



**State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 March 21, 2025 - March 27, 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).

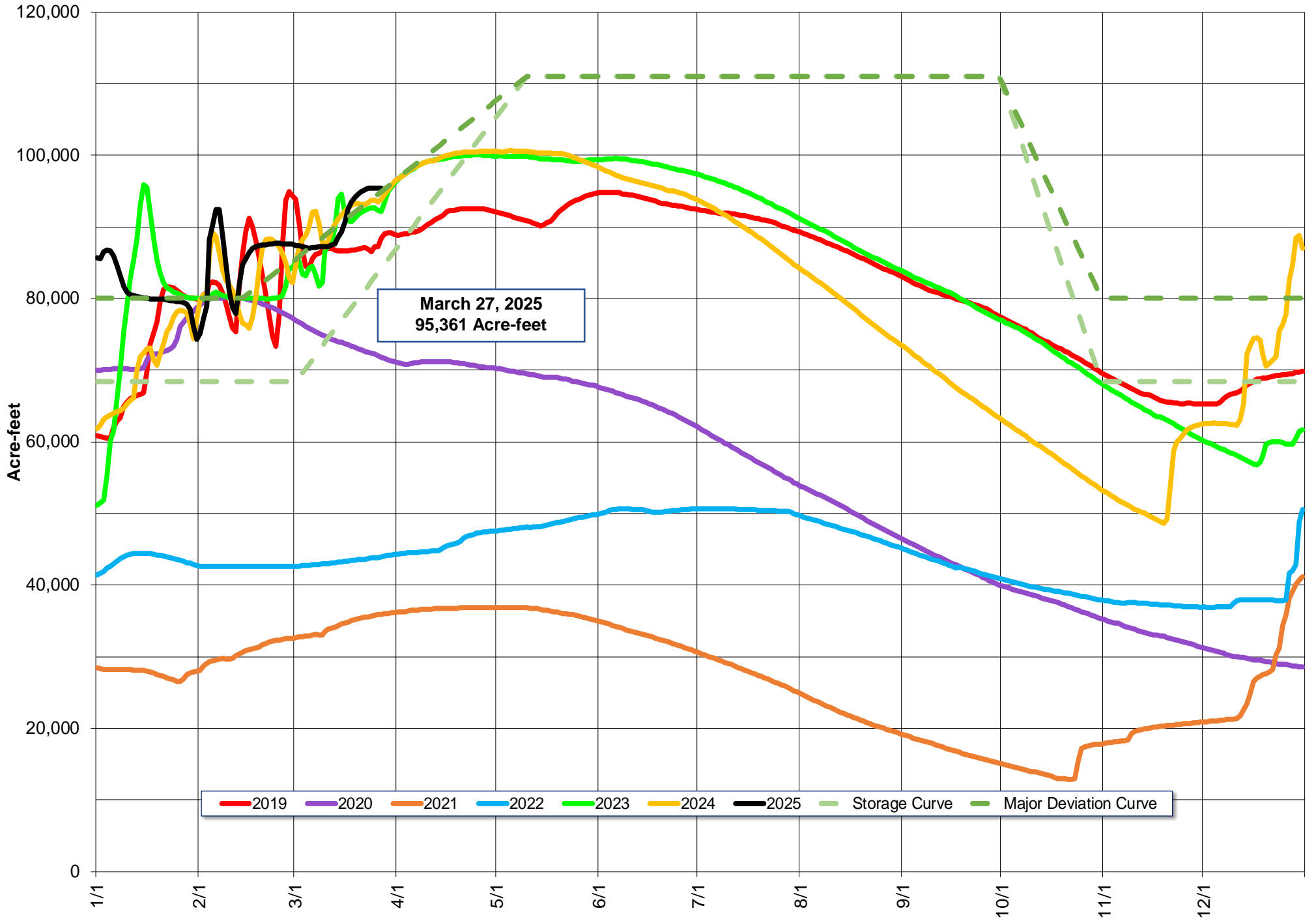
Instream Flow Requirements as of March 27, 2025

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	150	-
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



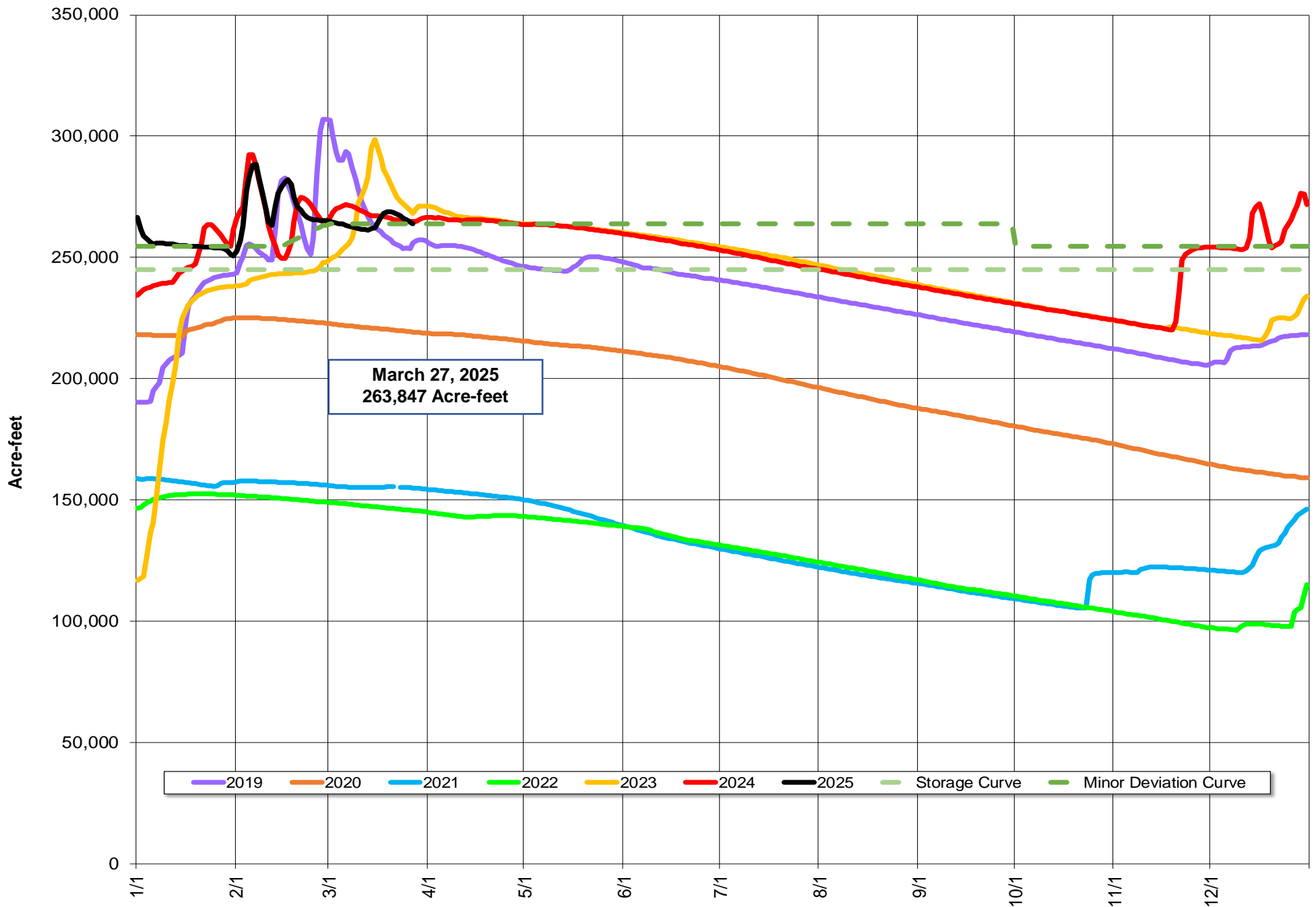
Storage (acre-feet)	March 27, 2025	95,361	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	7,679	256
Daily Inflow (cfs)	Last 7 days	Min	195
		Max	282
		Mean	238
Release (cfs)	Last 7 days	Min	98
		Max	296
		Mean	176

