



Sonoma
Water

State Water Resources Control Board
Temporary Urgency Change Orders (10/31/2024)
Russian River Hydrologic & Water Quality Report
April 18, 2025 - April 24, 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).

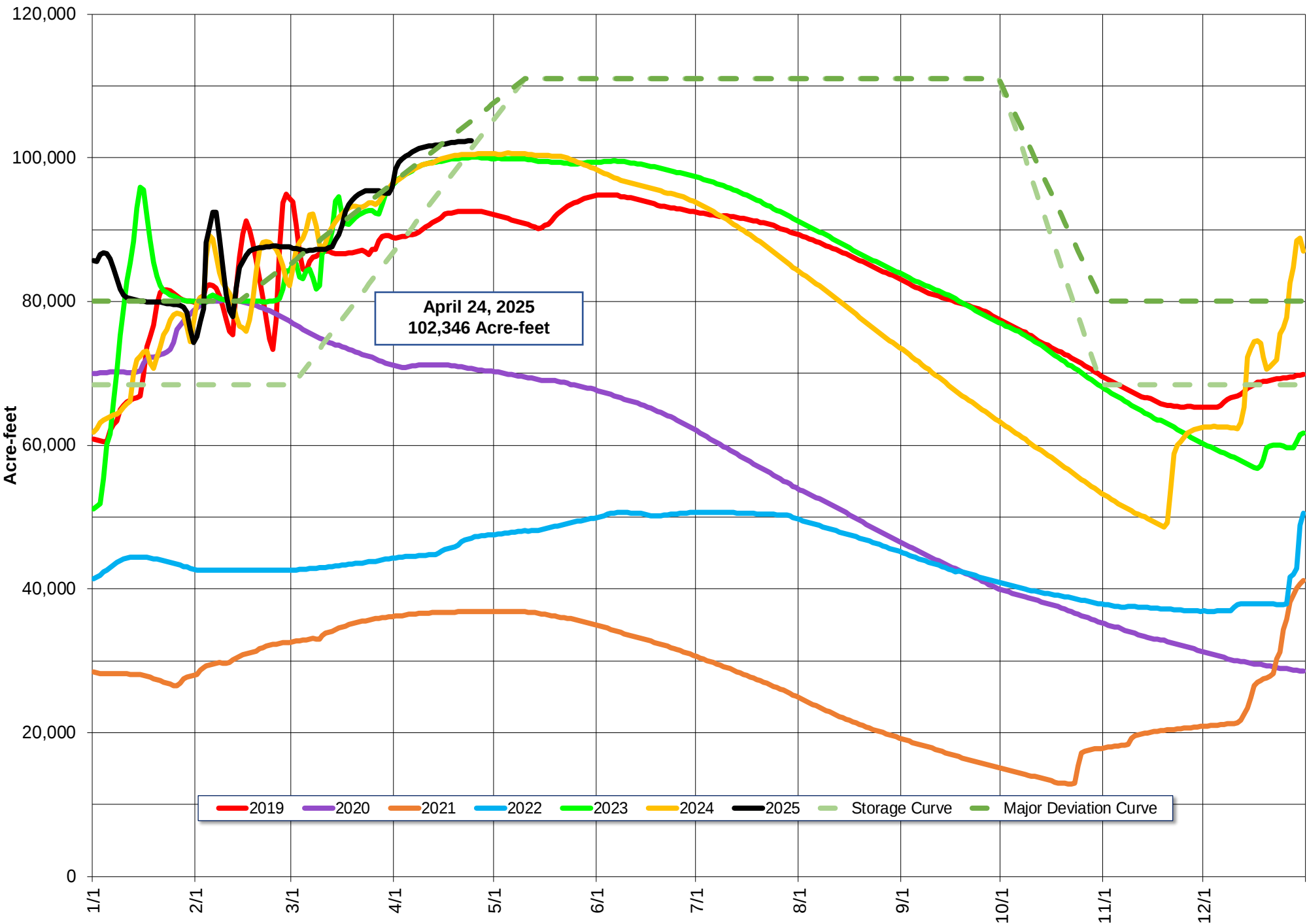
Instream Flow Requirements as of April 24, 2025

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

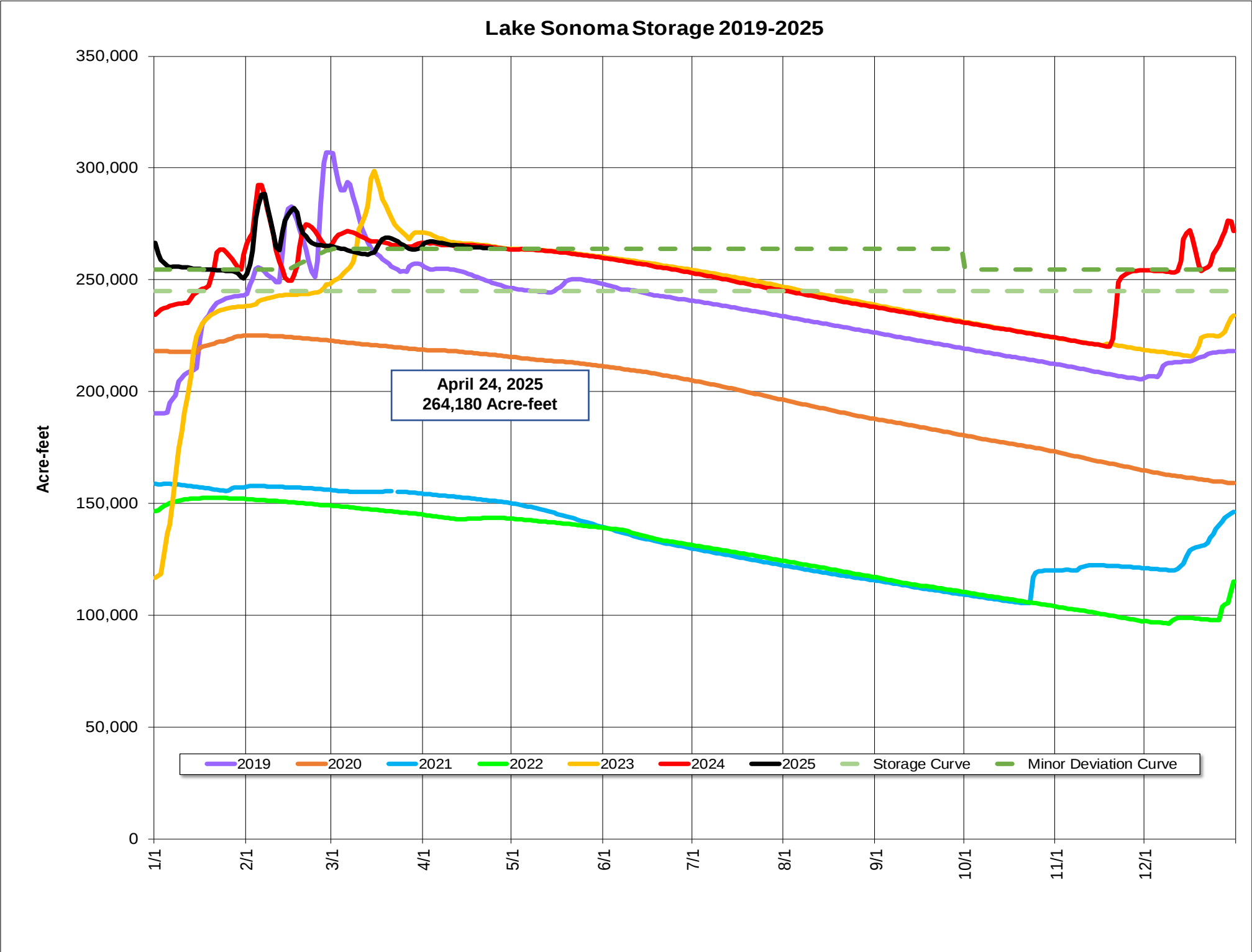
Lake Mendocino Storage 2019 - 2025 and Storage Curve



