



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 February 28, 2025 - March 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).

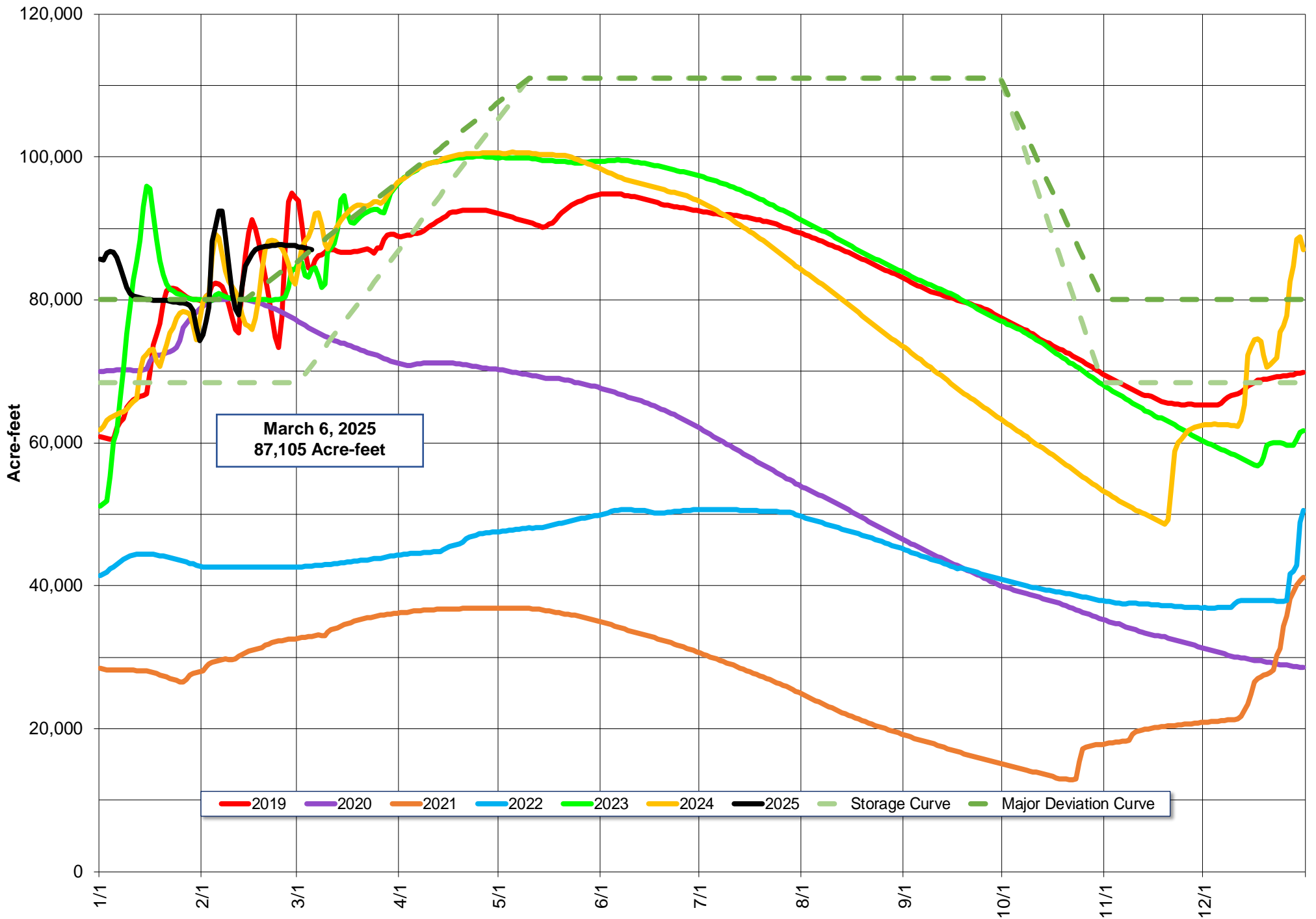
Instream Flow Requirements as of March 6, 2025

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



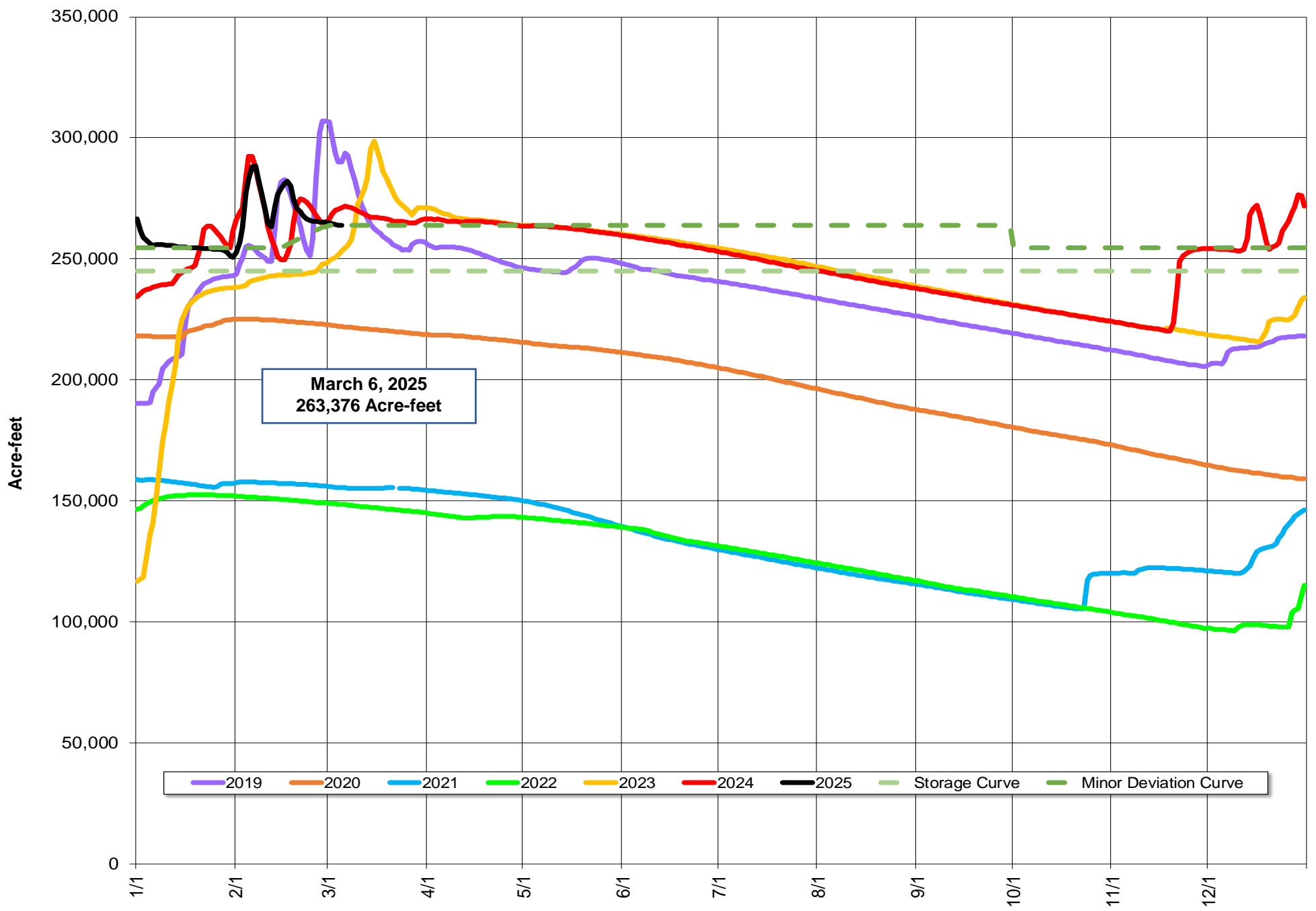
Storage (acre-feet)	March 6, 2025	87,105	
Change in Storage (acre-feet)	Last 30 days	-1,085	-36
	Last 7 days	-524	-75
Daily Inflow (cfs)	Last 7 days	Min	123
		Max	176
		Mean	147
Release (cfs)	Last 7 days	Min	100
		Max	204
		Mean	180

