



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 April 11, 2025 - April 17, 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).

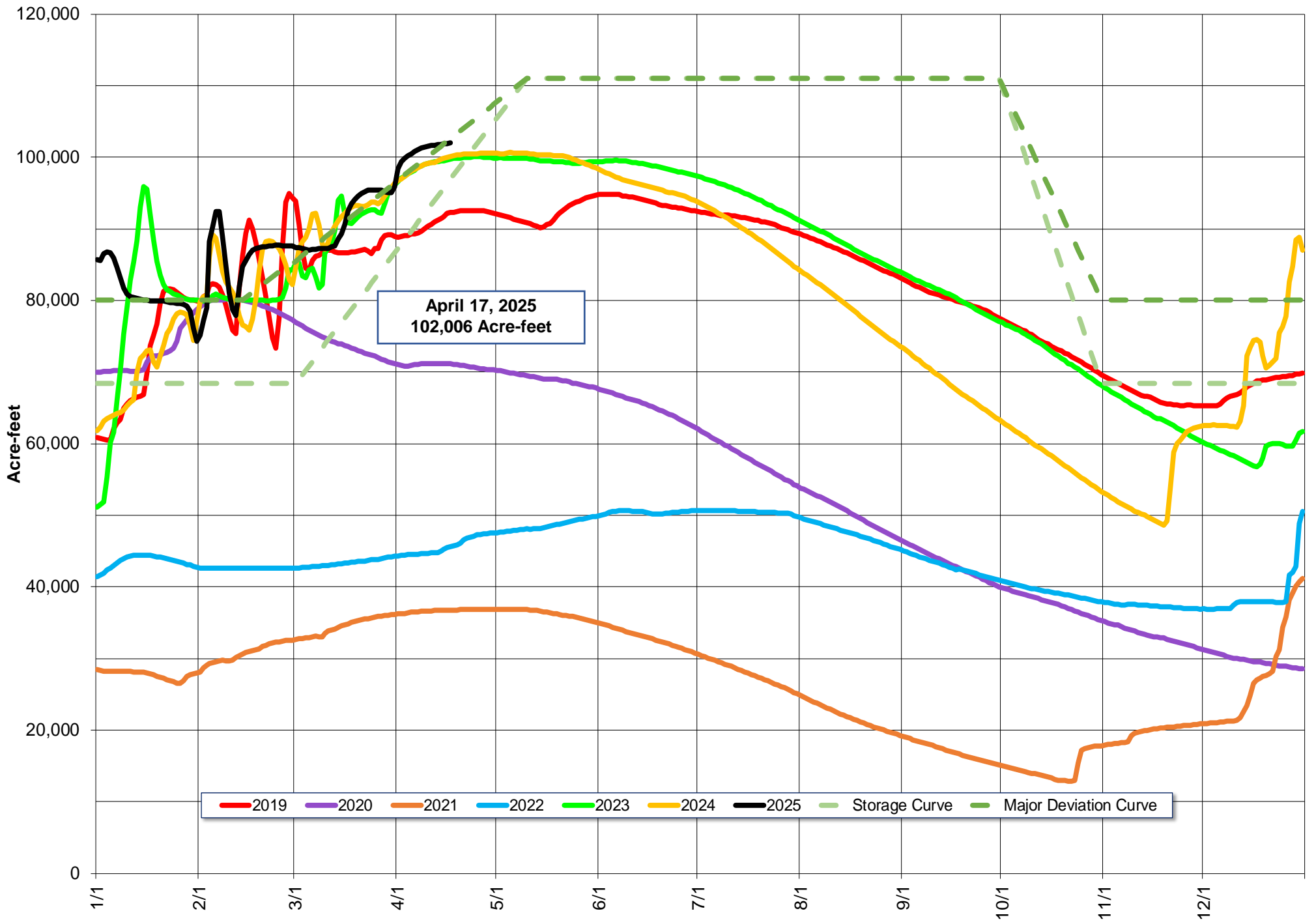
Instream Flow Requirements as of April 17, 2025

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	185	-
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



