



Sonoma
Water

State Water Resources Control Board
Temporary Urgency Change Orders (10/31/2024)
Russian River Hydrologic & Water Quality Report
April 25, 2025 - May 1, 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).

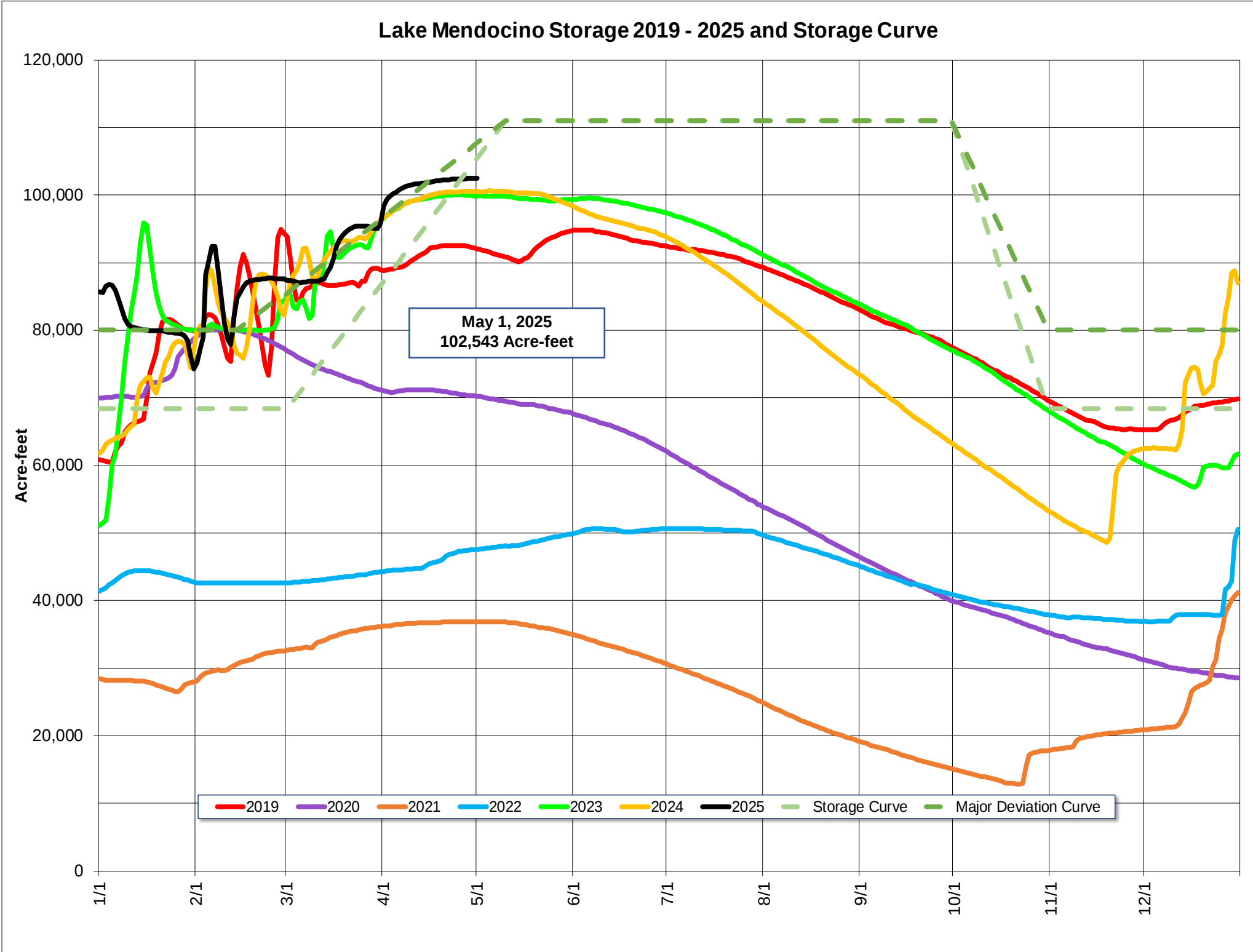
Instream Flow Requirements as of May 1, 2025

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	185	-
Modified Per Order: Normal Condition	Dry Creek	80	-
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

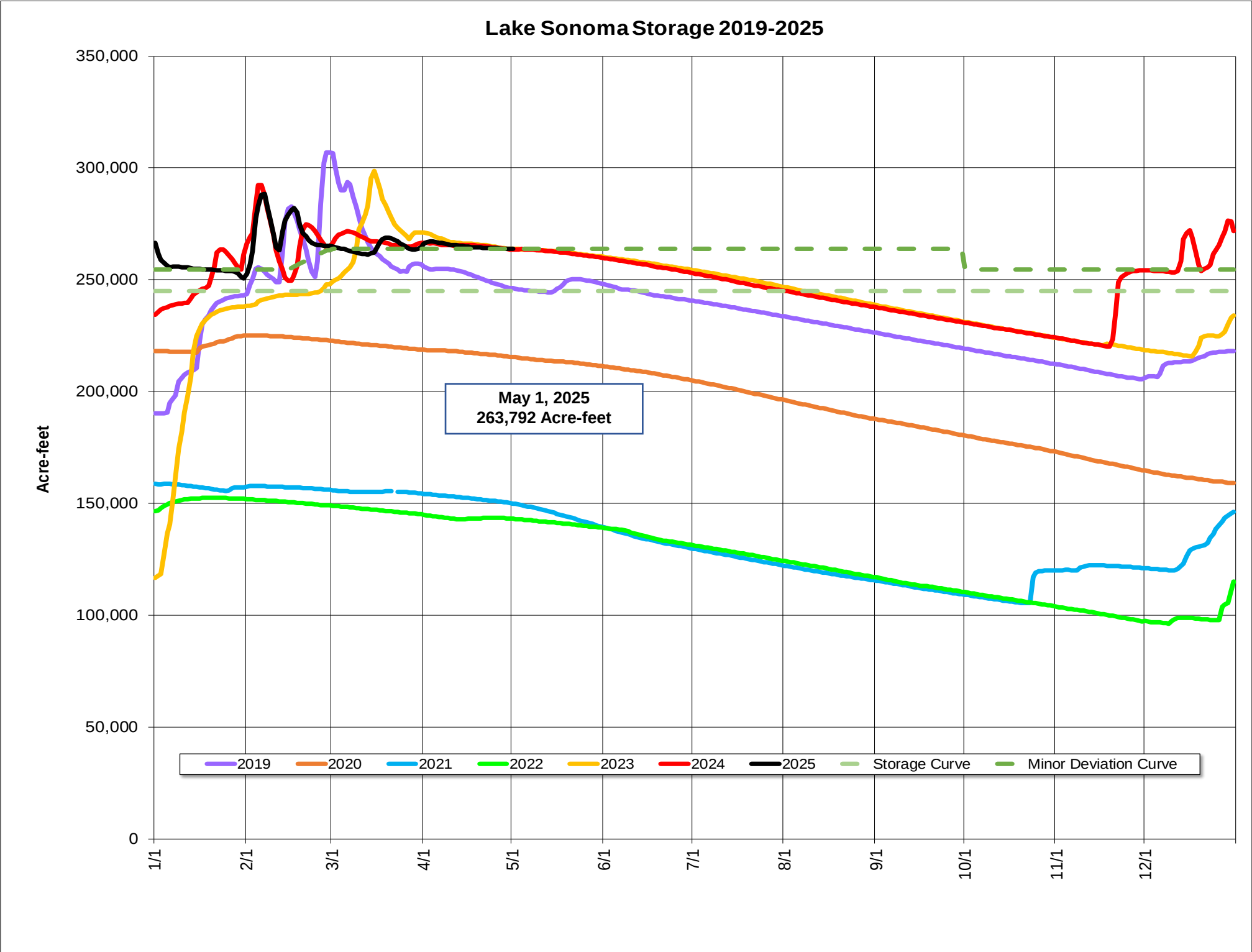
Lake Mendocino Storage 2019 - 2025 and Storage Curve



