



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 March 28, 2025 - April 3, 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).

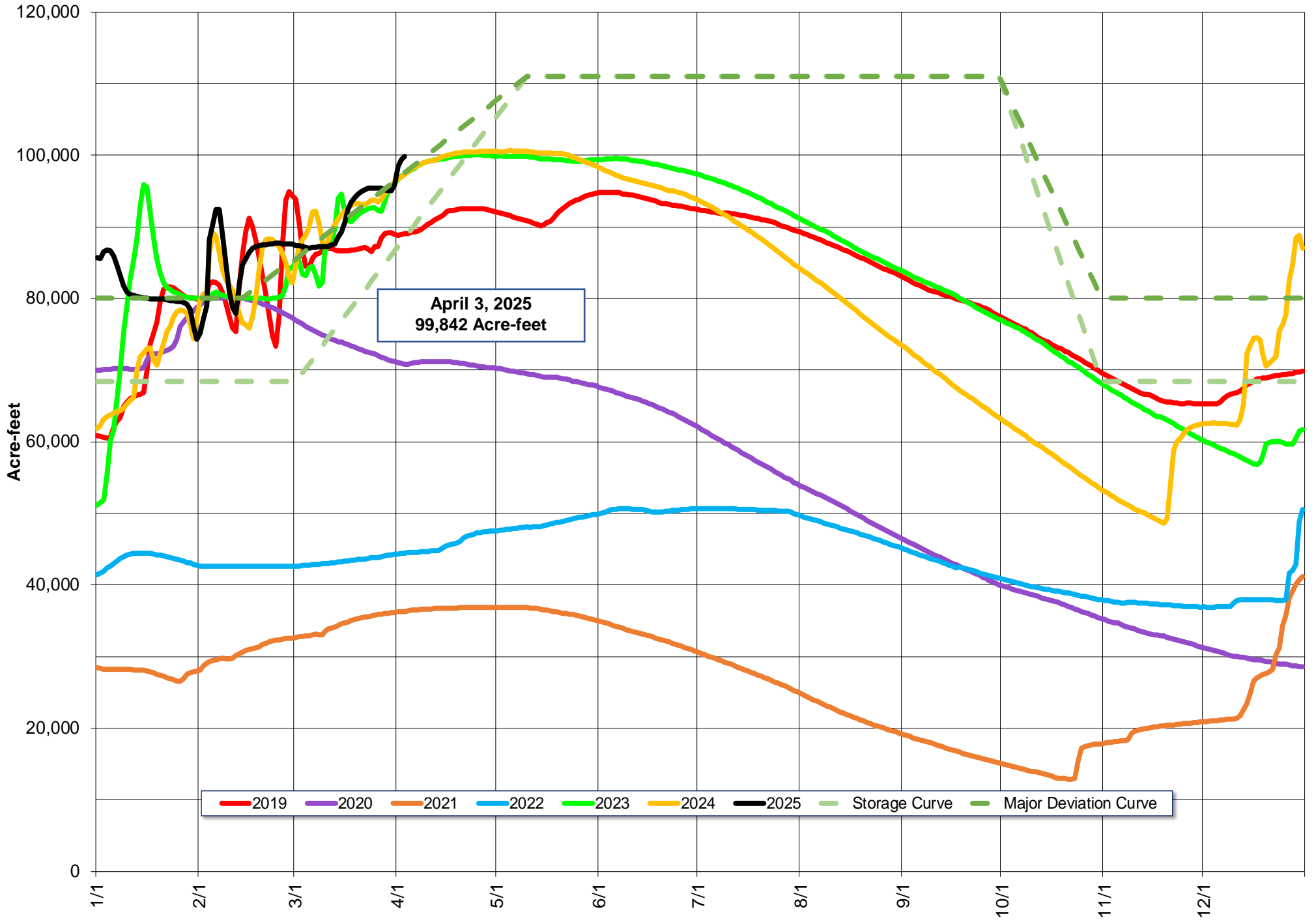
Instream Flow Requirements as of April 3, 2025

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



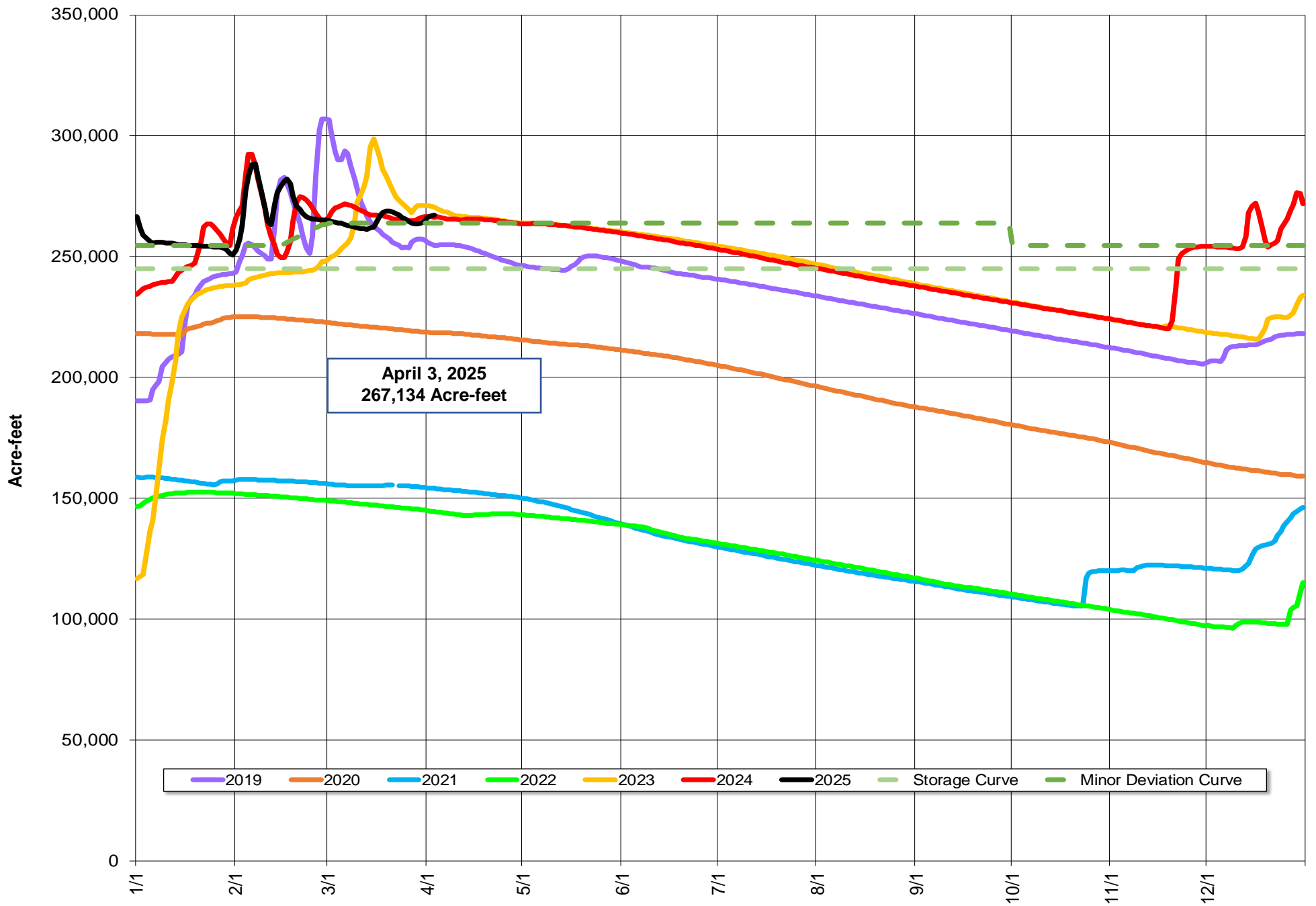
Storage (acre-feet)	April 3, 2025	99,842	
Change in Storage (acre-feet)	Last 30 days	12,737	425
	Last 7 days	4,623	660
Daily Inflow (cfs)	Last 7 days	Min	201
		Max	1,462
		Mean	568
Release (cfs)	Last 7 days	Min	165
		Max	403
		Mean	239

