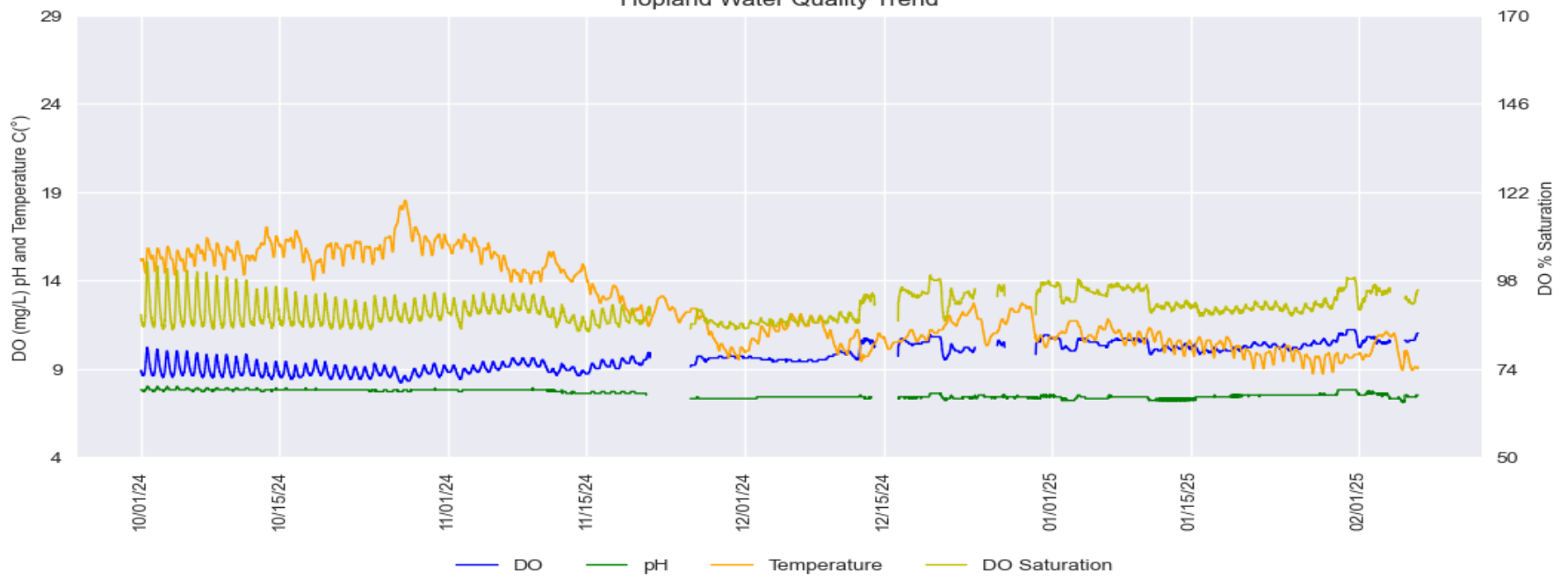


Calpella - Difference between Daily Maximum and Minimum for DO and pH

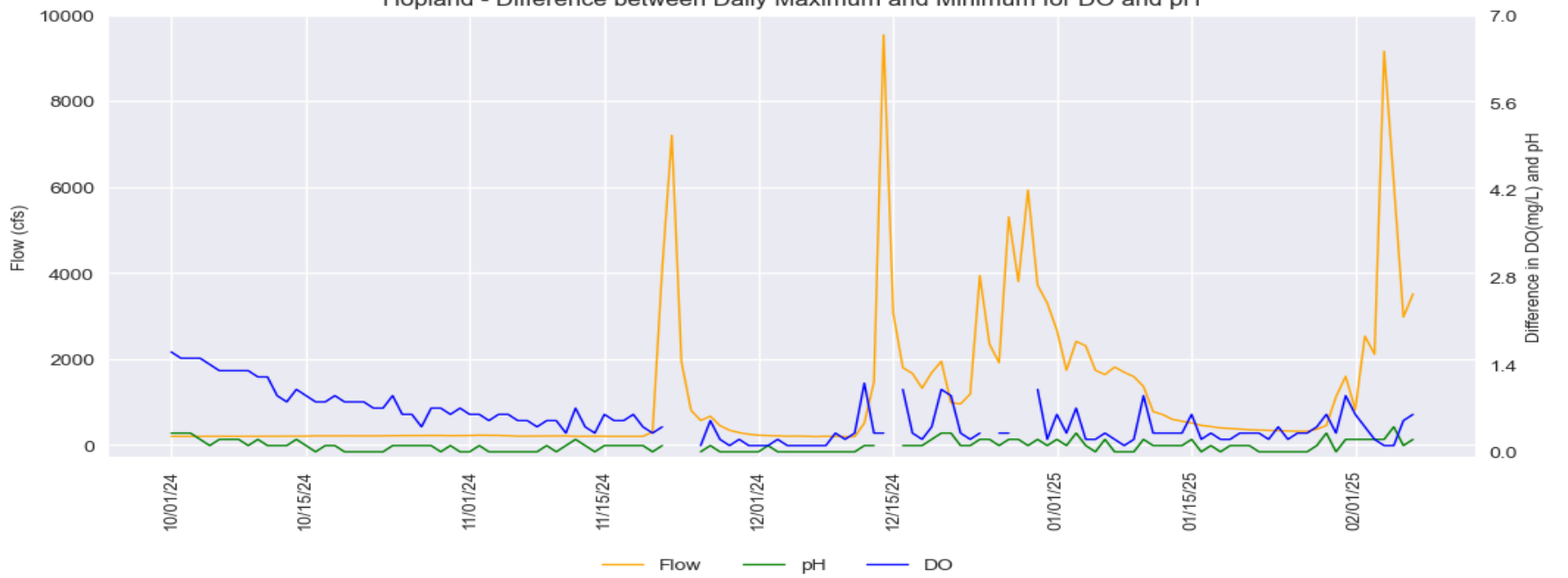