Storage (acre-feet)	April 24, 2025	102,346	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	6,932	231
	Last 7 days	251	36
Daily Inflow (cfs)	Last 7 days	Min	143
		Max	183
		Mean	163
Release (cfs)	Last 7 days	Min	129
		Max	130
		Mean	129



Todd Schram, February 10 , 2024



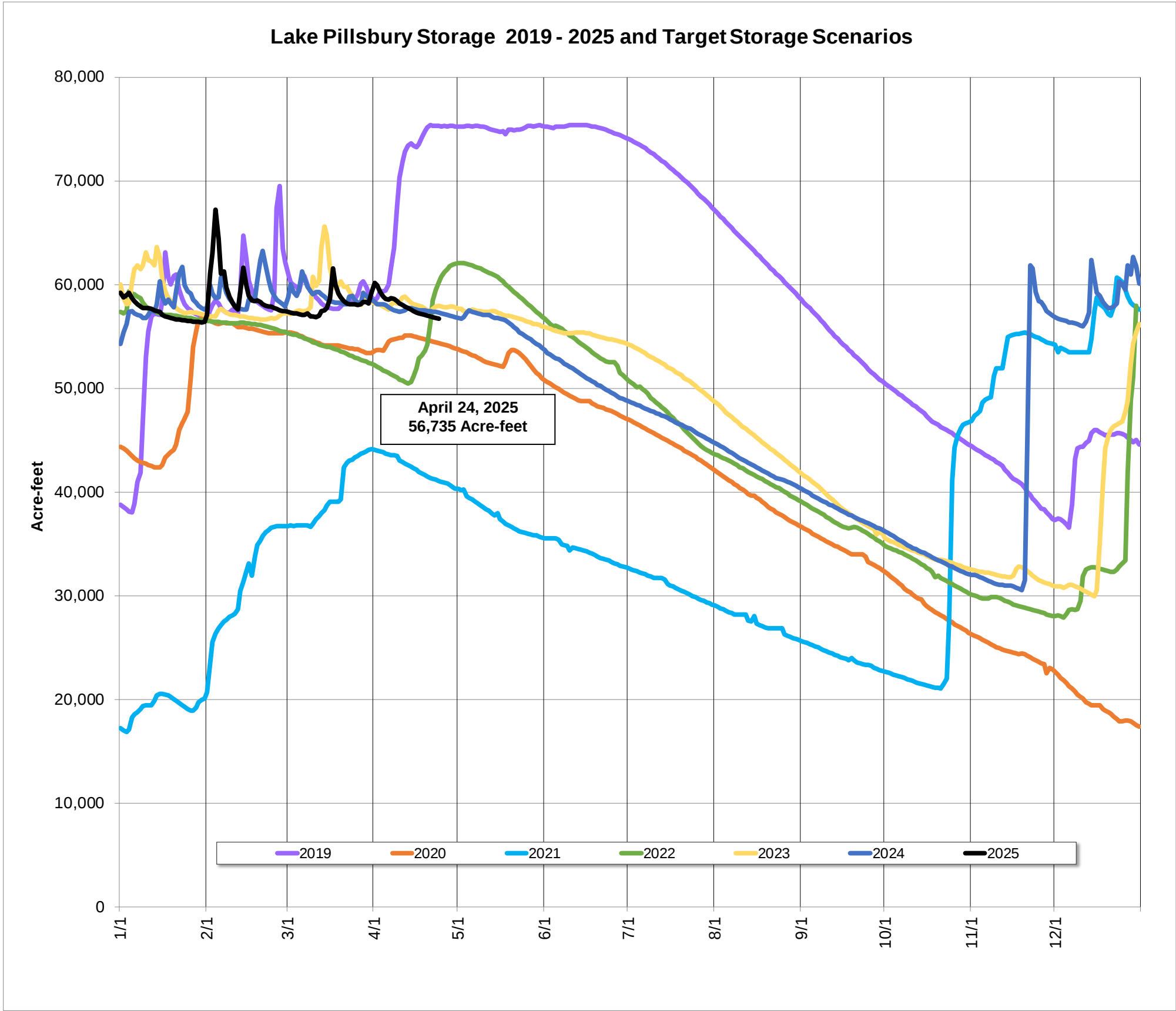
Storage (acre-feet)	April 24, 2025	264,180	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-1,252	-42
	Last 7 days	-445	-64
Daily Inflow (cfs)	Last 7 days	Min	85
		Max	139
		Mean	110
Release (cfs)	Last 7 days	Min	106
		Max	170
		Mean	137

Potter Valley Project

PVP Diversion (cfs)	April 24, 2025	90
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2024 - April 24, 2025	580,758	2,819
	Last 7 days	6,558	937