Storage (acre-feet)	May 1, 2025	102,543	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	4,163	139
	Last 7 days	179	26
Daily Inflow (cfs)	Last 7 days	Min	138
		Max	159
		Mean	149
Release (cfs)	Last 7 days	Min	116
		Max	130
		Mean	126



Todd Schram, February 10 , 2024



Storage (acre-feet)	May 1, 2025	263,792	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-2,281	-76
	Last 7 days	-305	-44
Daily Inflow (cfs)	Last 7 days	Min	67
		Max	97
		Mean	84
Release (cfs)	Last 7 days	Min	93
		Max	106
		Mean	100

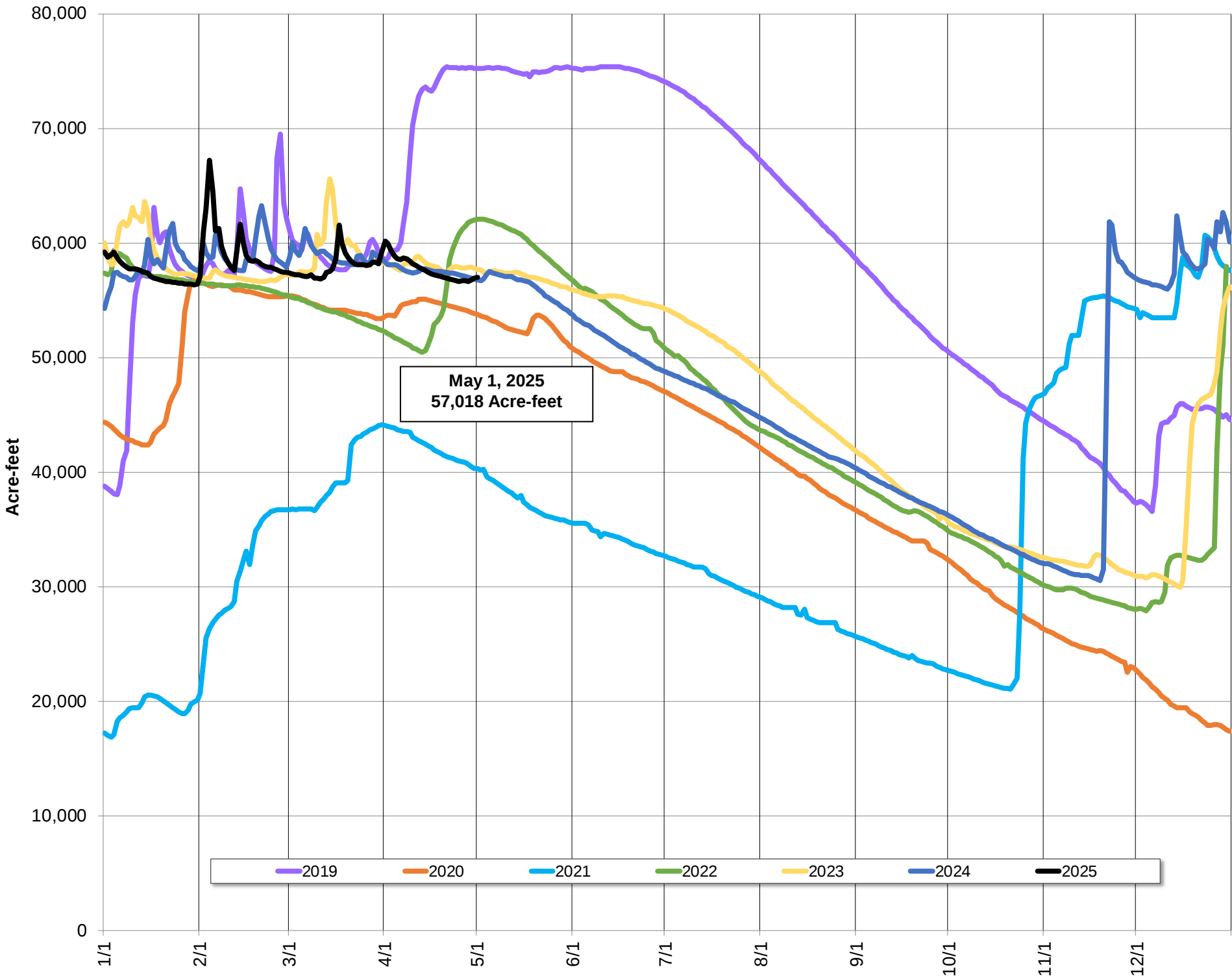
Potter Valley Project

PVP Diversion (cfs)	May 1, 2025	90
------------------------	-------------	----

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2024 - May 1, 2025	586,954	2,756
	Last 7 days	5,261	752

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2019 - 2025 and Target Storage Scenarios