Hopland

Hopland Water Quality Trend



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

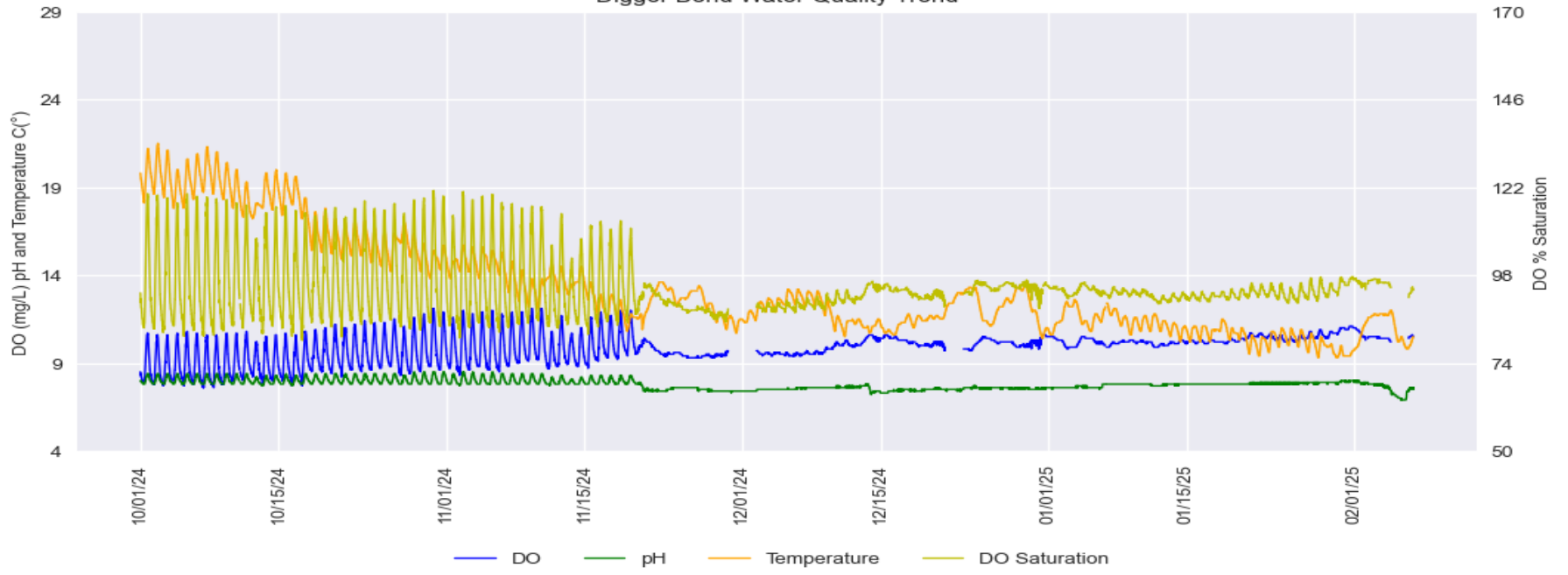