*Inflow calculation based on criteria established in D1610

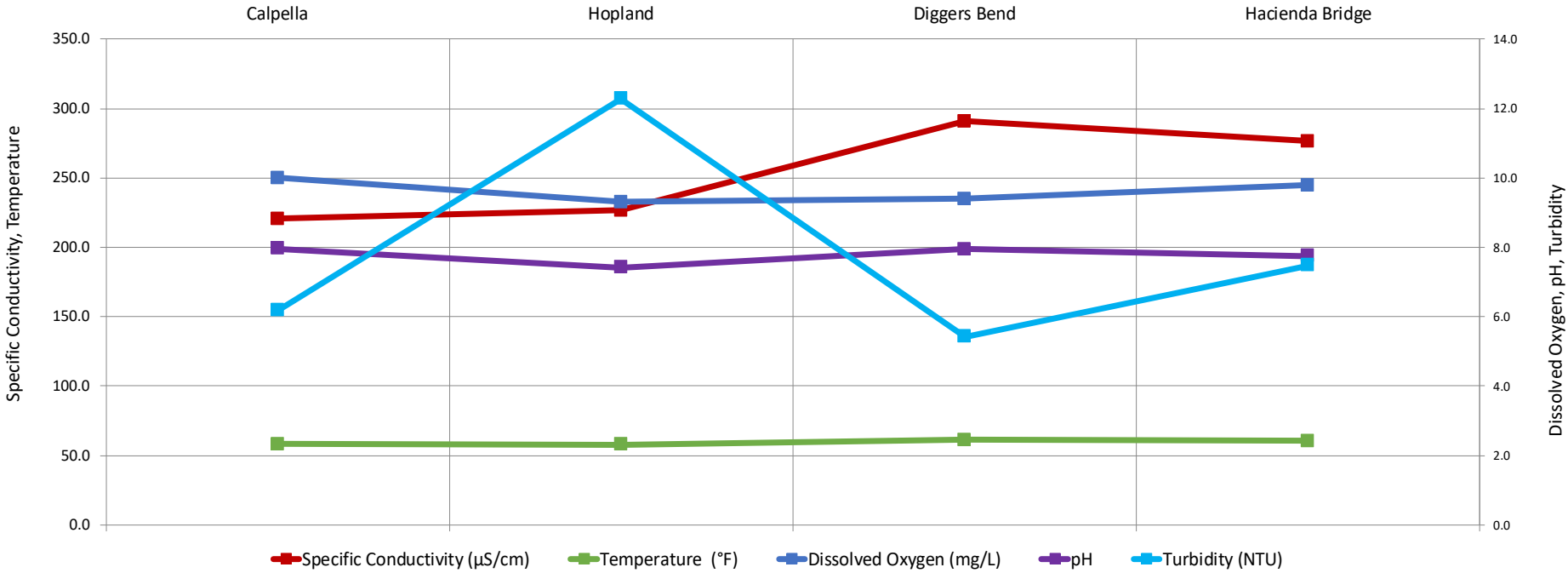


Russian River Flows (April 18, 2025 - April 24, 2025)

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	55.0	55.6		57.9	57.9		57.0	
	Max	61.7	59.7		64.8	65.1		64.0	
	Mean	58.2	57.8		60.9	61.1		60.4	
Specific Conductivity (µS/cm)	Min	215.0	224.0			284.0		268.0	
	Max	227.0	228.0			297.0		285.0	
	Mean	220.6	226.7			290.9		276.7	
Dissolved Oxygen (mg/L)	Min	9.5	8.9			8.7		9.0	
	Max	10.5	10.0			10.2		10.6	
	Mean	10.0	9.3			9.4		9.8	
Dissolved Oxygen (% Saturation)	Min	94.4	85.9			88.5		91.0	
	Max	105.4	99.0			106.7		111.3	
	Mean	98.2	90.9			95.7		98.9	
pH	Min	7.8	7.4			7.9		7.7	
	Max	8.1	7.5			8.1		7.9	
	Mean	8.0	7.4			7.9		7.8	
Turbidity (NTU)	Min	5.1	11.0			3.6		5.9	
	Max	7.6	14.2			7.6		8.9	
	Mean	6.2	12.3			5.4		7.5	

*Station operated seasonally

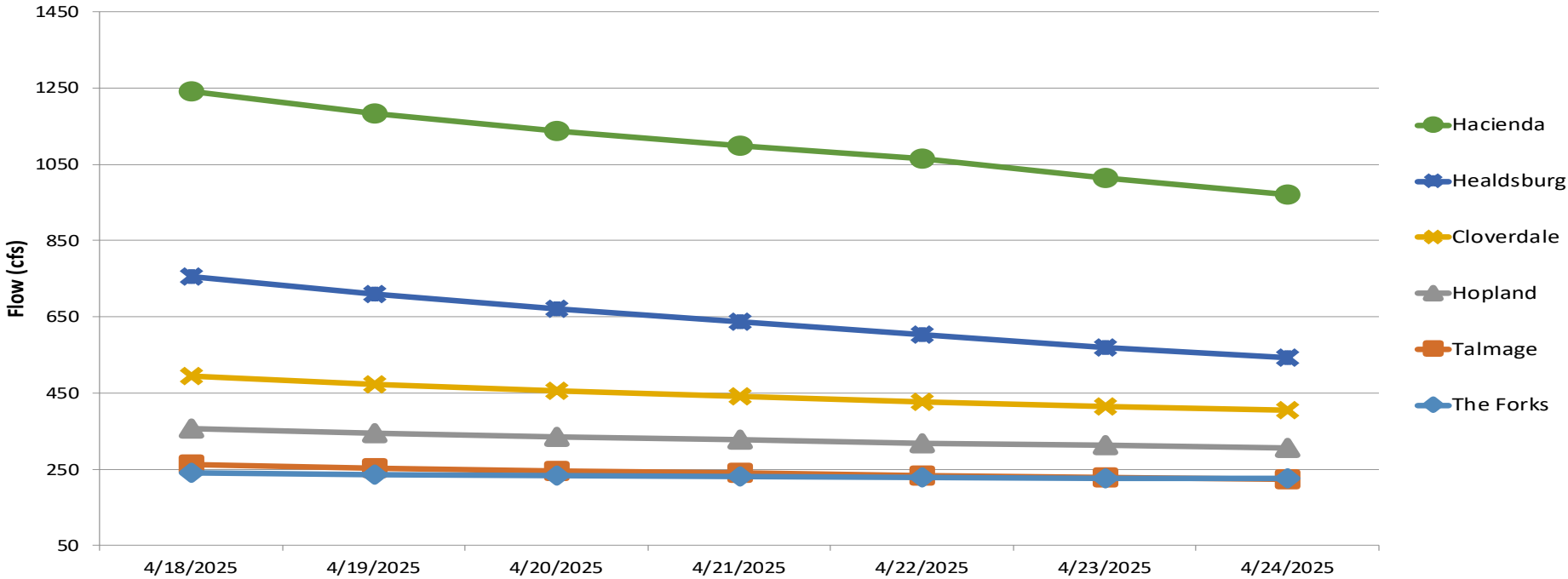
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Apr 18, 2025	Apr 19, 2025	Apr 20, 2025	Apr 21, 2025	Apr 22, 2025	Apr 23, 2025	Apr 24, 2025
The Forks*	241	237	233	230	228	226	226
Talmage USGS 11462080	262	253	246	239	233	228	224
Hopland USGS 11462500	357	345	335	327	319	312	307
Cloverdale USGS 11463000	494	474	456	441	427	415	405
Healdsburg USGS 11464000	756	710	671	637	603	571	544
Hacienda USGS 11467000	1241	1183	1138	1100	1065	1015	971