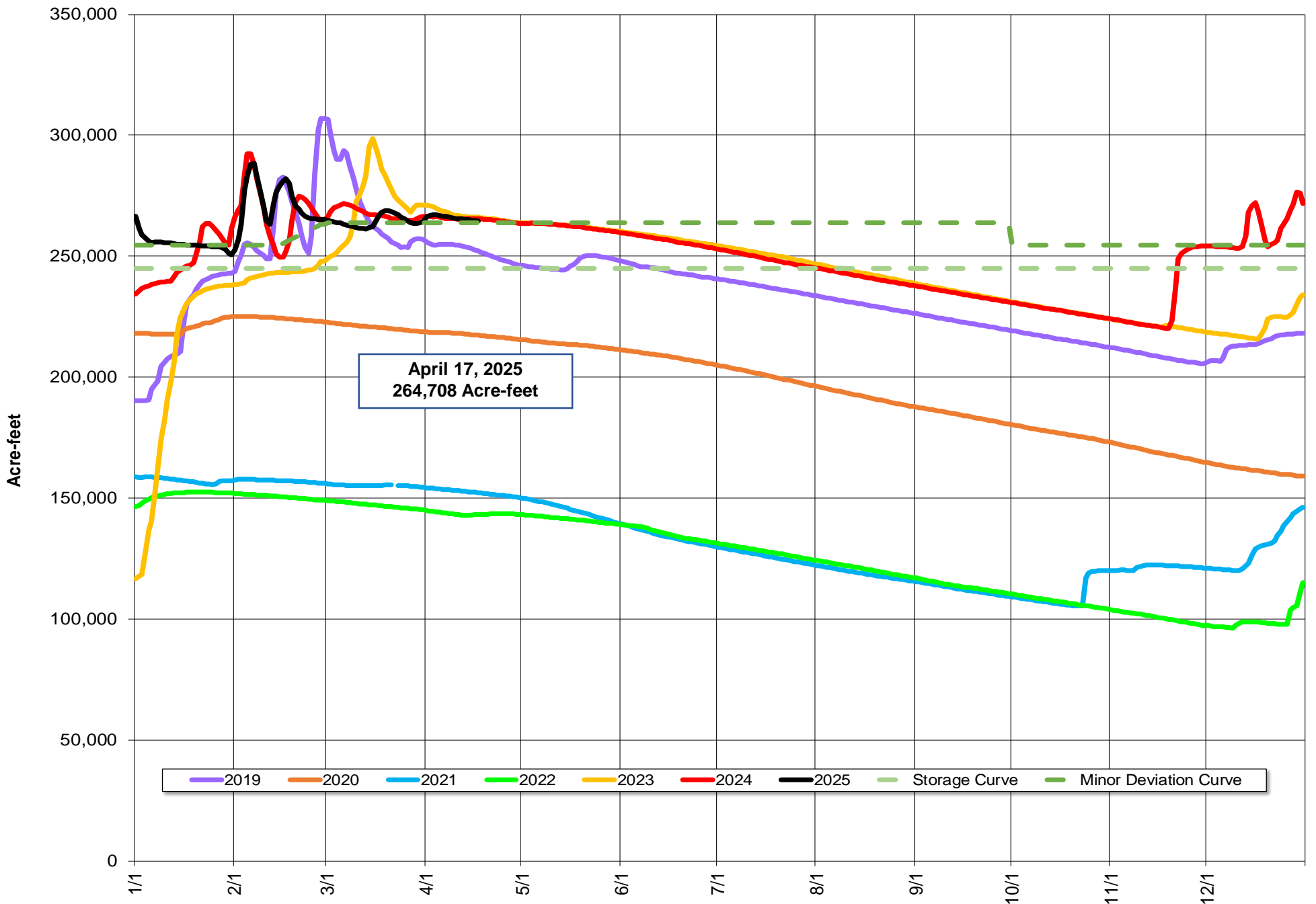
Storage (acre-feet)	April 17, 2025	102,006	
Change in Storage (acre-feet)	Last 30 days	8,521	284
	Last 7 days	394	56
Daily Inflow (cfs)	Last 7 days	Min	149
		Max	192
		Mean	172
Release (cfs)	Last 7 days	Min	126
		Max	129
		Mean	128

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025

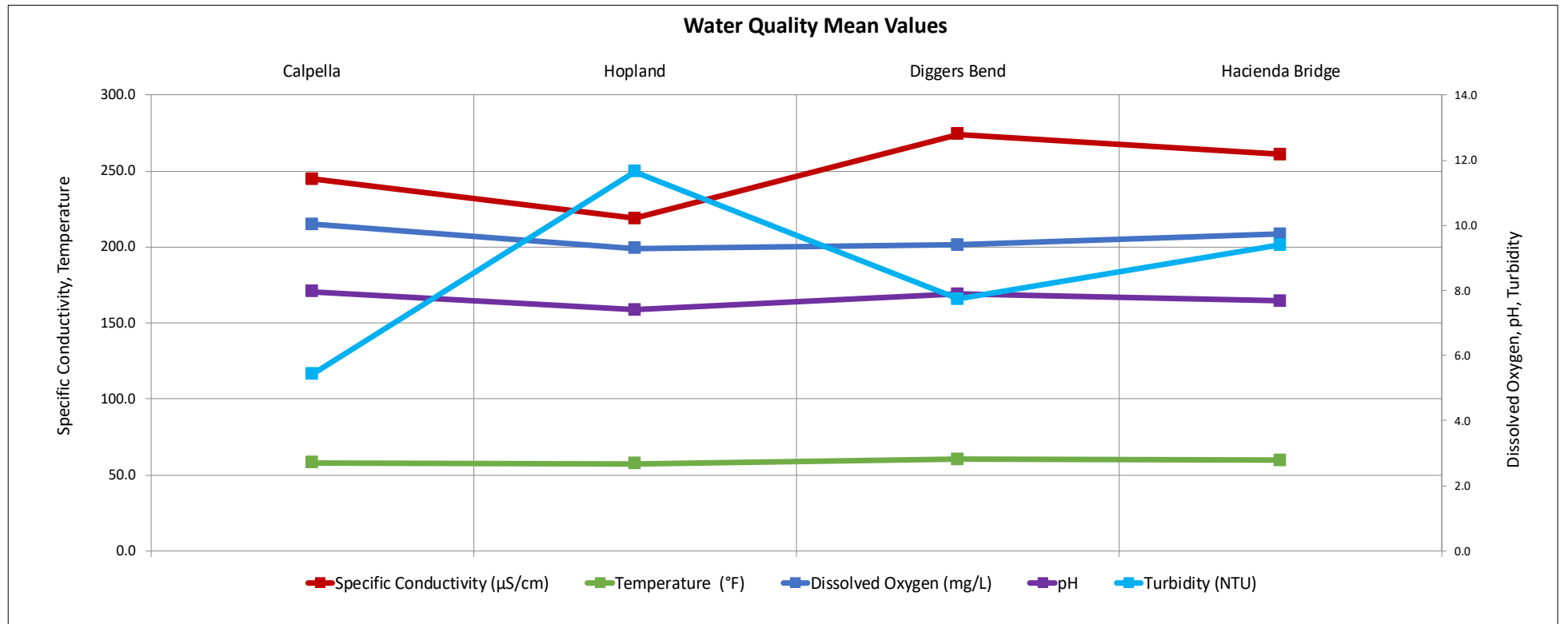


Storage (acre-feet)	April 17, 2025	264,708	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,434	-114
	Last 7 days	-835	-119
Daily Inflow (cfs)	Last 7 days	Min	157
		Max	244
		Mean	190
Release (cfs)	Last 7 days	Min	218
		Max	248
		Mean	242

Russian River Flows (April 11, 2025 - April 17, 2025)

