



State Water Resources Control Board  
 Temporary Urgency Change Orders (10/31/2024)  
 Russian River Hydrologic & Water Quality Report  
 March 14, 2025 - March 20, 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).

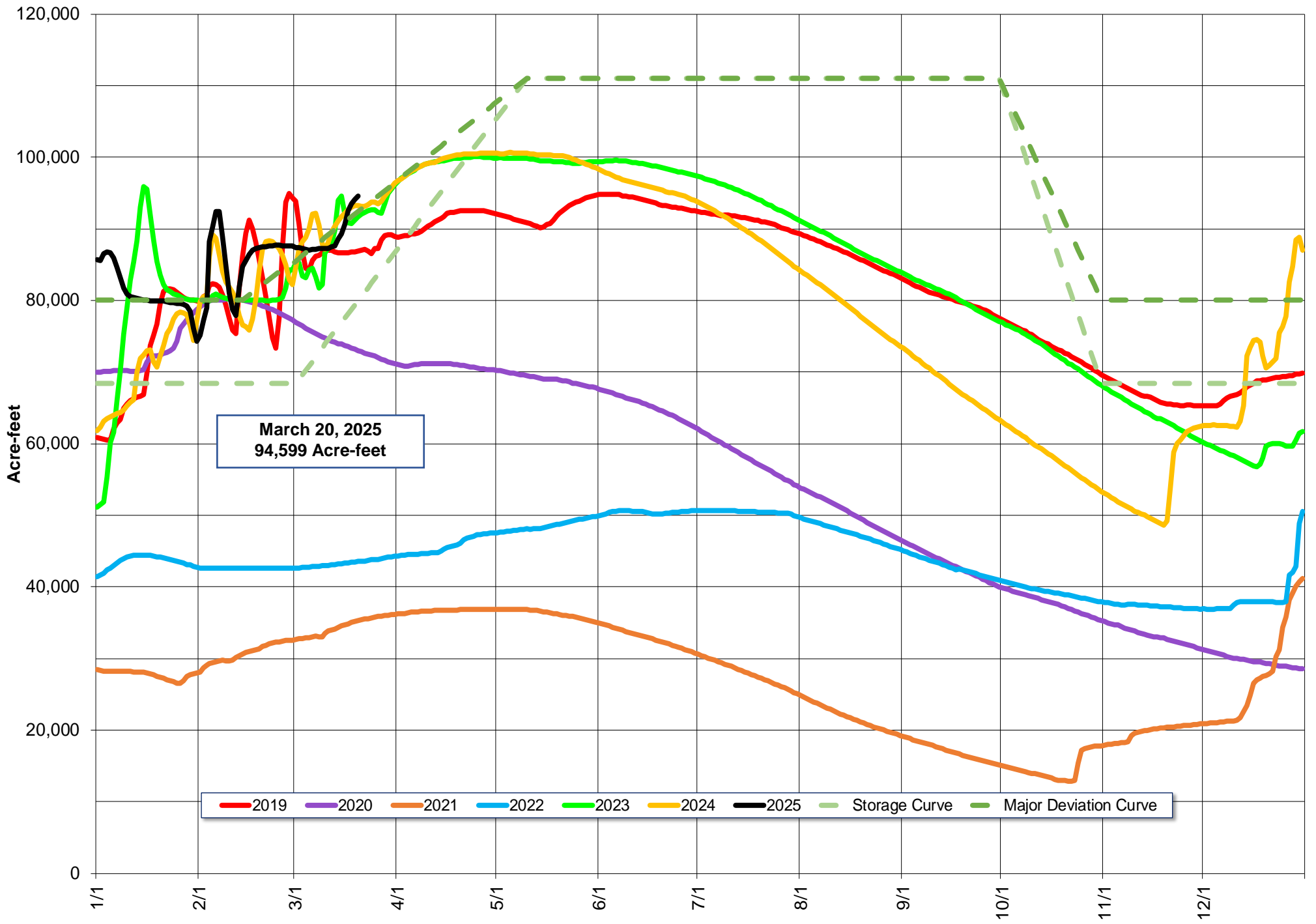
**Instream Flow Requirements as of March 20, 2025**

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	<b>150</b>	-
Modified Per Order: Normal Condition	Dry Creek	<b>75</b>	-
Modified Per Order: Normal Condition	Lower Russian River	<b>125</b>	-