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025



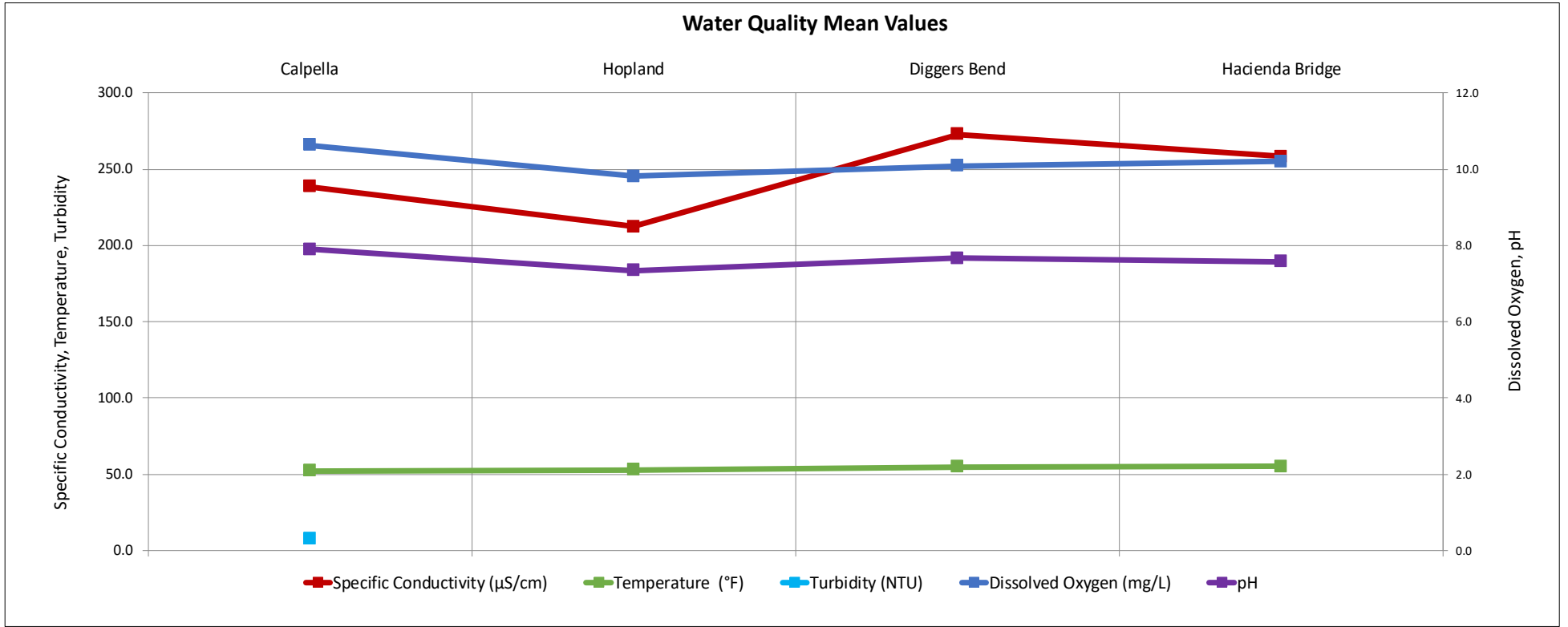
Storage (acre-feet)	March 6, 2025	263,376	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-14,244	-475
	Last 7 days	-1,694	-242
Daily Inflow (cfs)	Last 7 days	Min	163
		Max	260
		Mean	218
Release (cfs)	Last 7 days	Min	351
		Max	352
		Mean	352

Russian River Flows (February 28, 2025 - March 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	49.5	50.5		52.7	53.1		53.2	
	Max	54.3	54.0		56.8	56.7		56.5	
	Mean	52.1	52.6		54.7	54.8		55.0	
Specific Conductivity (µS/cm)	Min	236.0	208.0			266.0		255.0	
	Max	241.0	231.0			280.0		261.0	
	Mean	238.5	212.5			272.9		258.5	
Dissolved Oxygen (mg/L)	Min	10.3	9.5			9.8		10.0	
	Max	11.1	10.2			10.3		10.4	
	Mean	10.6	9.8			10.1		10.2	
Dissolved Oxygen (% Saturation)	Min	94.3	86.5			92.8		93.8	
	Max	100.6	92.1			97.9		98.4	
	Mean	96.8	90.0			95.0		96.3	
pH	Min	7.8	7.3			7.6		7.5	
	Max	8.0	7.4			7.7		7.6	
	Mean	7.9	7.3			7.7		7.6	
Turbidity (NTU)	Min	6.0							
	Max	9.8							
	Mean	7.5							

