



Sonoma
Water

State Water Resources Control Board
Temporary Urgency Change Orders (10/31/2024)
Russian River Hydrologic & Water Quality Report
April 4, 2025 - April 10, 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).

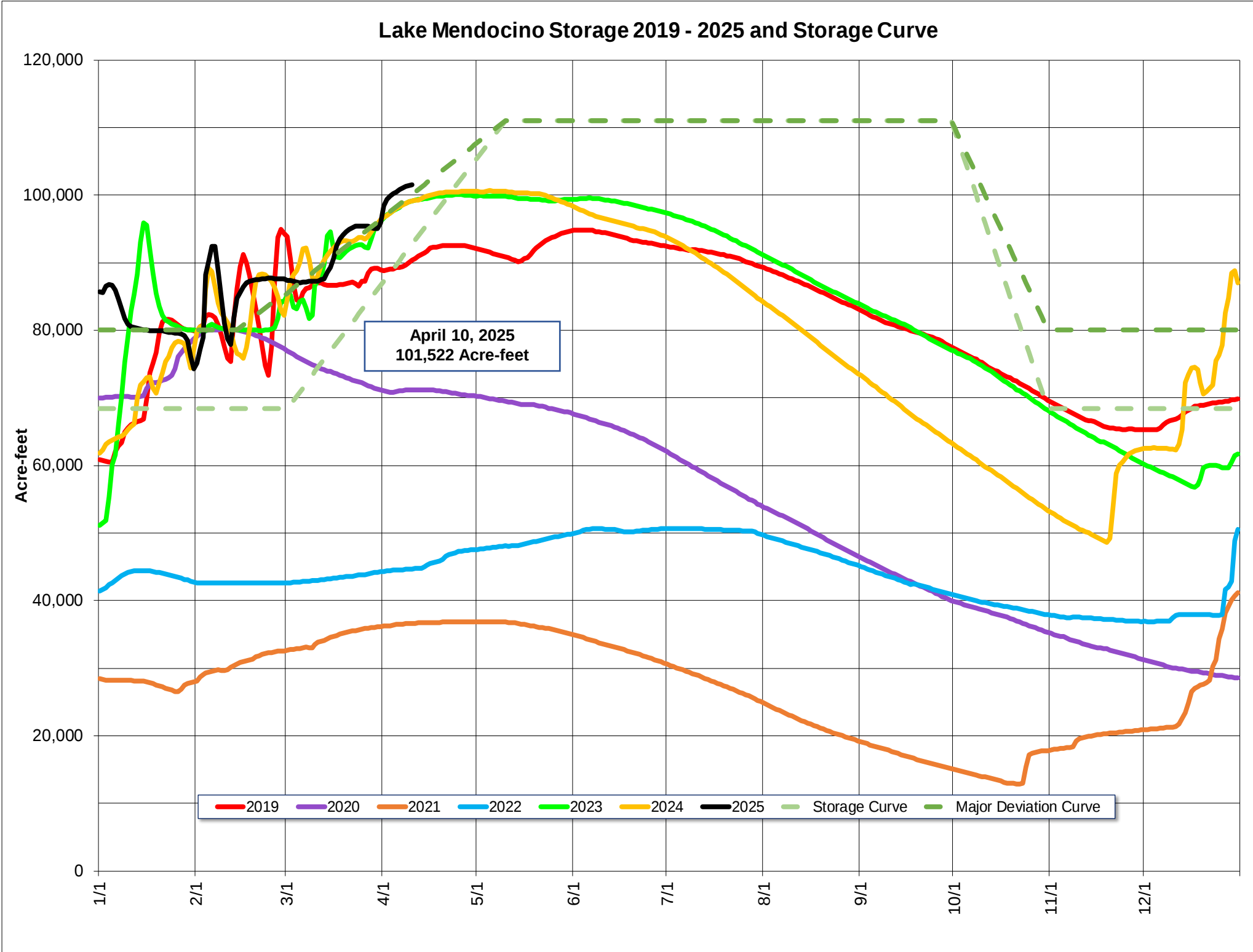
Instream Flow Requirements as of April 10, 2025