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025



Storage (acre-feet)	April 3, 2025	267,134	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	3,176	106
	Last 7 days	3,509	501
Daily Inflow (cfs)	Last 7 days	Min	289
		Max	1,018
		Mean	604
Release (cfs)	Last 7 days	Min	321
		Max	475
		Mean	360

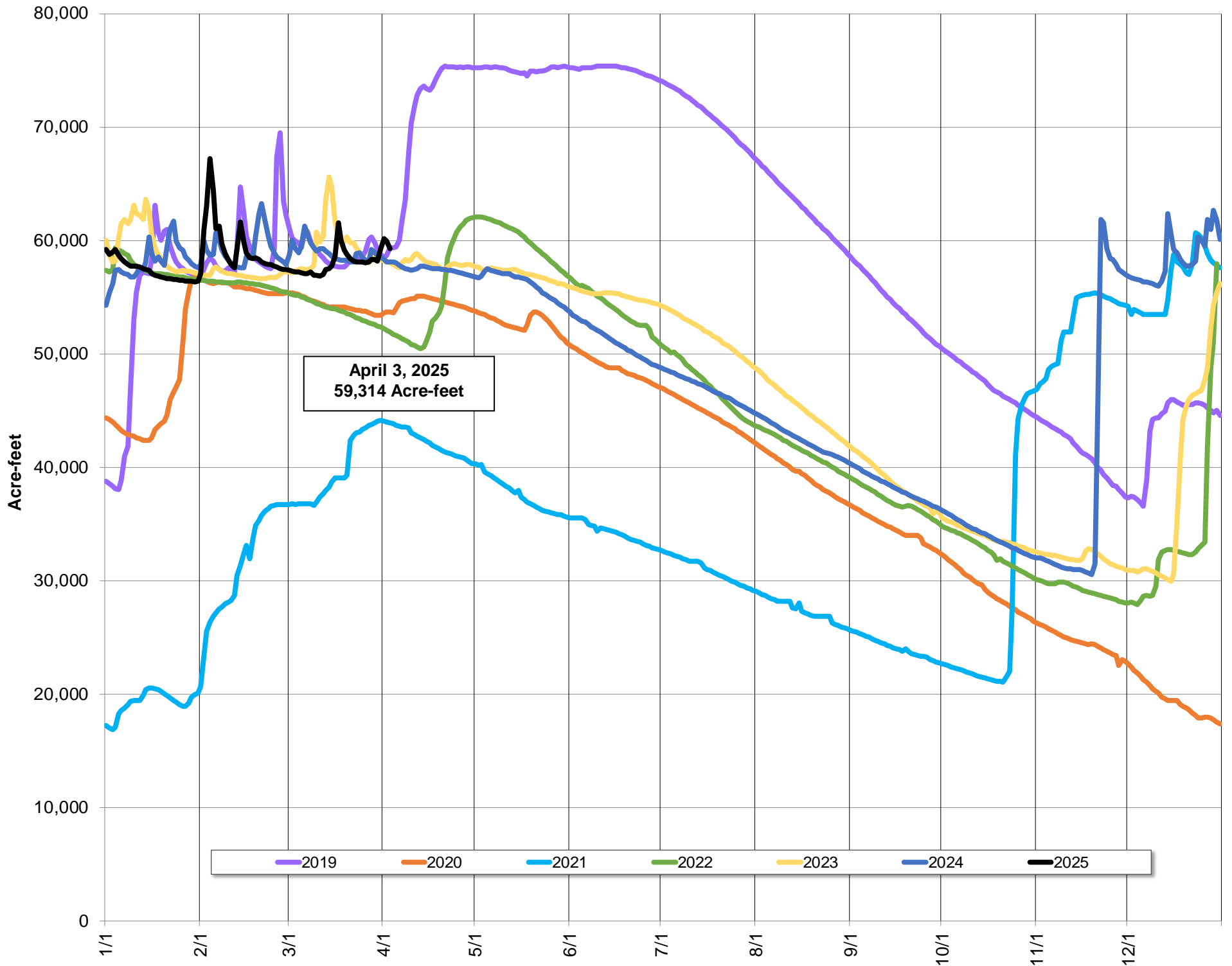
Potter Valley Project

PVP Diversion (cfs)	April 3, 2025	45
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2024 - April 3, 2025	538,014	2,908
	Last 7 days	29,423	4,203

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2019 - 2025 and Target Storage Scenarios