*Station operated seasonally

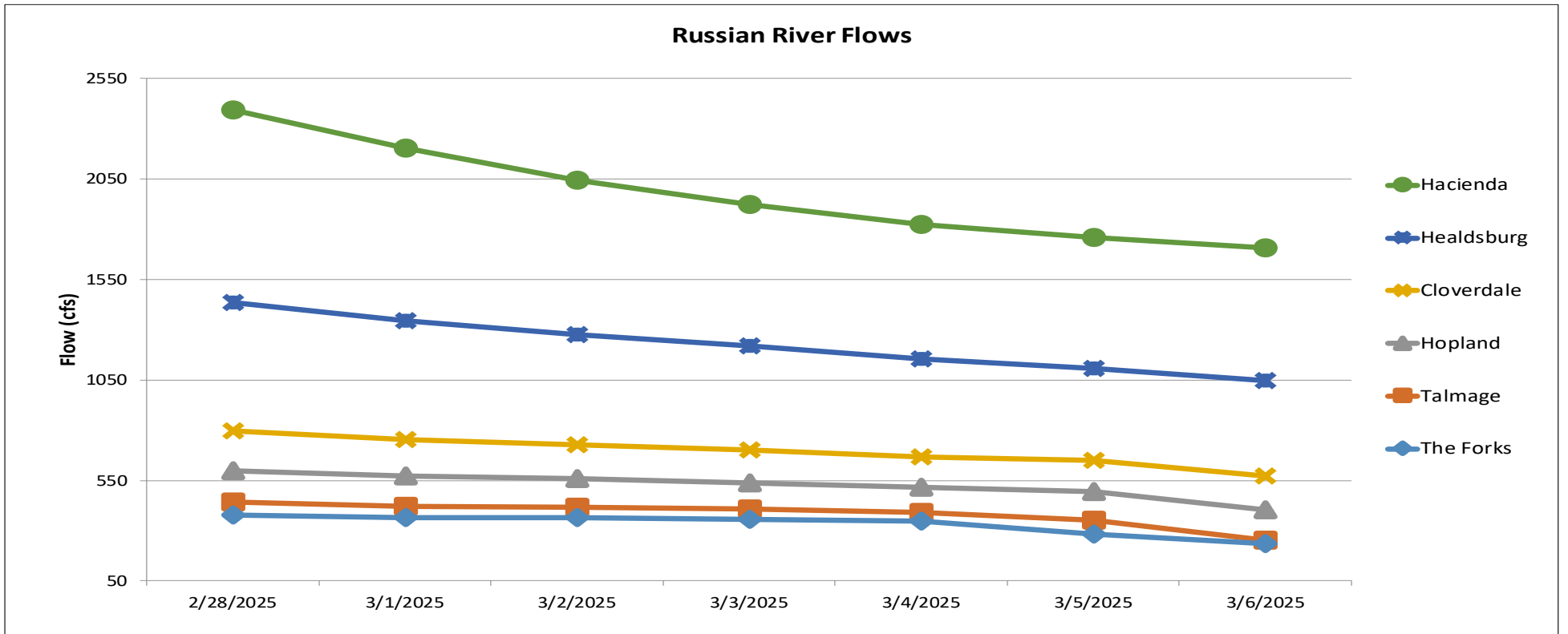
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Feb 28, 2025	Mar 1, 2025	Mar 2, 2025	Mar 3, 2025	Mar 4, 2025	Mar 5, 2025	Mar 6, 2025
The Forks*	377	365	362	355	348	282	235
Talmage USGS 11462080	443	421	418	406	390	352	253
Hopland USGS 11462500	599	572	558	537	516	495	404
Cloverdale USGS 11463000	797	753	729	700	667	647	573
Healdsburg USGS 11464000	1435	1344	1275	1220	1155	1106	1045
Hacienda USGS 11467000	2395	2202	2043	1921	1824	1759	1708