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**



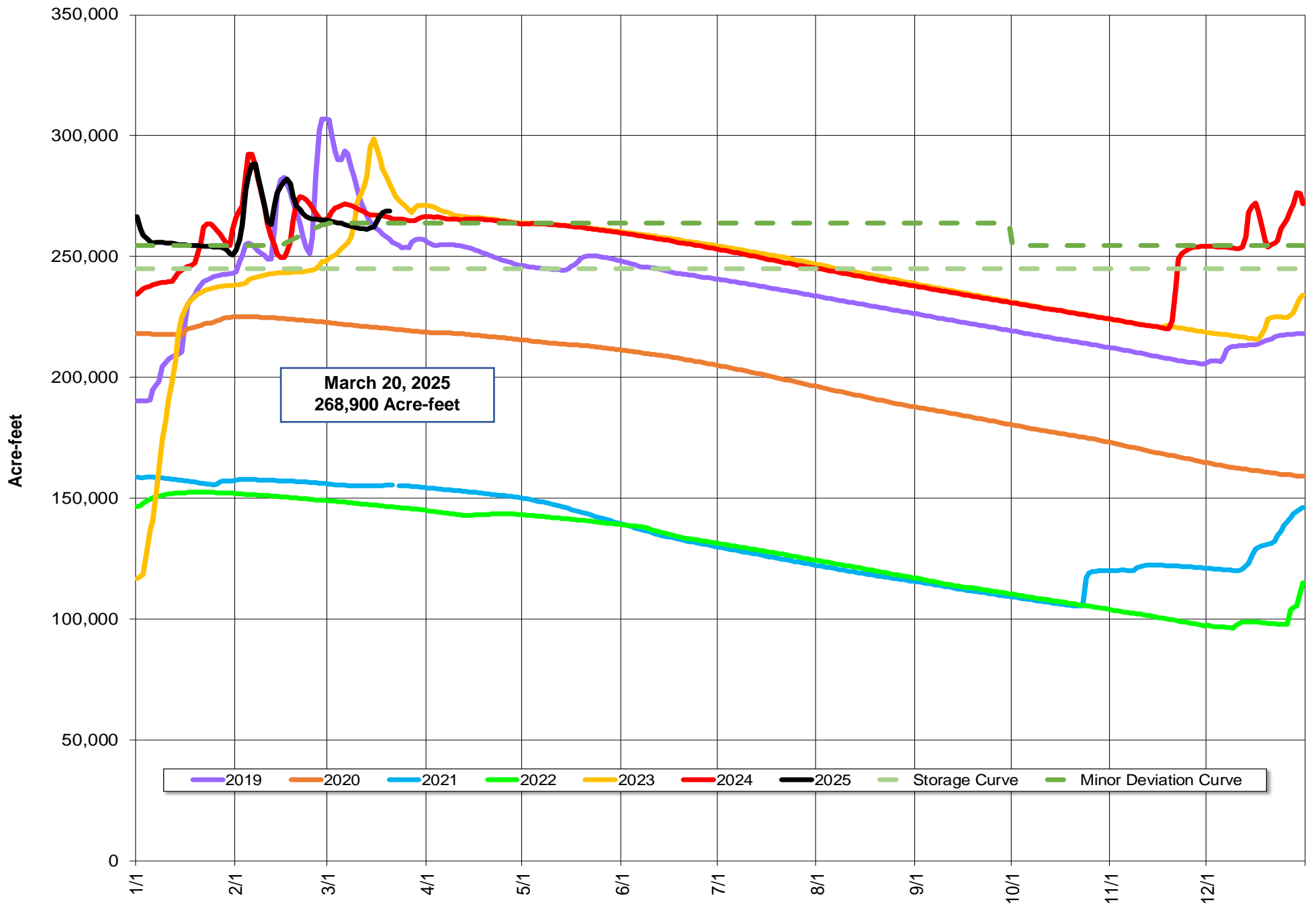
Storage (acre-feet)	March 20, 2025	<b>94,599</b>	
Change in Storage (acre-feet)	Last 30 days	<b>7,372</b>	<b>246</b>
	Last 7 days	<b>6,059</b>	<b>866</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>362</b>
		Max	<b>1,108</b>
		Mean	<b>604</b>
Release (cfs)	Last 7 days	Min	<b>98</b>
		Max	<b>103</b>
		Mean	<b>100</b>