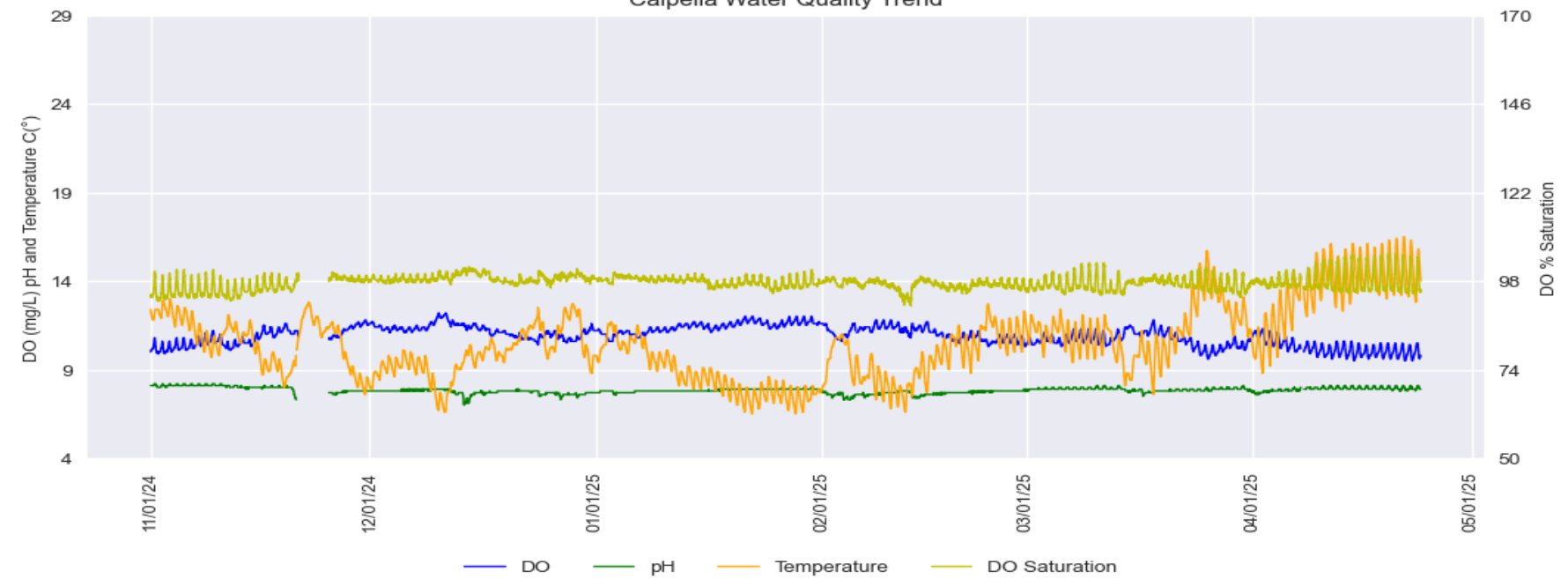
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

Russian River Flows

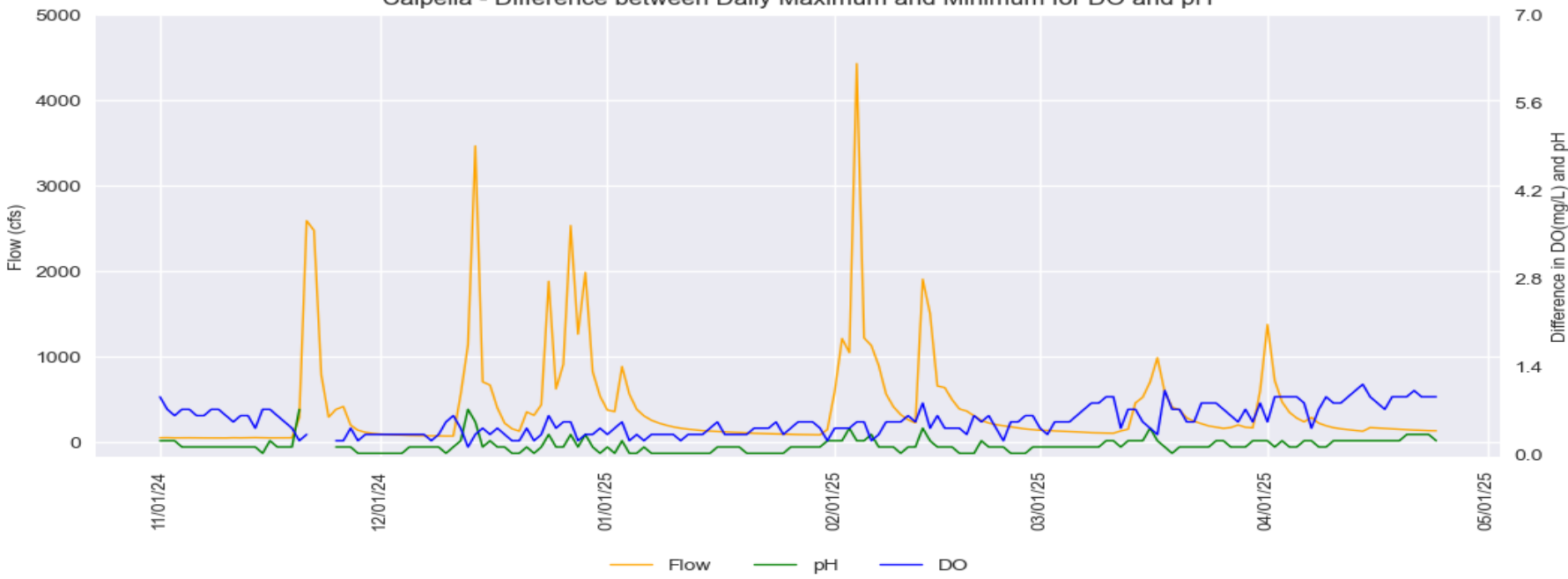


Russian River Water Quality November 1, 2024 – April 24, 2025
Provisional Data Subject to Revision
Calpella