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

Russian River Flows

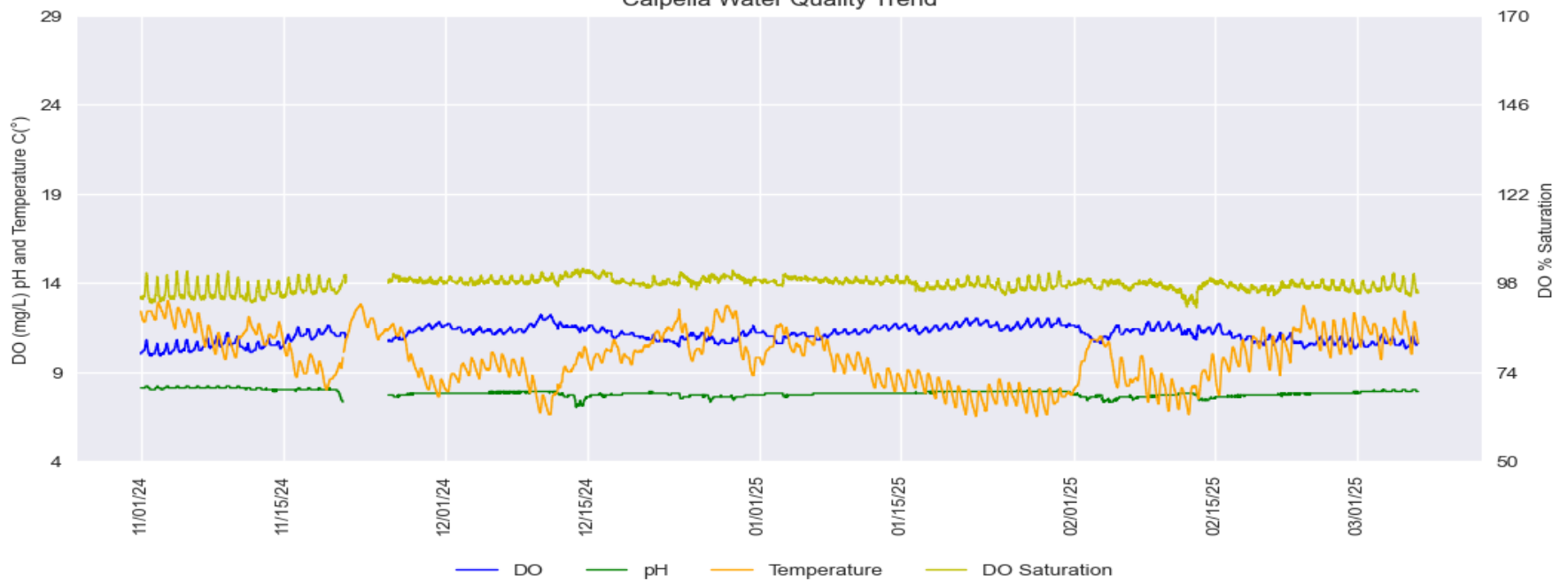


Russian River Water Quality November 1, 2024 – March 6, 2025

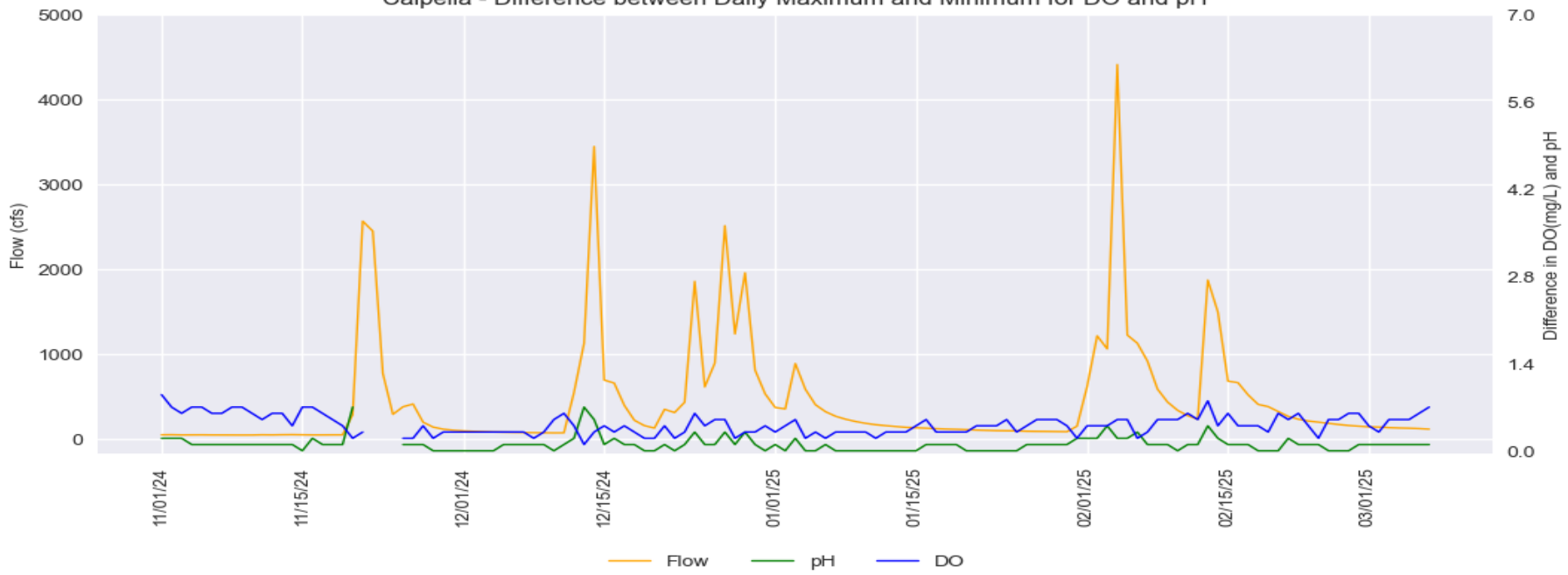
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