# Lake Sonoma



Todd Schram, February 10, 2024

## Lake Sonoma Storage 2019-2025



Storage (acre-feet)	March 20, 2025	<b>268,900</b>	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		<b>-11,255</b>	<b>-375</b>
	Last 7 days	<b>6,879</b>	<b>983</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>449</b>
		Max	<b>1,702</b>
		Mean	<b>925</b>
Release (cfs)	Last 7 days	Min	<b>349</b>
		Max	<b>528</b>
		Mean	<b>375</b>

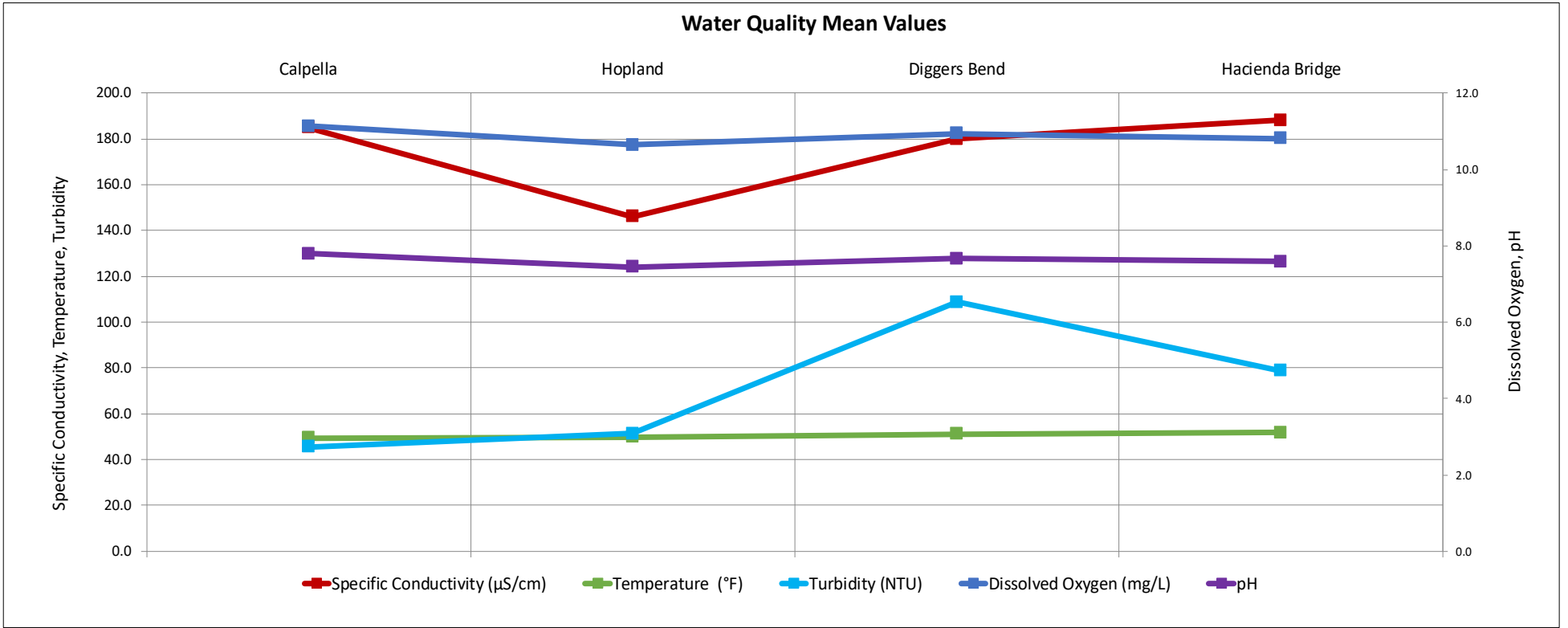


### Russian River Flows (March 14, 2025 - March 20, 2025)

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	45.7	47.3		48.9	49.5		50.4	
	Max	52.5	52.3		53.6	53.6		53.6	
	Mean	49.4	49.8		50.9	51.2		51.9	
Specific Conductivity (µS/cm)	Min	91.0	98.0			126.0		140.0	
	Max	243.0	203.0			246.0		244.0	
	Mean	184.9	146.2			180.1		188.2	
Dissolved Oxygen (mg/L)	Min	10.7	9.9			10.4		10.6	
	Max	11.8	11.1			11.4		11.2	
	Mean	11.1	10.6			10.9		10.8	
Dissolved Oxygen (% Saturation)	Min	94.1	88.8			94.3		96.1	
	Max	100.1	97.0			101.8		100.6	
	Mean	97.8	94.0			98.4		98.2	
pH	Min	7.5	7.3			7.6		7.5	
	Max	7.9	7.6			7.8		7.9	
	Mean	7.8	7.5			7.7		7.6	
Turbidity (NTU)	Min	6.9	12.8			29.0		22.8	
	Max	454.0	236.0			455.0		312.0	
	Mean	45.6	51.4			108.8		78.7	