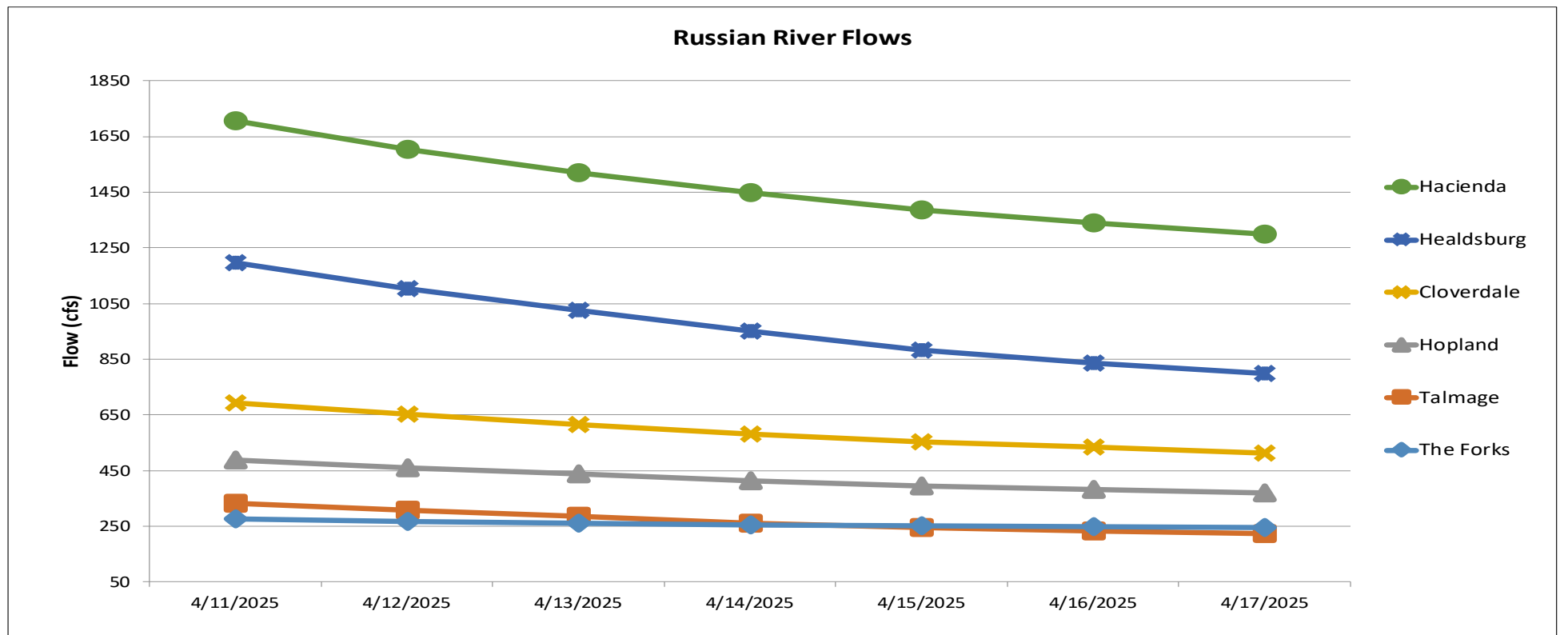
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	54.1	54.7		57.6	58.1		57.2	
	Max	61.0	58.6		62.8	63.0		62.2	
	Mean	57.9	57.3		59.7	60.1		59.6	
Specific Conductivity (µS/cm)	Min	223.0	209.0			259.0		241.0	
	Max	256.0	224.0			284.0		269.0	
	Mean	244.8	218.7			274.1		261.1	
Dissolved Oxygen (mg/L)	Min	9.5	8.9			9.0		9.4	
	Max	10.6	9.7			9.8		10.2	
	Mean	10.0	9.3			9.4		9.7	
Dissolved Oxygen (% Saturation)	Min	94.6	86.9			90.0		93.3	
	Max	105.3	94.8			100.6		101.8	
	Mean	98.2	90.3			94.5		97.2	
pH	Min	7.9	7.4			7.6		7.5	
	Max	8.1	7.4			8.0		7.7	
	Mean	8.0	7.4			7.9		7.7	
Turbidity (NTU)	Min	3.5	10.2			5.8		6.7	
	Max	10.2	13.4			10.5		13.8	
	Mean	5.4	11.6			7.7		9.4	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Apr 11, 2025	Apr 12, 2025	Apr 13, 2025	Apr 14, 2025	Apr 15, 2025	Apr 16, 2025	Apr 17, 2025
The Forks*	277	266	261	255	252	248	244
Talmage USGS 11462080	332	309	285	260	244	234	224
Hopland USGS 11462500	488	460	437	414	395	382	369
Cloverdale USGS 11463000	694	651	616	581	552	533	513
Healdsburg USGS 11464000	1197	1103	1025	950	882	836	797
Hacienda USGS 11467000	1708	1604	1521	1449	1388	1340	1299