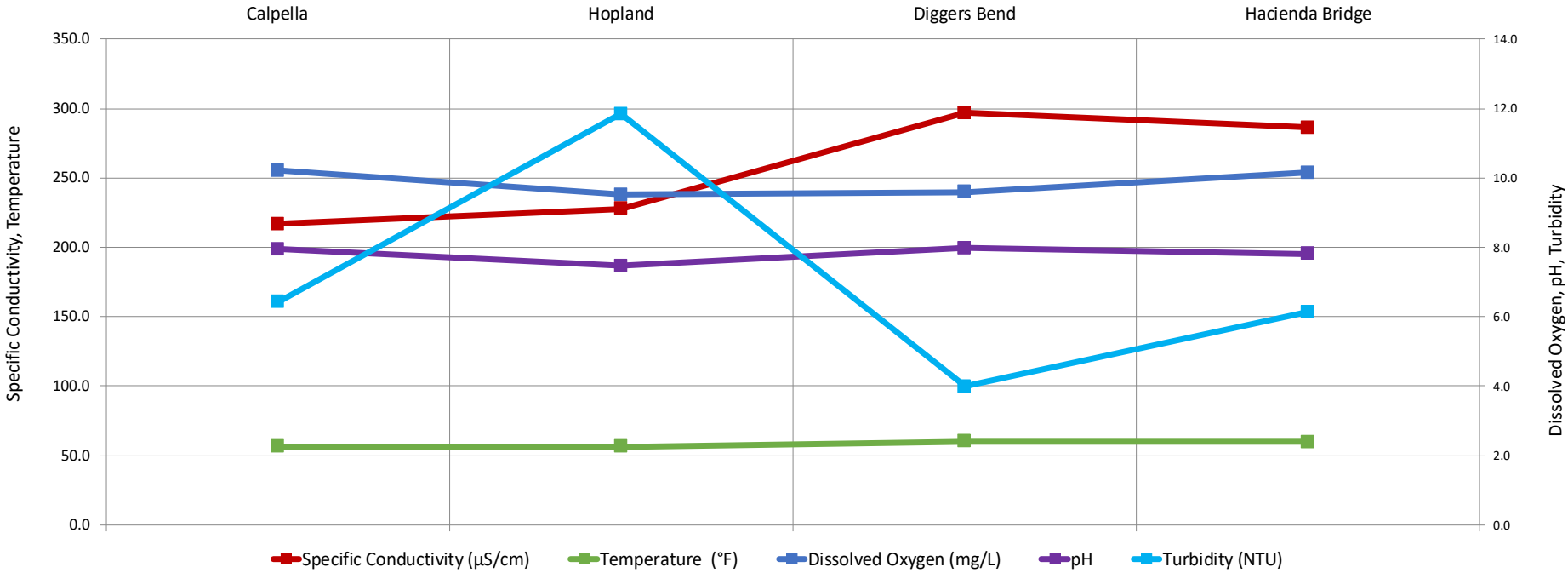


Russian River Flows (April 25, 2025 - May 1, 2025)

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	53.2	53.4		55.9	56.3		56.1	
	Max	62.8	60.8		66.0	66.6		65.1	
	Mean	56.3	56.1		59.7	60.1		59.7	
Specific Conductivity (µS/cm)	Min	210.0	226.0			294.0		283.0	
	Max	225.0	232.0			301.0		289.0	
	Mean	216.9	227.7			296.9		286.2	
Dissolved Oxygen (mg/L)	Min	9.3	8.8			8.6		9.0	
	Max	11.0	10.3			10.6		11.3	
	Mean	10.2	9.5			9.6		10.2	
Dissolved Oxygen (% Saturation)	Min	94.2	85.5			87.9		91.4	
	Max	106.2	101.6			110.3		119.2	
	Mean	98.0	91.2			96.4		101.7	
pH	Min	7.8	7.4			7.9		7.7	
	Max	8.1	7.5			8.1		8.0	
	Mean	8.0	7.5			8.0		7.8	
Turbidity (NTU)	Min	4.7	10.1			3.0		4.0	
	Max	7.8	13.0			5.3		9.4	
	Mean	6.4	11.8			4.0		6.1	