Calpella Water Quality Trend

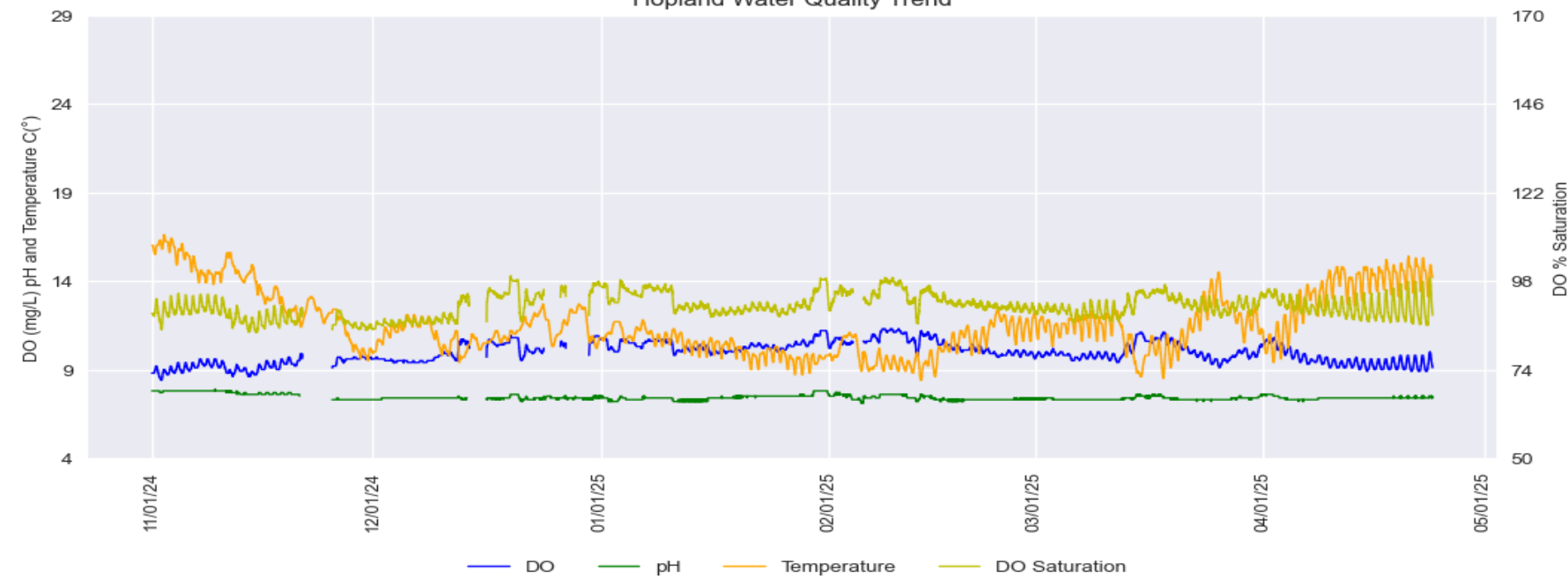


Calpella - Difference between Daily Maximum and Minimum for DO and pH

