



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 January 10, 2025 - January 16, 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).

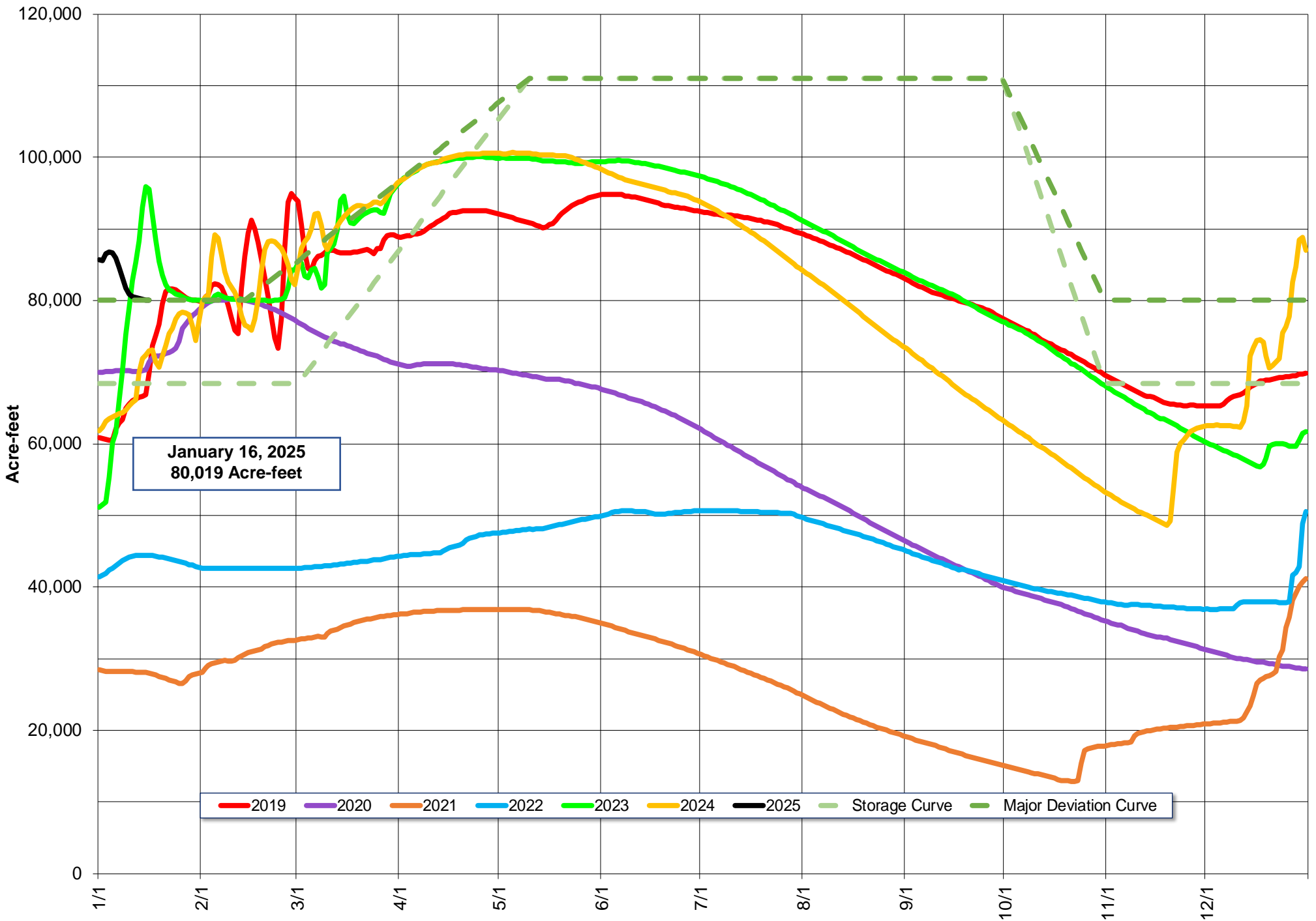
Instream Flow Requirements as of January 16, 2025