Russian River Water Quality October 1, 2024 – February 6, 2025

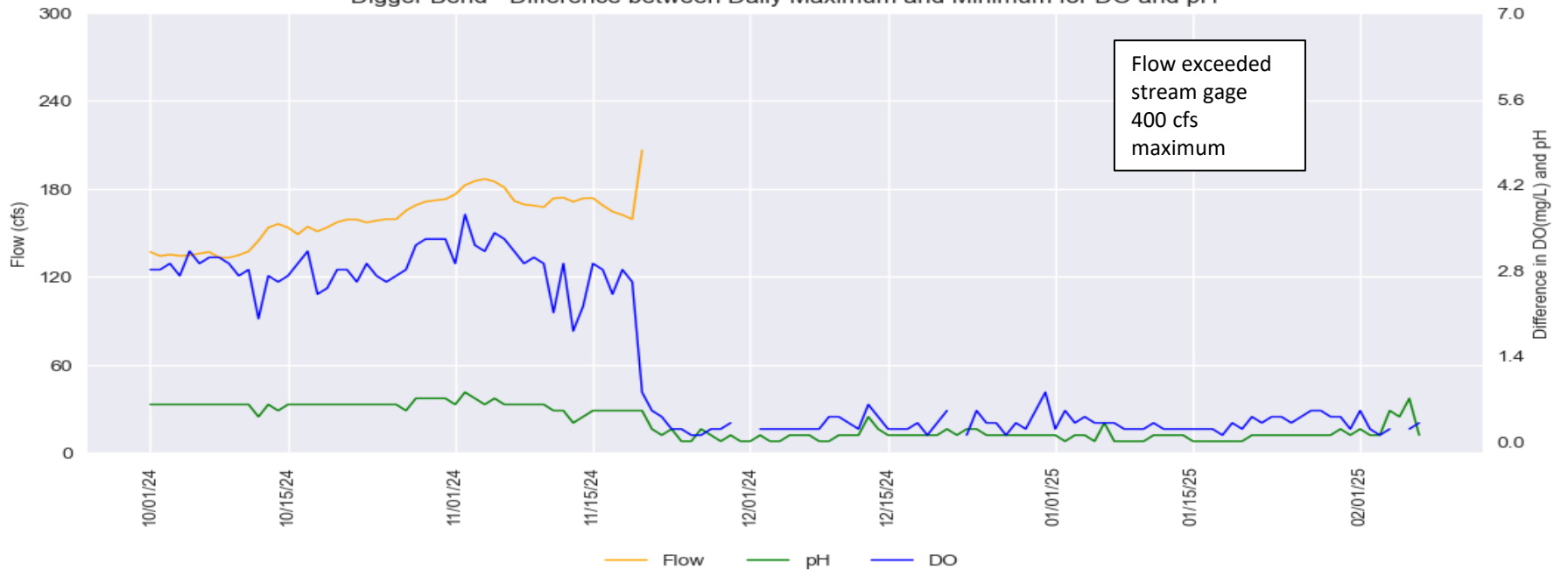
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