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025



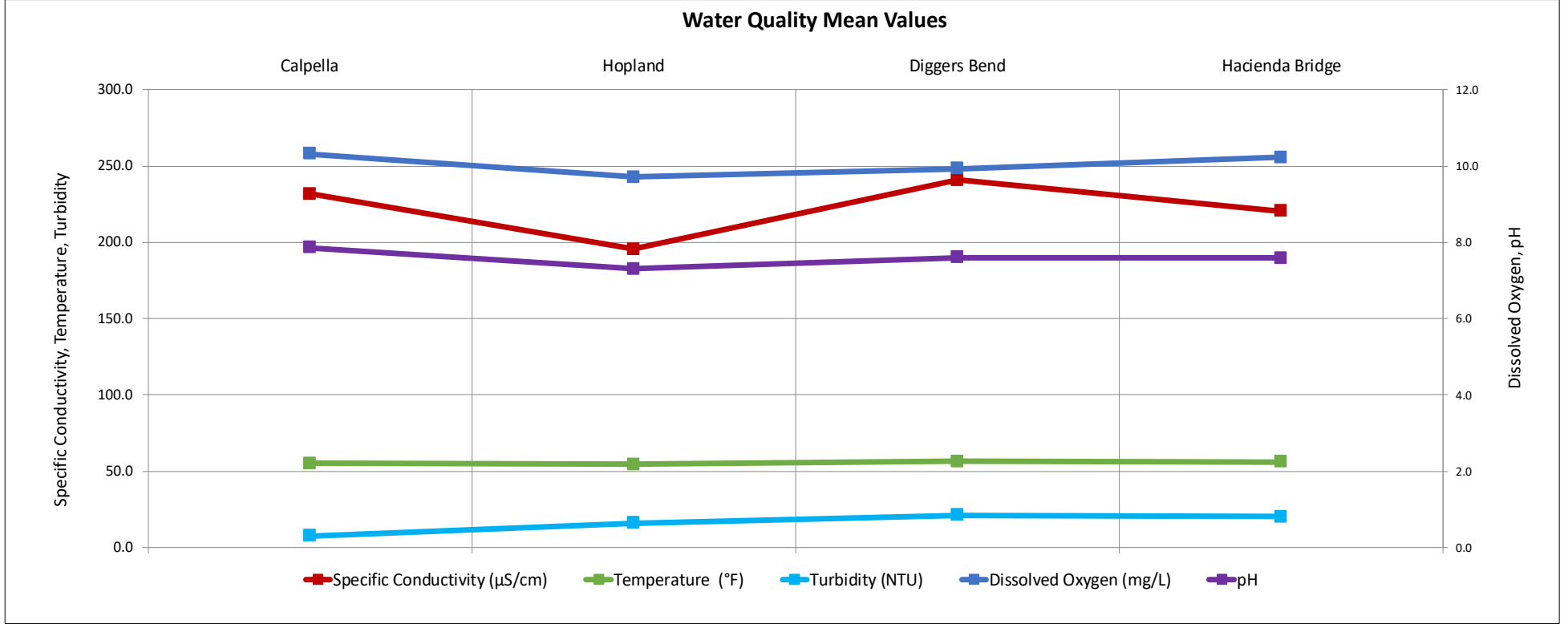
Storage (acre-feet)	March 27, 2025	263,847	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		-1,807	-60
	Last 7 days	-4,548	-650
Daily Inflow (cfs)	Last 7 days	Min	272
		Max	452
		Mean	346
Release (cfs)	Last 7 days	Min	700
		Max	705
		Mean	702

Russian River Flows (March 21, 2025 - March 27, 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	49.8	50.4		51.4	51.6		52.5	
	Max	60.3	58.1		61.0	61.0		59.7	
	Mean	54.9	54.3		56.2	56.4		56.0	
Specific Conductivity (µS/cm)	Min	212.0	174.0			204.0		202.0	
	Max	244.0	205.0			257.0		234.0	
	Mean	231.8	195.6			240.8		220.5	
Dissolved Oxygen (mg/L)	Min	9.6	9.1			9.3		9.8	
	Max	11.1	10.3			10.6		10.7	
	Mean	10.3	9.7			9.9		10.2	
Dissolved Oxygen (% Saturation)	Min	94.5	88.0			92.6		95.5	
	Max	101.8	93.9			98.3		100.3	
	Mean	97.3	90.9			95.4		97.8	
pH	Min	7.8	7.2			7.5		7.5	
	Max	8.0	7.4			7.7		7.6	
	Mean	7.9	7.3			7.6		7.6	
Turbidity (NTU)	Min	4.7	12.5			14.5		12.9	
	Max	12.4	23.2			36.0		32.2	
	Mean	7.4	16.0			21.0		20.0	