*Station operated seasonally

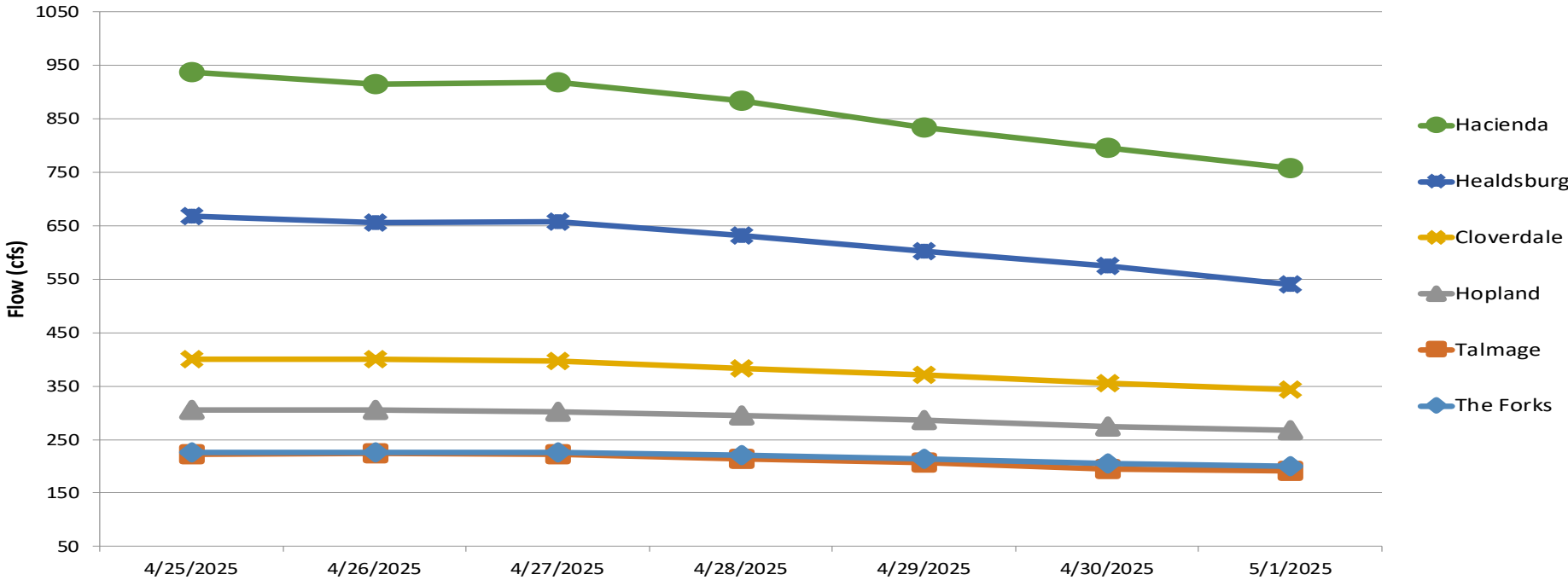
Water Quality Mean Values



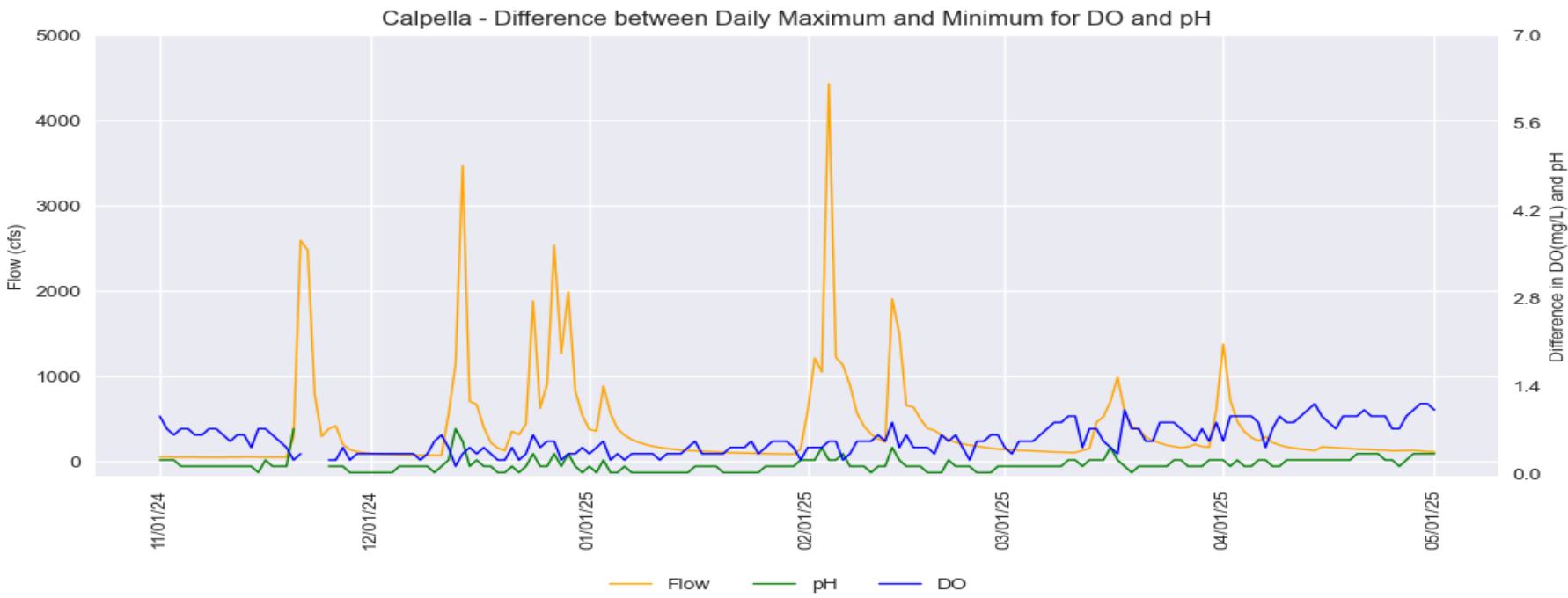
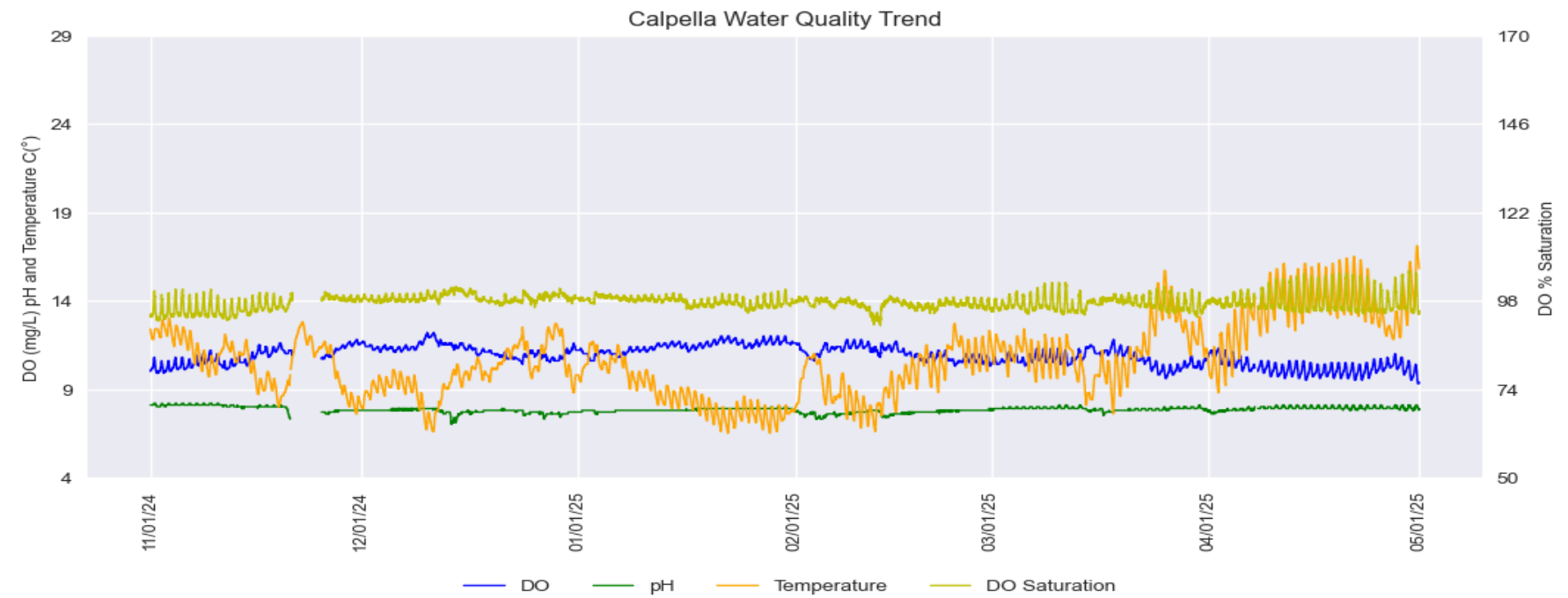
Gage	24-hr Average Flow (cfs)						
	Apr 25, 2025	Apr 26, 2025	Apr 27, 2025	Apr 28, 2025	Apr 29, 2025	Apr 30, 2025	May 1, 2025
The Forks*	226	226	225	221	214	205	200
Talmage USGS 11462080	223	224	222	214	207	195	191
Hopland USGS 11462500	304	305	302	294	287	274	268
Cloverdale USGS 11463000	400	400	397	383	371	355	343
Healdsburg USGS 11464000	669	656	657	631	602	574	540
Hacienda USGS 11467000	937	915	919	884	833	796	758