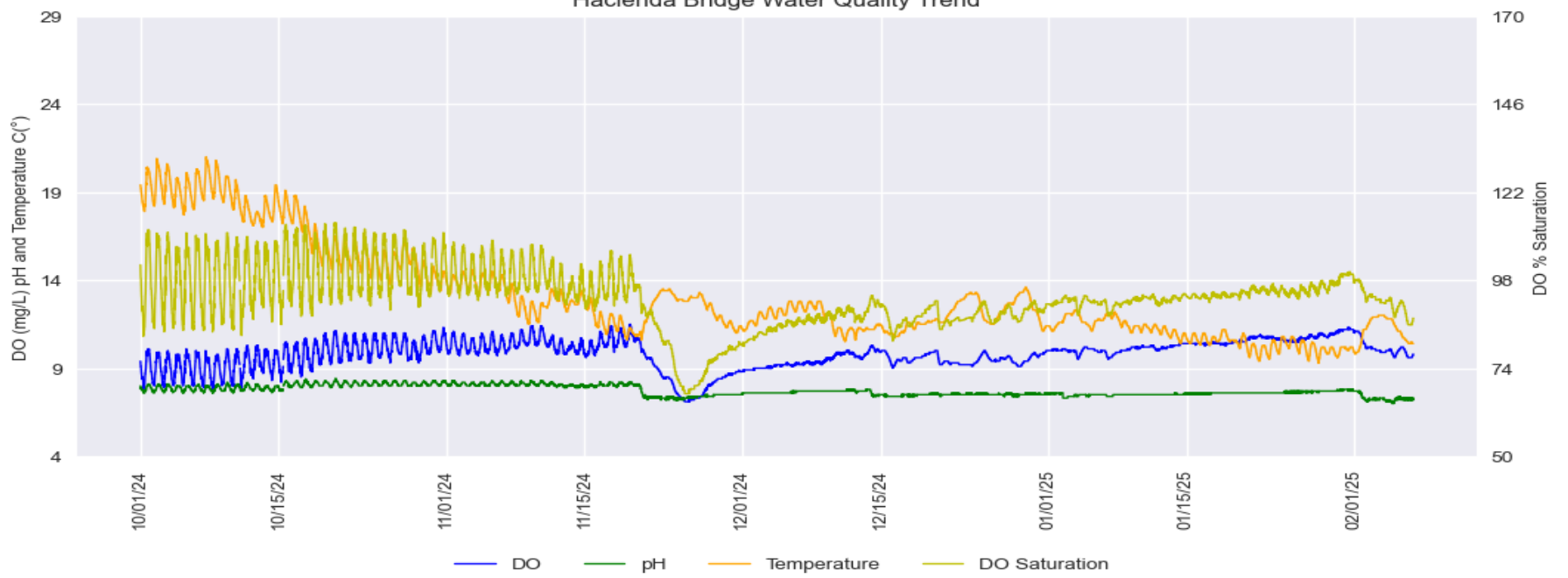


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

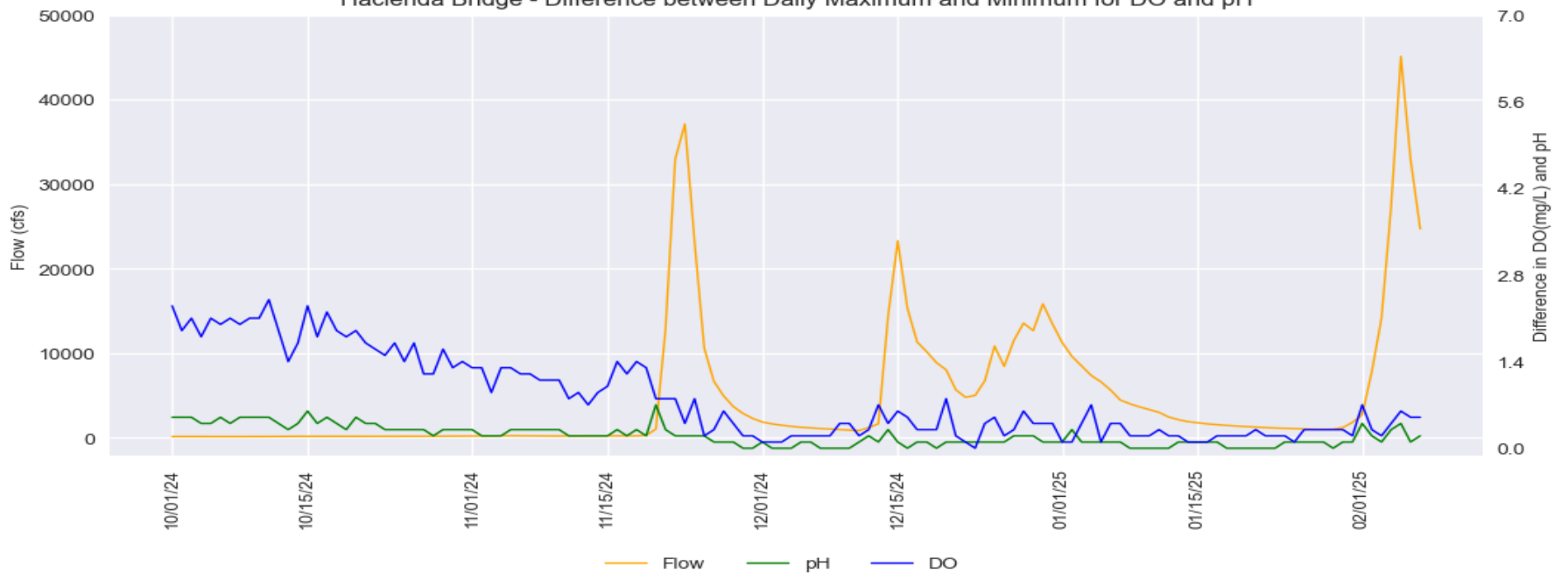