\*Station operated seasonally

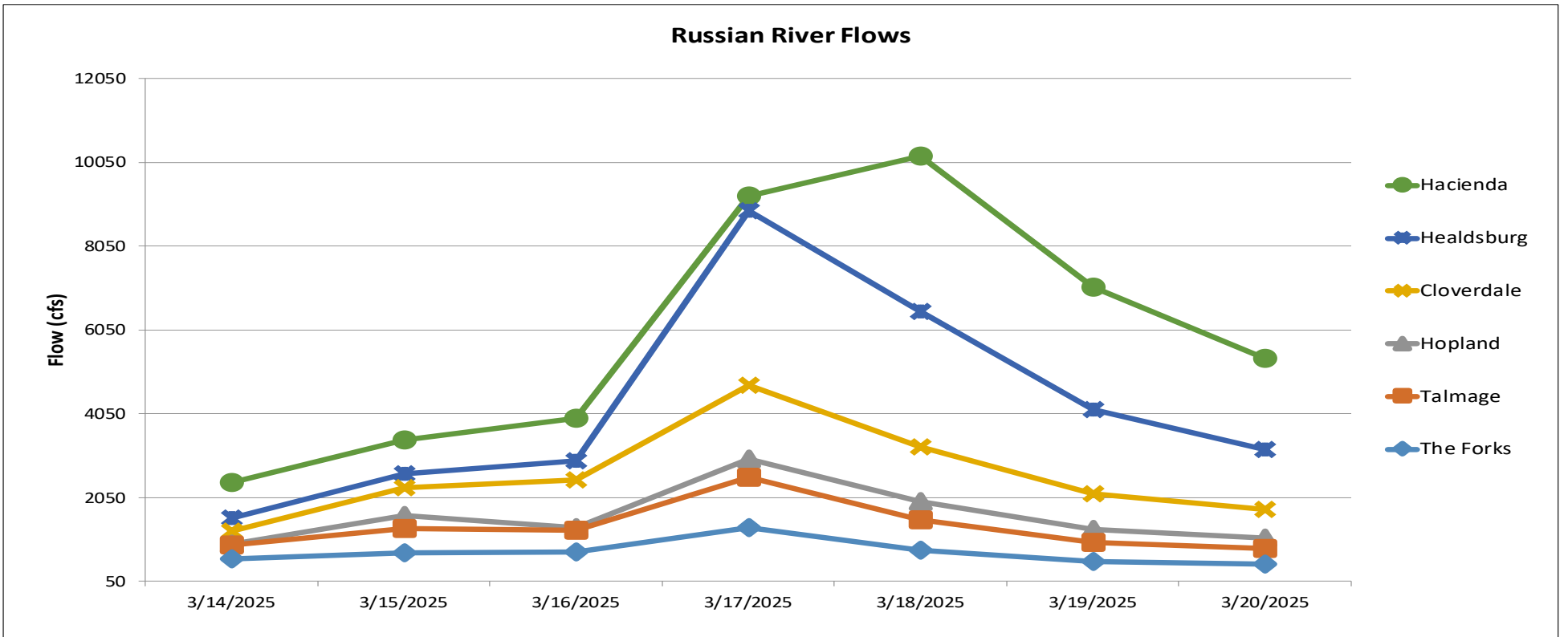
#### Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Mar 14, 2025	Mar 15, 2025	Mar 16, 2025	Mar 17, 2025	Mar 18, 2025	Mar 19, 2025	Mar 20, 2025
The Forks*	578	731	754	1340	786	530	468
Talmage USGS 11462080	923	1312	1263	2541	1519	985	837
Hopland USGS 11462500	943	1624	1337	2975	1953	1286	1086
Cloverdale USGS 11463000	1241	2293	2470	4729	3263	2140	1763
Healdsburg USGS 11464000	1563	2612	2924	8891	6490	4150	3193
Hacienda USGS 11467000	2399	3418	3952	9240	10209	7081	5373