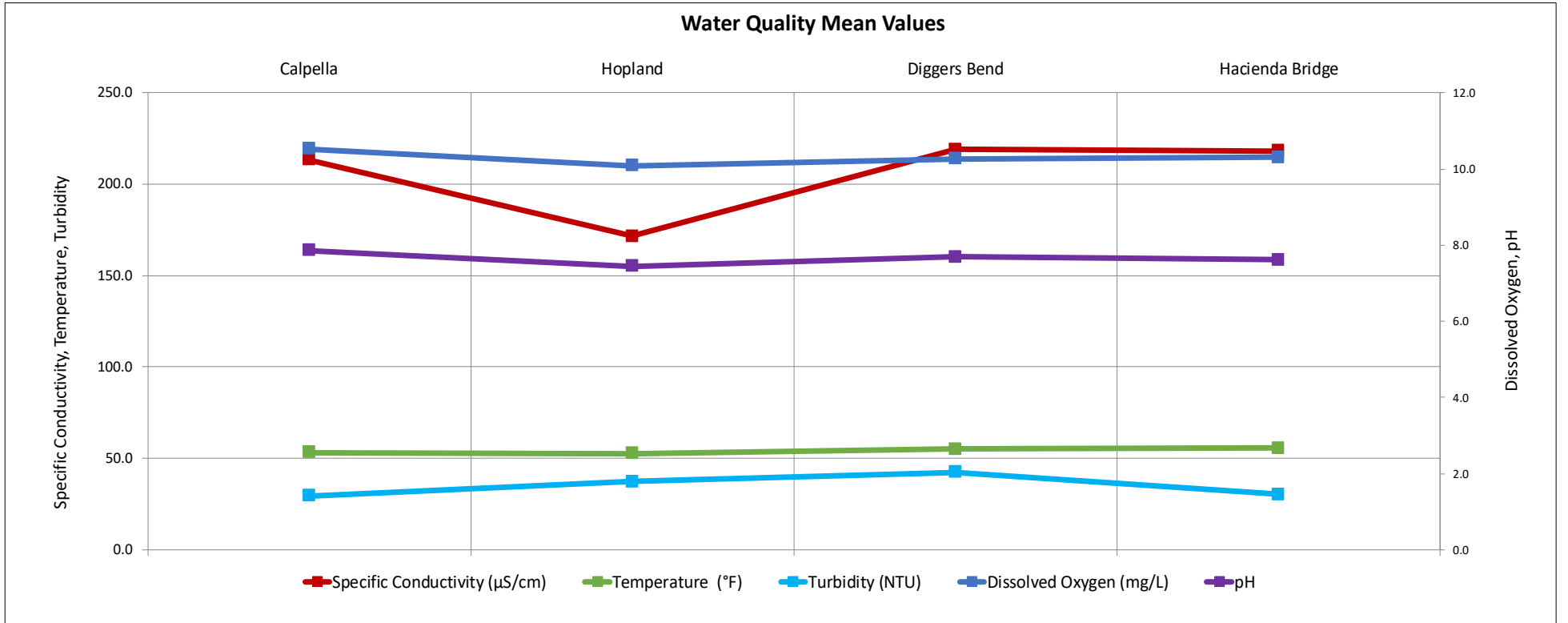


Russian River Flows (March 28, 2025 - April 3, 2025)

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	47.8	48.9		50.7	50.9		52.3	
	Max	56.8	55.2		57.7	57.6		57.2	
	Mean	53.0	52.6		54.6	55.0		55.5	
Specific Conductivity (µS/cm)	Min	127.0	116.0			153.0		166.0	
	Max	245.0	205.0			257.0		236.0	
	Mean	213.3	171.5			219.1		218.2	
Dissolved Oxygen (mg/L)	Min	9.8	9.4			9.7		10.0	
	Max	11.3	10.8			11.0		10.8	
	Mean	10.5	10.1			10.3		10.3	
Dissolved Oxygen (% Saturation)	Min	93.5	88.5			93.5		95.7	
	Max	101.1	95.9			100.9		100.6	
	Mean	96.9	92.3			96.9		97.9	
pH	Min	7.6	7.3			7.6		7.5	
	Max	8.1	7.6			7.8		7.7	
	Mean	7.9	7.5			7.7		7.6	
Turbidity (NTU)	Min	4.2	17.0			16.0		12.9	
	Max	205.0	130.0			136.0		97.5	
	Mean	29.5	37.3			42.4		30.1	

*Station operated seasonally

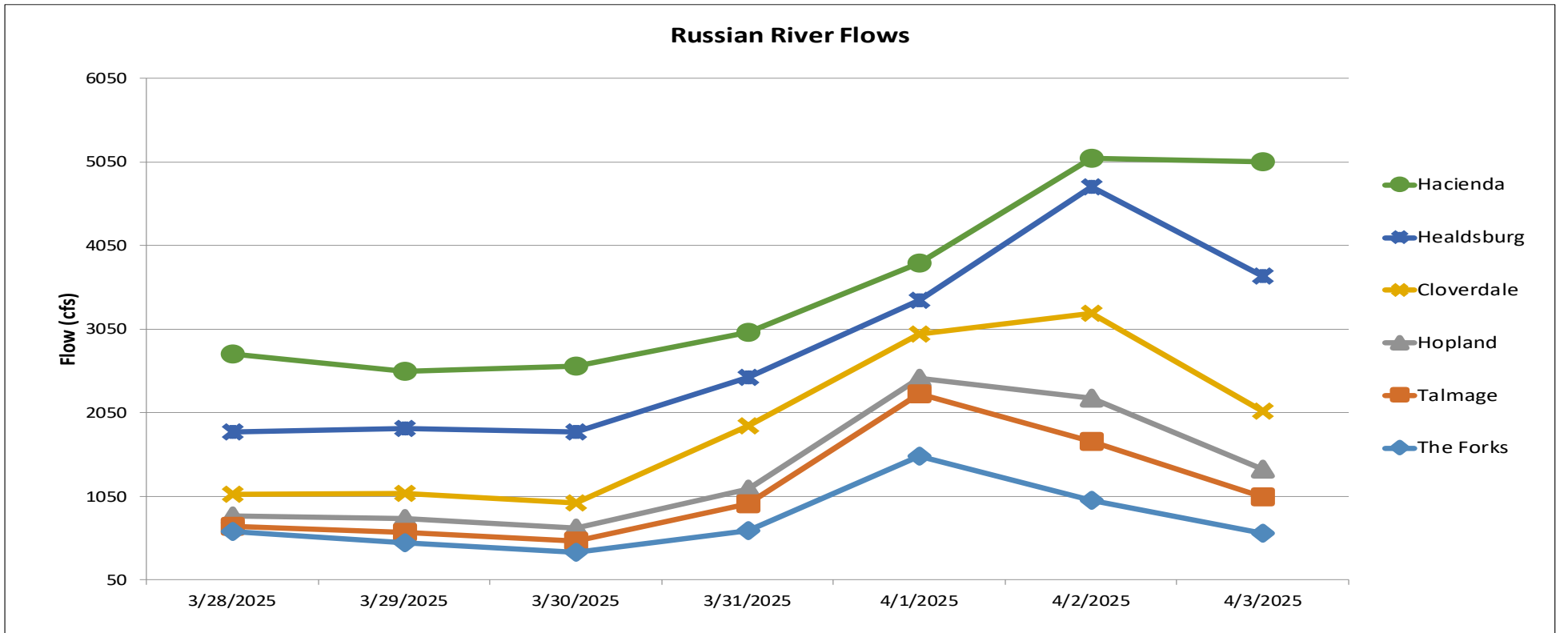
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Mar 28, 2025	Mar 29, 2025	Mar 30, 2025	Mar 31, 2025	Apr 1, 2025	Apr 2, 2025	Apr 3, 2025
The Forks*	627	497	376	640	1528	1003	608
Talmage USGS 11462080	695	618	515	962	2271	1703	1039
Hopland USGS 11462500	812	779	667	1141	2462	2222	1371
Cloverdale USGS 11463000	1079	1089	967	1890	2992	3241	2071
Healdsburg USGS 11464000	1821	1862	1819	2469	3395	4756	3688
Hacienda USGS 11467000	2754	2550	2607	3013	3837	5098	5053