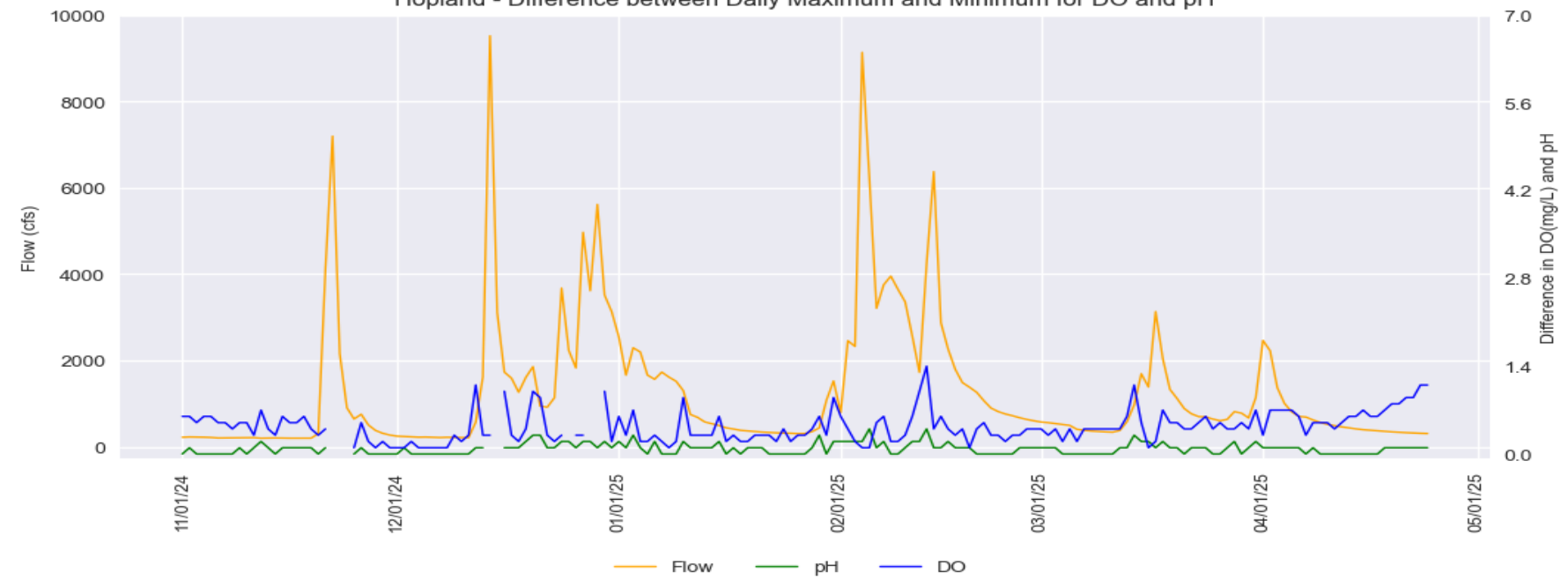


Hopland

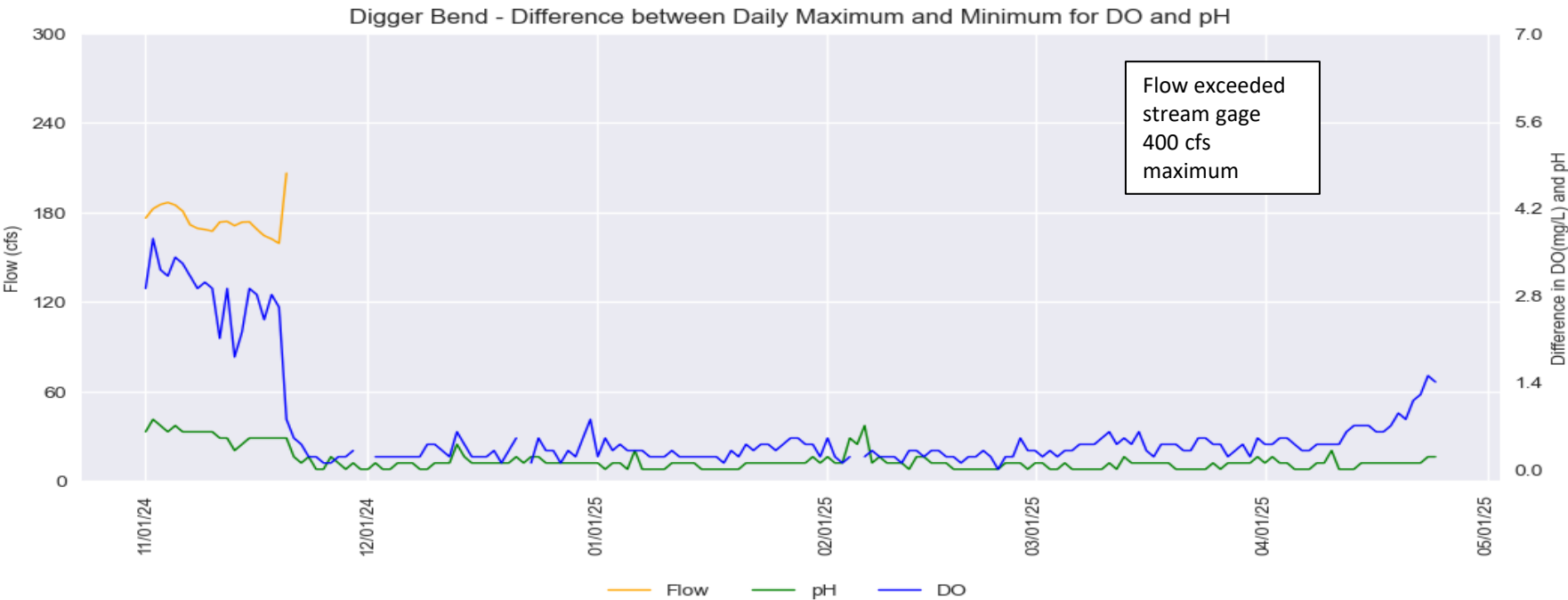
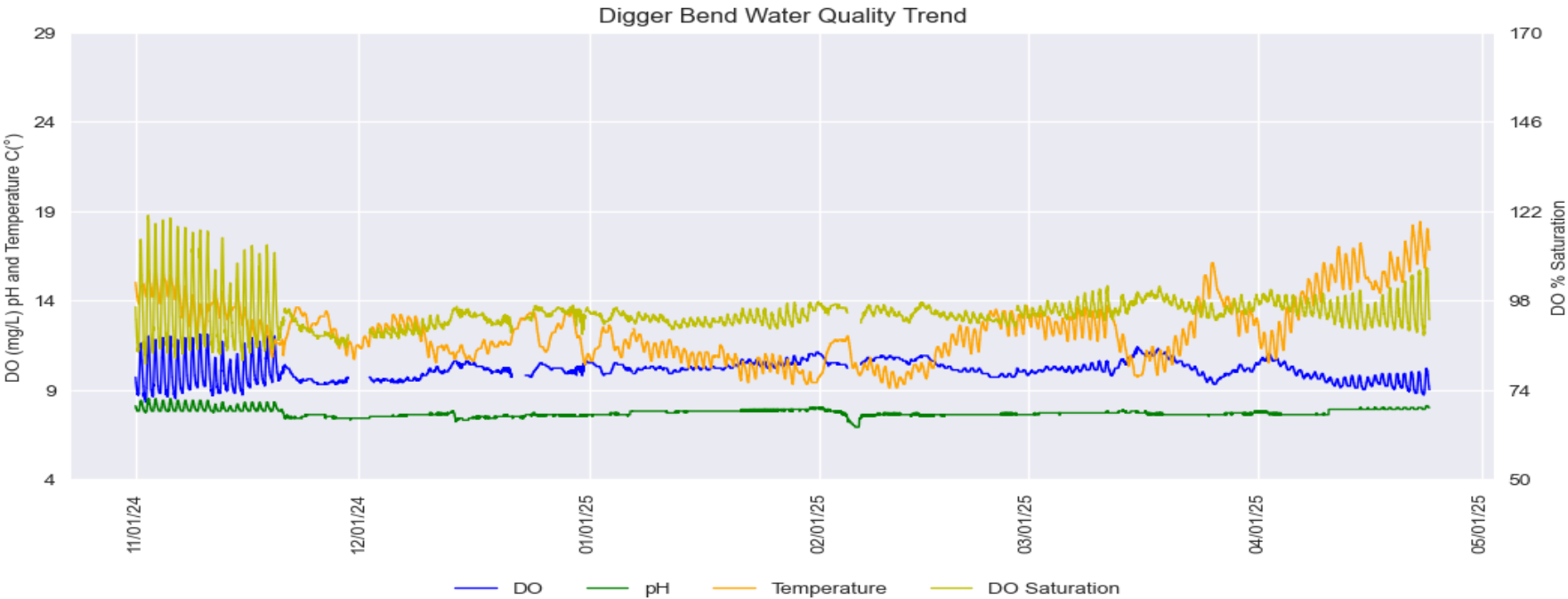
Hopland Water Quality Trend