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

#### Russian River Flows

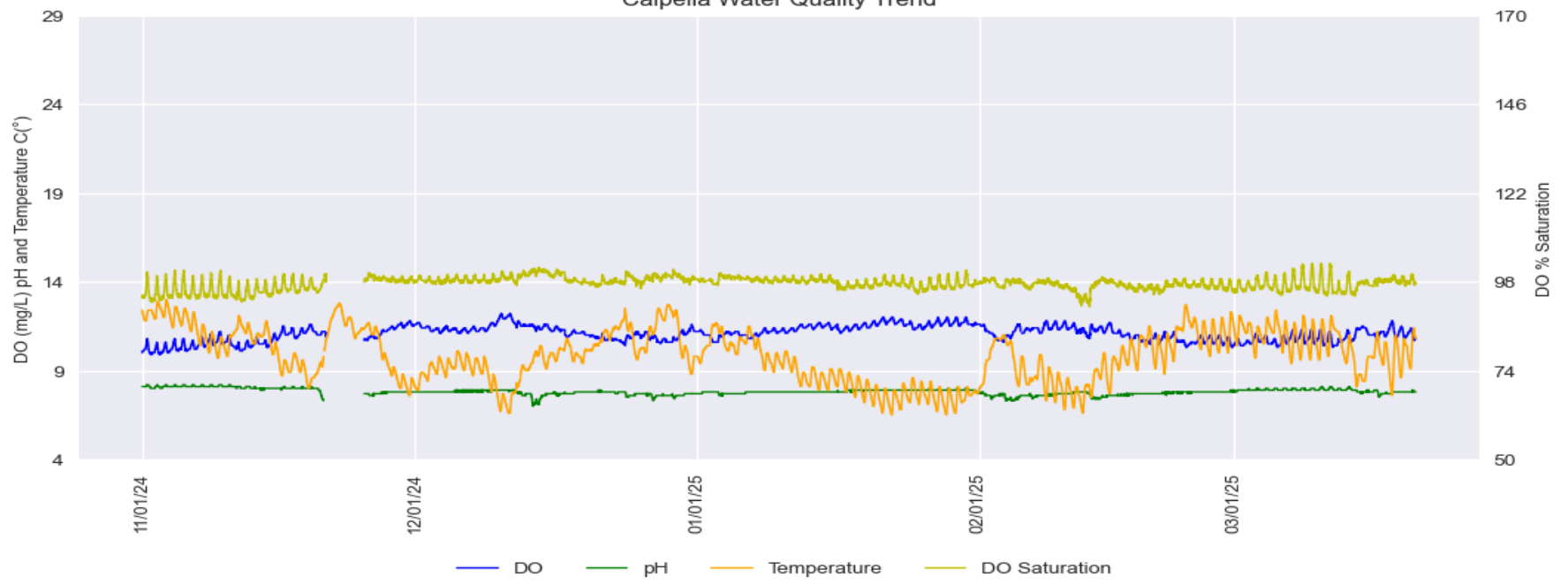


Russian River Water Quality November 1, 2024 – March 20, 2025

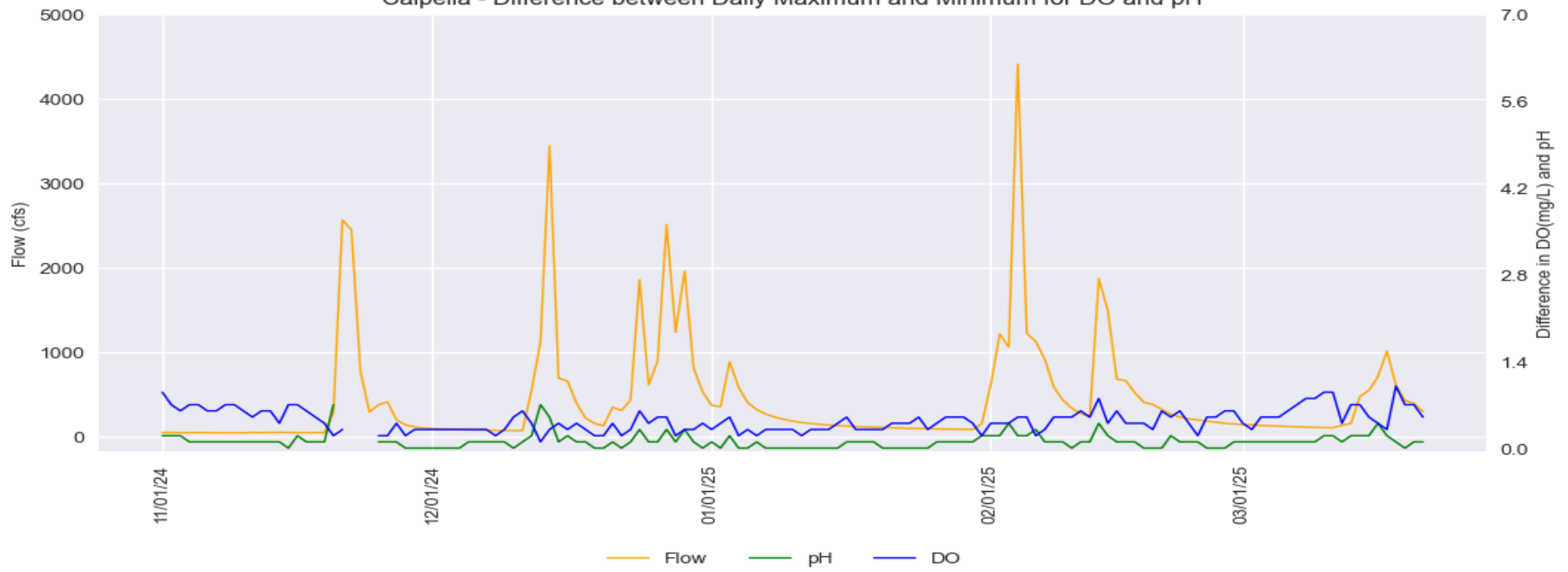