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

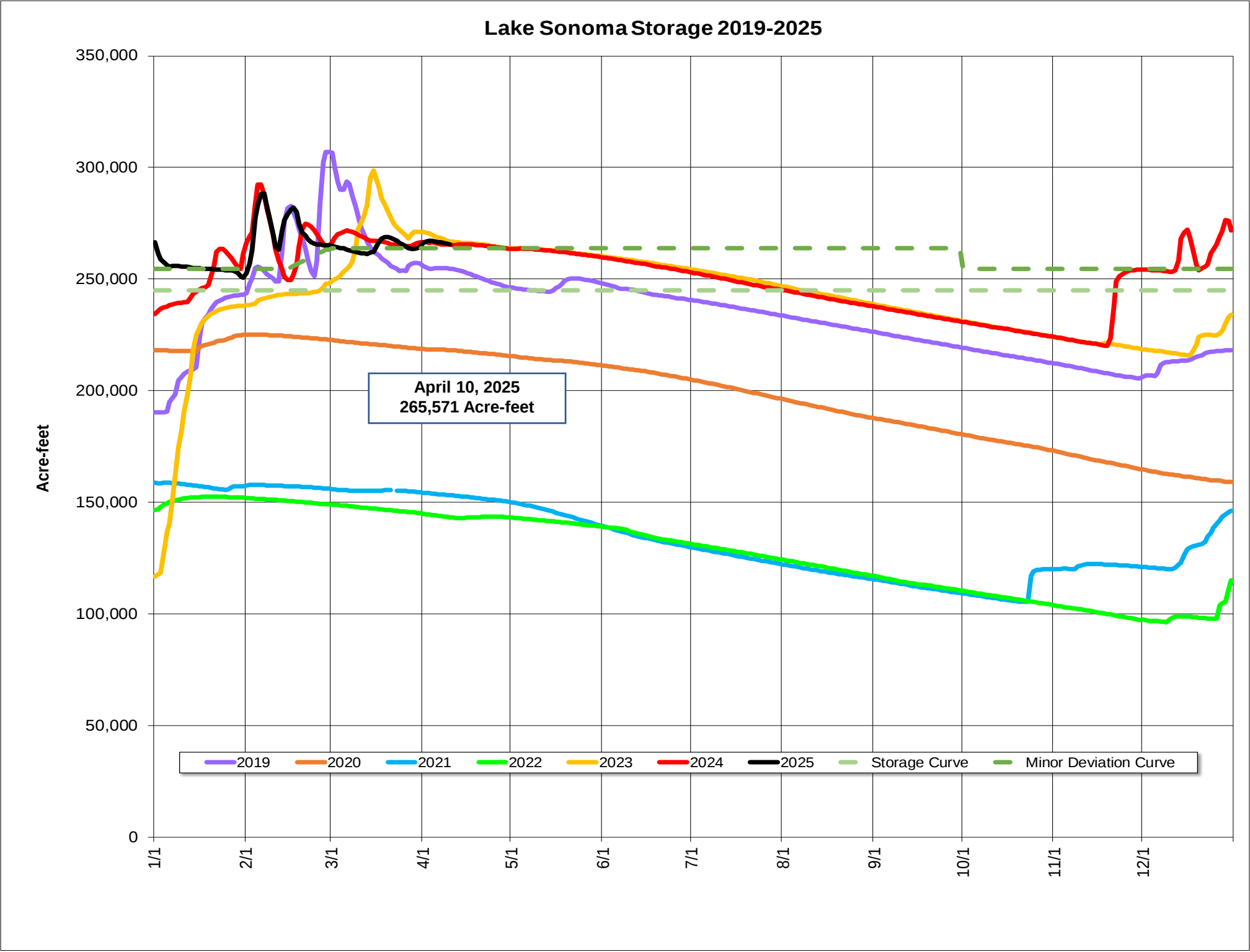


Storage (acre-feet)	April 10, 2025	101,522	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	14,208	474
	Last 7 days	1,323	189
Daily Inflow (cfs)	Last 7 days	Min	189
		Max	328
		Mean	258
Release (cfs)	Last 7 days	Min	126
		Max	139
		Mean	128

Lake Sonoma



Todd Schram, February 10 , 2024

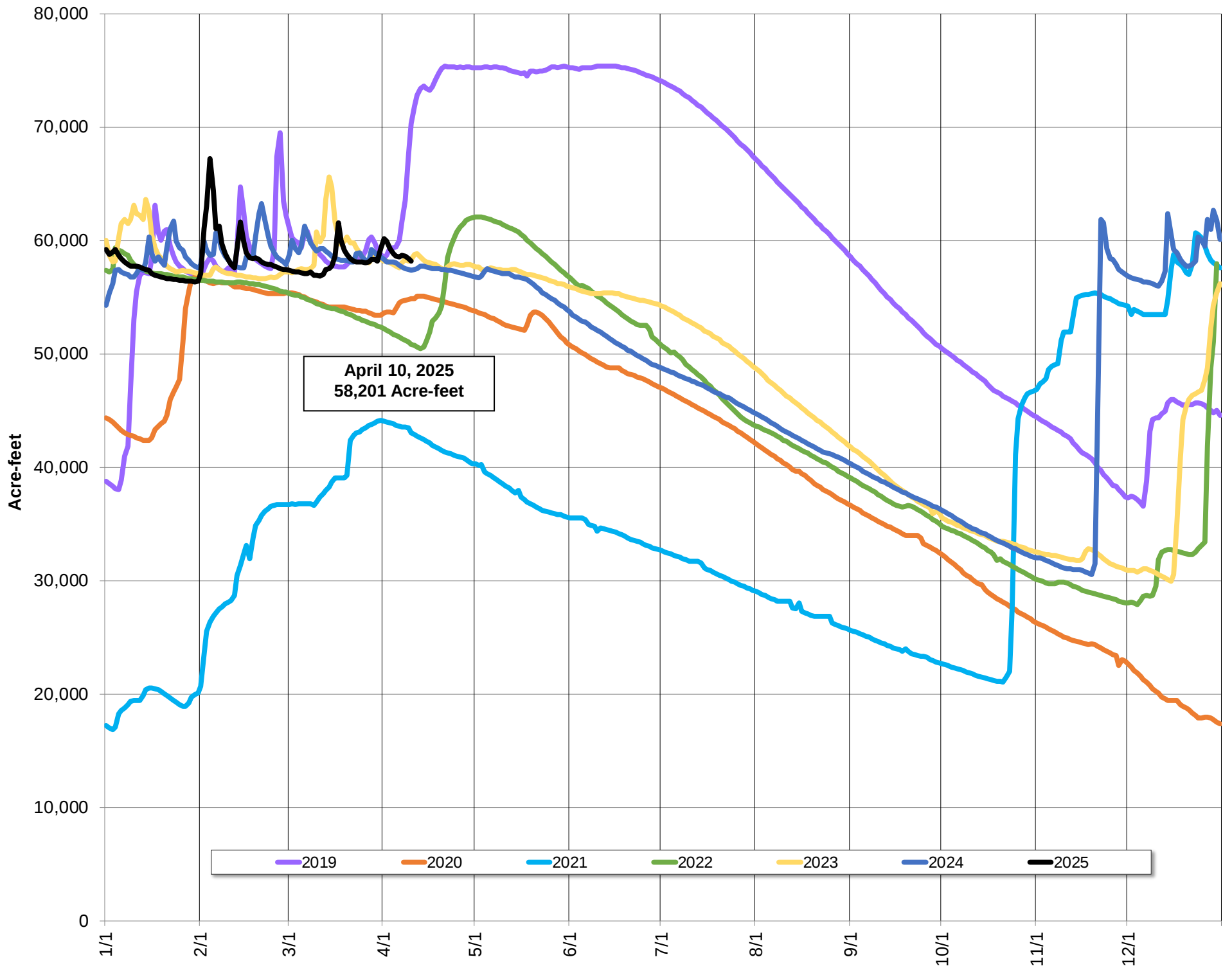


Storage (acre-feet)	April 10, 2025	265,571	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	4,157	139
	Last 7 days	-1,535	-219
Daily Inflow (cfs)	Last 7 days	Min	246
		Max	495
		Mean	373
Release (cfs)	Last 7 days	Min	335
		Max	501
		Mean	475