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

Russian River Flows

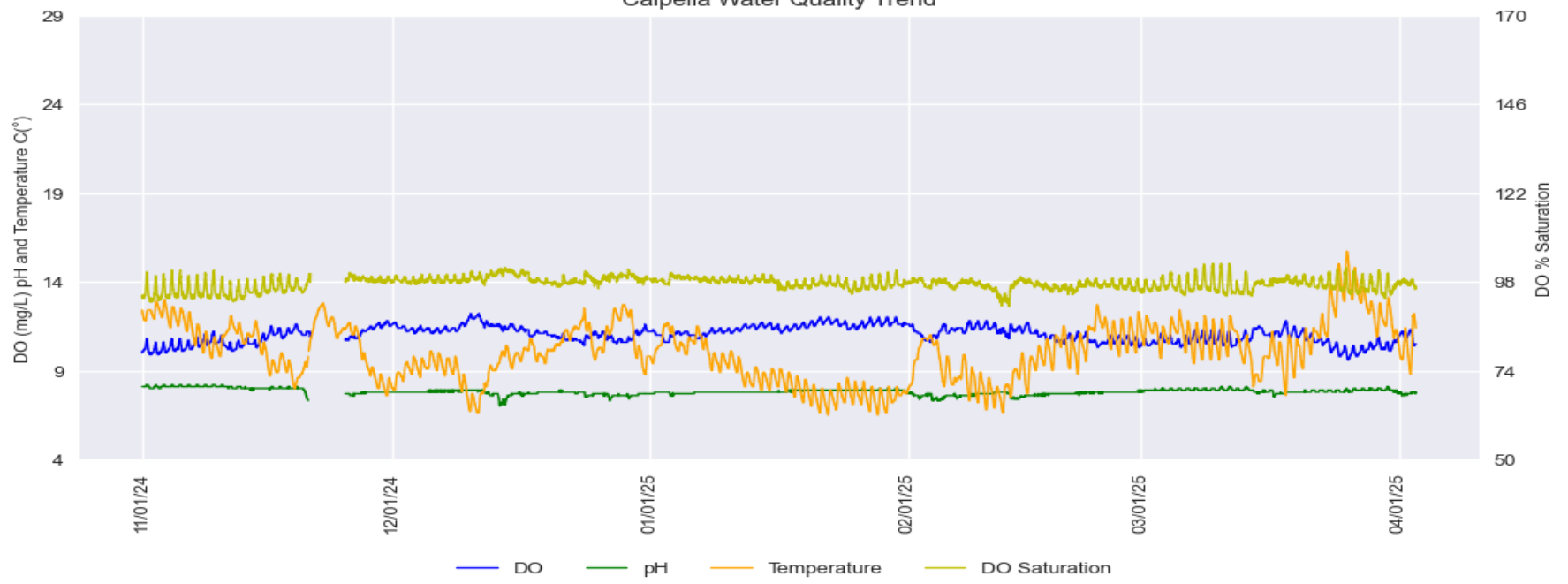


Russian River Water Quality November 1, 2024 – April 3, 2025

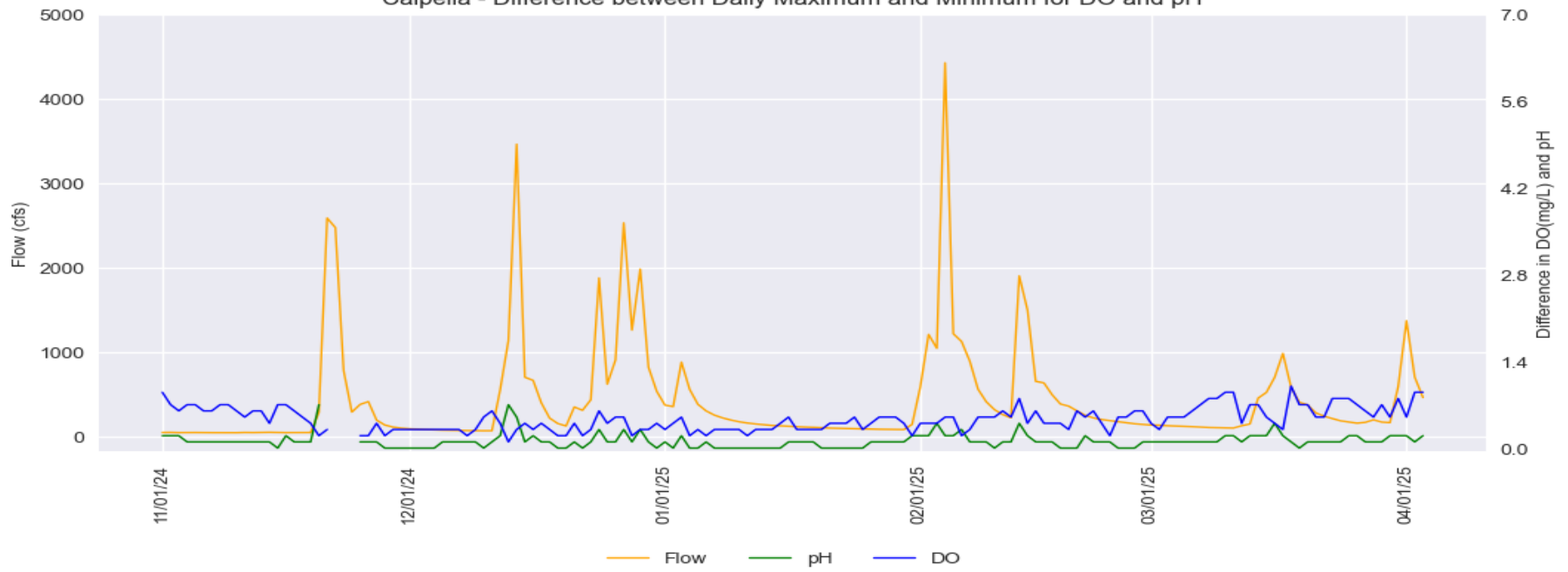
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