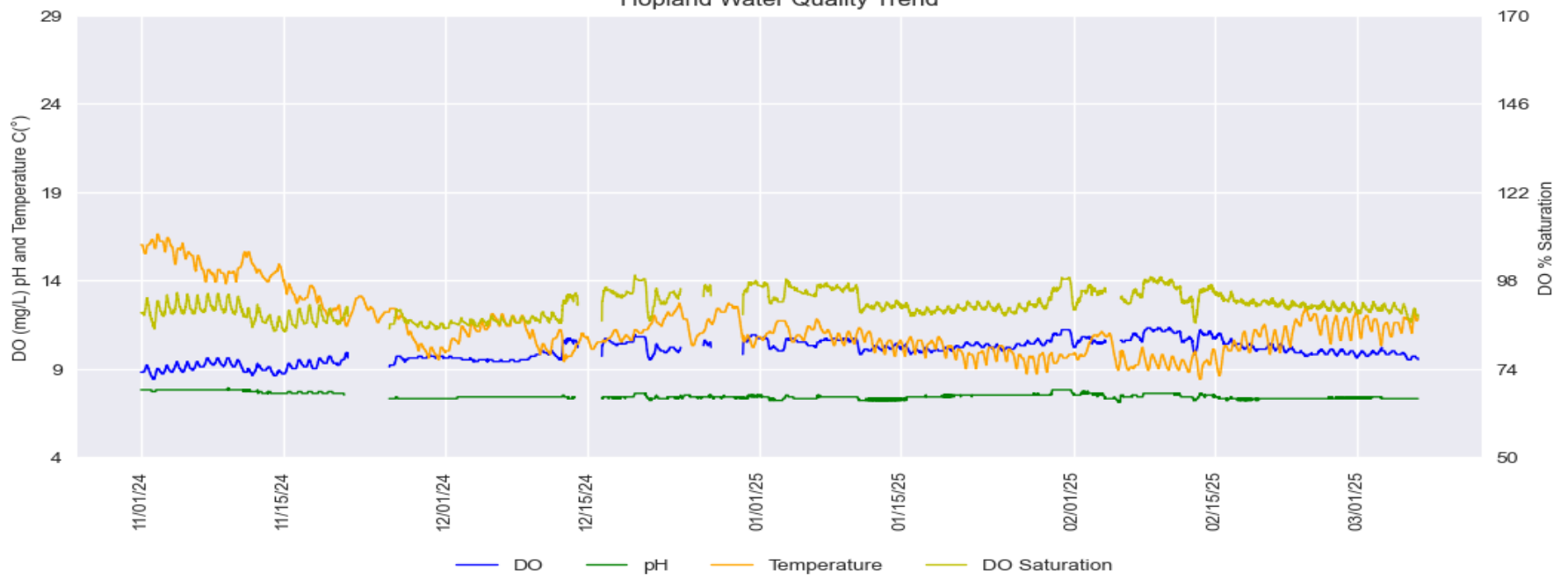


Calpella - Difference between Daily Maximum and Minimum for DO and pH

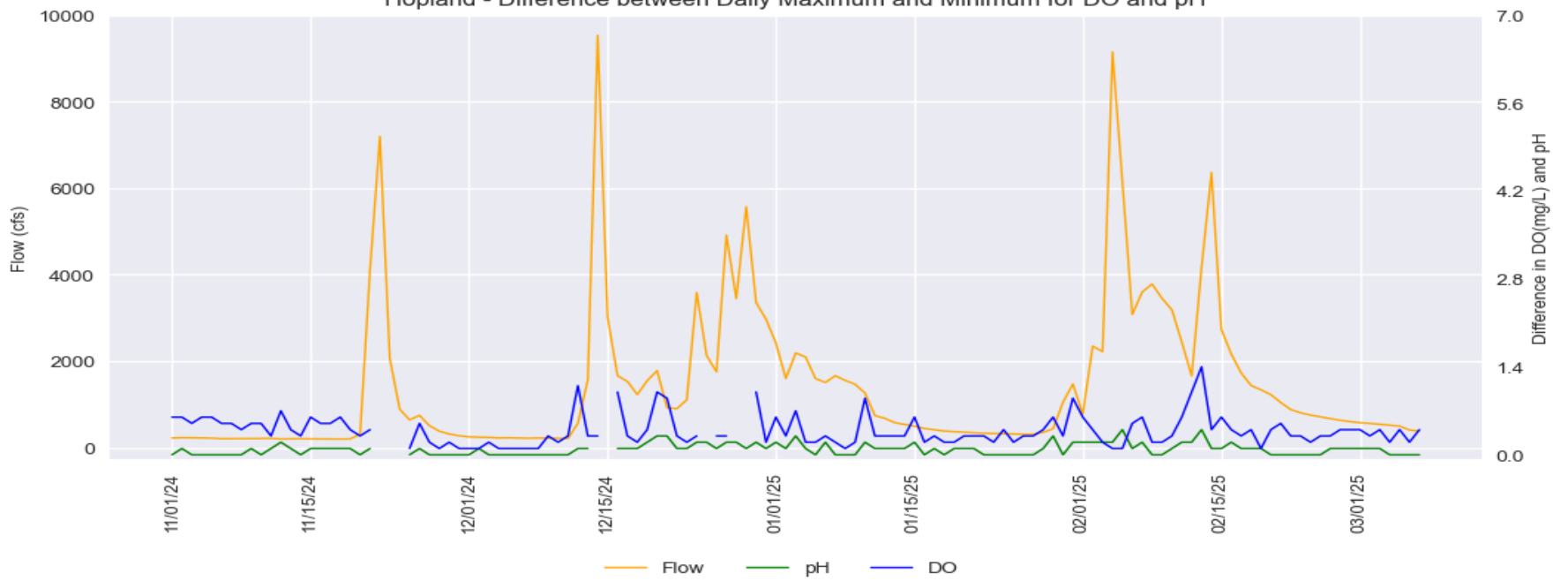


Hopland

Hopland Water Quality Trend



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