April 10, 2025

45

*Inflow calculation based on criteria established in D1610

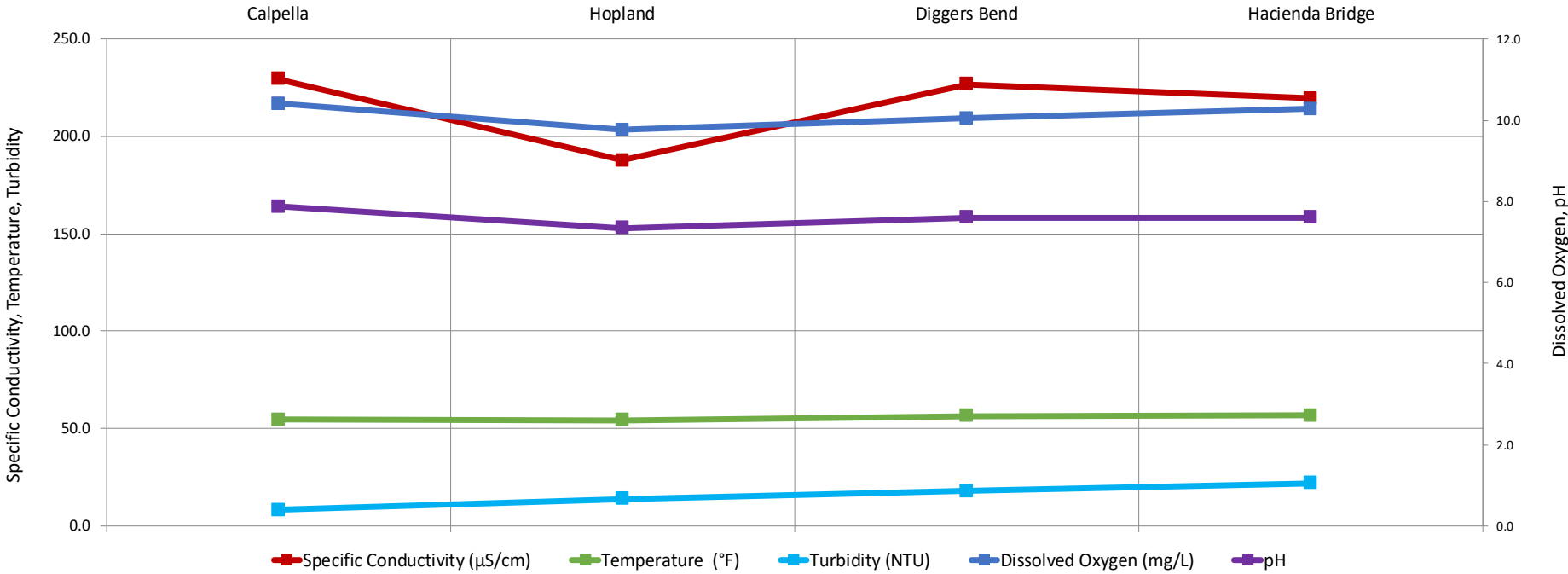


Russian River Flows (April 4, 2025 - April 10, 2025)

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	48.6	49.3		51.1	51.3		53.1	
	Max	60.1	58.3		60.8	61.0		60.1	
	Mean	54.6	54.3		56.1	56.5		56.6	
Specific Conductivity (µS/cm)	Min	196.0	144.0			163.0		167.0	
	Max	249.0	209.0			259.0		241.0	
	Mean	229.7	187.7			226.9		219.5	
Dissolved Oxygen (mg/L)	Min	9.7	9.1			9.5		9.9	
	Max	11.2	10.5			10.8		10.7	
	Mean	10.4	9.8			10.1		10.3	
Dissolved Oxygen (% Saturation)	Min	95.5	88.6			93.1		96.6	
	Max	102.9	94.5			99.9		102.3	
	Mean	97.7	91.4			96.6		99.0	
pH	Min	7.7	7.2			7.6		7.5	
	Max	8.0	7.5			7.7		7.7	
	Mean	7.9	7.3			7.6		7.6	
Turbidity (NTU)	Min	4.9	9.9			7.0		10.6	
	Max	22.3	26.2			60.9		83.5	
	Mean	8.2	13.8			17.7		21.8	