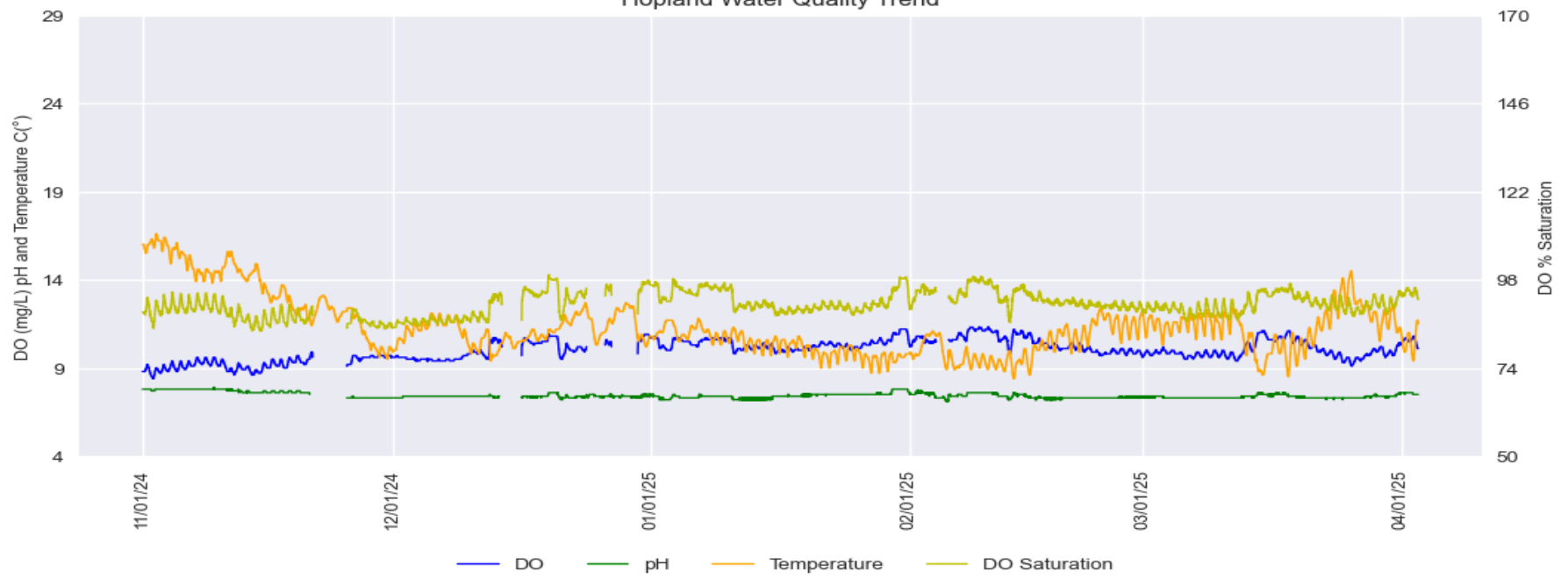


Calpella - Difference between Daily Maximum and Minimum for DO and pH

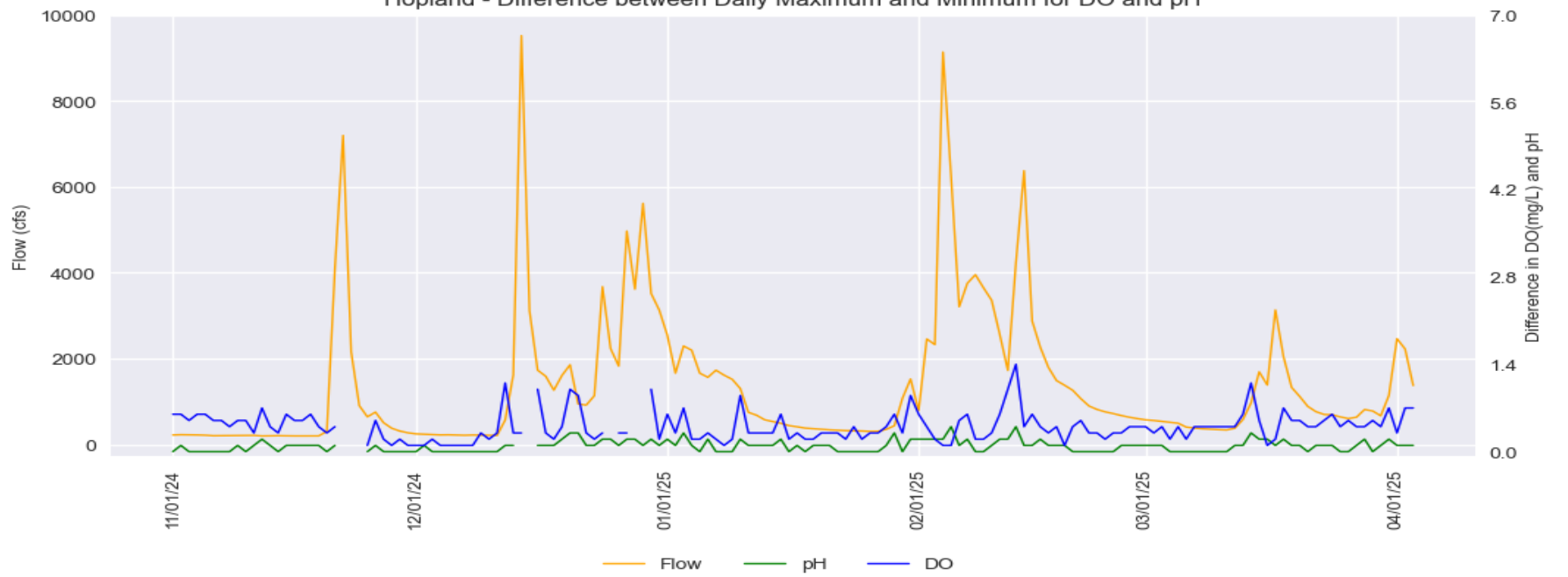


Hopland

Hopland Water Quality Trend



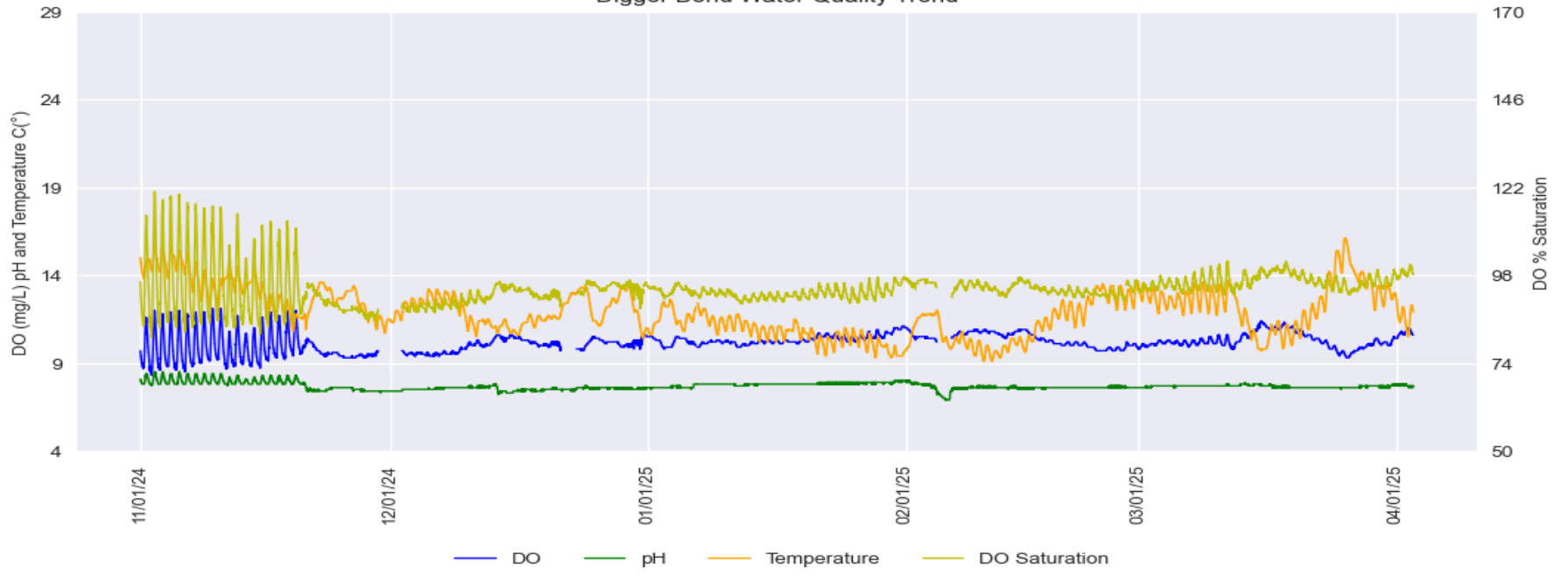
Hopland - Difference between Daily Maximum and Minimum for DO and pH