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



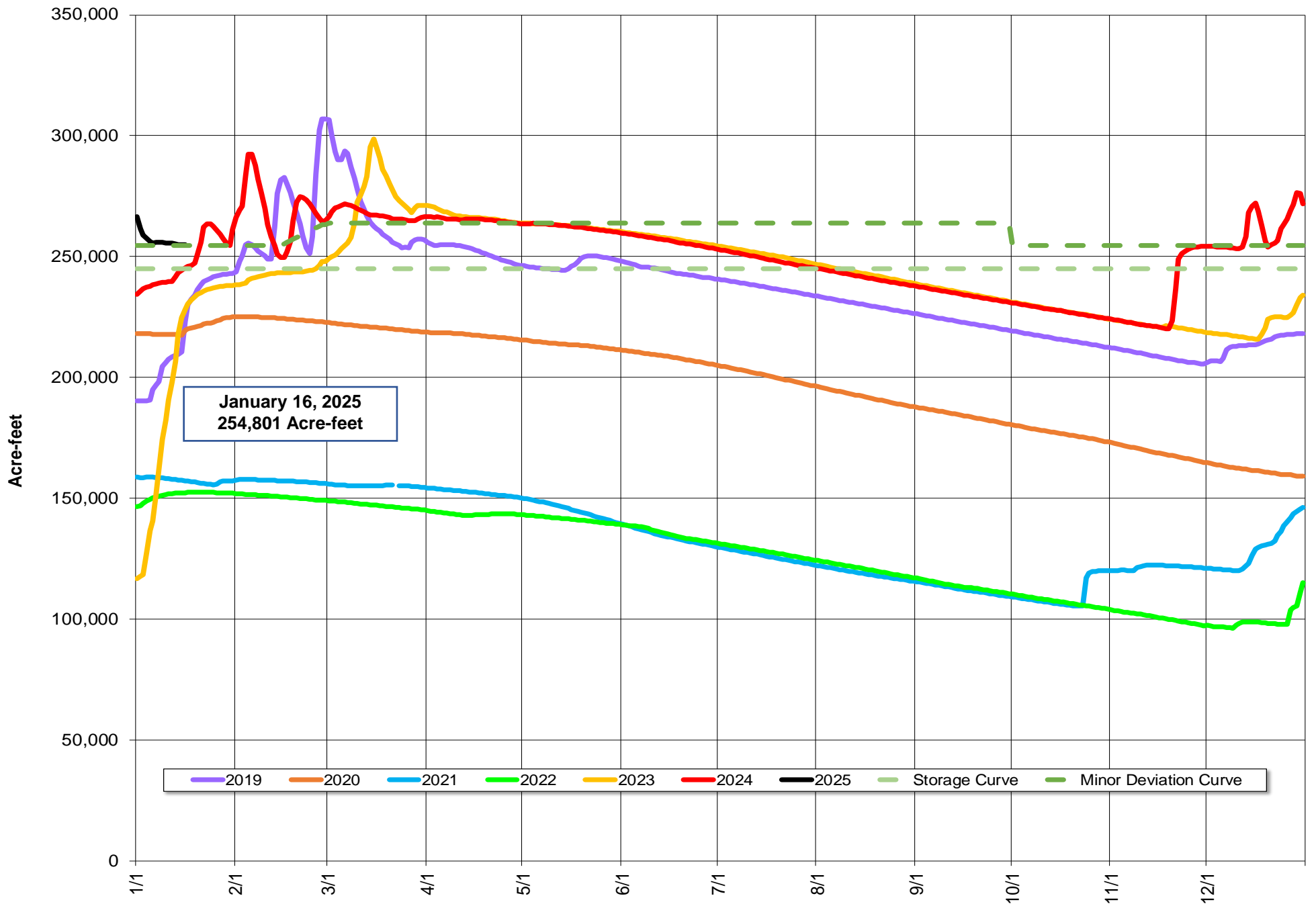
Storage (acre-feet)	January 16, 2025	80,019	
Change in Storage (acre-feet)	Last 30 days	5,514	184
	Last 7 days	-828	-118
Daily Inflow (cfs)	Last 7 days	Min	126
		Max	189
		Mean	155
Release (cfs)	Last 7 days	Min	148
		Max	621
		Mean	273

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025

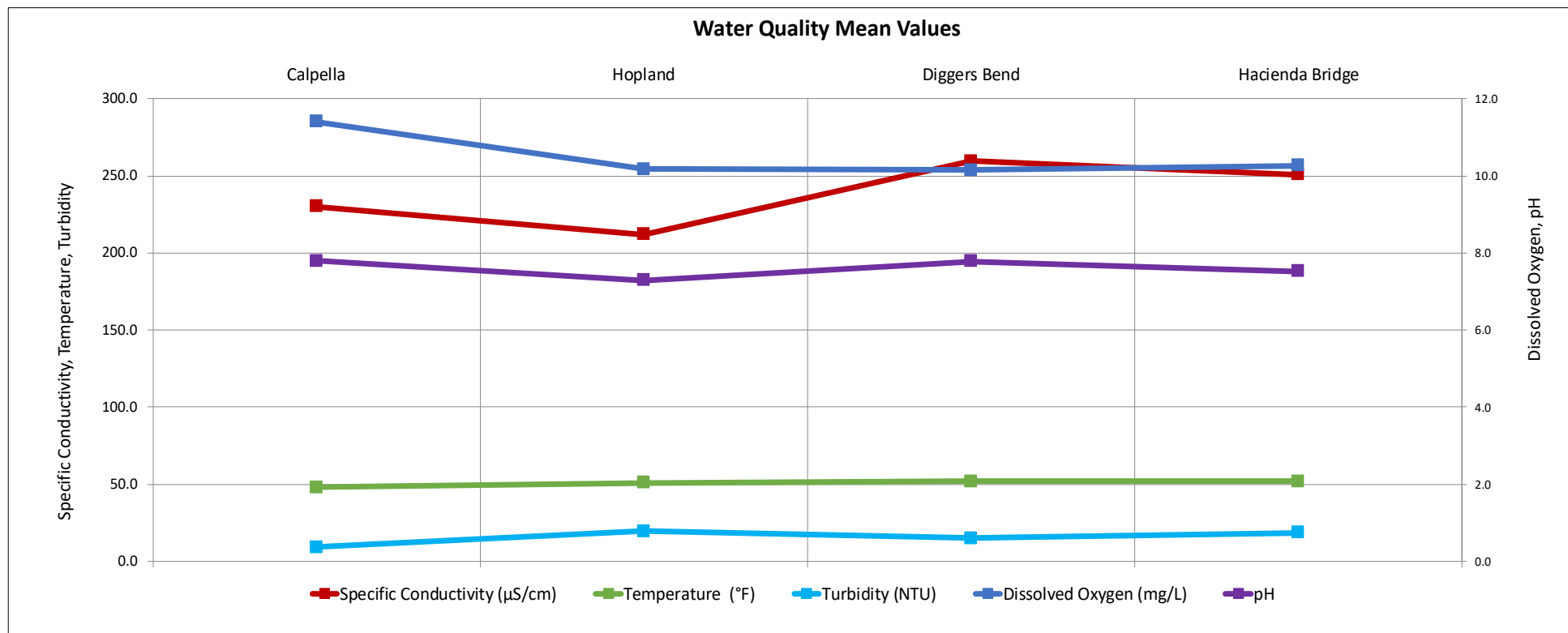


Storage (acre-feet)	January 16, 2025	254,801	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		-14,156	-472
Daily Inflow (cfs)	Last 7 days	Min	134
		Max	242
Release (cfs)	Last 7 days	Mean	172
		Min	172
		Max	292
		Mean	261

Russian River Flows (January 10, 2025 - January 16, 2025)