*Station operated seasonally

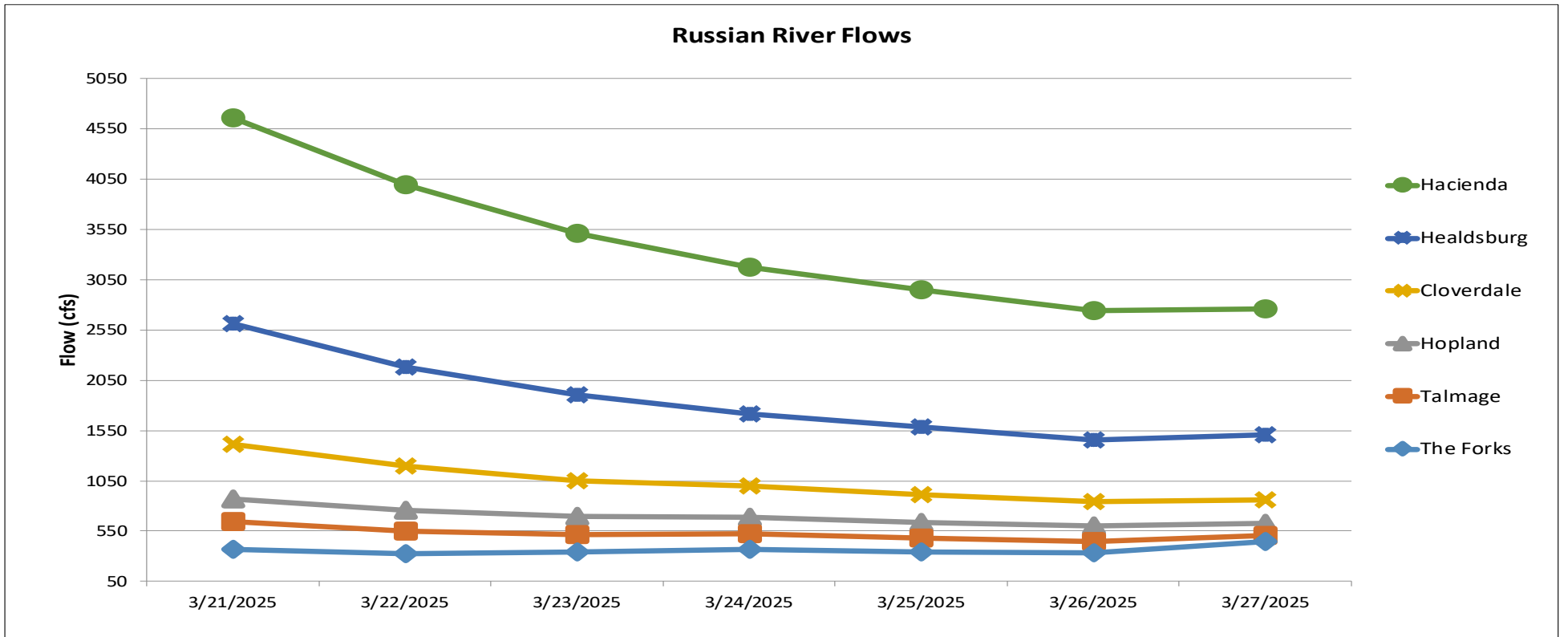
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Mar 21, 2025	Mar 22, 2025	Mar 23, 2025	Mar 24, 2025	Mar 25, 2025	Mar 26, 2025	Mar 27, 2025
The Forks*	370	323	342	364	345	333	445
Talmage USGS 11462080	646	548	518	523	480	447	507
Hopland USGS 11462500	868	753	692	684	638	601	630
Cloverdale USGS 11463000	1416	1194	1051	998	914	847	864
Healdsburg USGS 11464000	2609	2182	1904	1715	1584	1460	1504
Hacienda USGS 11467000	4661	3999	3515	3176	2945	2746	2759