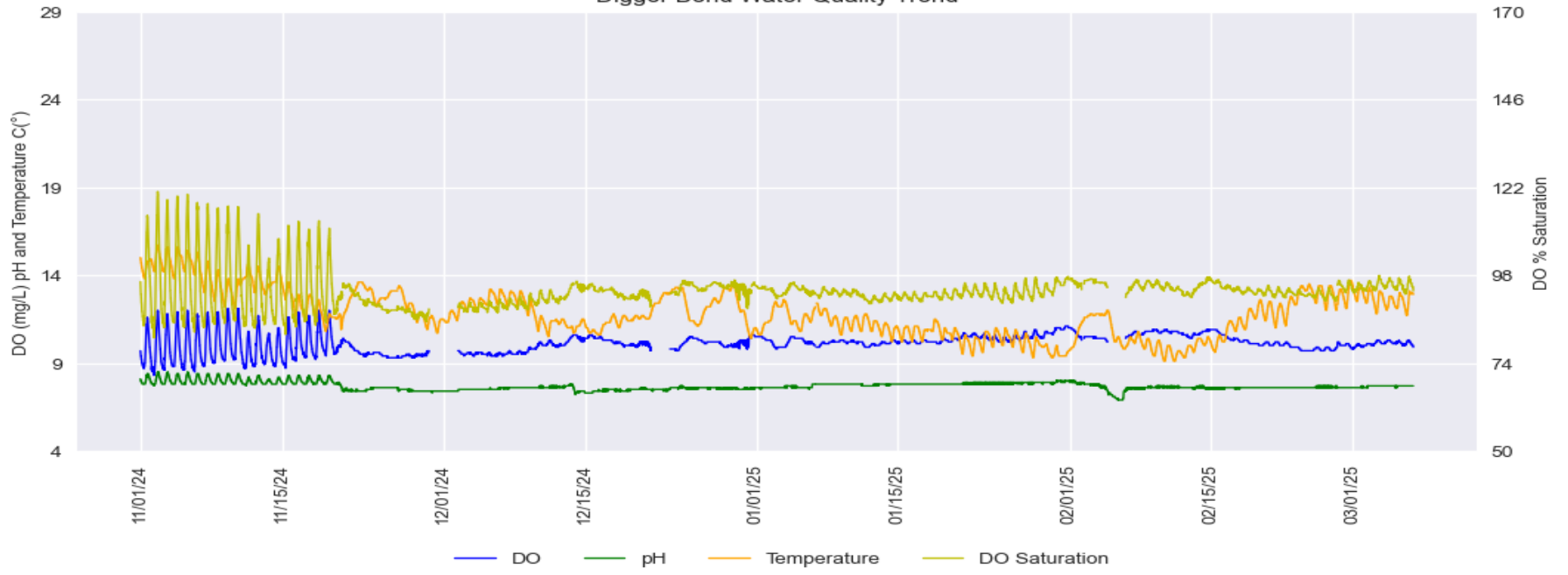


Russian River Water Quality November 1, 2024 – March 6, 2025

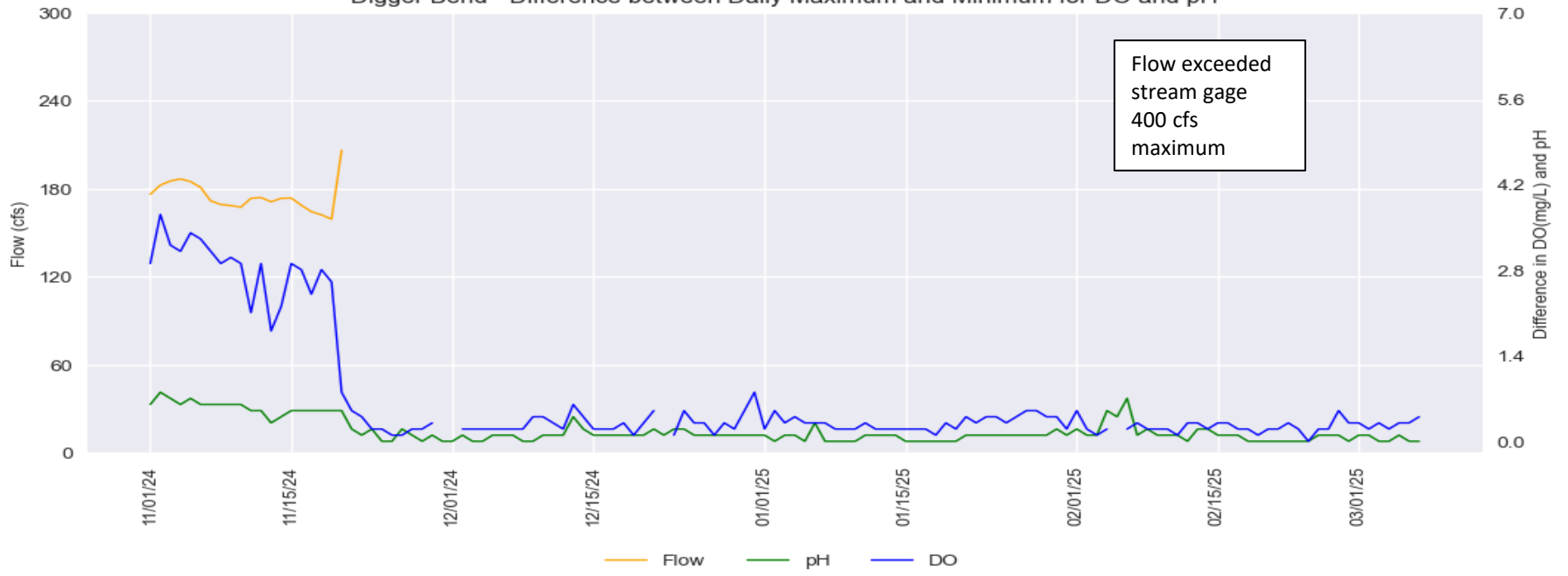
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