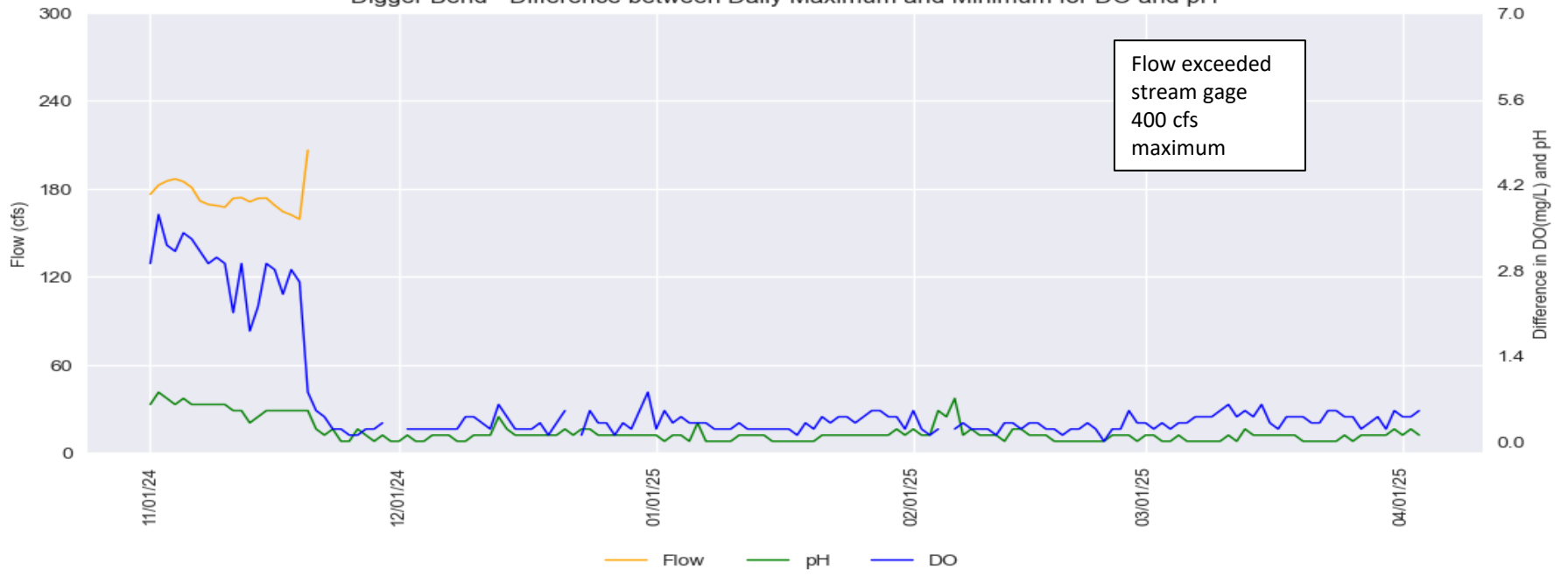
Russian River Water Quality November 1, 2024 – April 3, 2025