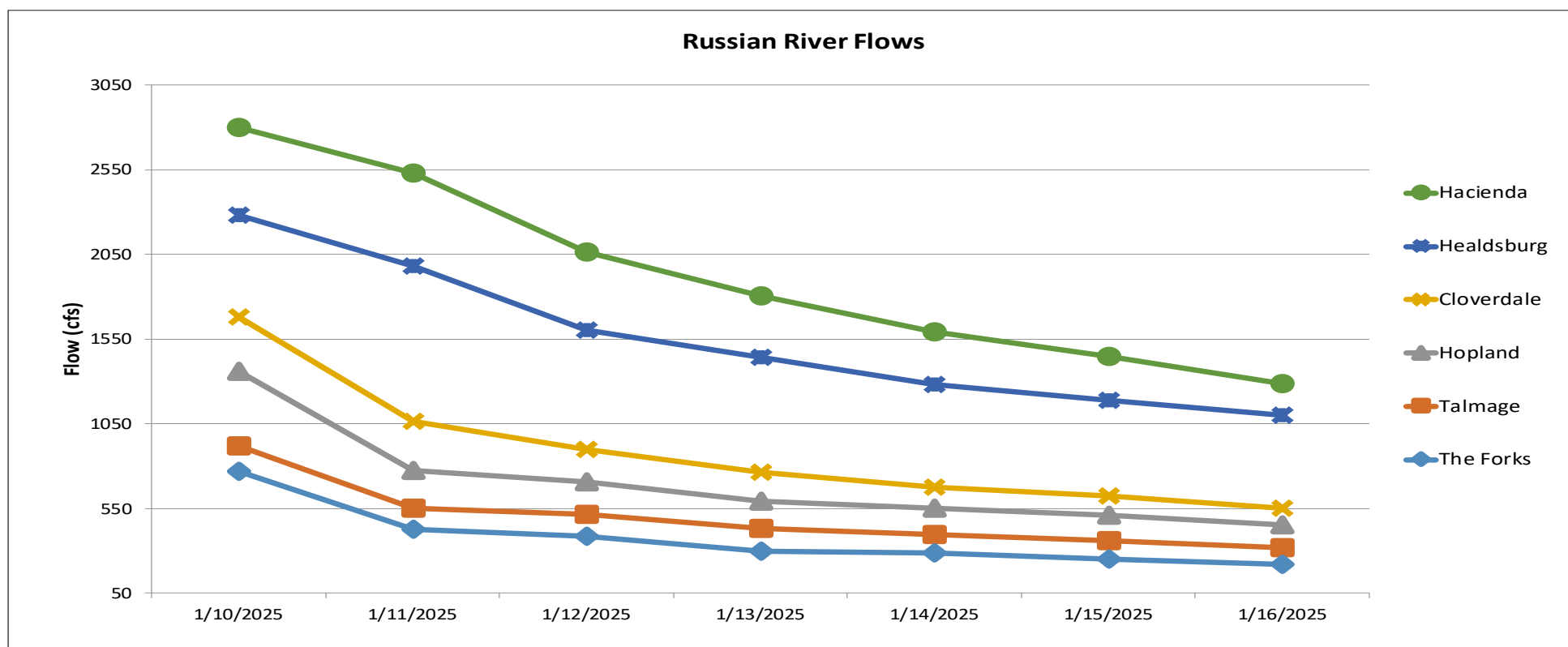
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	46.2	49.5		50.2	50.4		50.5	
	Max	50.2	52.3		53.6	53.2		52.7	
	Mean	47.9	50.9		51.9	51.8		51.8	
Specific Conductivity (µS/cm)	Min	224.0	180.0			224.0		228.0	
	Max	234.0	226.0			281.0		270.0	
	Mean	230.2	212.0			259.5		250.9	
Dissolved Oxygen (mg/L)	Min	11.1	9.8			9.9		10.0	
	Max	11.7	10.7			10.3		10.4	
	Mean	11.4	10.2			10.1		10.3	
Dissolved Oxygen (% Saturation)	Min	95.7	88.2			90.2		90.9	
	Max	100.1	96.8			94.2		94.3	
	Mean	98.3	91.1			92.0		93.1	
pH	Min	7.8	7.2			7.7		7.5	
	Max	7.9	7.4			7.8		7.6	
	Mean	7.8	7.3			7.8		7.5	
Turbidity (NTU)	Min	6.0	14.7			11.6		11.1	
	Max	10.8	34.2			17.6		26.0	
	Mean	9.2	19.4			14.9		18.4	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jan 10, 2025	Jan 11, 2025	Jan 12, 2025	Jan 13, 2025	Jan 14, 2025	Jan 15, 2025	Jan 16, 2025
The Forks*	768	426	385	297	286	250	220
Talmage USGS 11462080	922	553	517	431	395	358	317
Hopland USGS 11462500	1360	776	707	595	553	511	455
Cloverdale USGS 11463000	1680	1064	901	766	676	624	554
Healdsburg USGS 11464000	2284	1983	1601	1440	1284	1188	1101
Hacienda USGS 11467000	2801	2530	2064	1804	1593	1446	1289