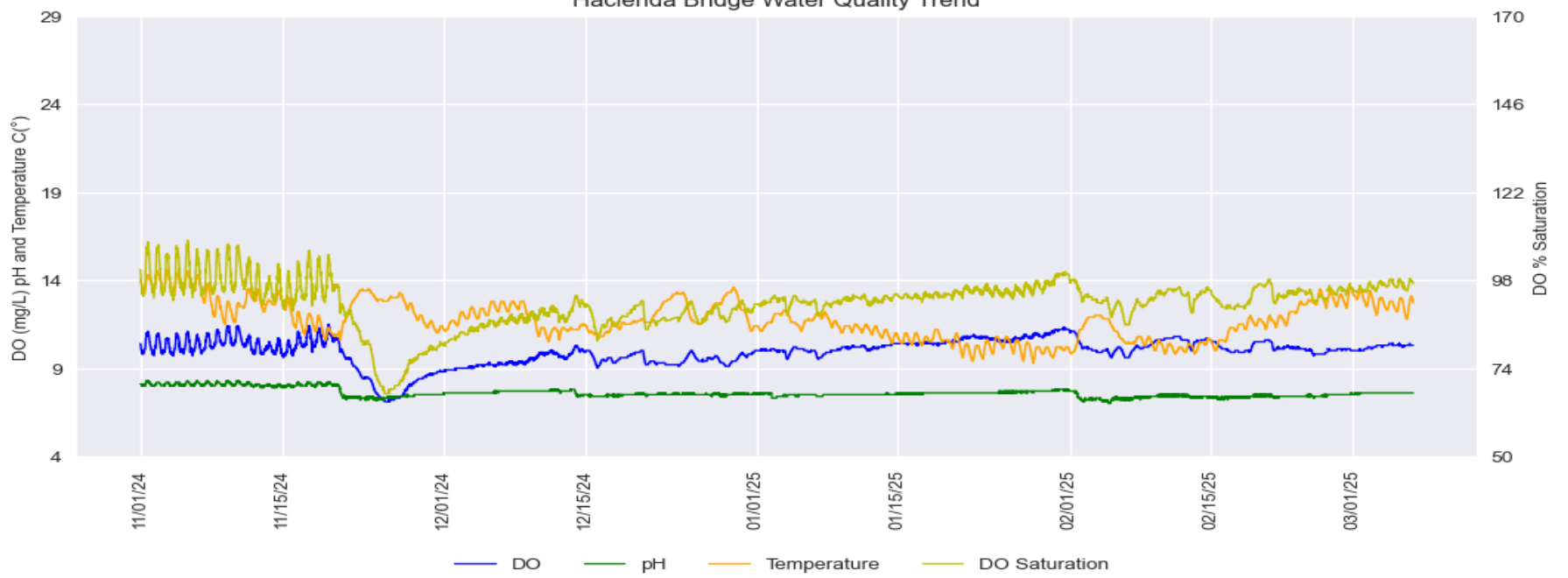


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

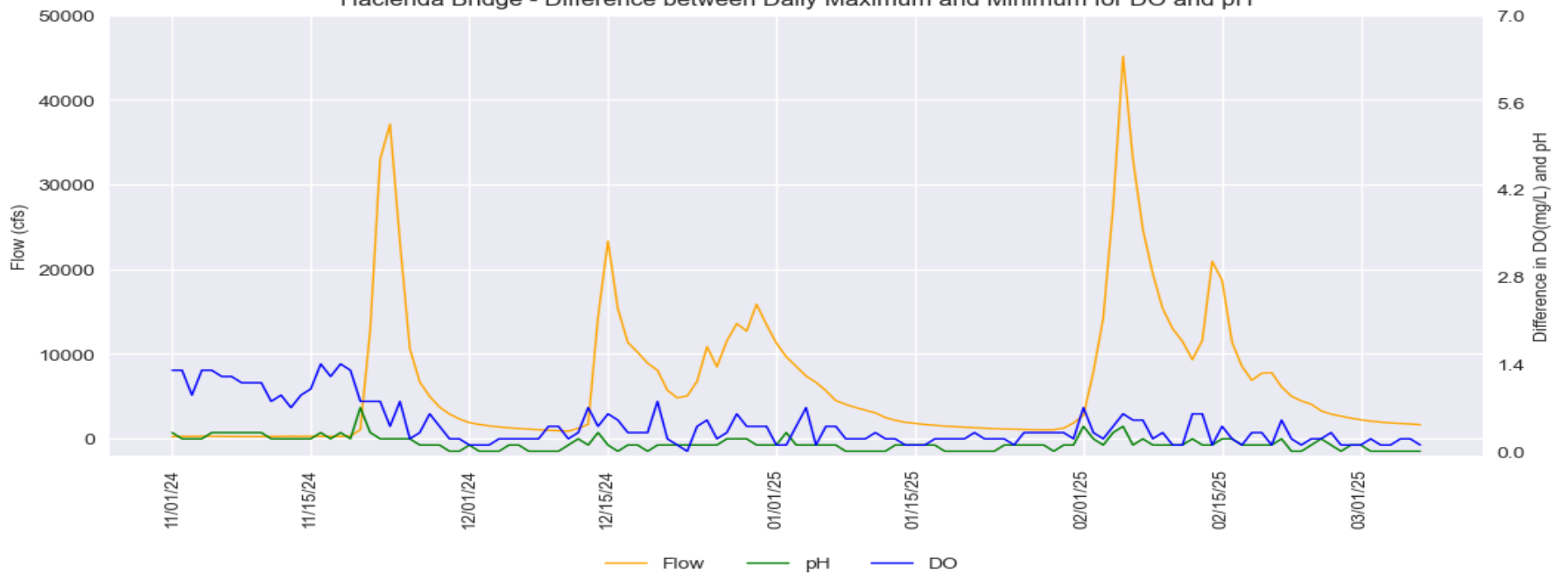


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

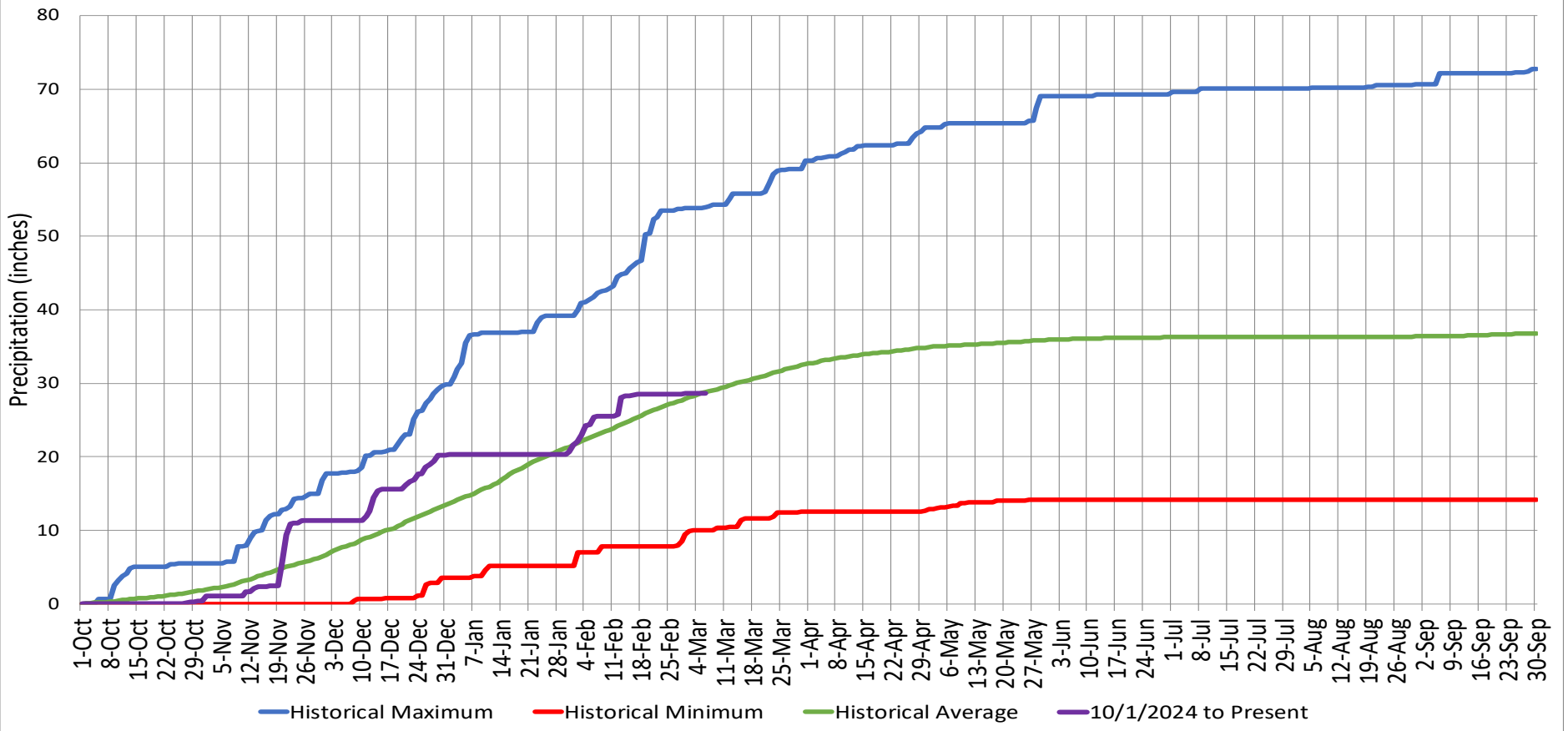


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

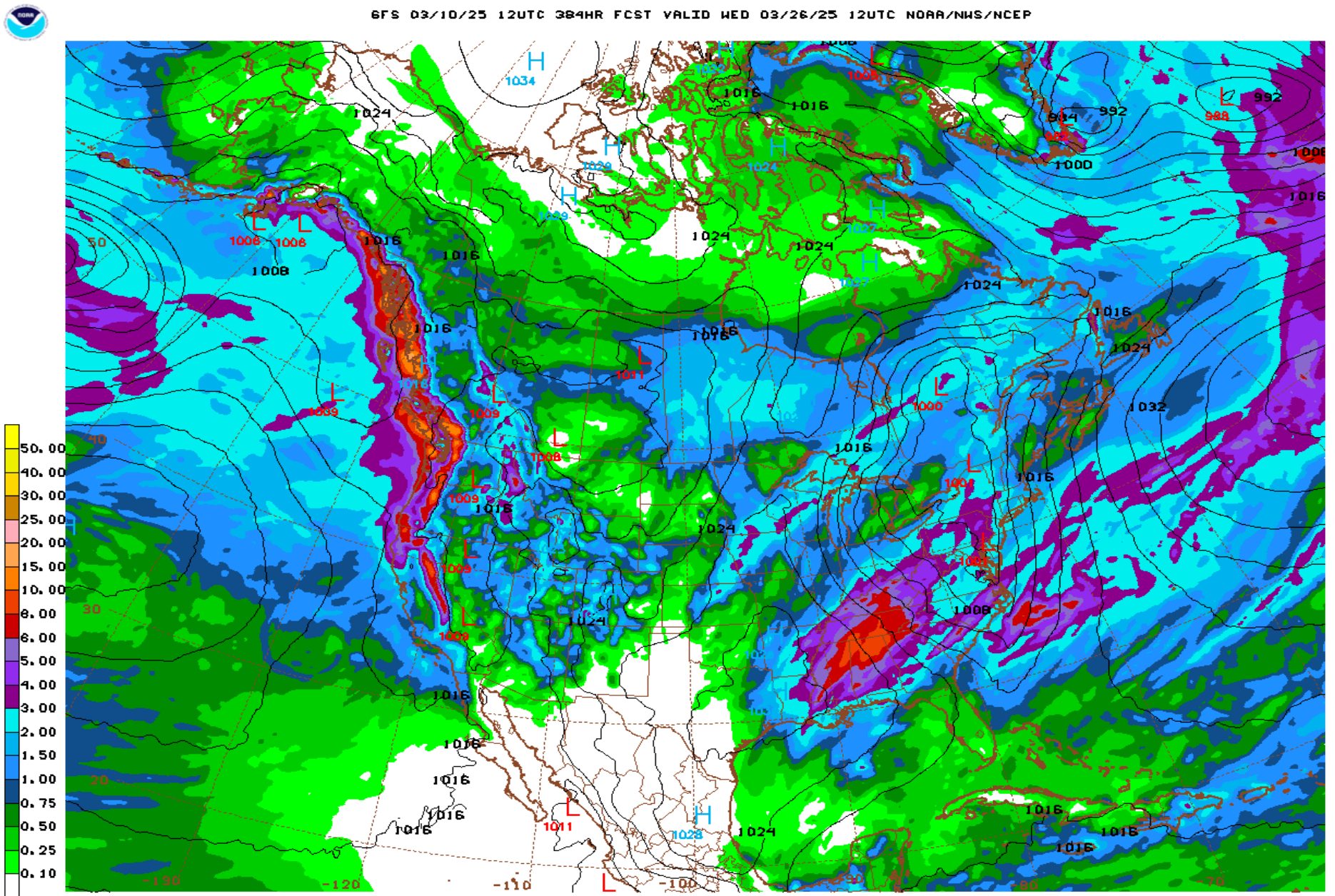
Date Range	Cumulative (inches)