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

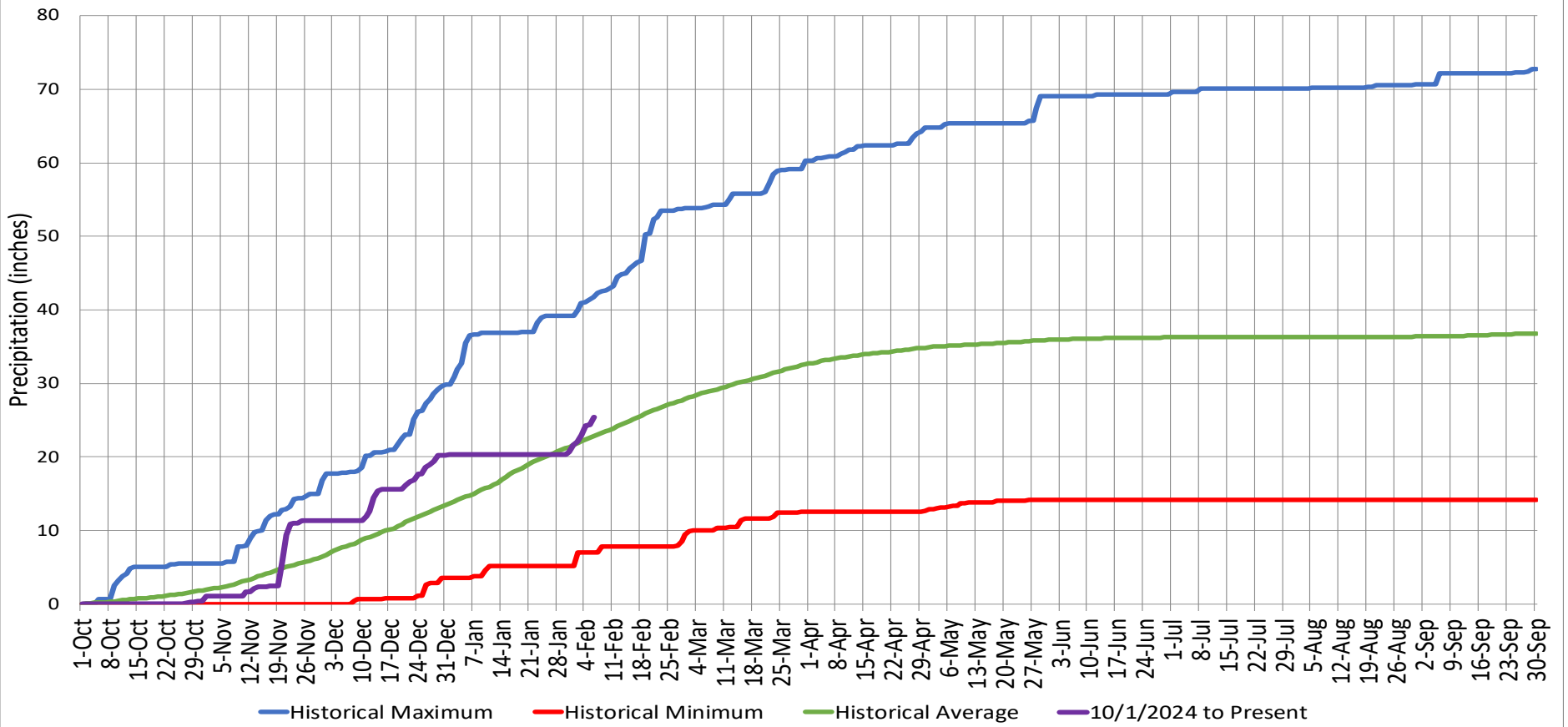


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