*Station operated seasonally

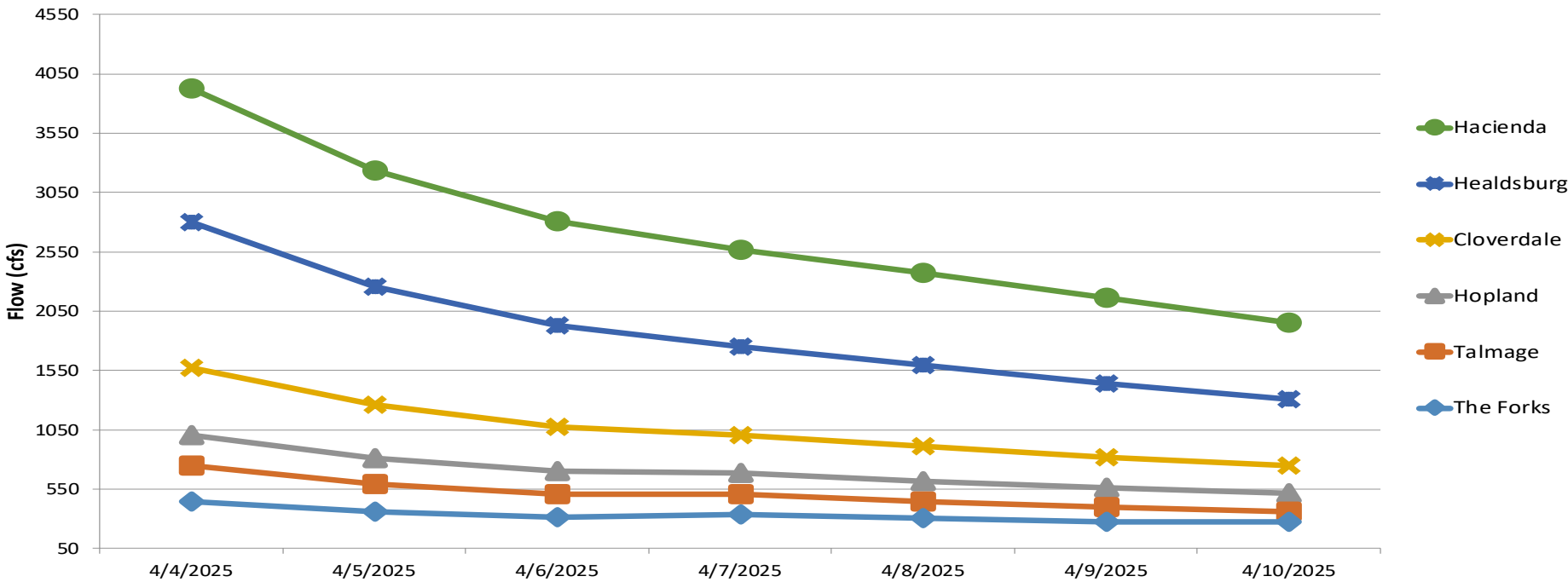
Water Quality Mean Values



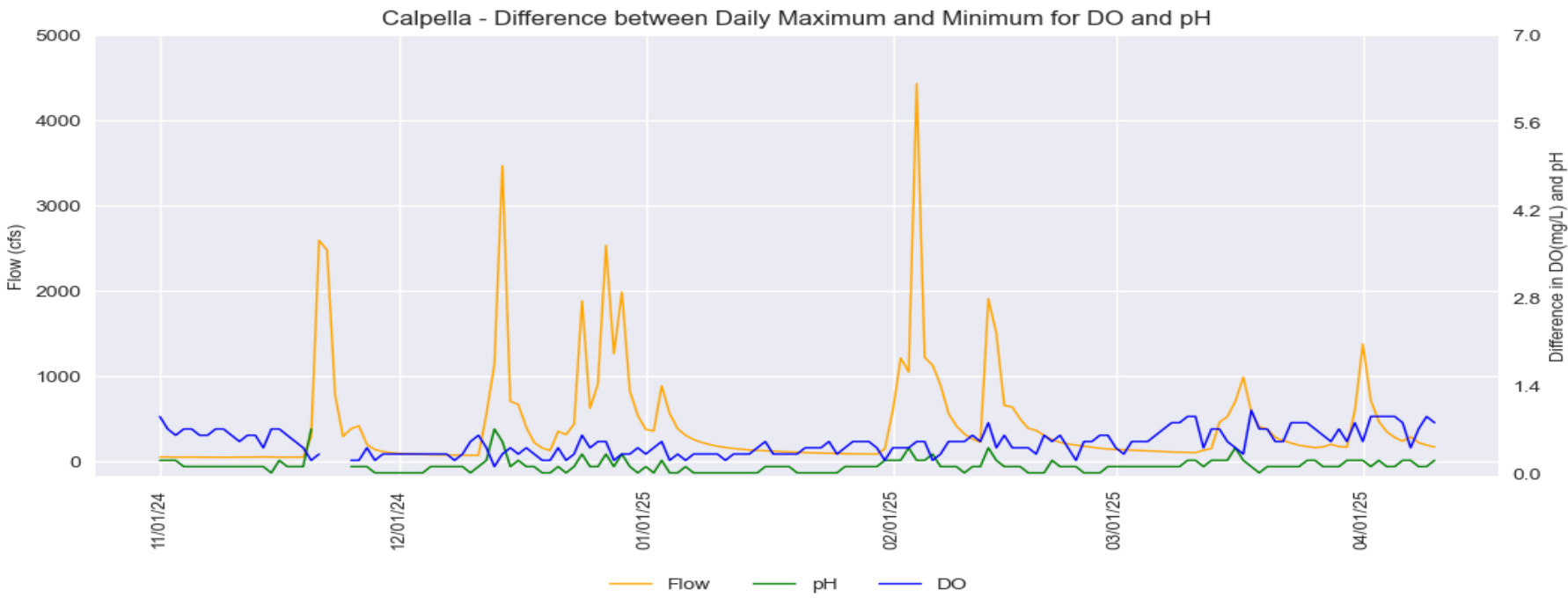
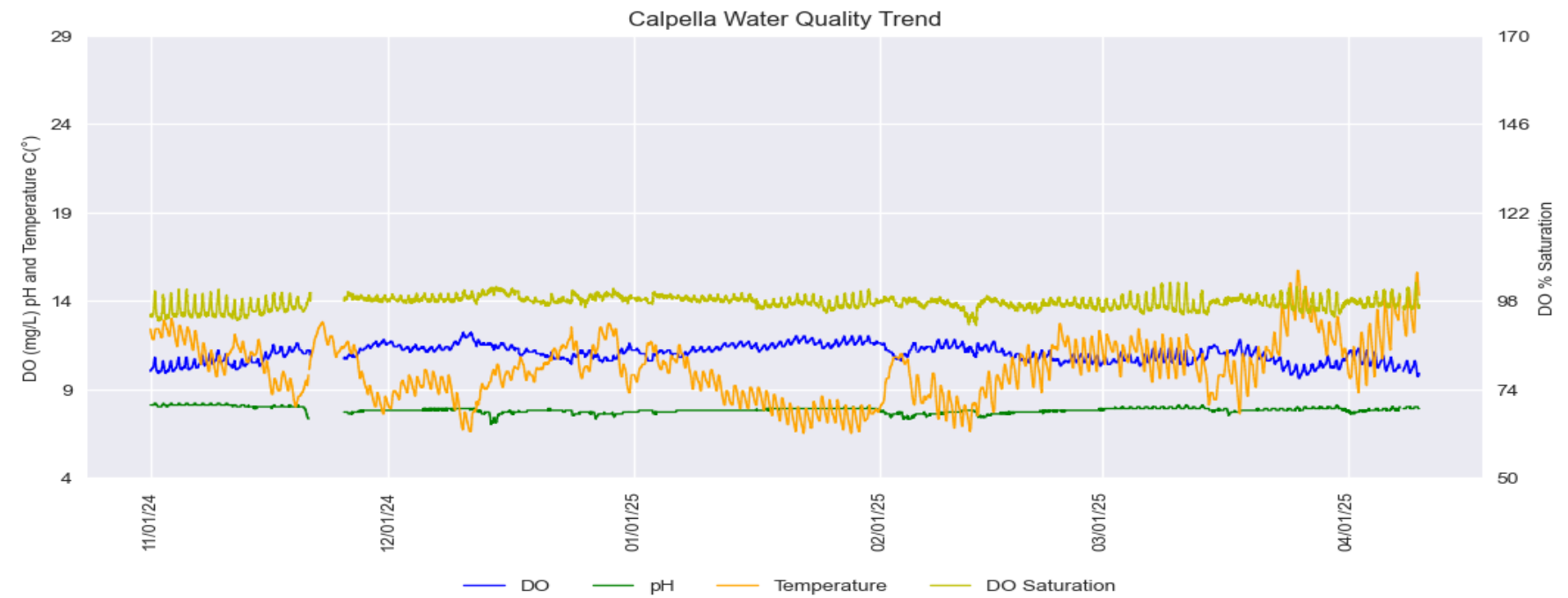
Gage	24-hr Average Flow (cfs)						
	Apr 4, 2025	Apr 5, 2025	Apr 6, 2025	Apr 7, 2025	Apr 8, 2025	Apr 9, 2025	Apr 10, 2025
The Forks*	442	359	317	333	302	277	274
Talmage USGS 11462080	750	592	505	510	445	399	359
Hopland USGS 11462500	1004	811	703	688	620	565	519
Cloverdale USGS 11463000	1569	1258	1075	1002	908	819	748
Healdsburg USGS 11464000	2801	2257	1926	1749	1597	1438	1305
Hacienda USGS 11467000	3926	3237	2809	2564	2372	2160	1956