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

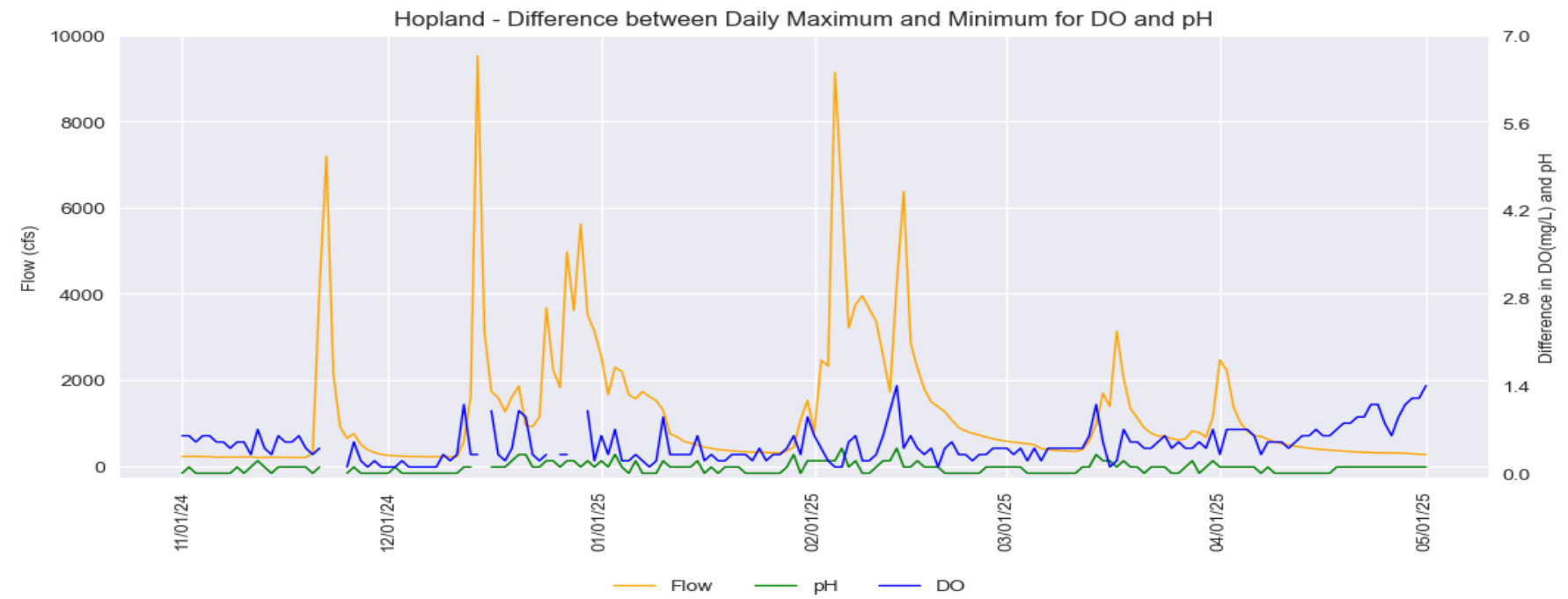
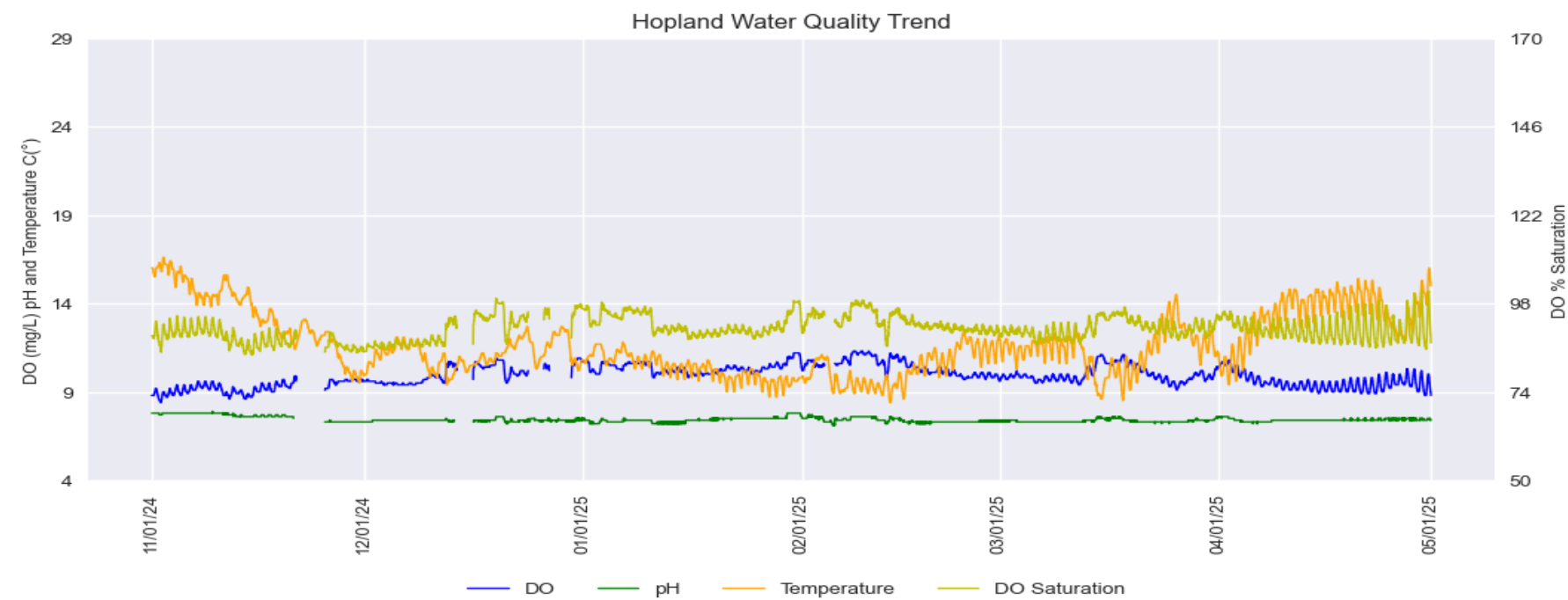
Russian River Flows