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

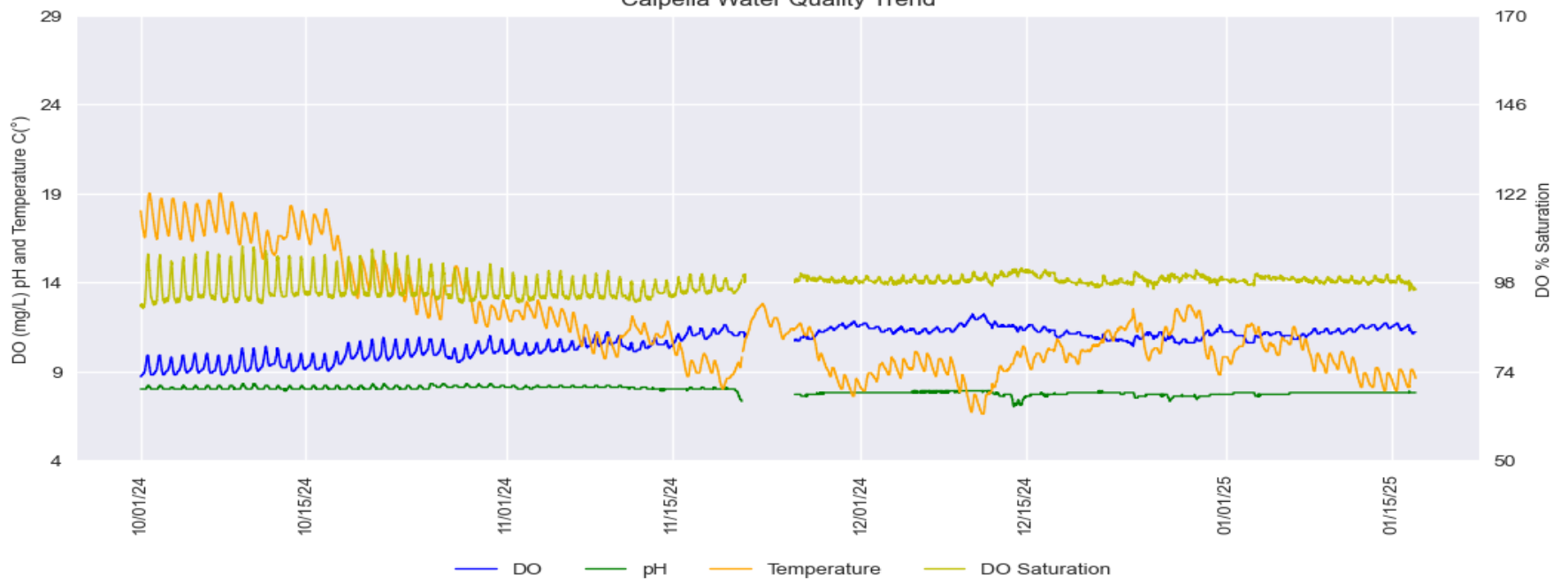


Russian River Water Quality October 1, 2024 – January 16, 2025

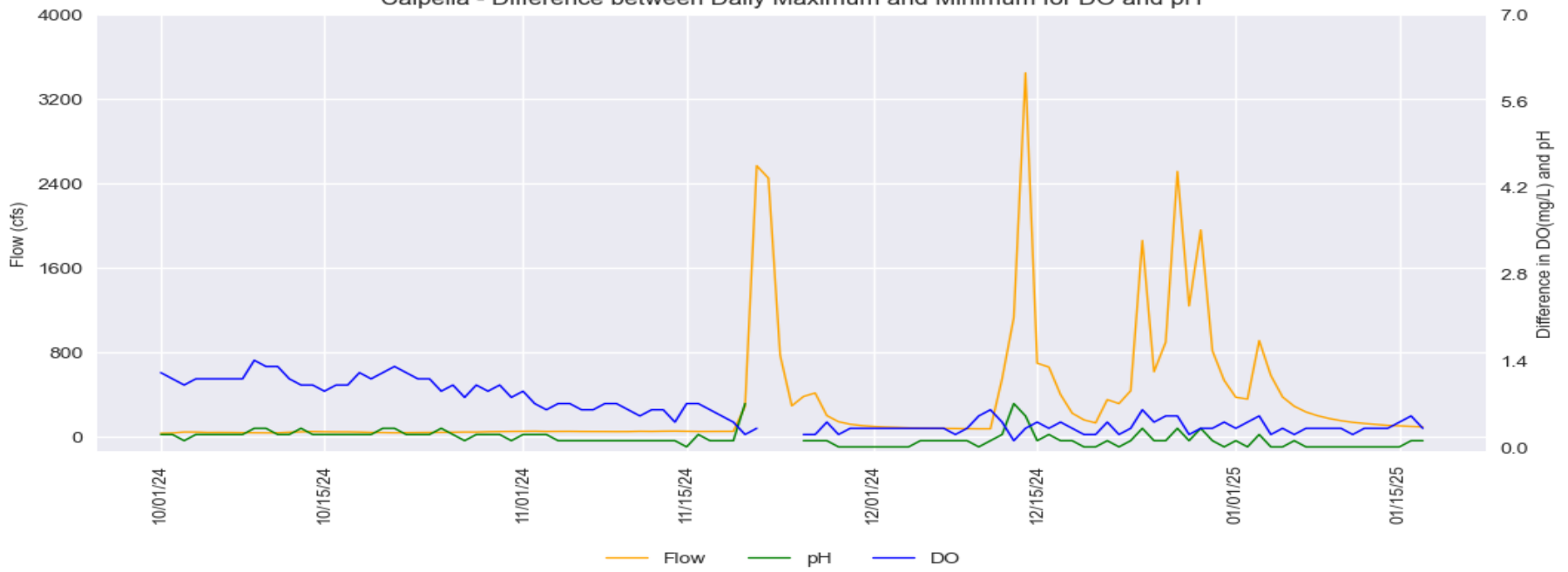
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