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

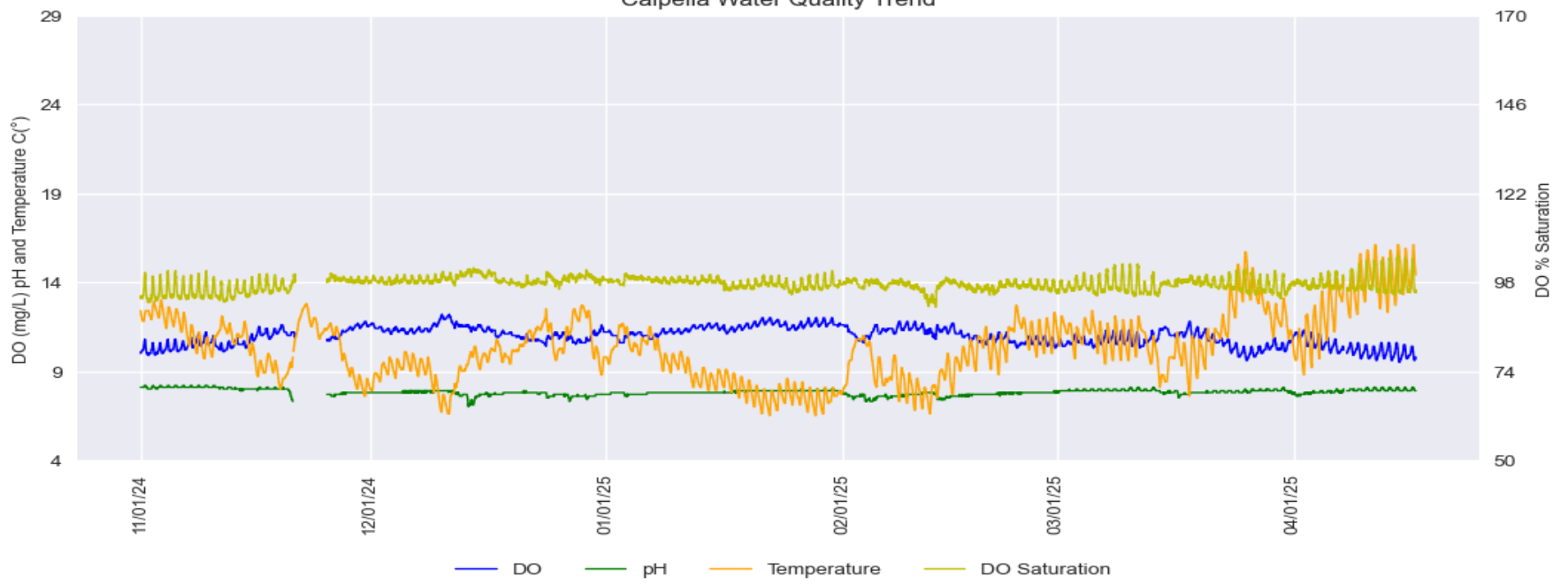


Russian River Water Quality November 1, 2024 – April 17, 2025

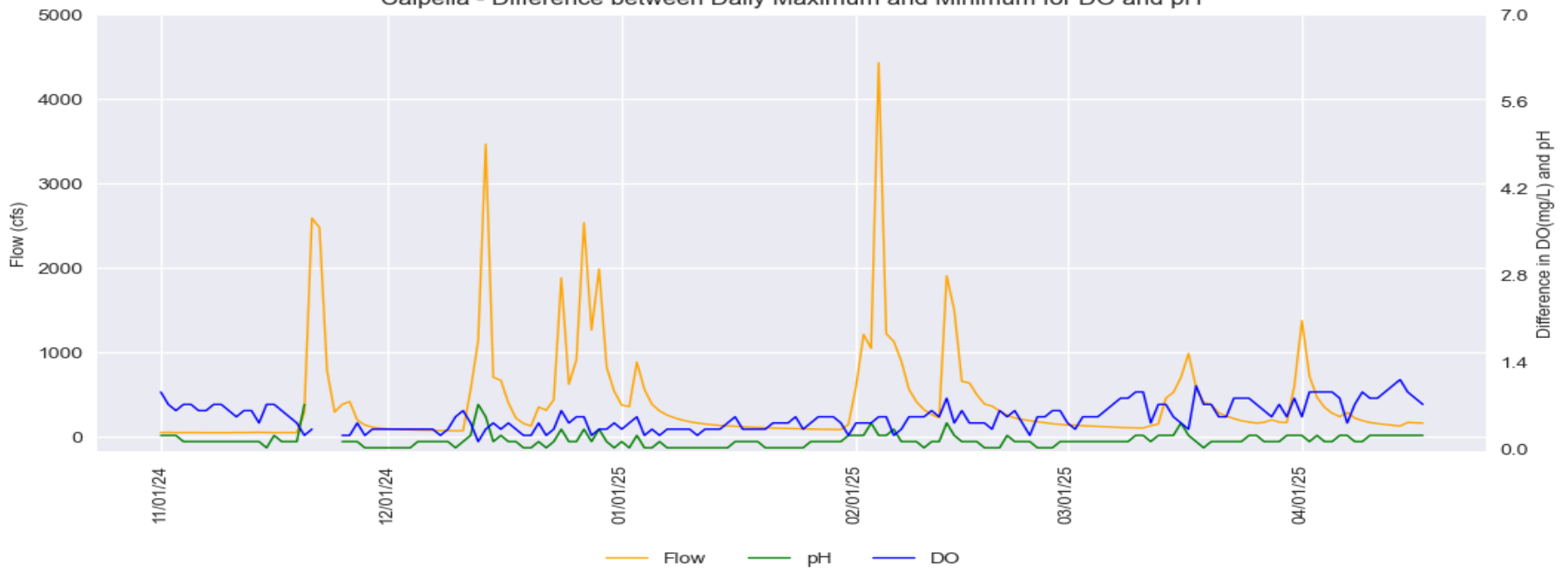
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