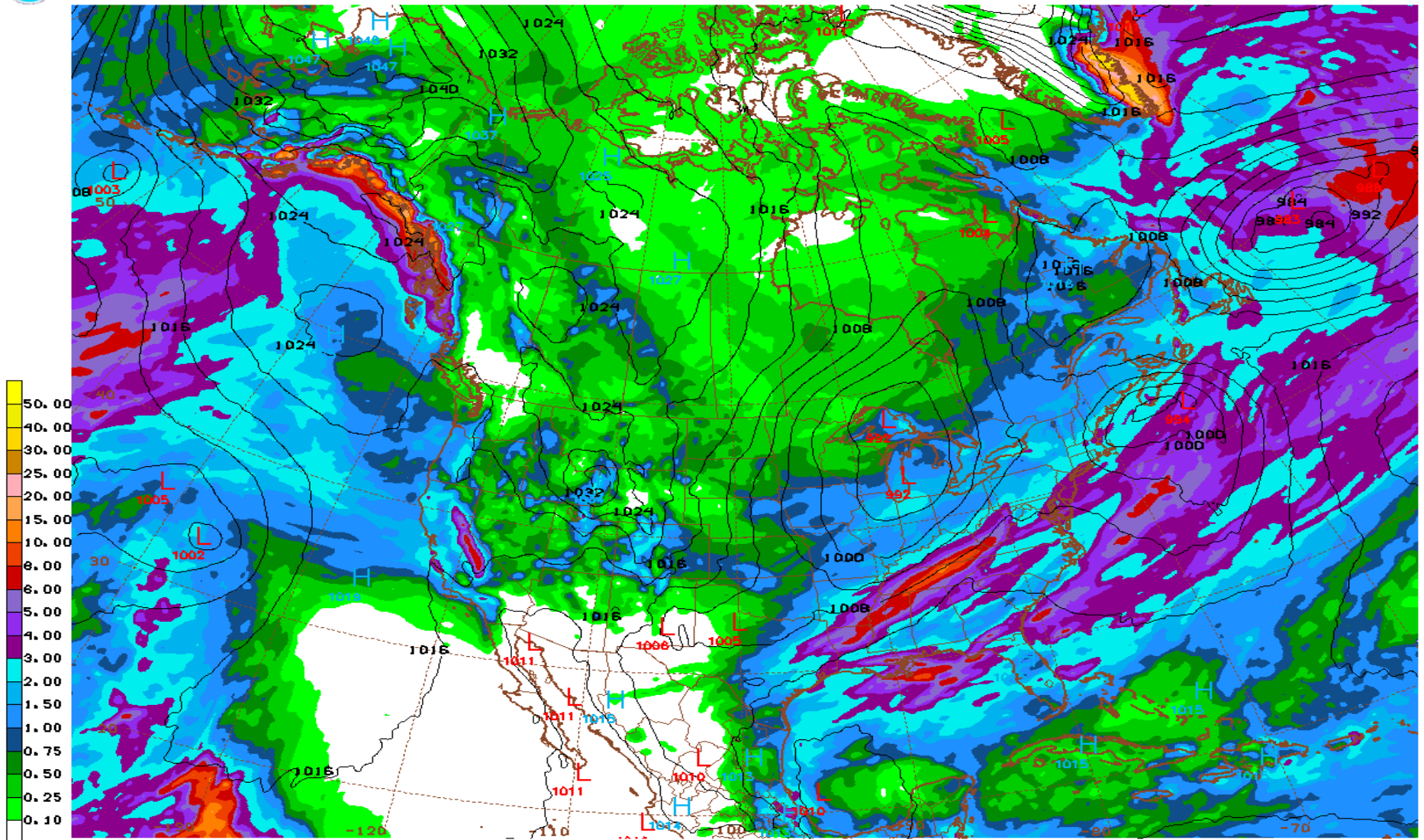
Date Range	Cumulative (inches)
Oct 1, 2024 - Feb 6, 2025	25.46
Last 7 Days*	5.13