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

Russian River Flows

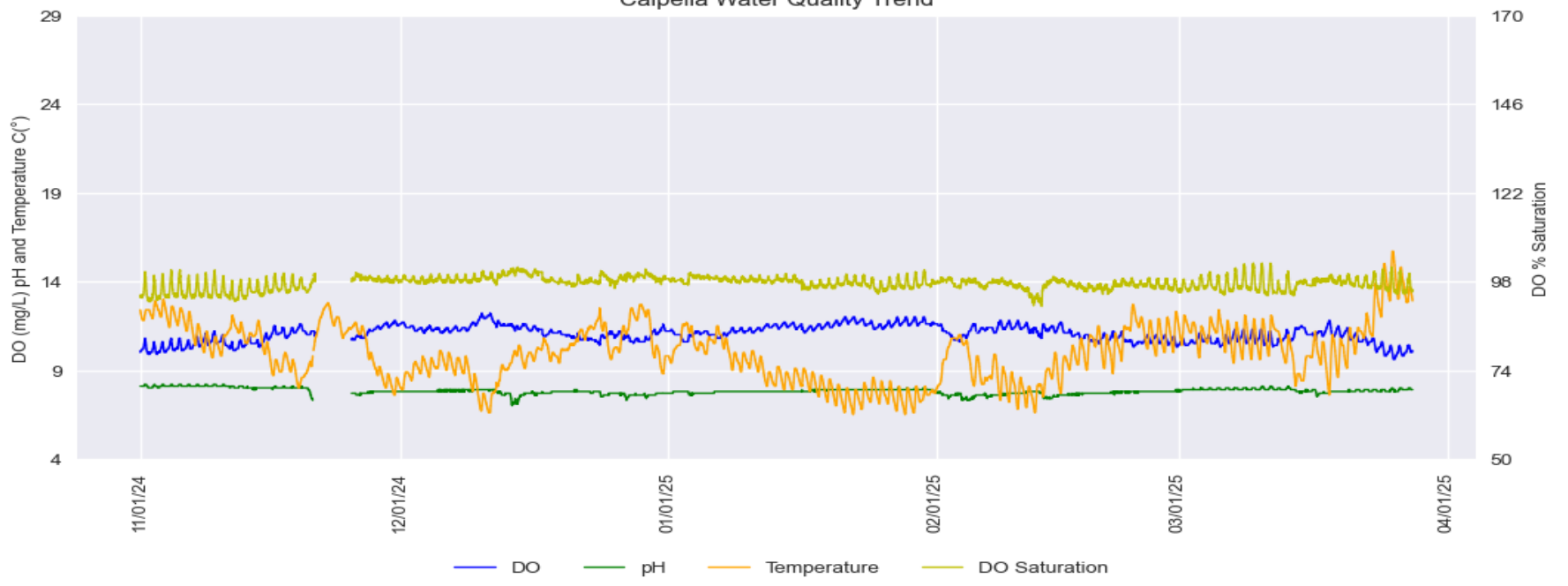


Russian River Water Quality November 1, 2024 – March 27, 2025

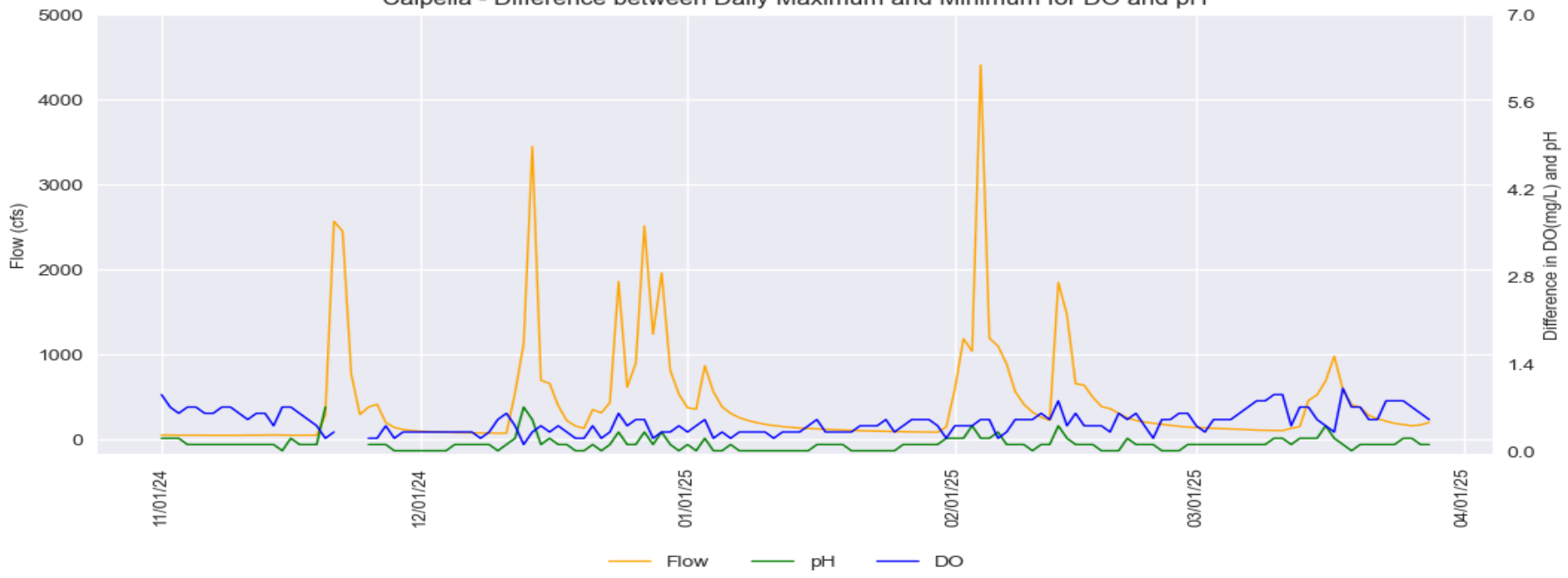
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