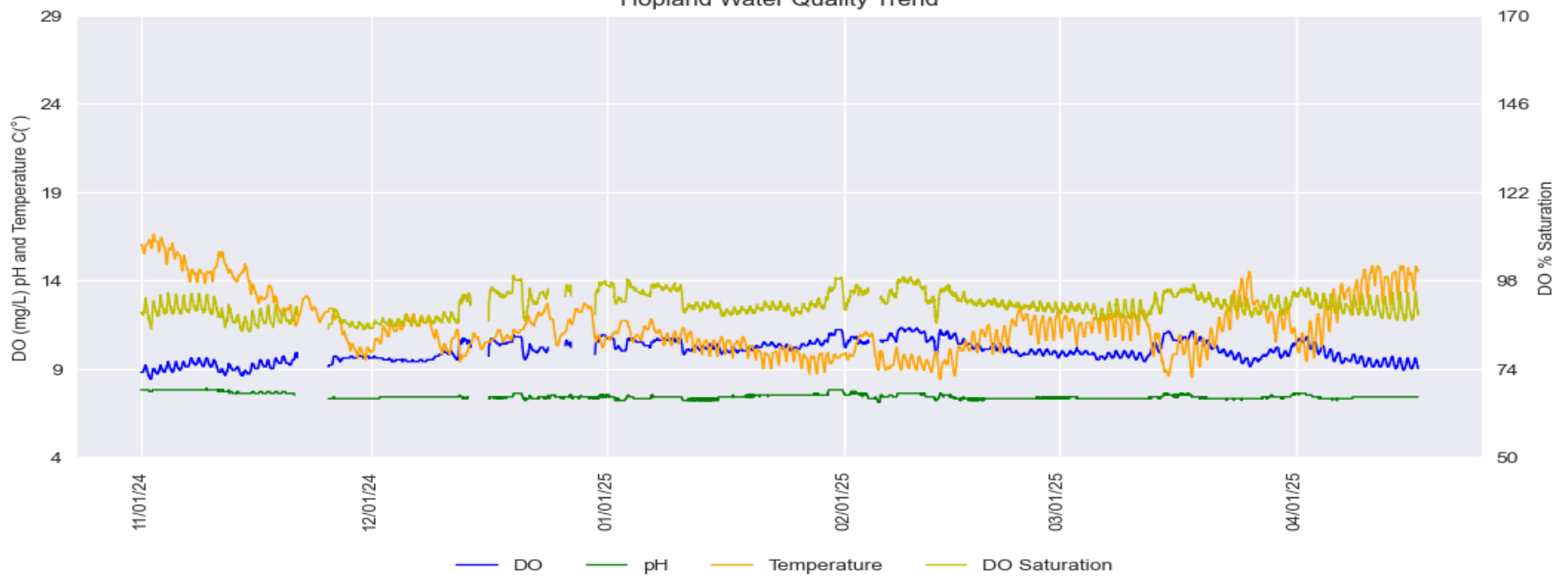


Calpella - Difference between Daily Maximum and Minimum for DO and pH

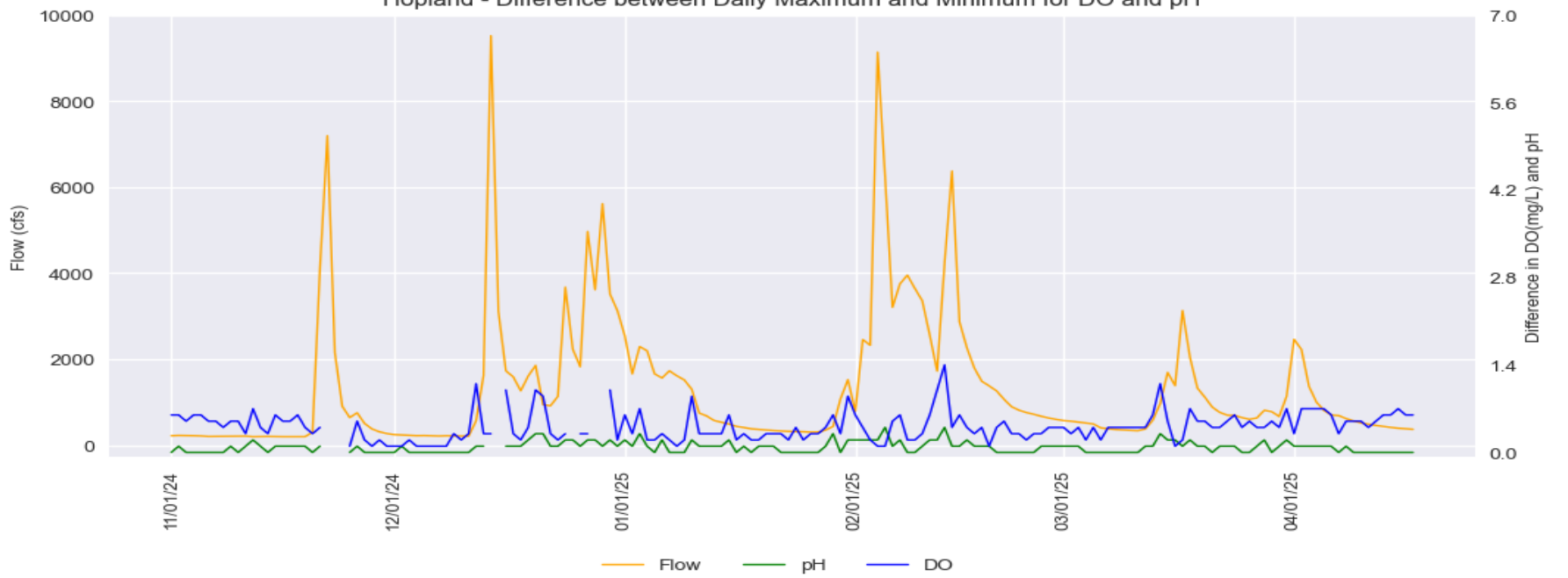


Hopland

Hopland Water Quality Trend



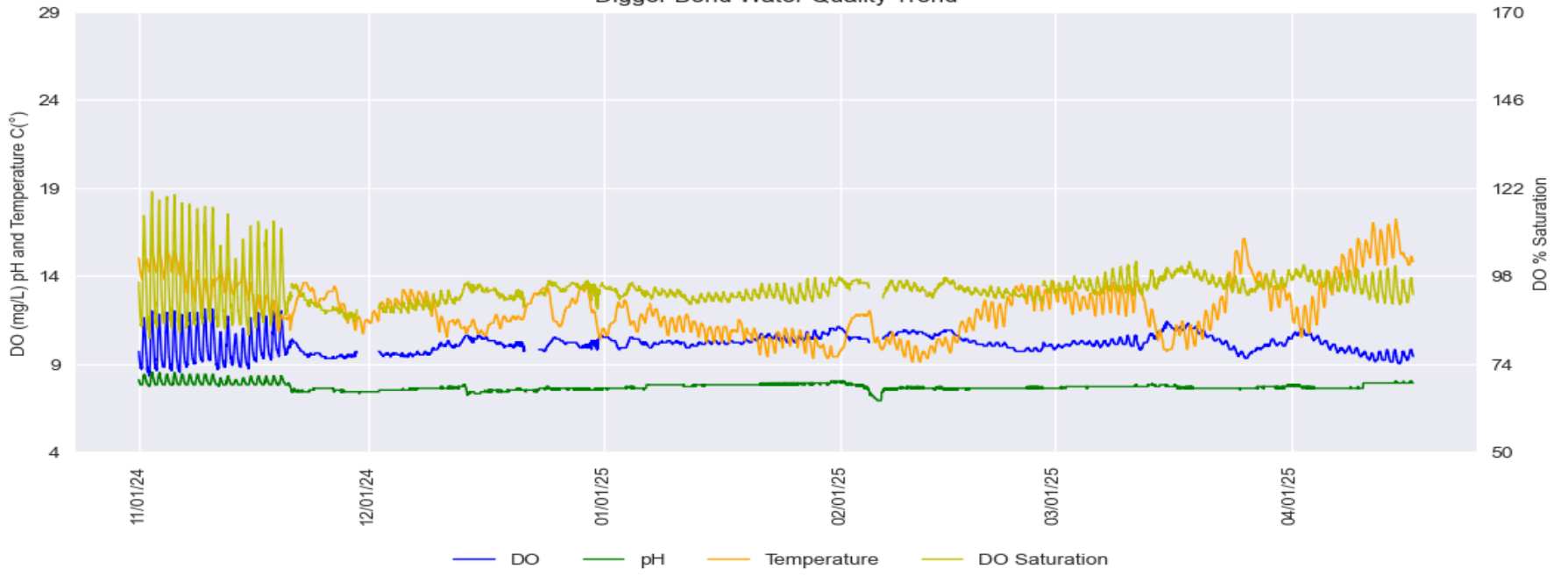
Hopland - Difference between Daily Maximum and Minimum for DO and pH