Oct 1, 2024 - Mar 6, 2025	28.68
Last 7 Days*	0.12

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 03/10/25 12UTC 384HR FCST VALID WED 03/26/25 12UTC NOAA/NWS/NCEP

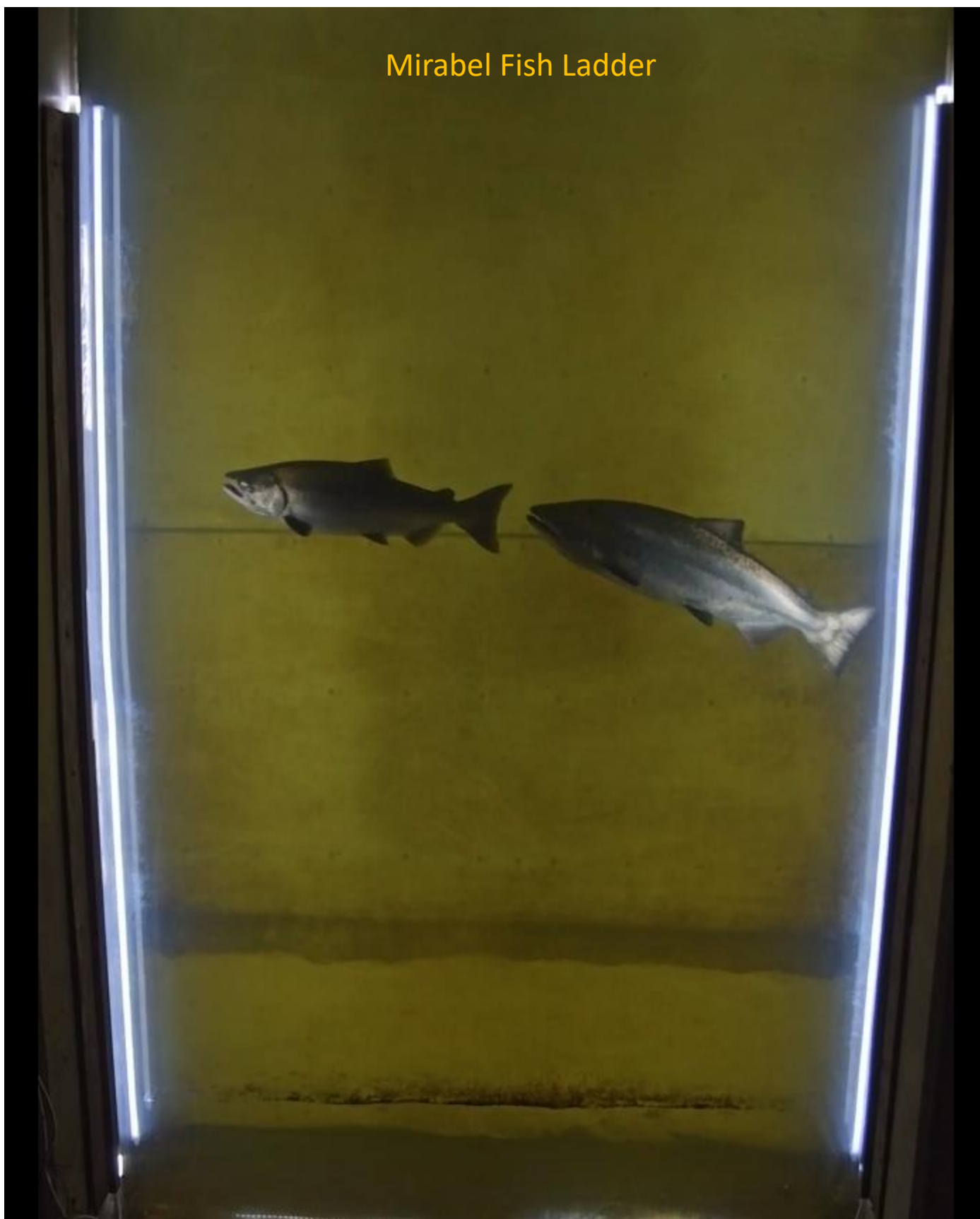


6FS WED 250326/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Mar 10 - Mar 26, 2025

Forecasted Cumulative (inches)
2.88

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.