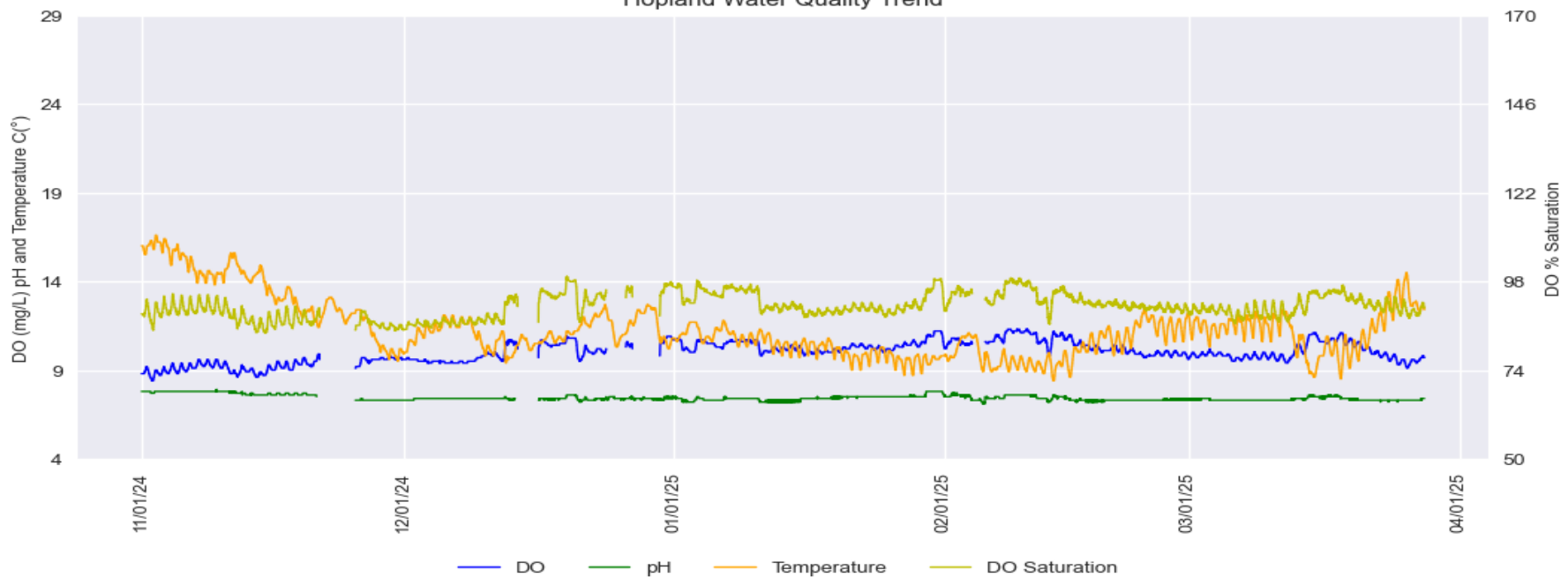


Calpella - Difference between Daily Maximum and Minimum for DO and pH

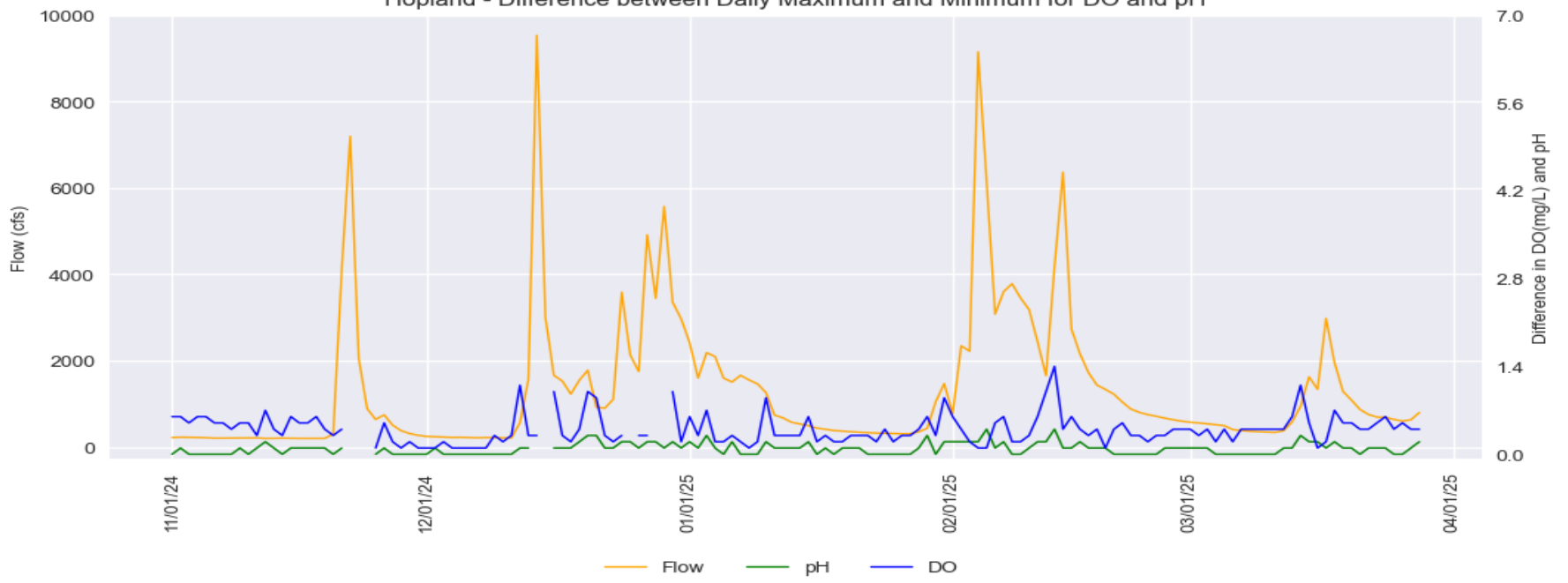


Hopland

Hopland Water Quality Trend



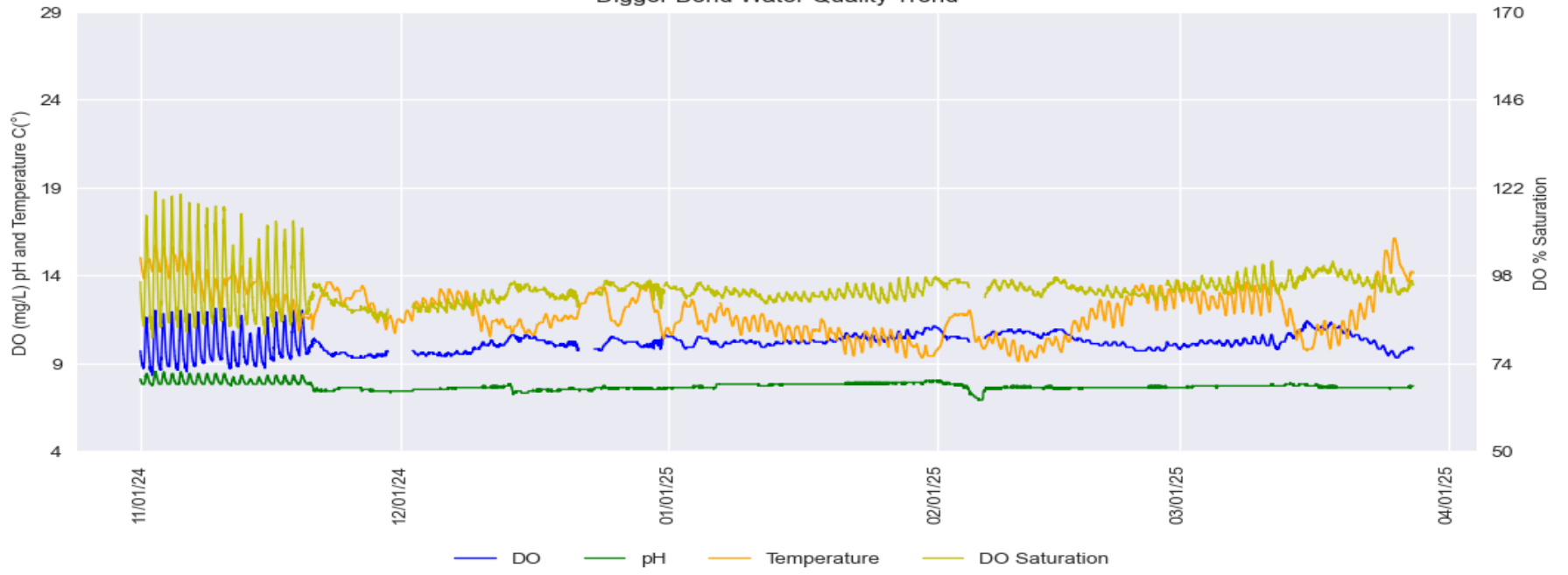
Hopland - Difference between Daily Maximum and Minimum for DO and pH