Cumulative Precipitation Comparison of Current Year versus Historic Record



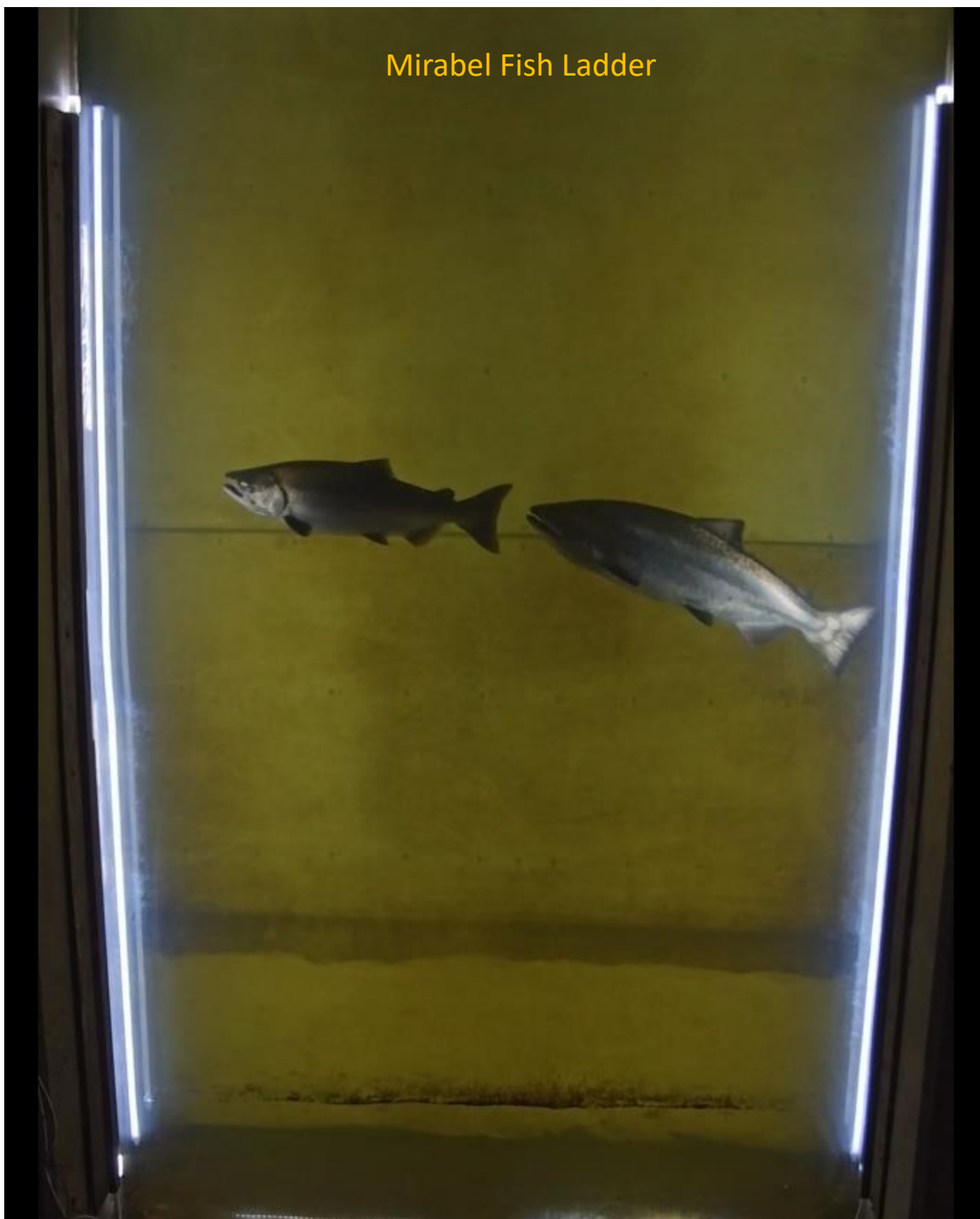
Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 02/10/25 12UTC 384HR FCST VALID MED 02/26/25 12UTC NOAA/NWS/NCEP



6FS MED 250226/1200V384 ENSL (4MB), 384HR ACCUMULATED PRECIP (IN)
 Date Range: Feb 10 - Feb 26, 2025
 Forecasted Cumulative (inches): **1.70**

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.