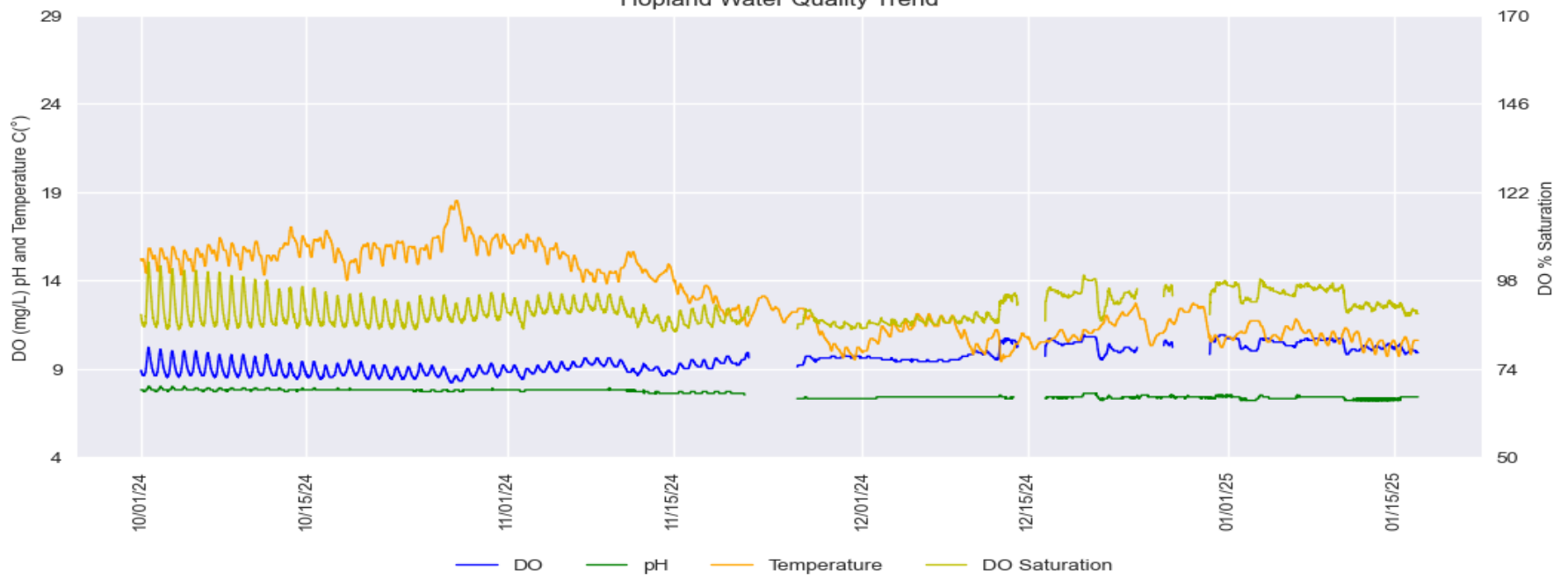


Calpella - Difference between Daily Maximum and Minimum for DO and pH

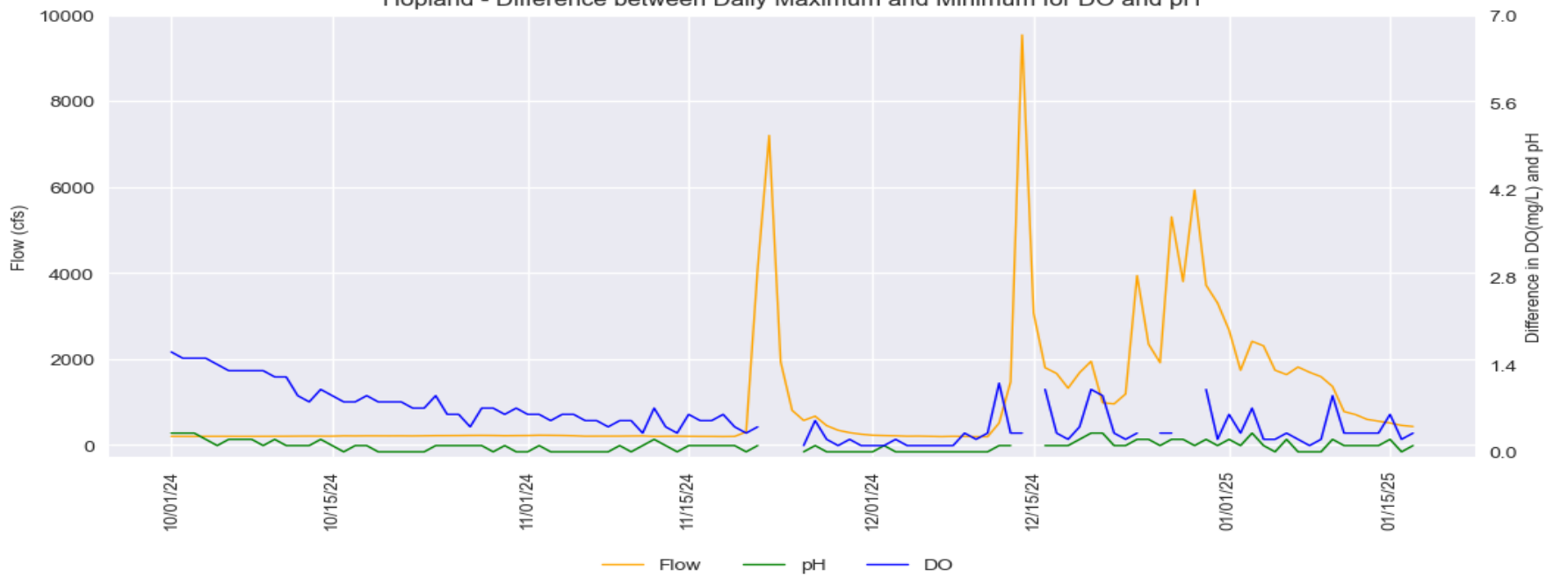


Hopland

Hopland Water Quality Trend



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