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

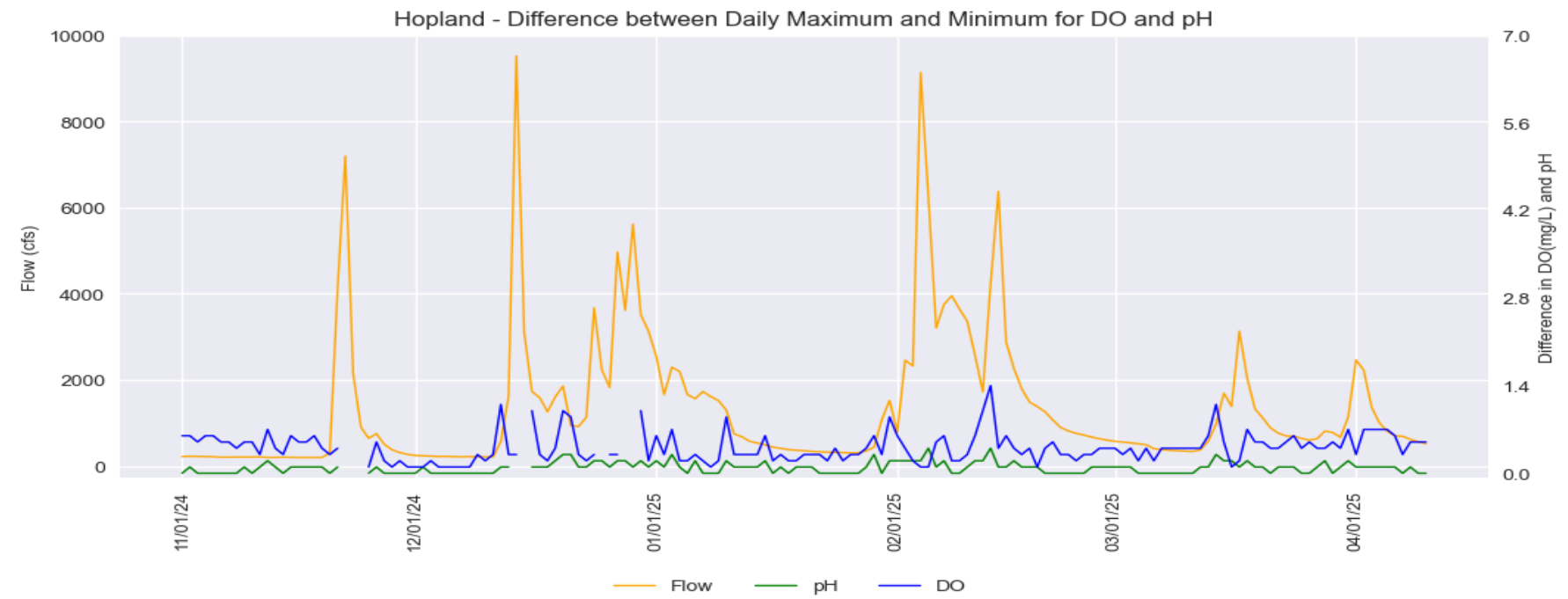
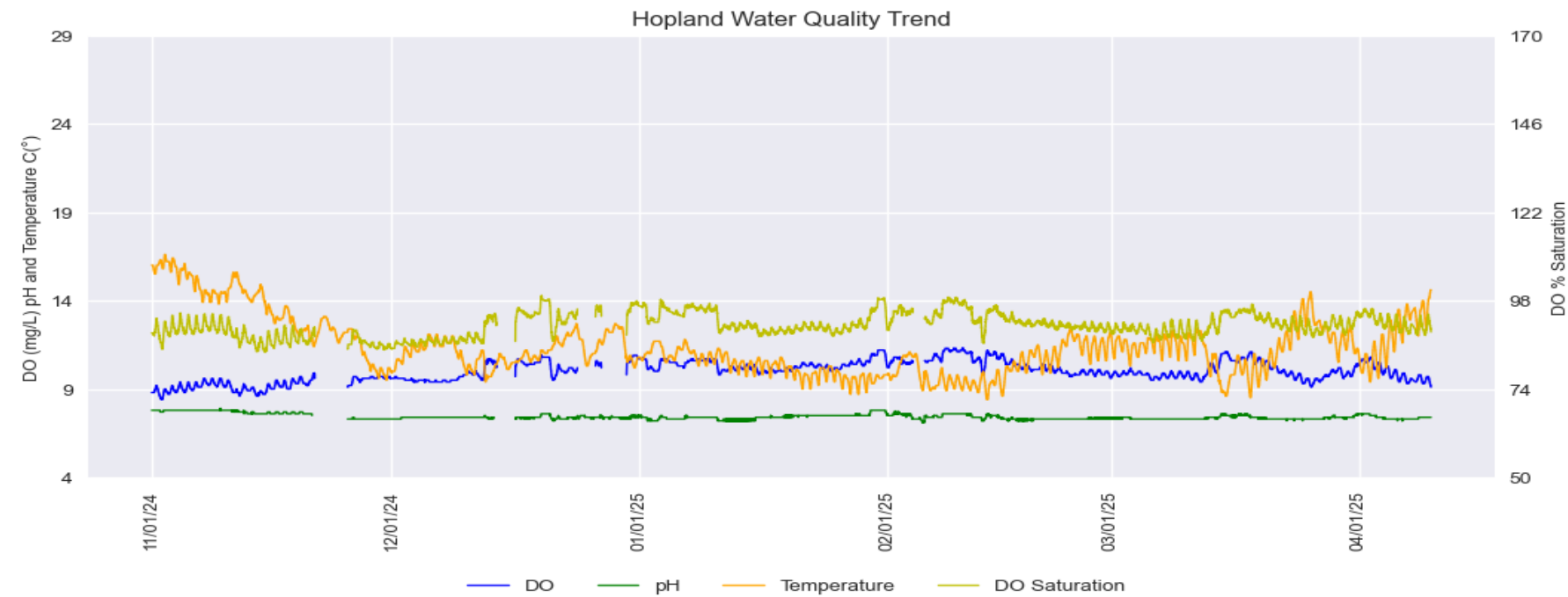
Russian River Flows