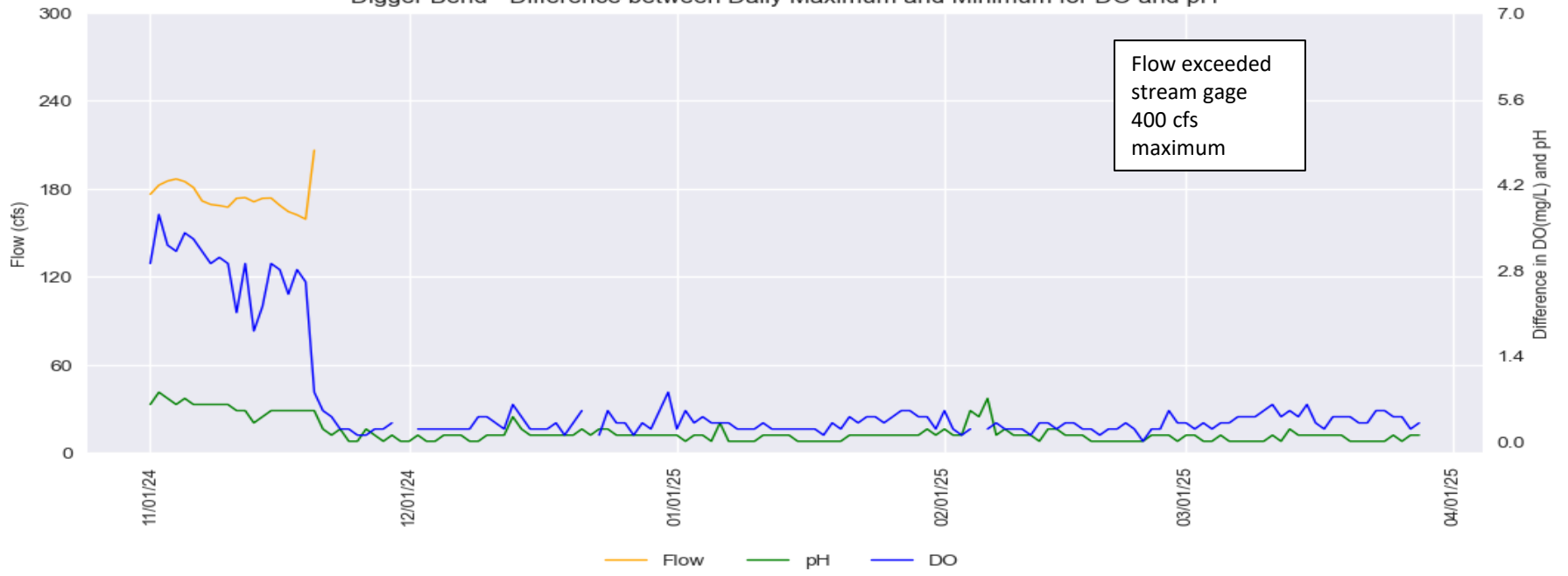
Russian River Water Quality November 1, 2024 – March 27, 2025