Provisional Data Subject to Revision
Digger Bend

Digger Bend Water Quality Trend

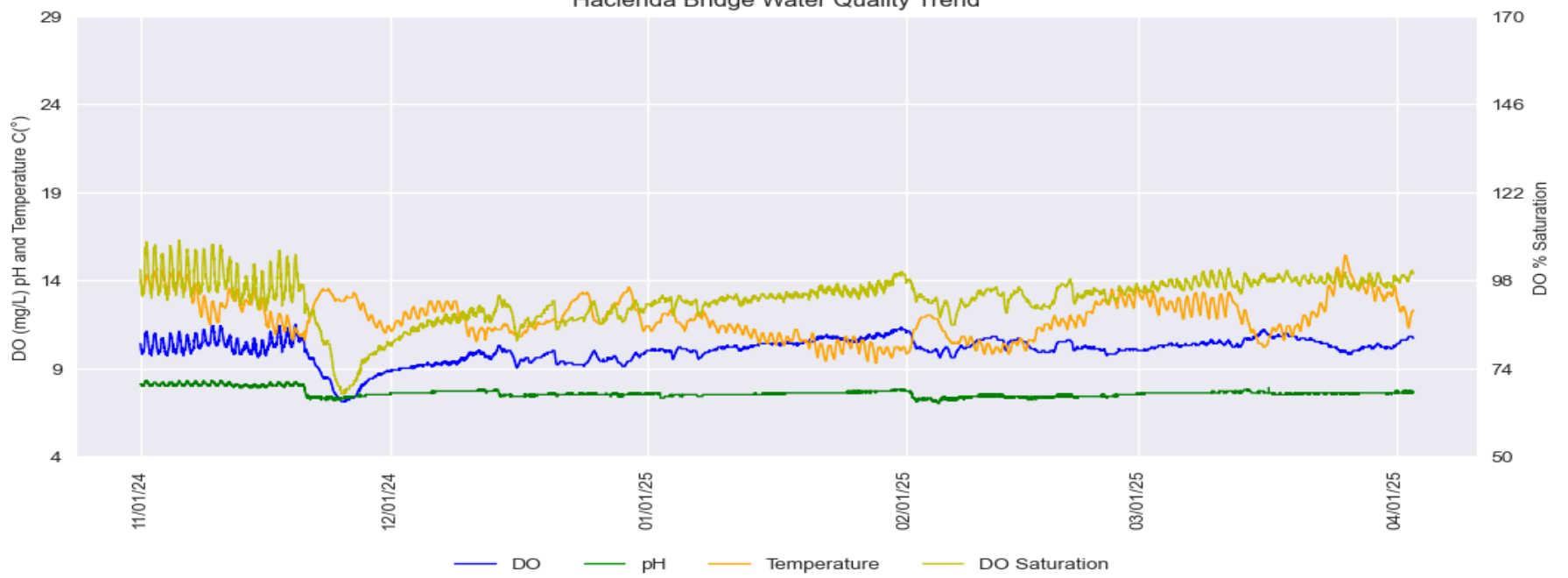


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

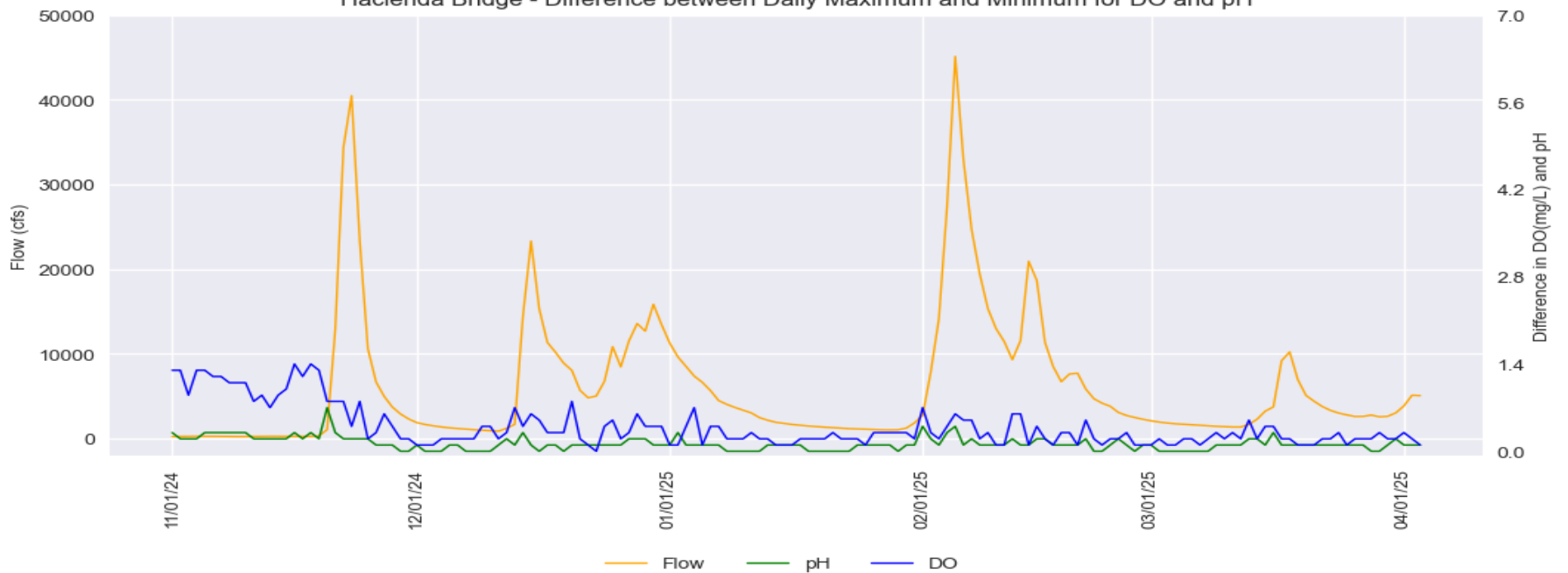


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

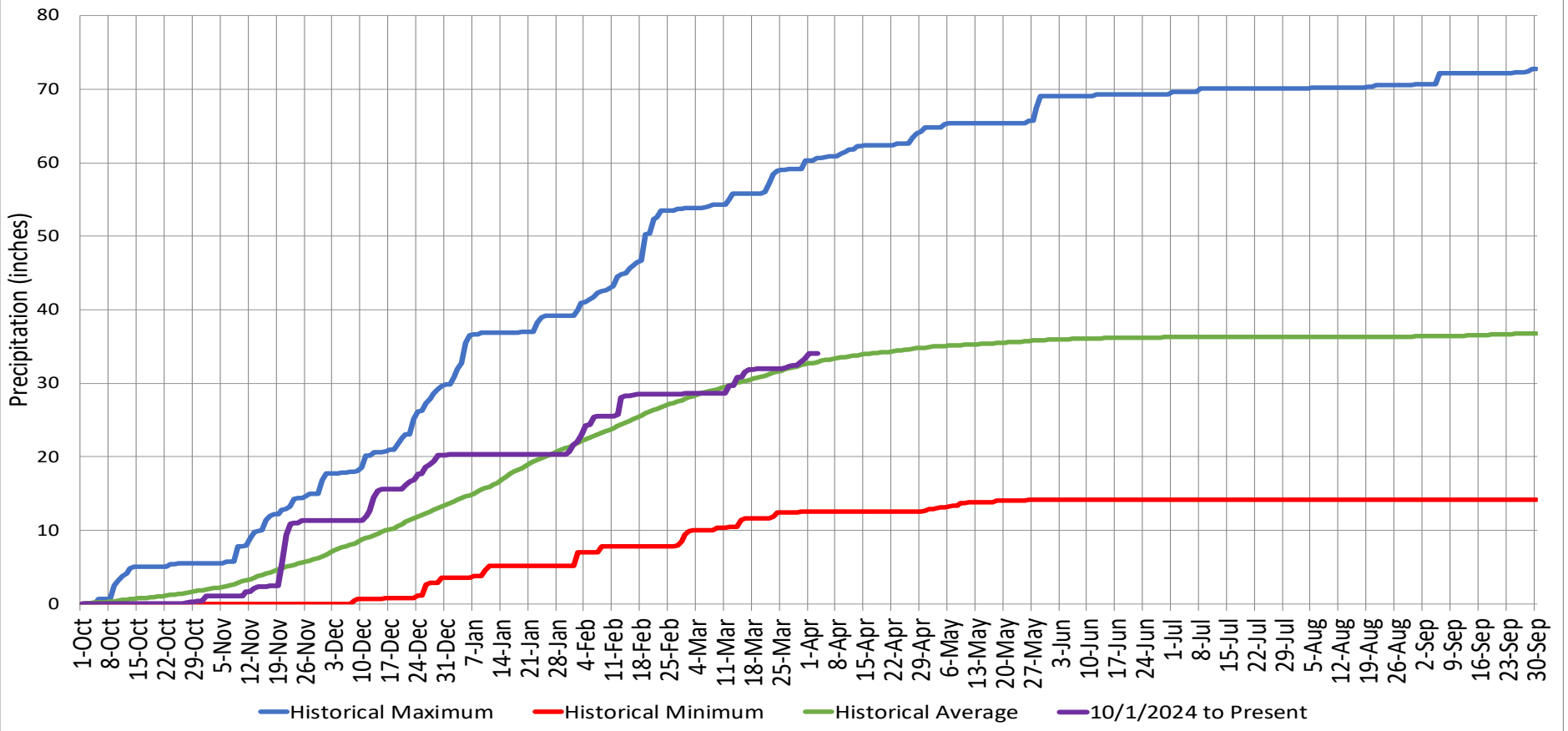


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

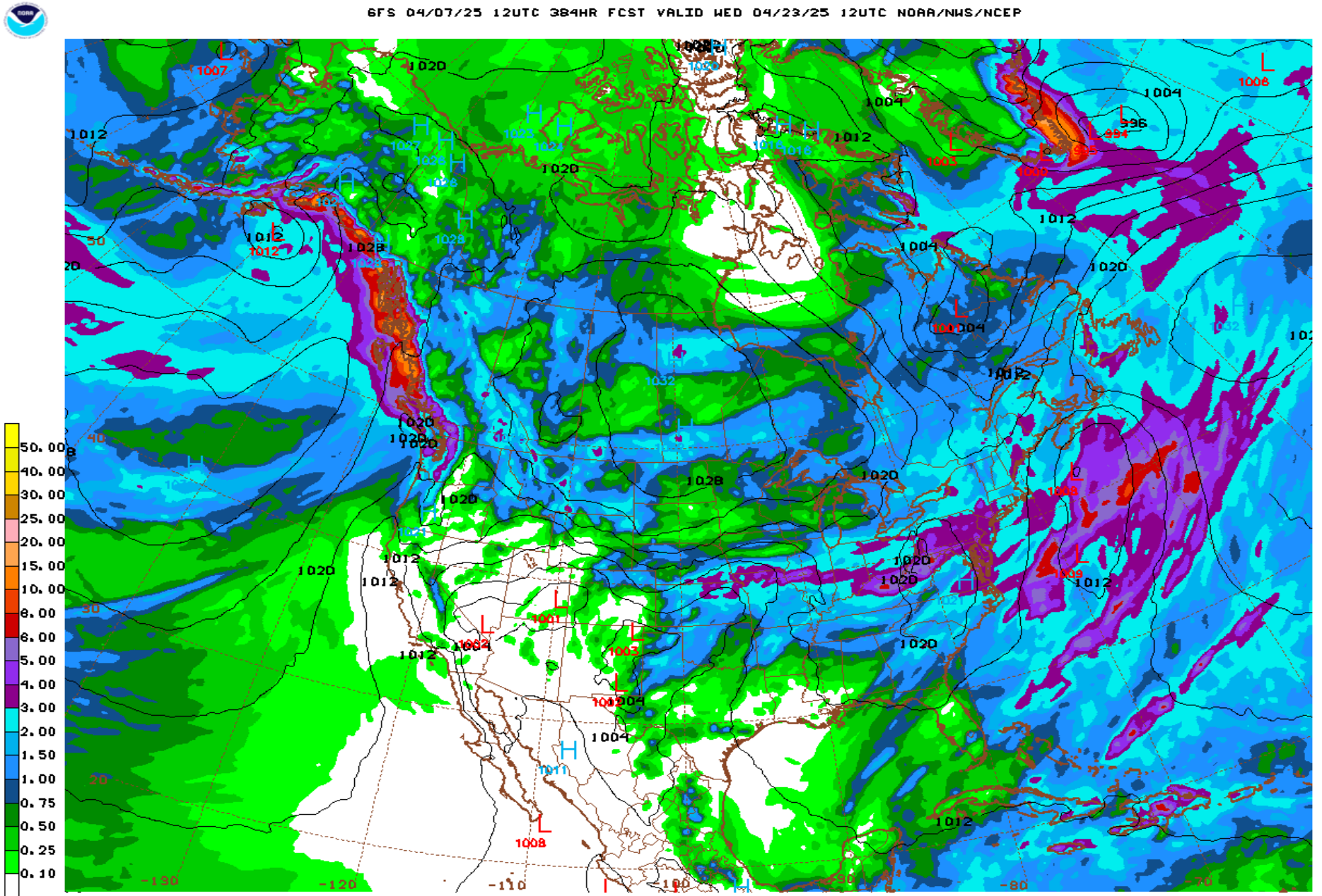