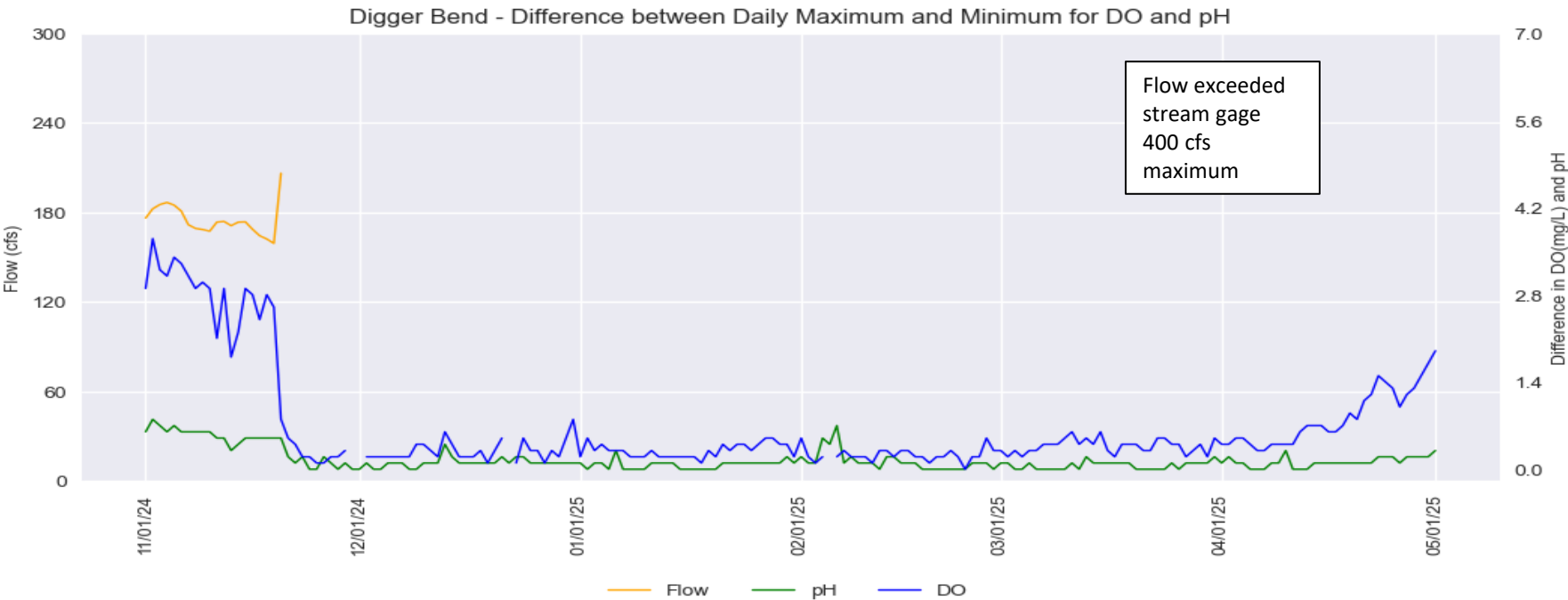
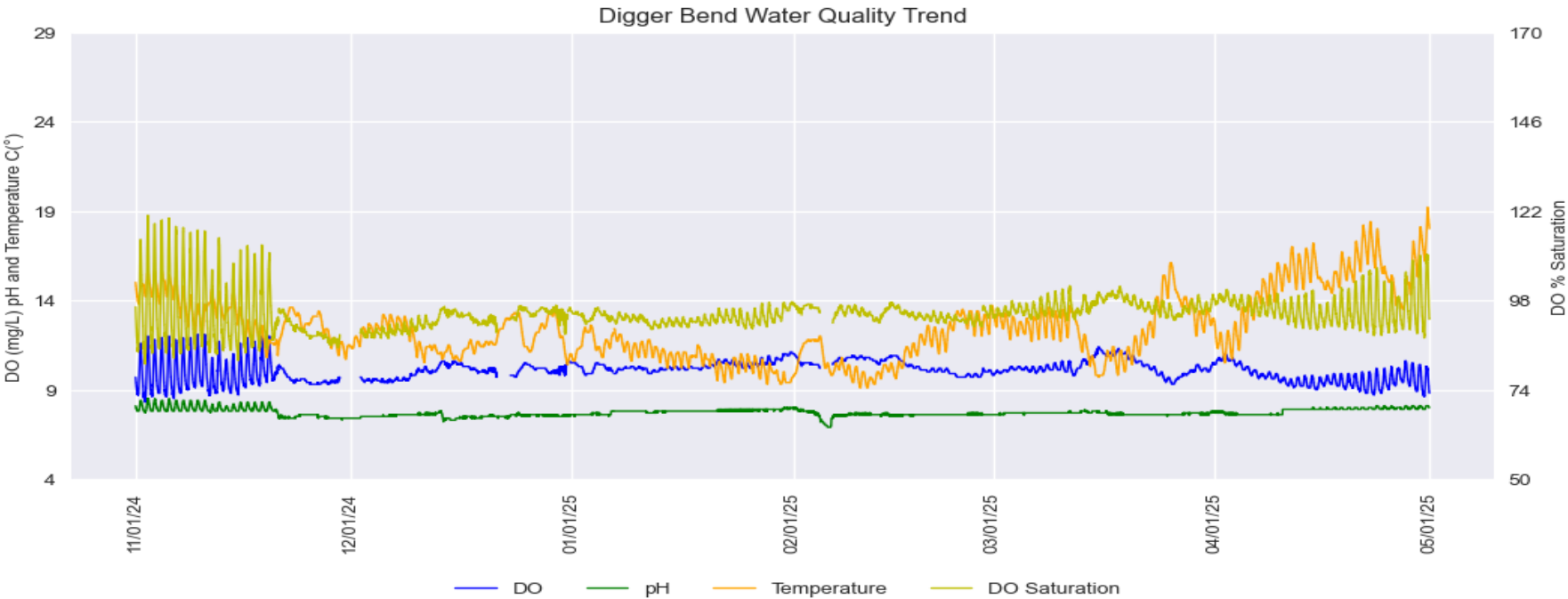
Russian River Water Quality November 1, 2024 – May 1, 2025
Provisional Data Subject to Revision
Calpella