Provisional Data Subject to Revision
Digger Bend

Digger Bend Water Quality Trend

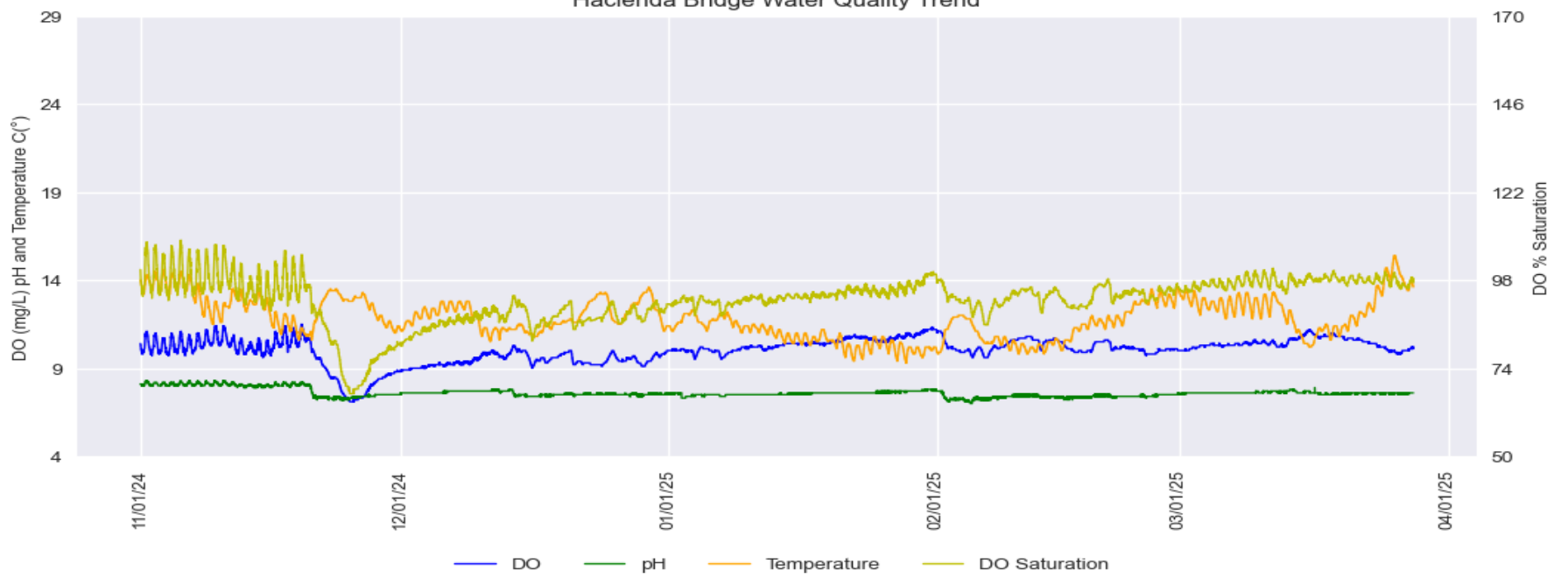


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

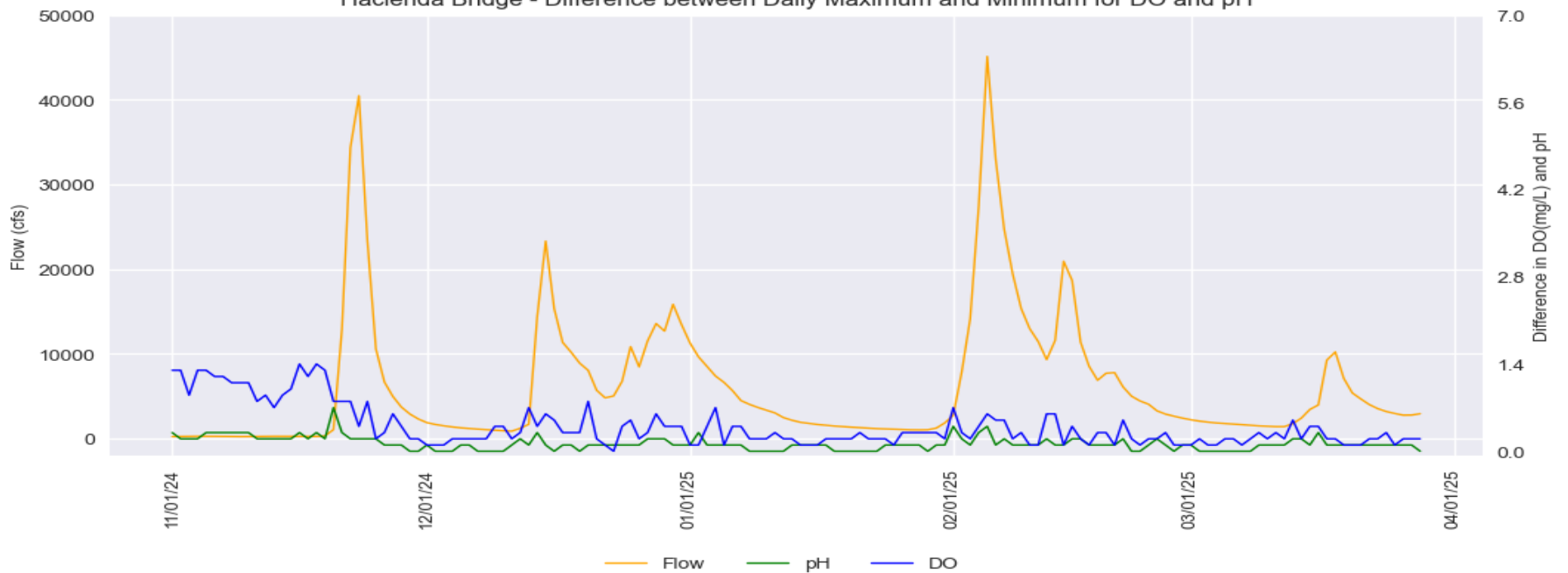


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

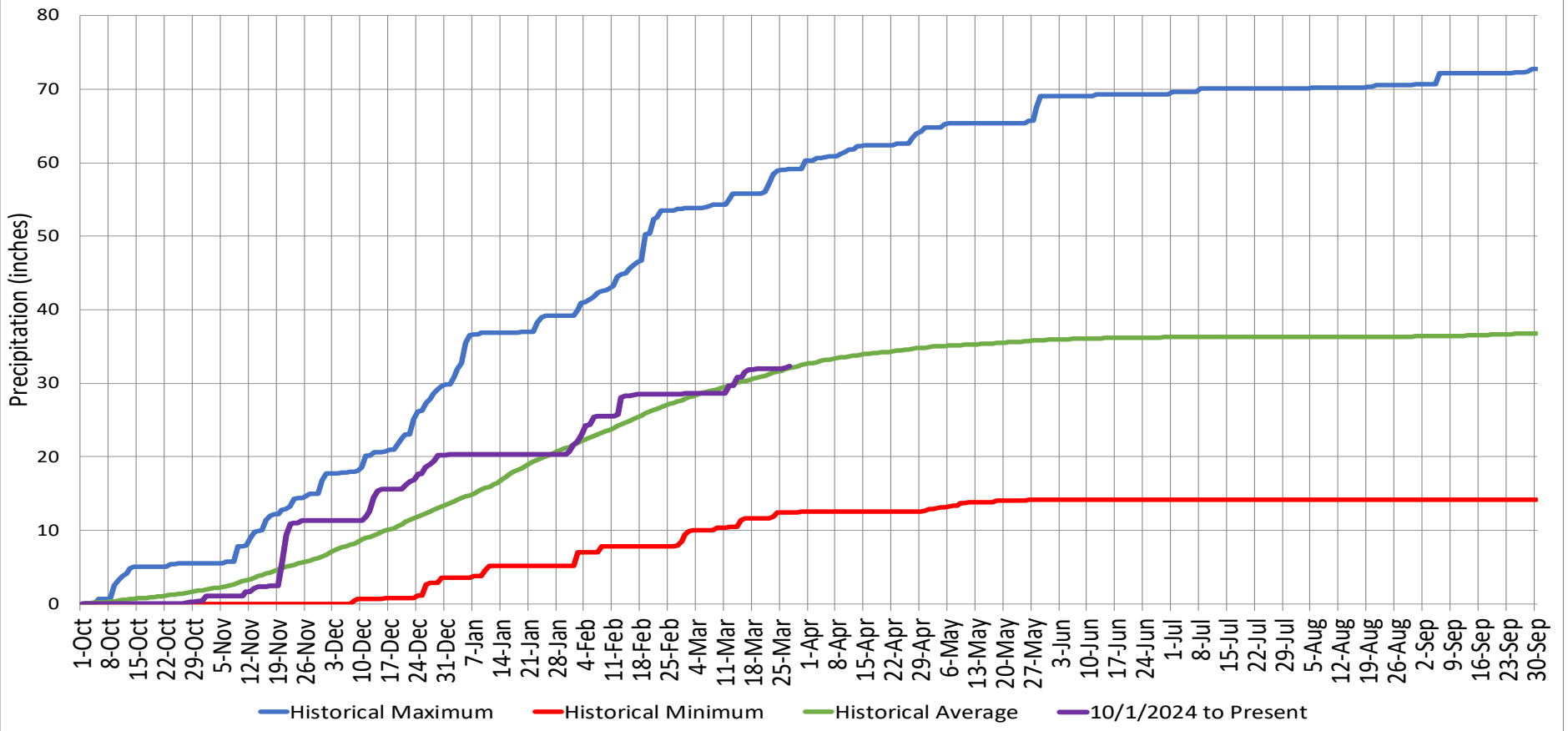


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

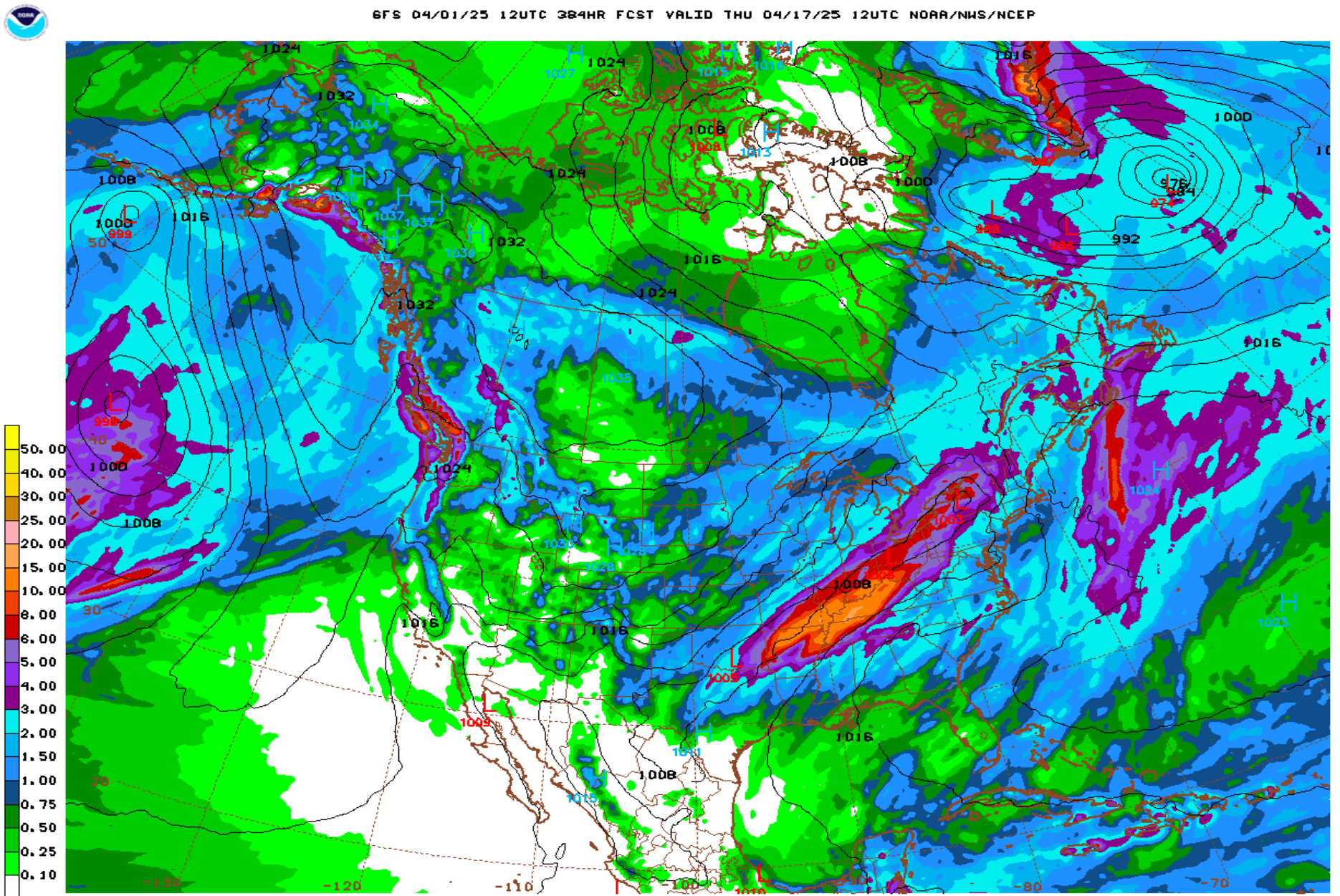