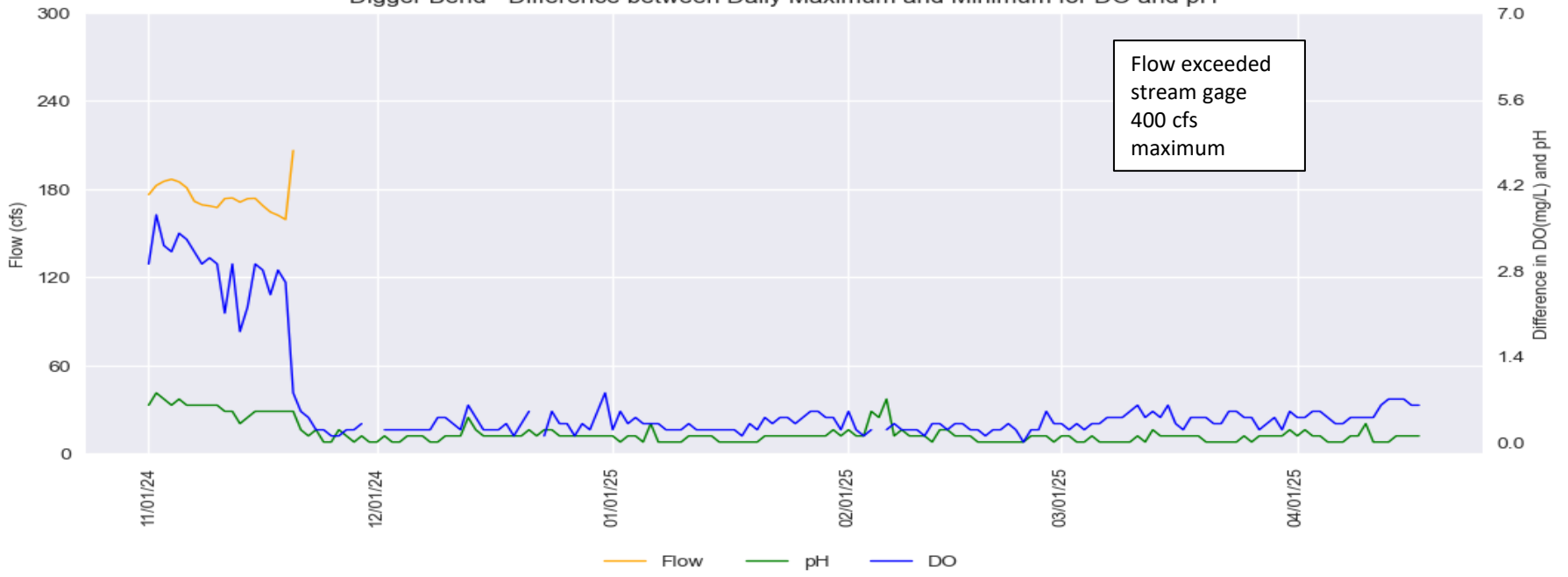
Russian River Water Quality November 1, 2024 – April 17, 2025