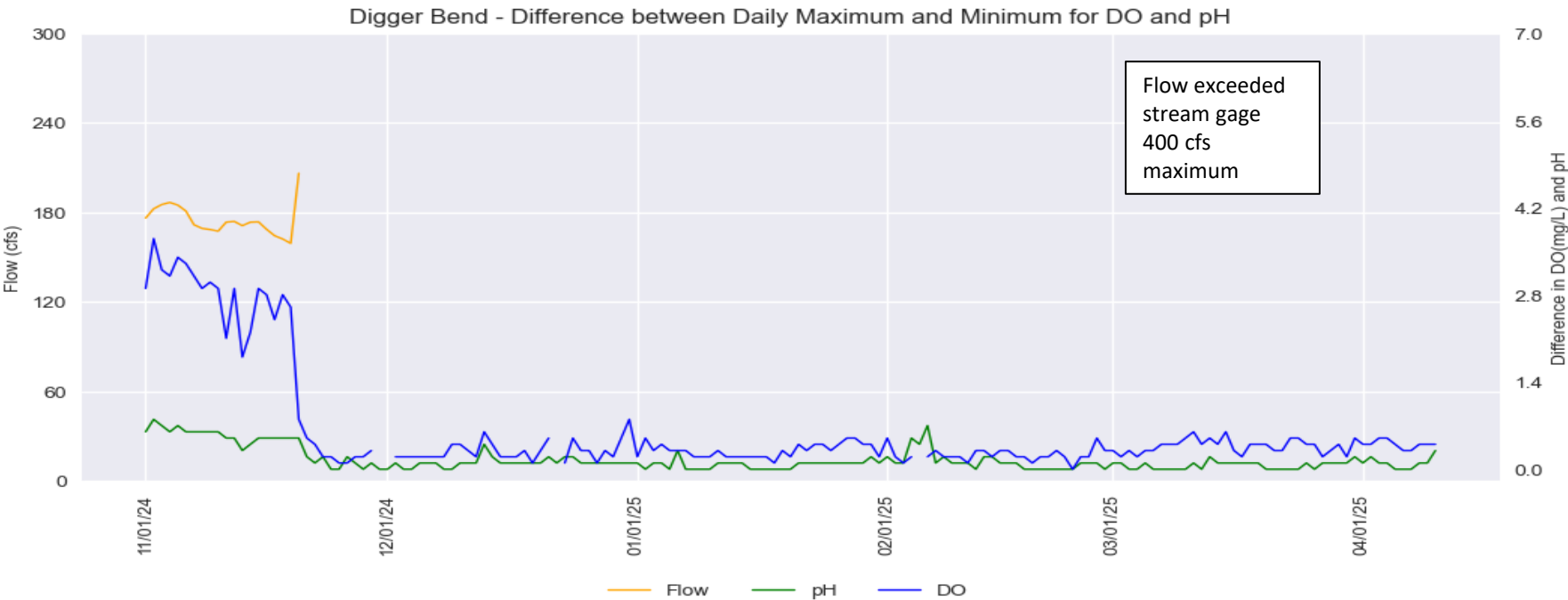
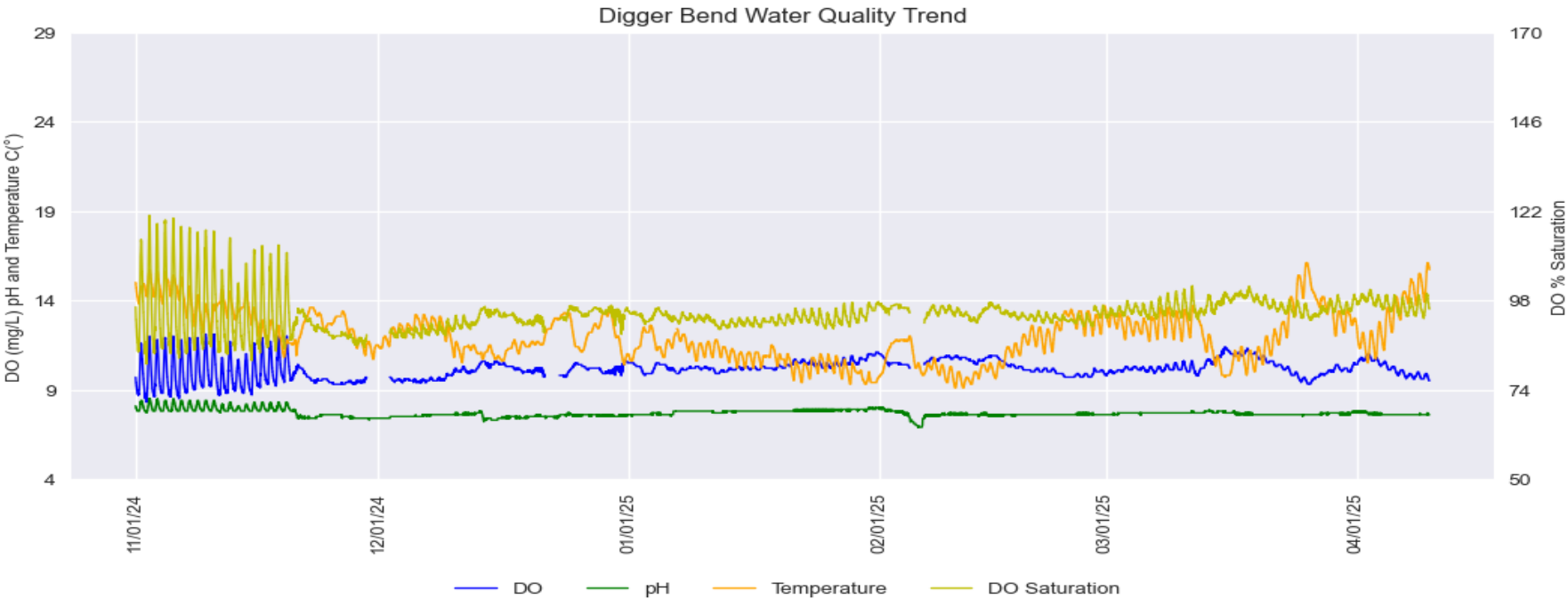
Russian River Water Quality November 1, 2024 – April 10, 2025
Provisional Data Subject to Revision
Calpella