Date Range	Cumulative (inches)
Oct 1, 2024 - Mar 27, 2025	33.40
Last 7 Days*	0.29

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 04/01/25 12UTC 384HR FCST VALID THU 04/17/25 12UTC NOAA/NWS/NCEP

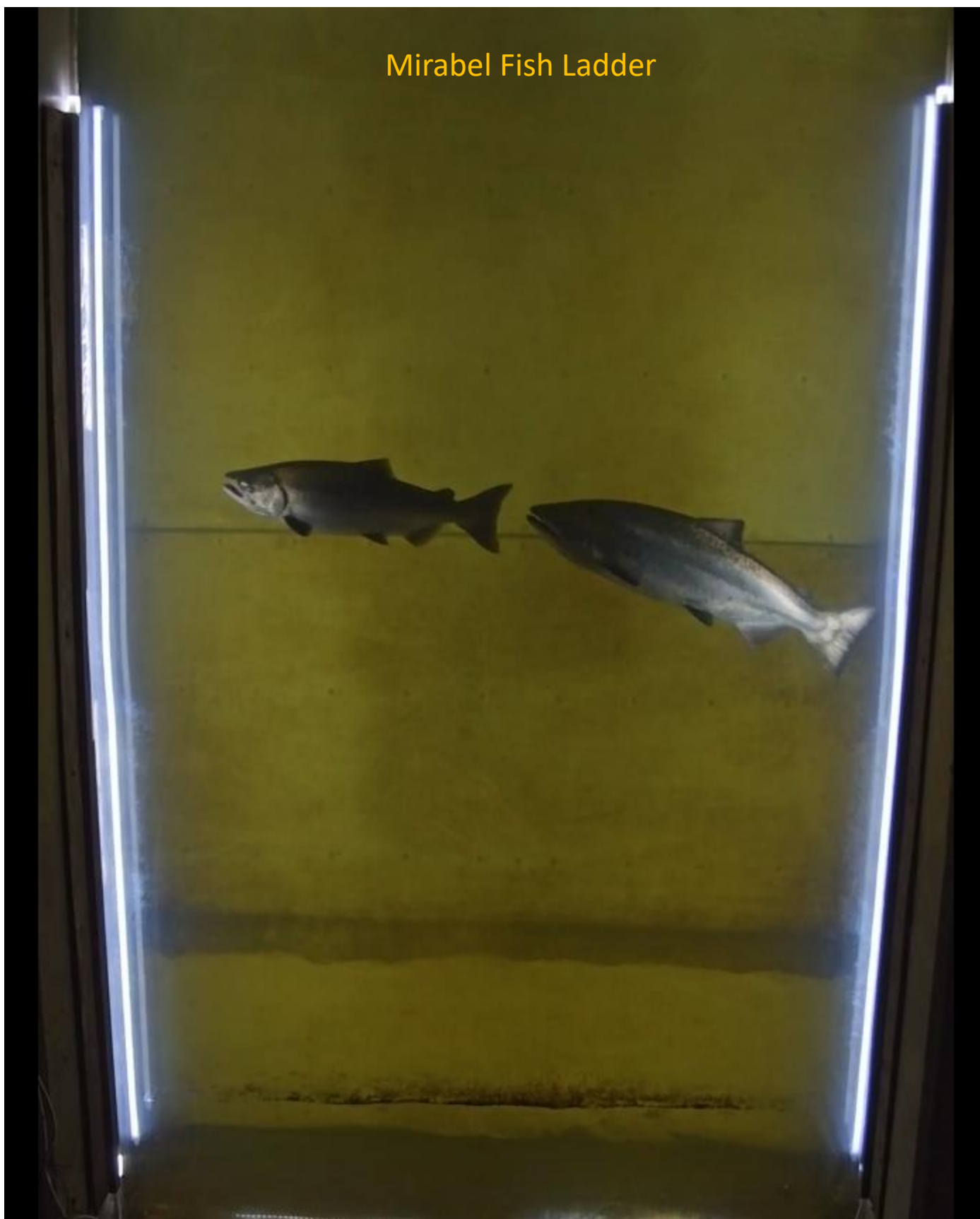


6FS THU 250417/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Apr 1 - Apr 17, 2025

Forecasted Cumulative (inches)
0.14

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.