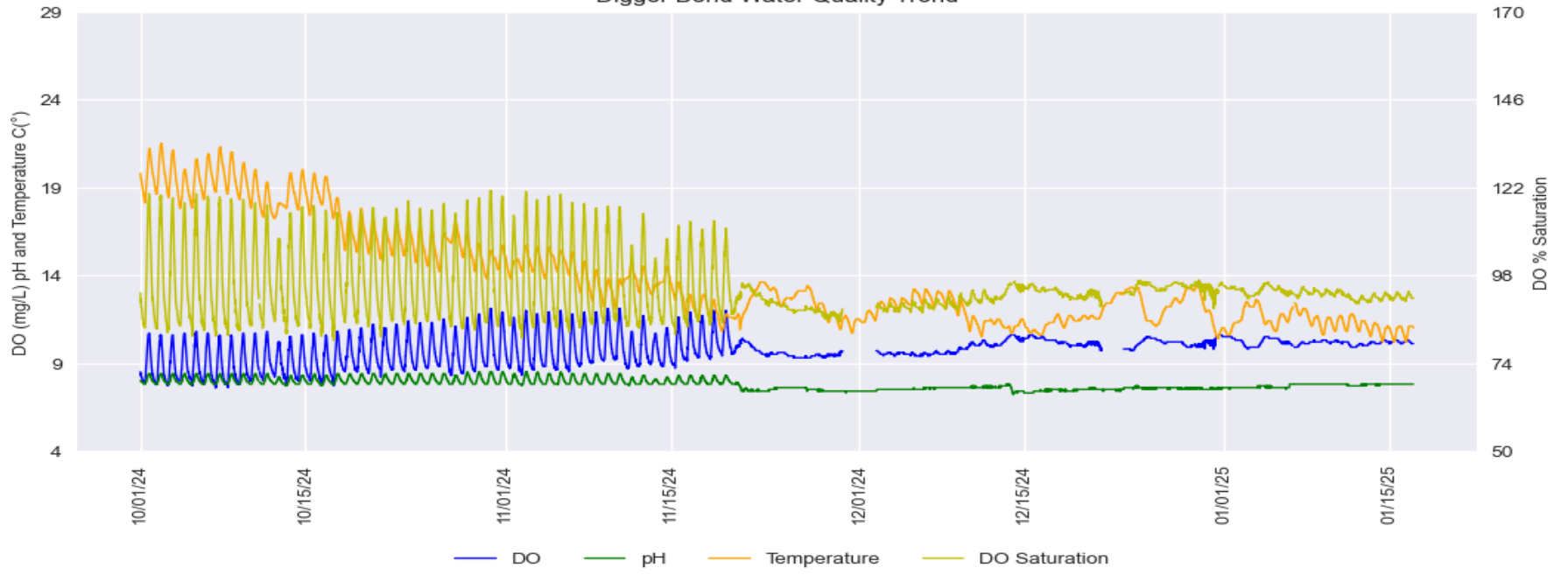


Russian River Water Quality October 1, 2024 – January 16, 2025

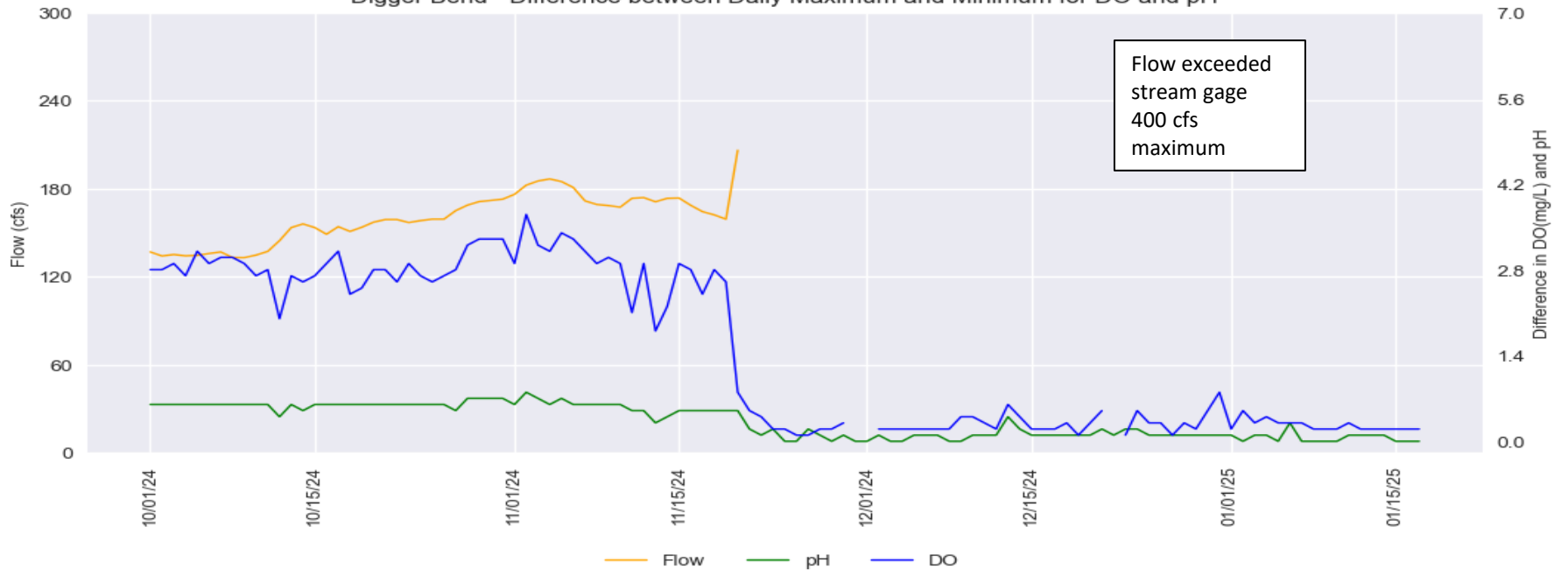
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