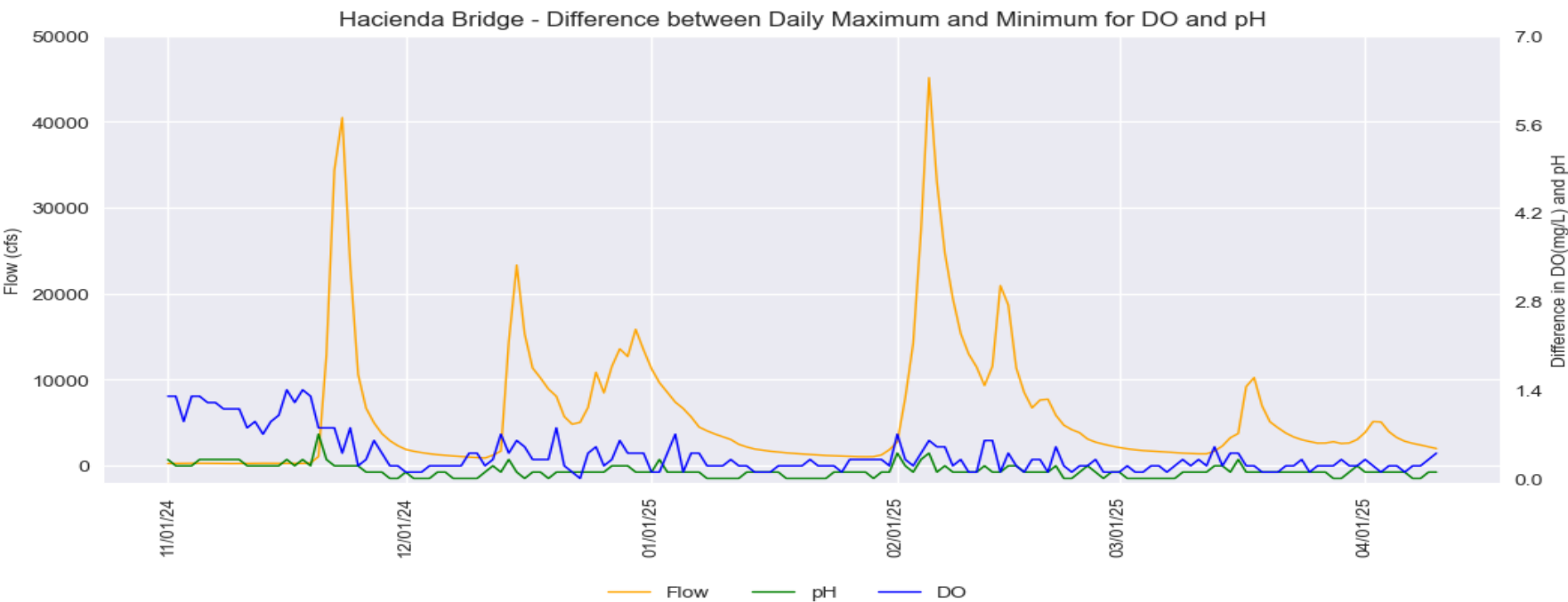
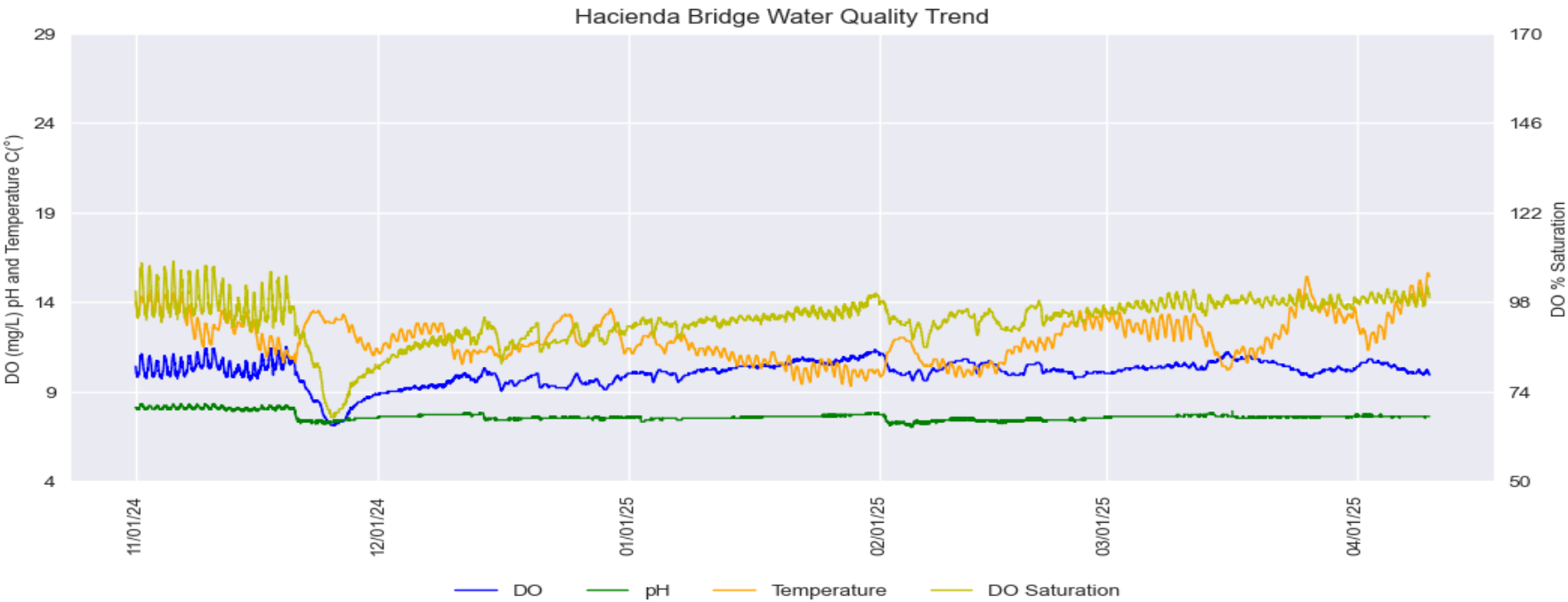
Hopland



Russian River Water Quality November 1, 2024 – April 10, 2025
Provisional Data Subject to Revision
Digger Bend