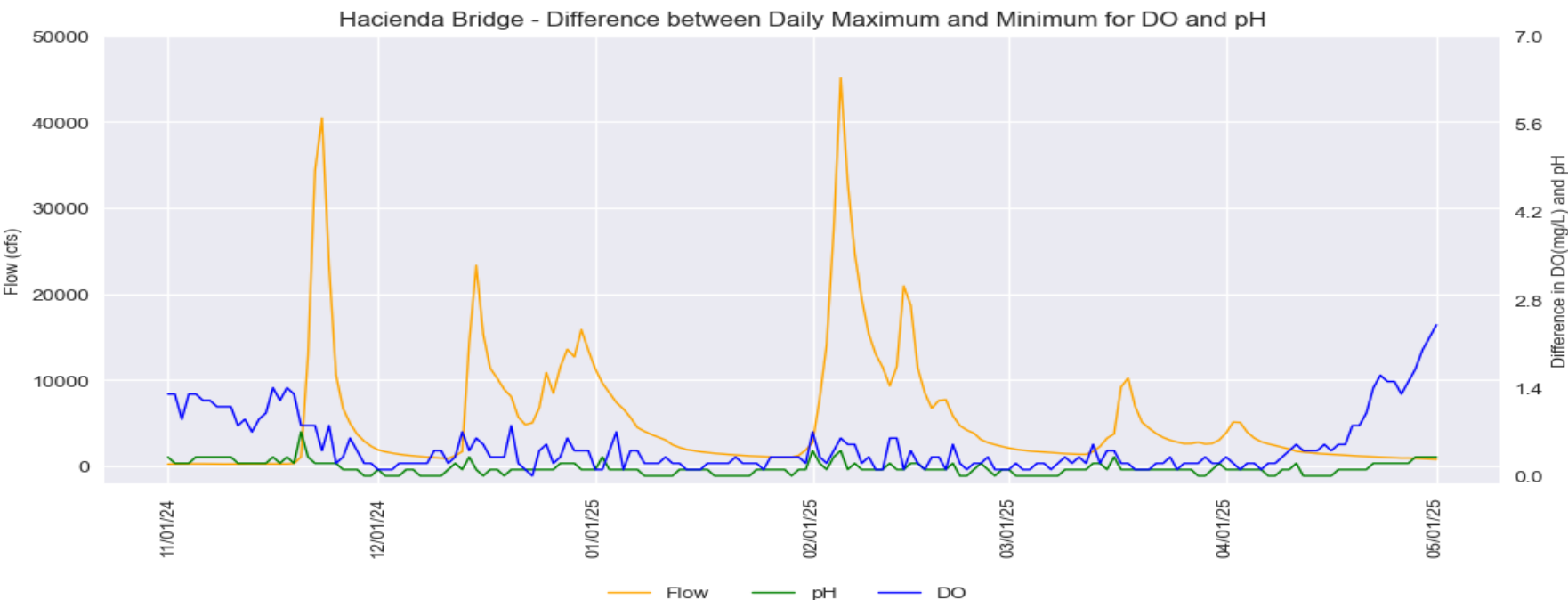
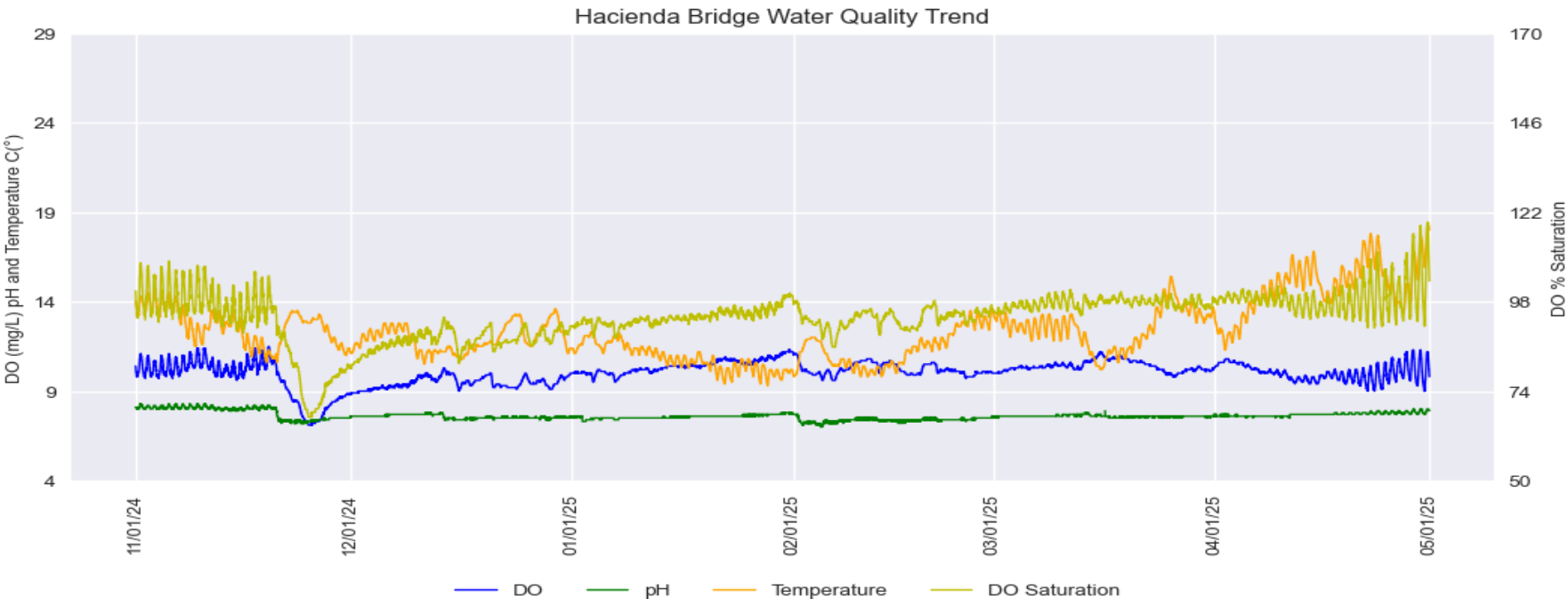
Hopland