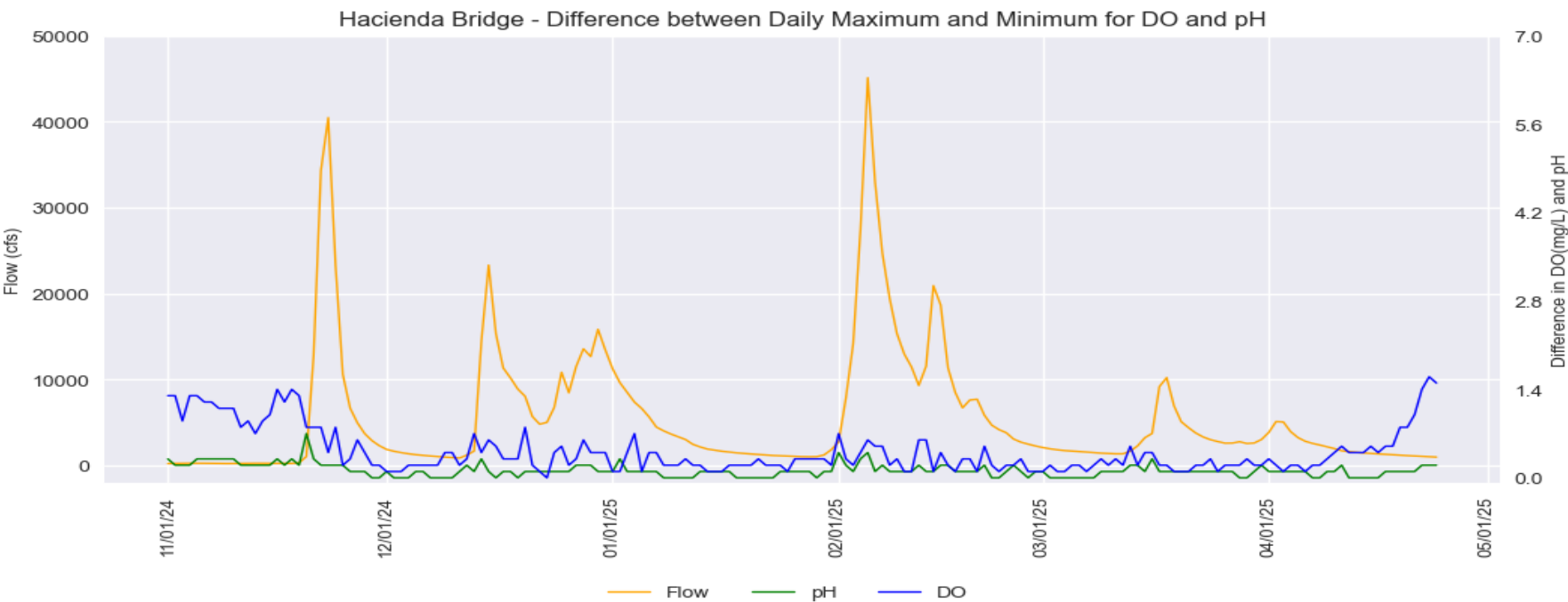
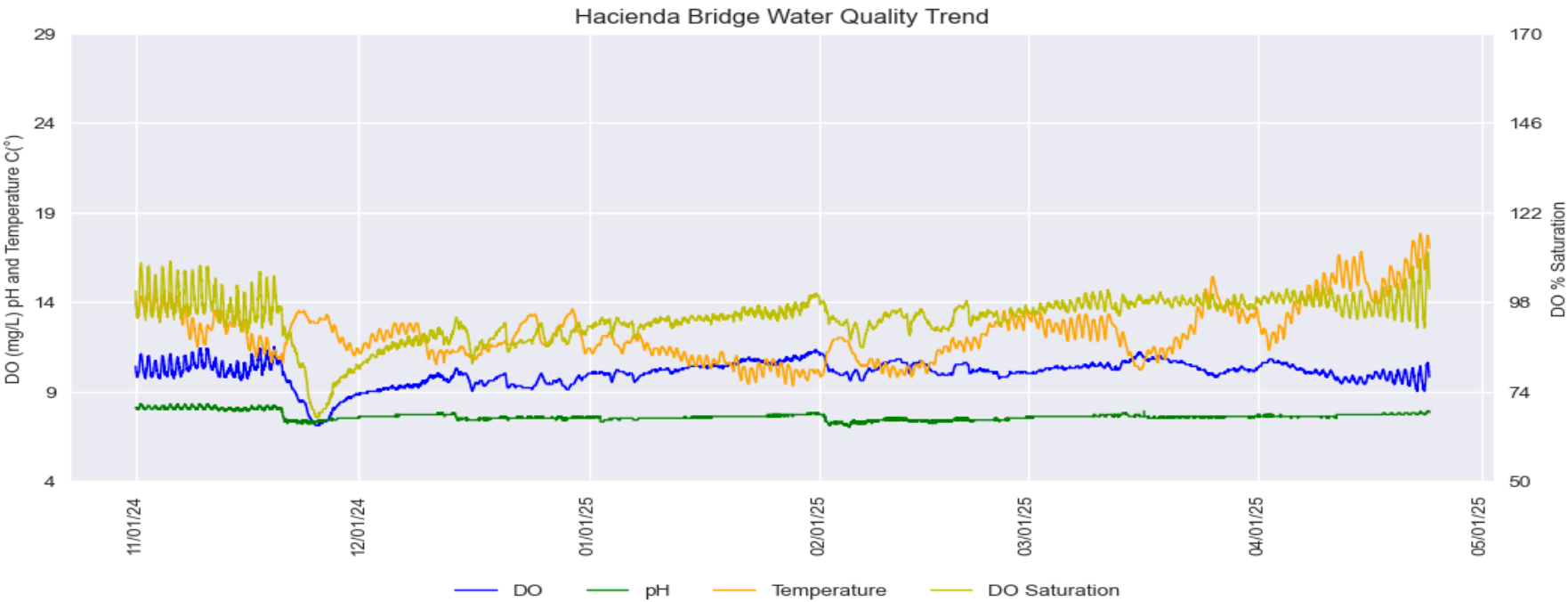
Hopland - Difference between Daily Maximum and Minimum for DO and pH



Russian River Water Quality November 1, 2024 – April 24, 2025
Provisional Data Subject to Revision
Digger Bend