Date Range	Cumulative (inches)
Oct 1, 2024 - Apr 3, 2025	34.03
Last 7 Days*	1.74

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 04/07/25 12UTC 384HR FCST VALID WED 04/23/25 12UTC NOAA/NWS/NCEP

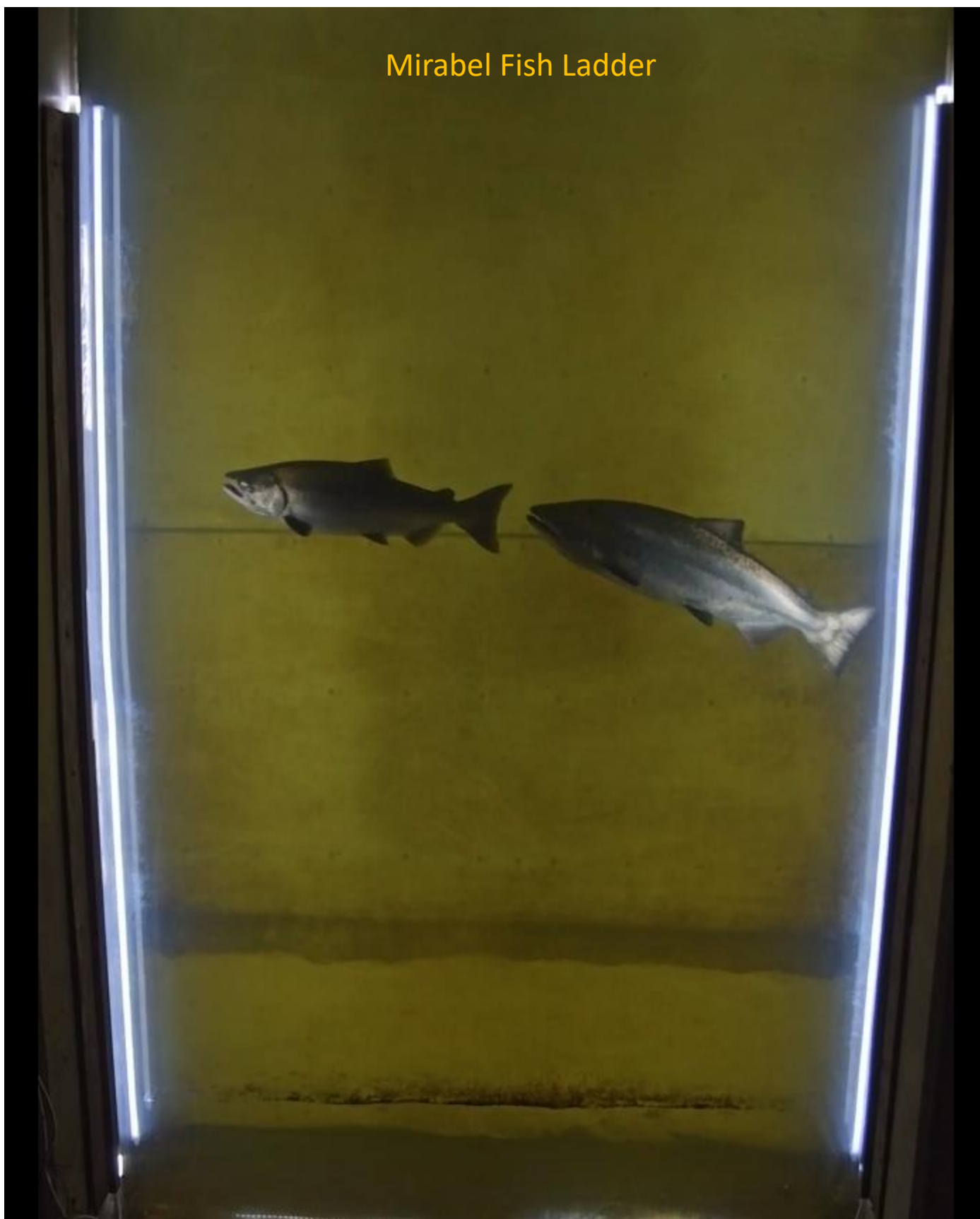


6FS WED 250423/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Apr 7 - Apr 23, 2025

Forecasted Cumulative (inches)
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.