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



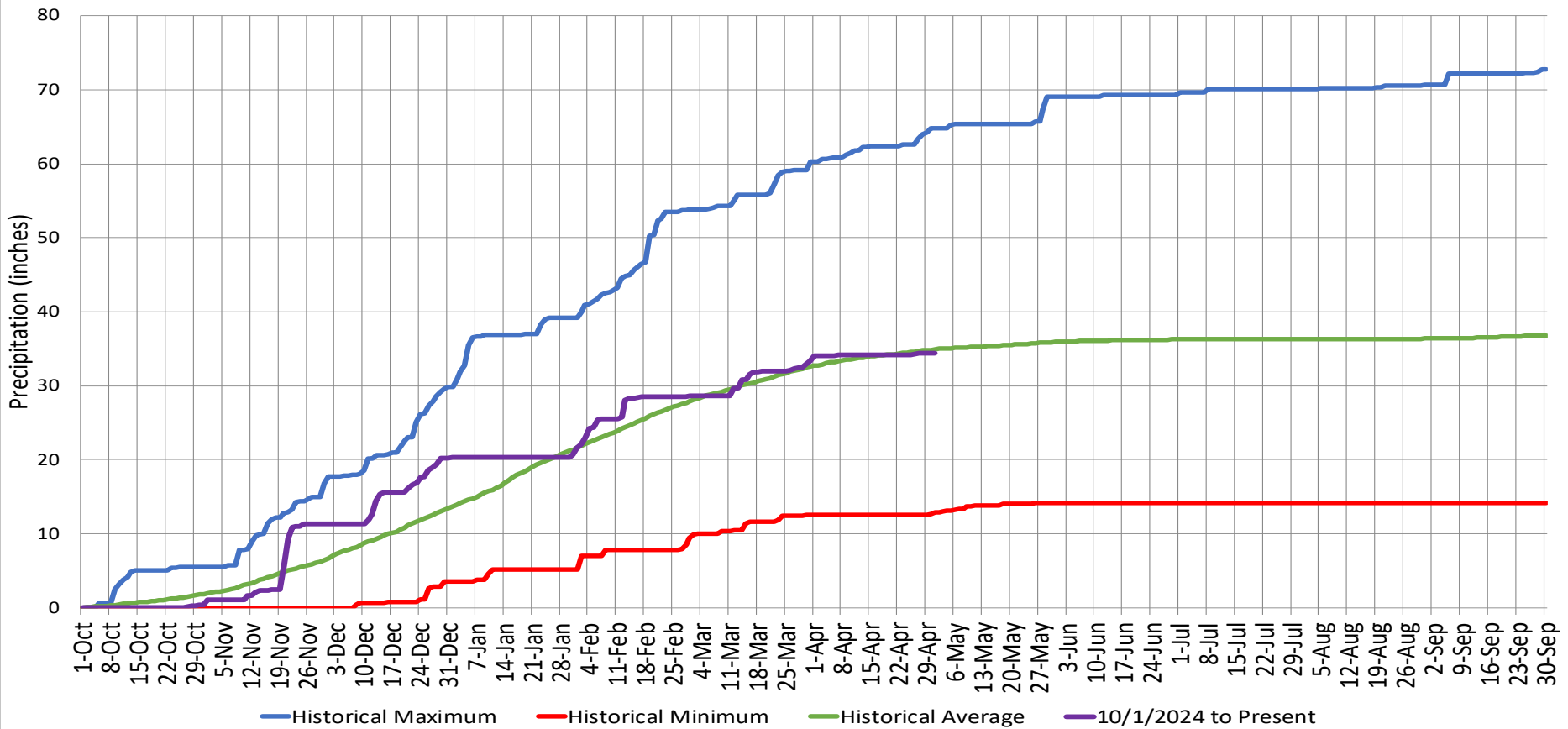
Hacienda Bridge



Precipitation

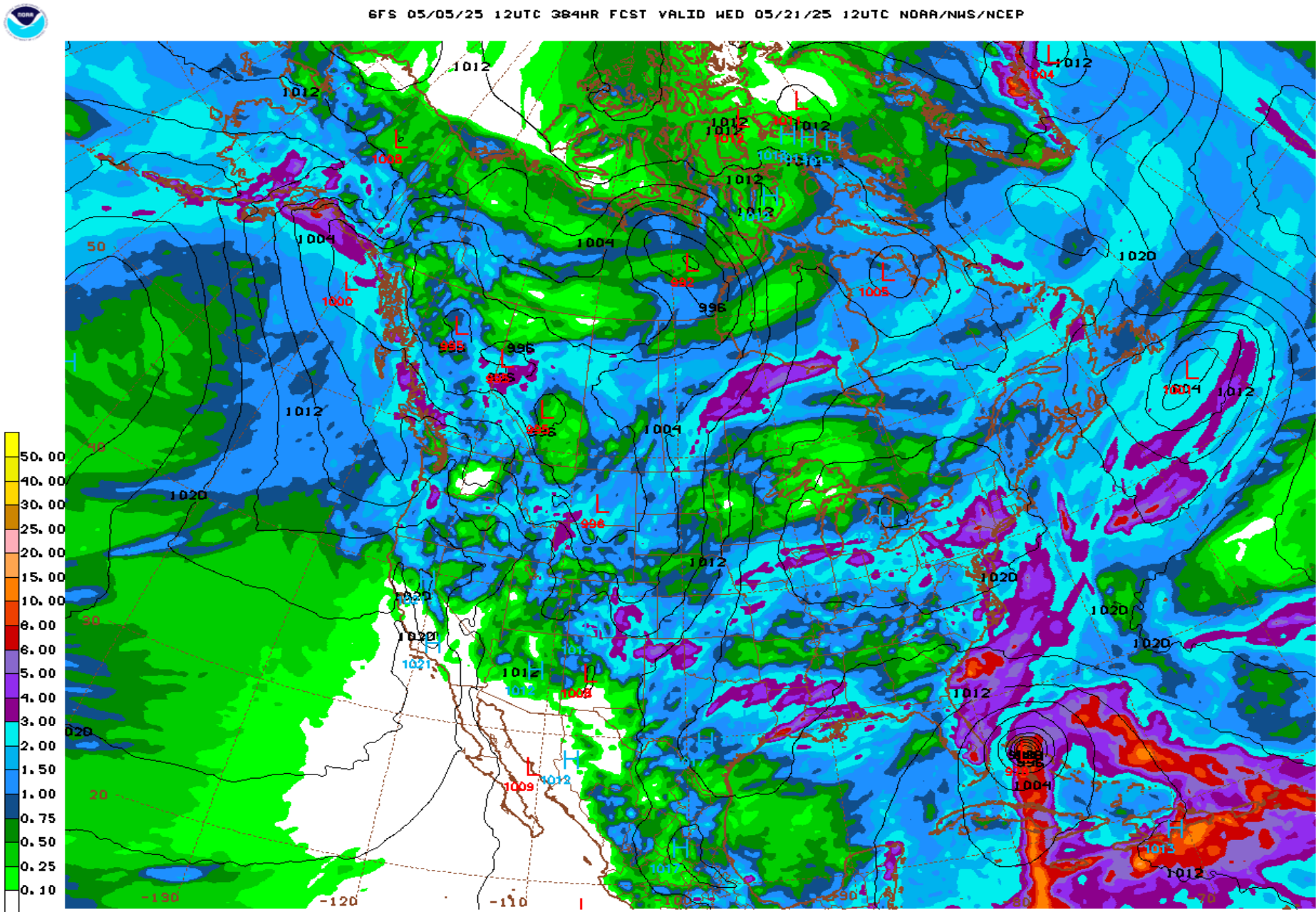
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2024 - May 1, 2025	34.38
Last 7 Days*	0.20

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

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



6FS WED 250521/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
May 5 - May 21, 2025	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.