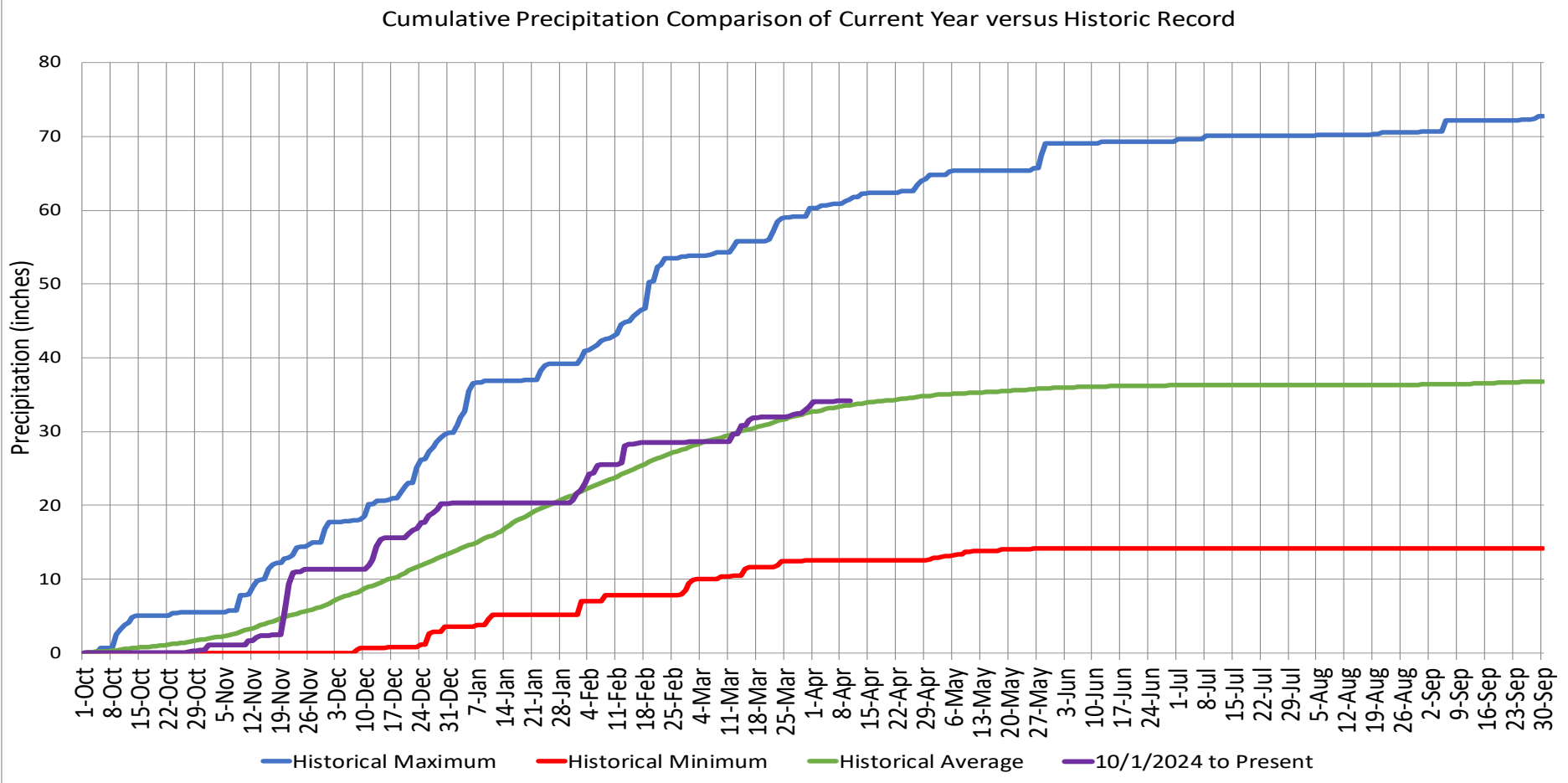


Hacienda Bridge

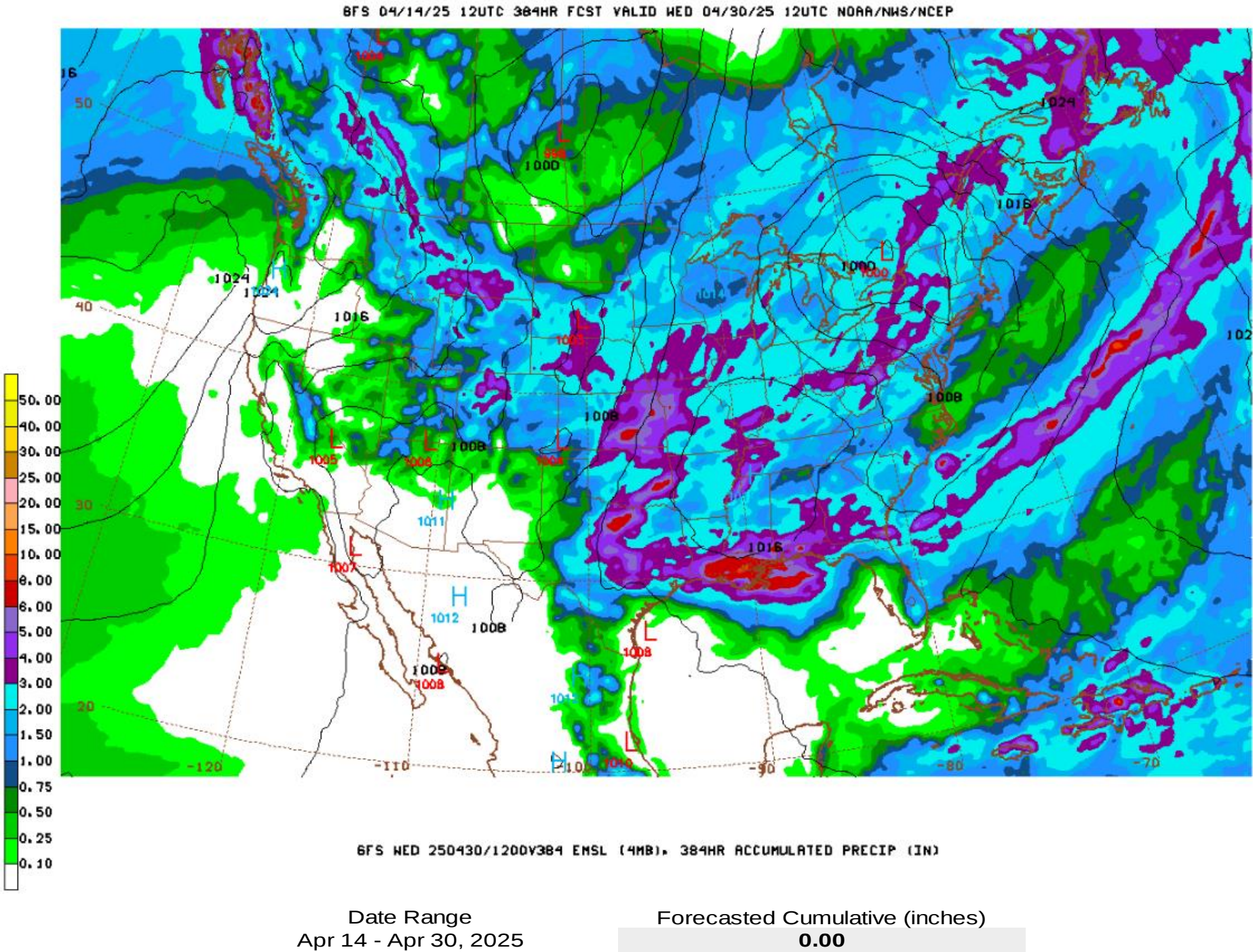


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2024 - Apr 10, 2025	34.18
Last 7 Days*	0.15



Global Forecast System Model 16-day Cumulative Precipitation Forecast



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.