Provisional Data Subject to Revision
Digger Bend

Digger Bend Water Quality Trend

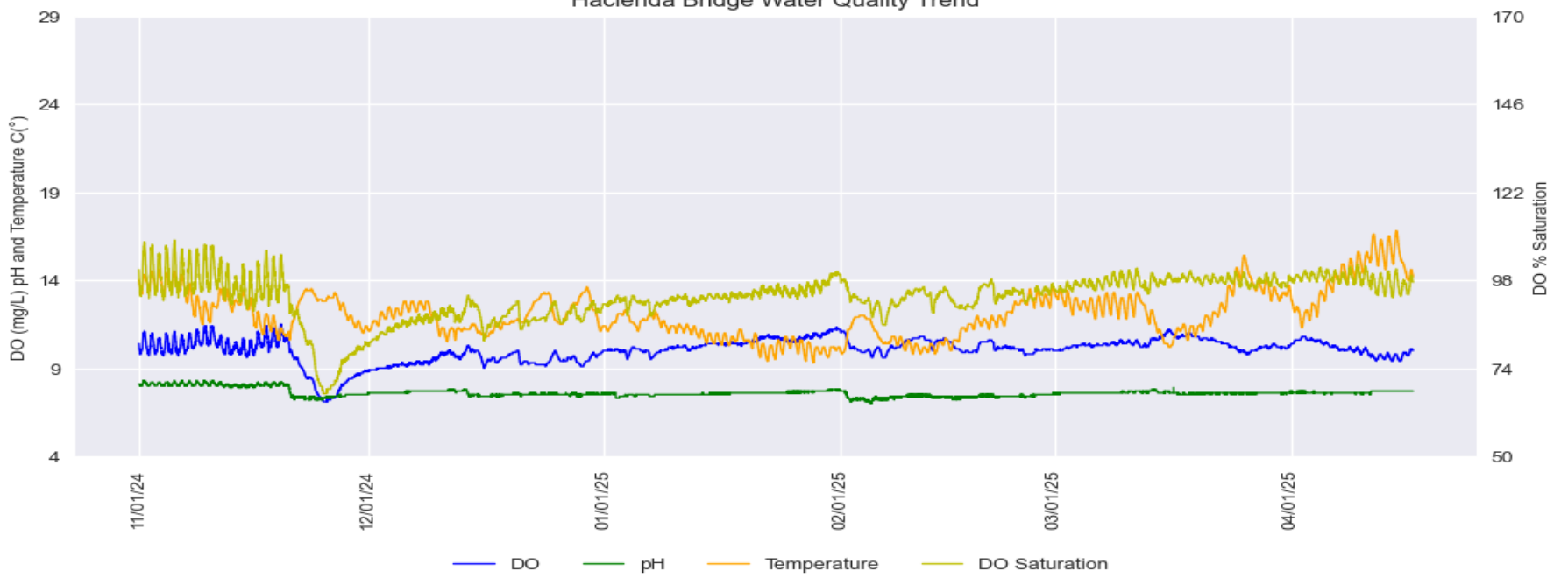


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

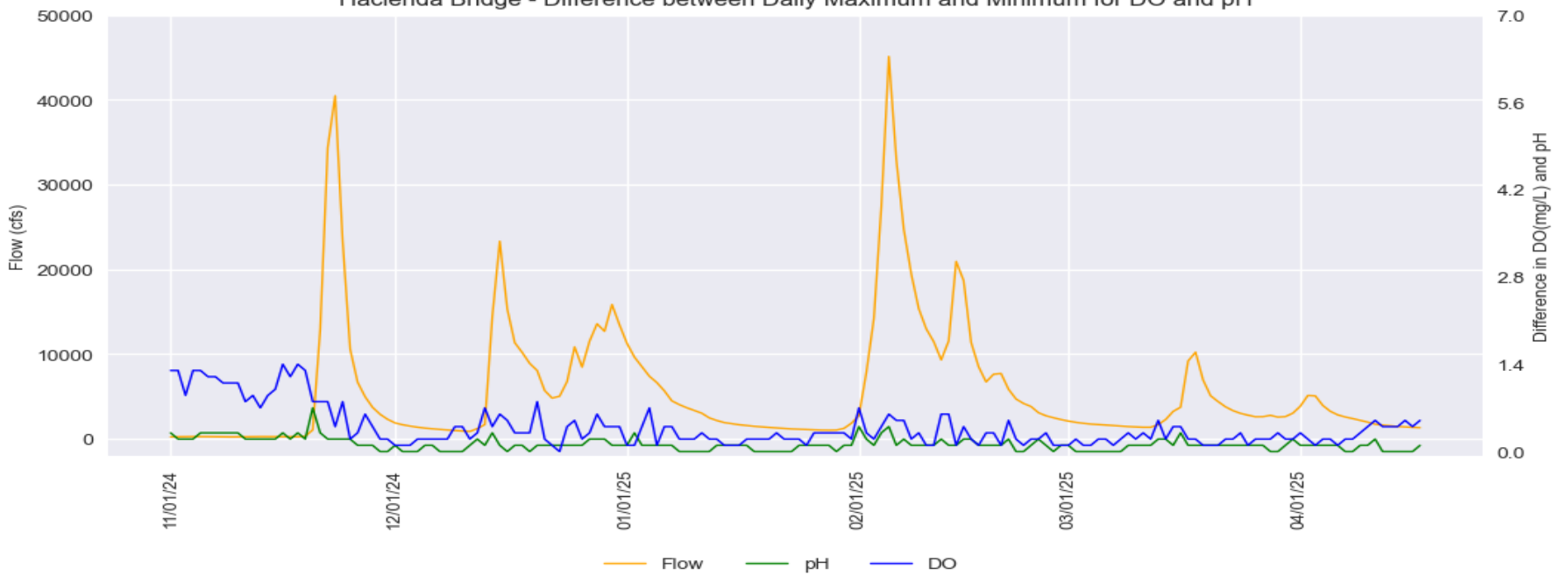


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

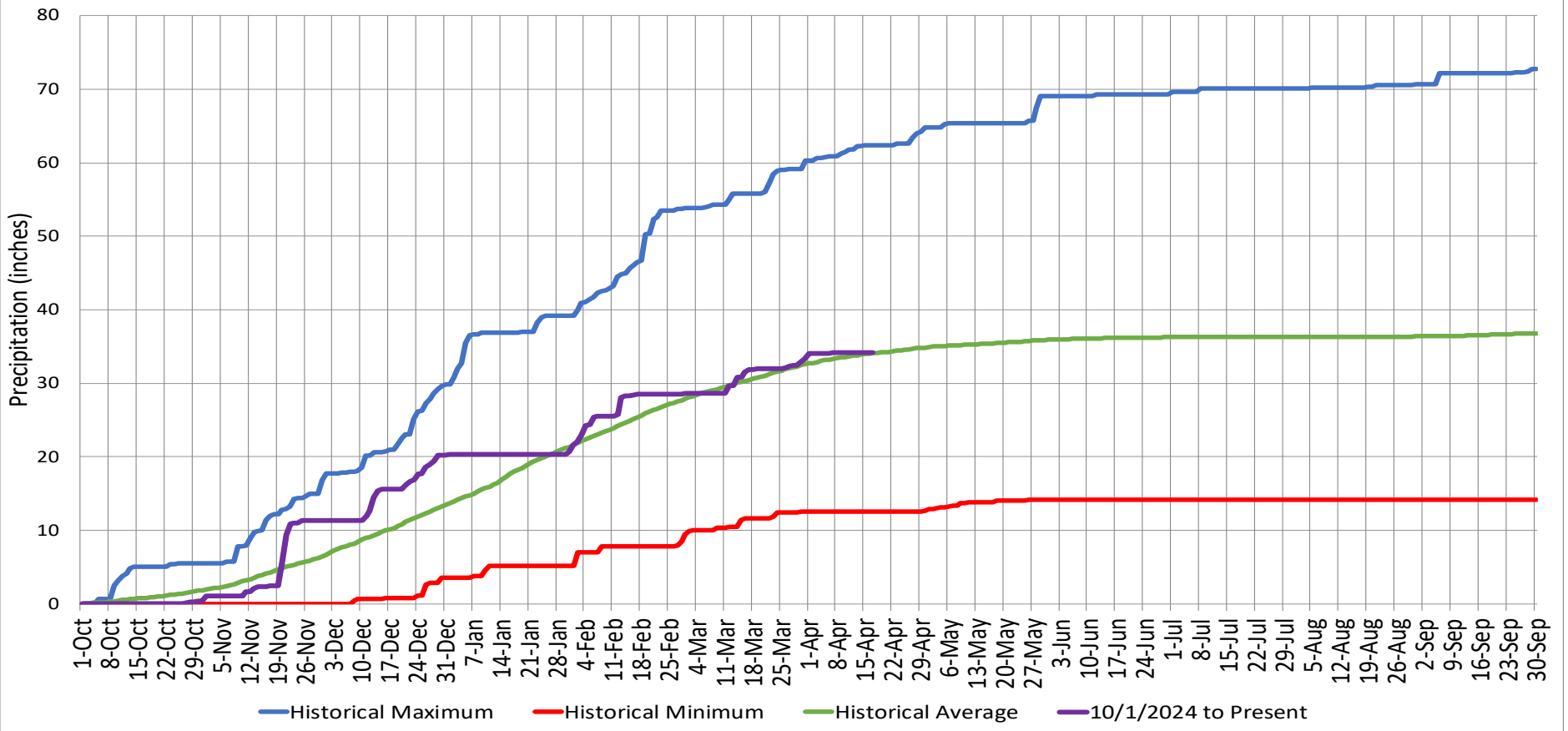


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

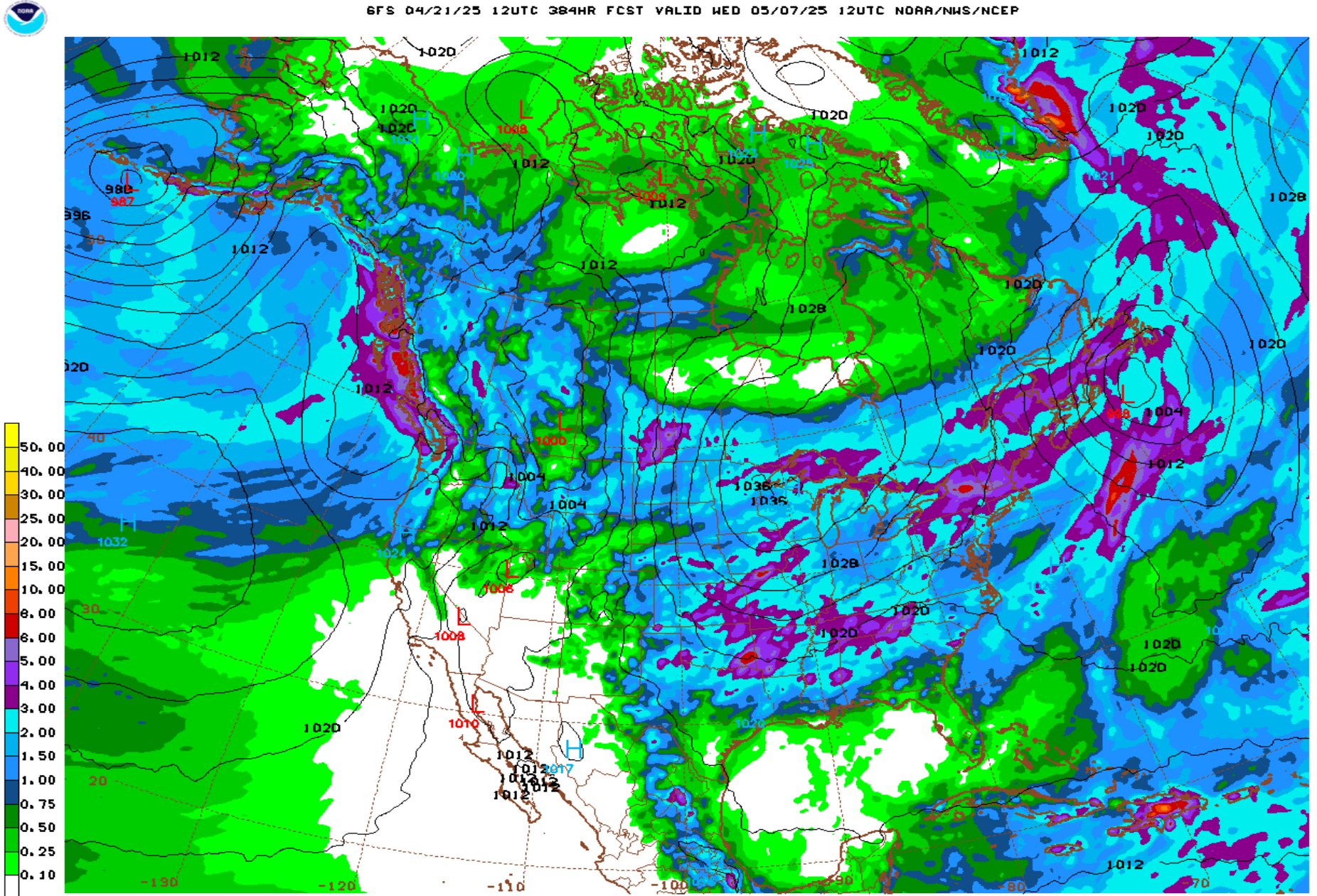
Date Range	Cumulative (inches)
Oct 1, 2024 - Apr 17, 2025	34.18
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 04/21/25 12UTC 384HR FCST VALID WED 05/07/25 12UTC NOAA/NWS/NCEP



6FS WED 250507/1200V384 ENSL (4MB), 384HR ACCUMULATED PRECIP (IN)
 Date Range: Apr 21 - May 7, 2025
 Forecasted Cumulative (inches): **0.21**

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.