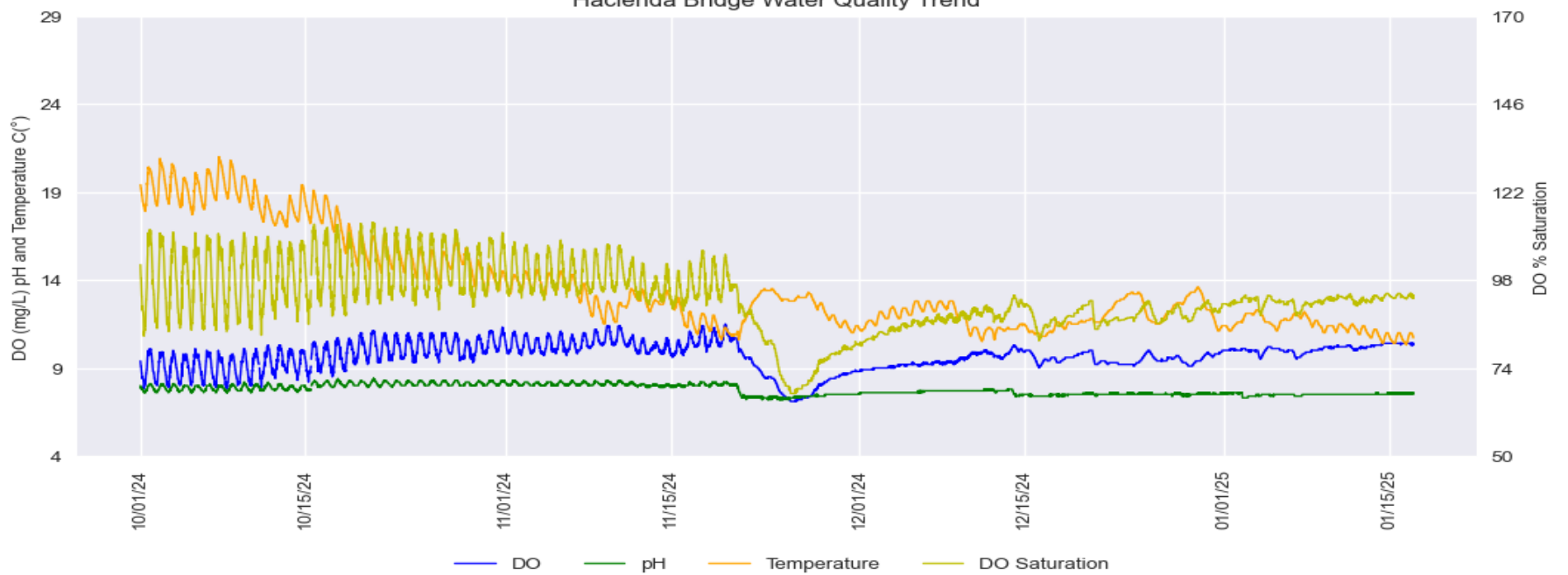


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

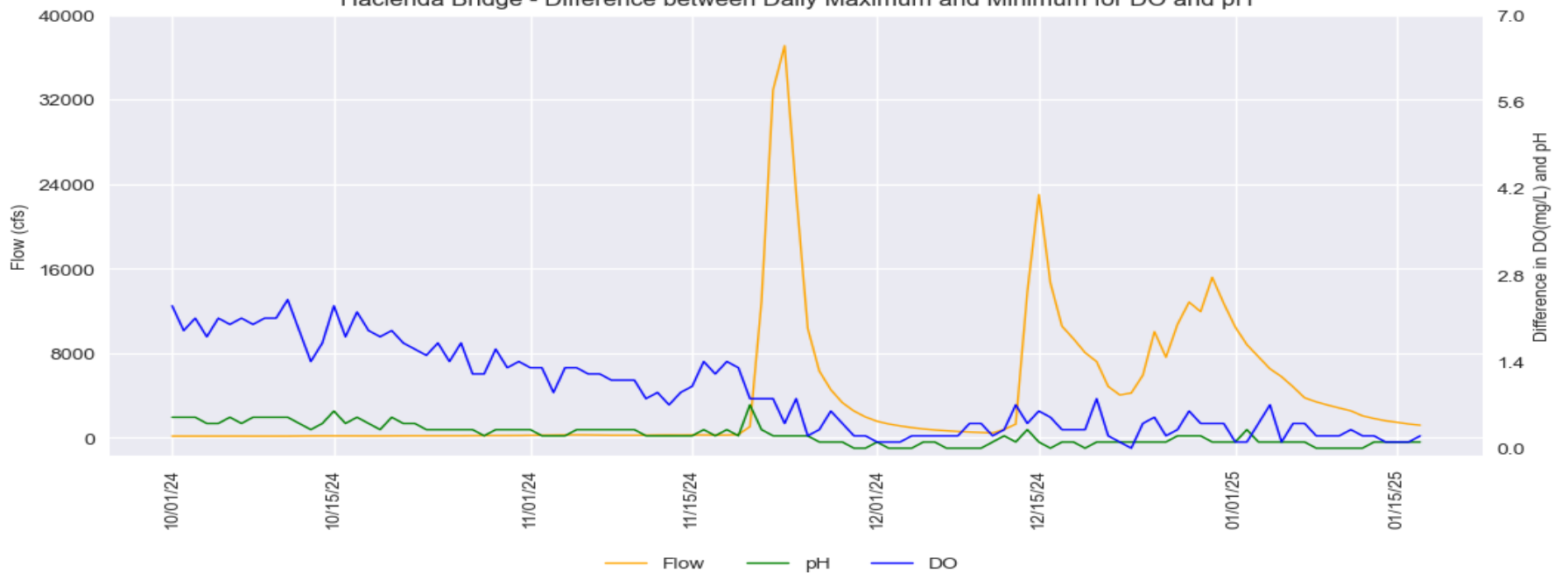


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

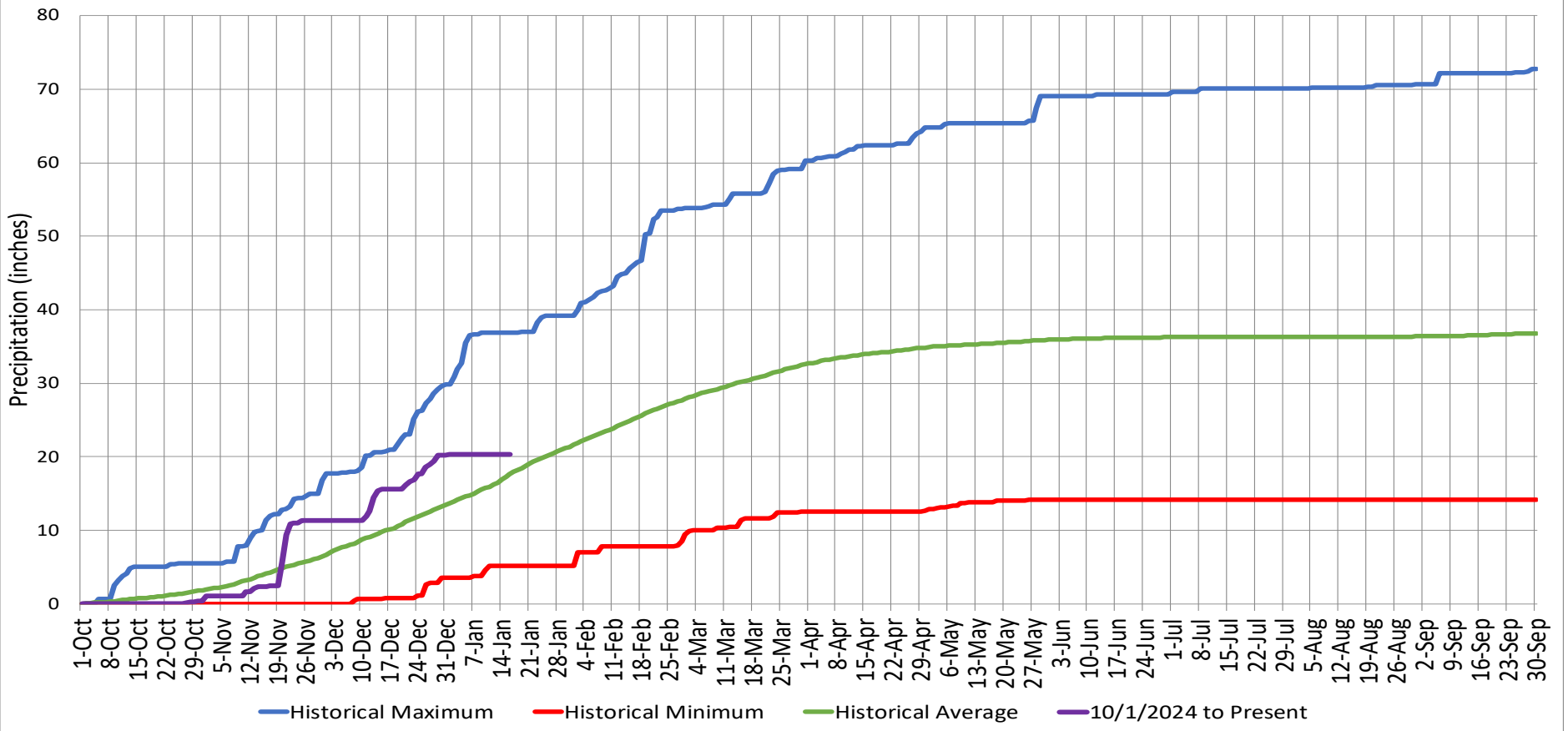


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

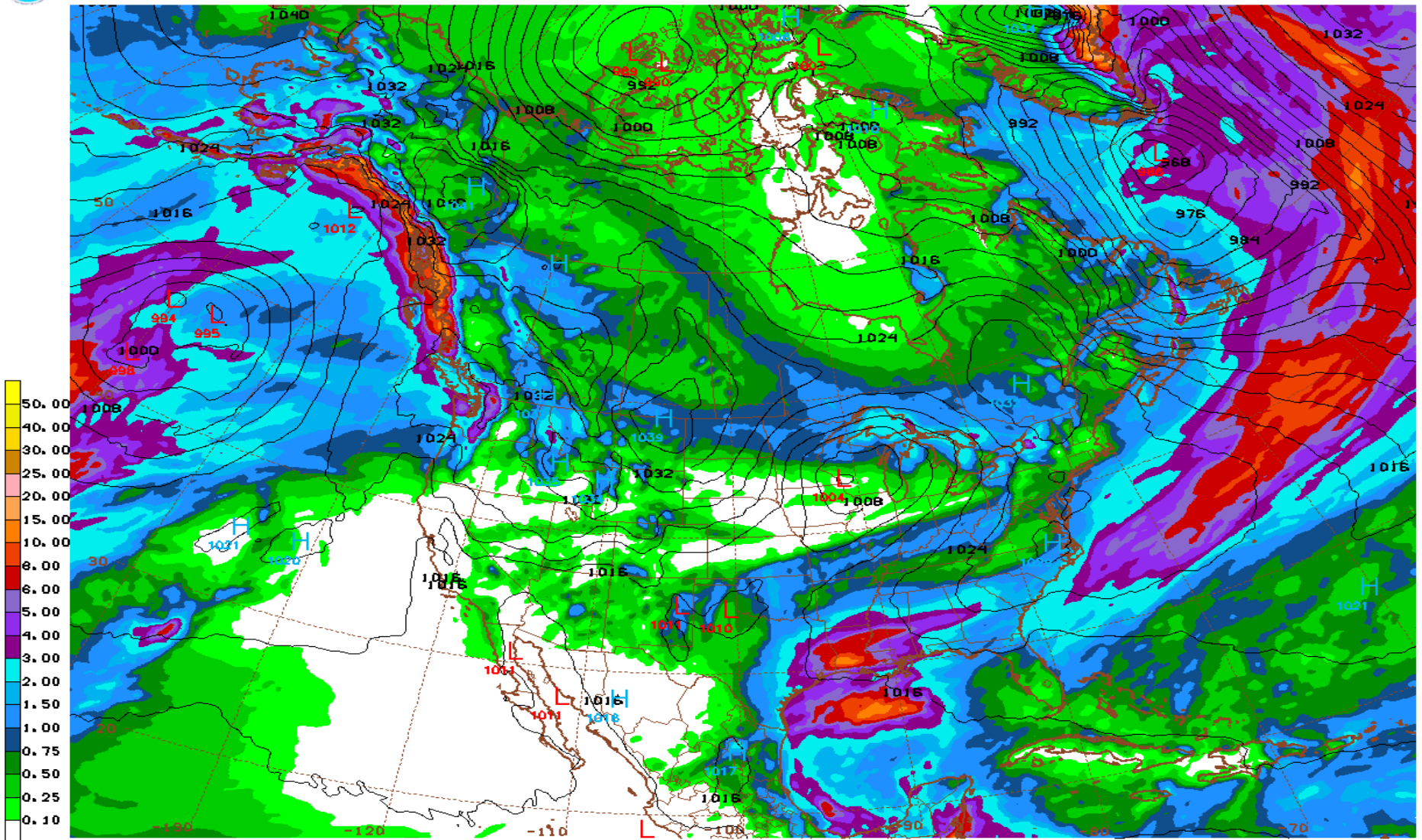
Date Range	Cumulative (inches)
Oct 1, 2024 - Jan 16, 2025	20.33
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 01/21/25 12UTC 384HR FCST VALID THU 02/06/25 12UTC NOAA/NWS/NCEP



6FS THU 250206/1200V384 ENSL (4MB). 384HR ACCUMULATED PRECIP (IN)
 Date Range: Jan 21 - Feb 6, 2025
 Forecasted Cumulative (inches): **0.00**

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.