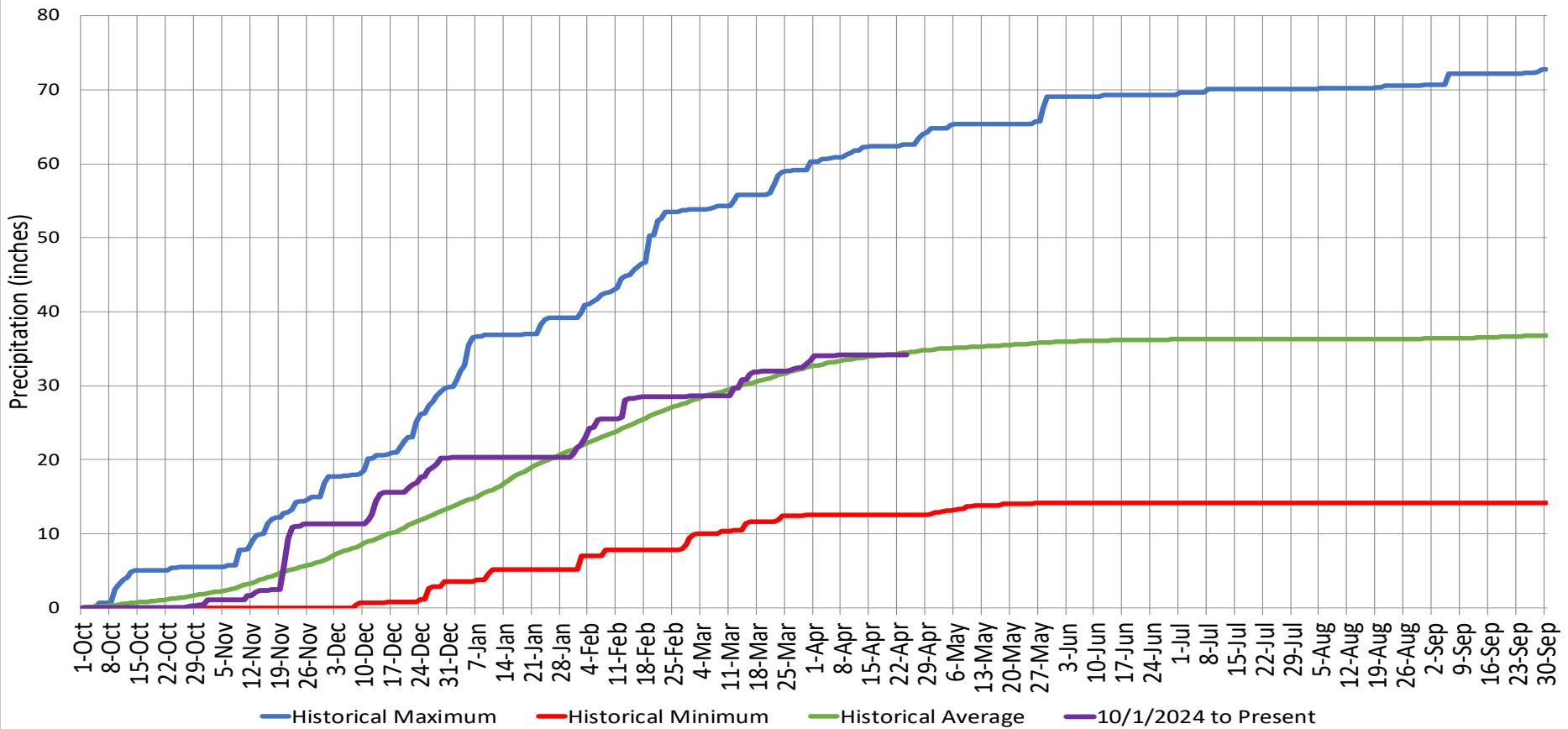
Hacienda Bridge



Precipitation

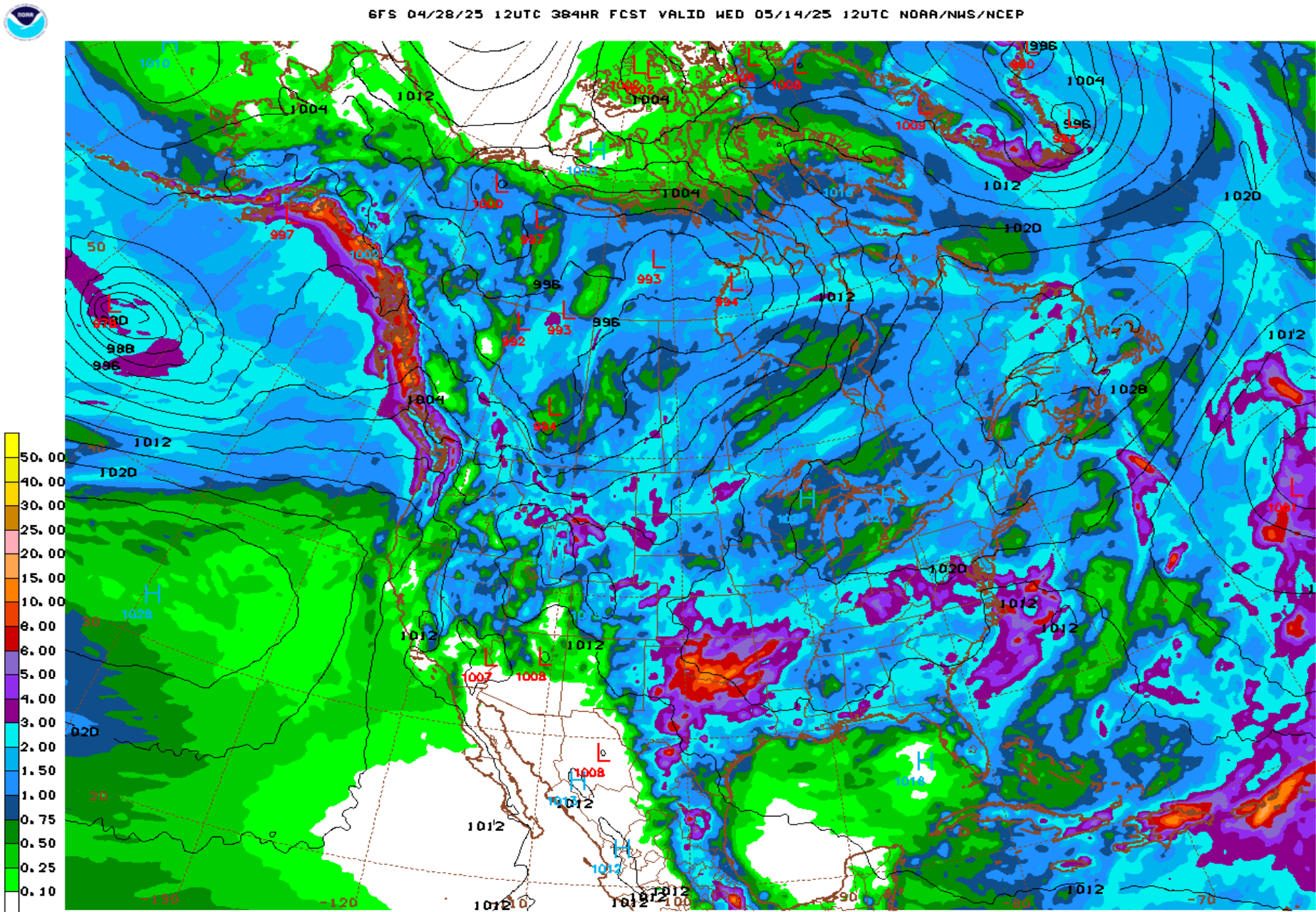
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2024 - Apr 24, 2025	34.18
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 04/28/25 12UTC 384HR FCST VALID WED 05/14/25 12UTC NOAA/NWS/NCEP



6FS WED 250514/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Apr 28 - May 14, 2025	0.13

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.