Provisional Data Subject to Revision

**Calpella**

Calpella Water Quality Trend

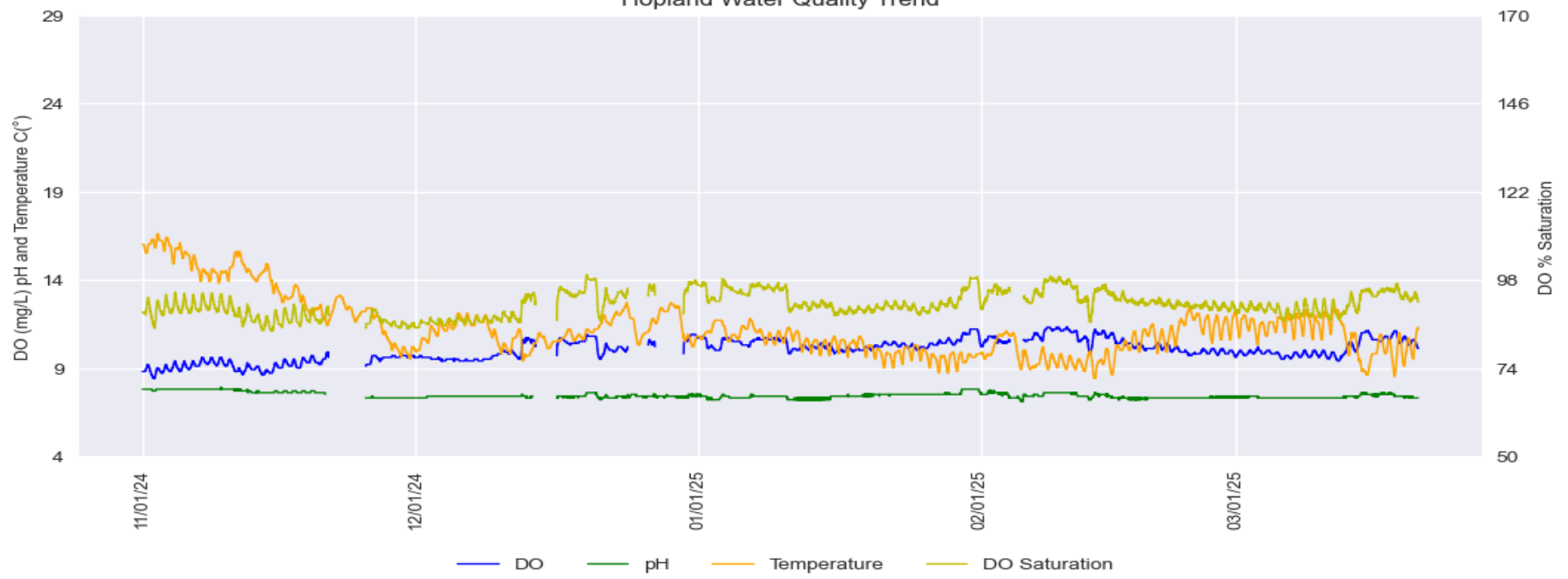


Calpella - Difference between Daily Maximum and Minimum for DO and pH

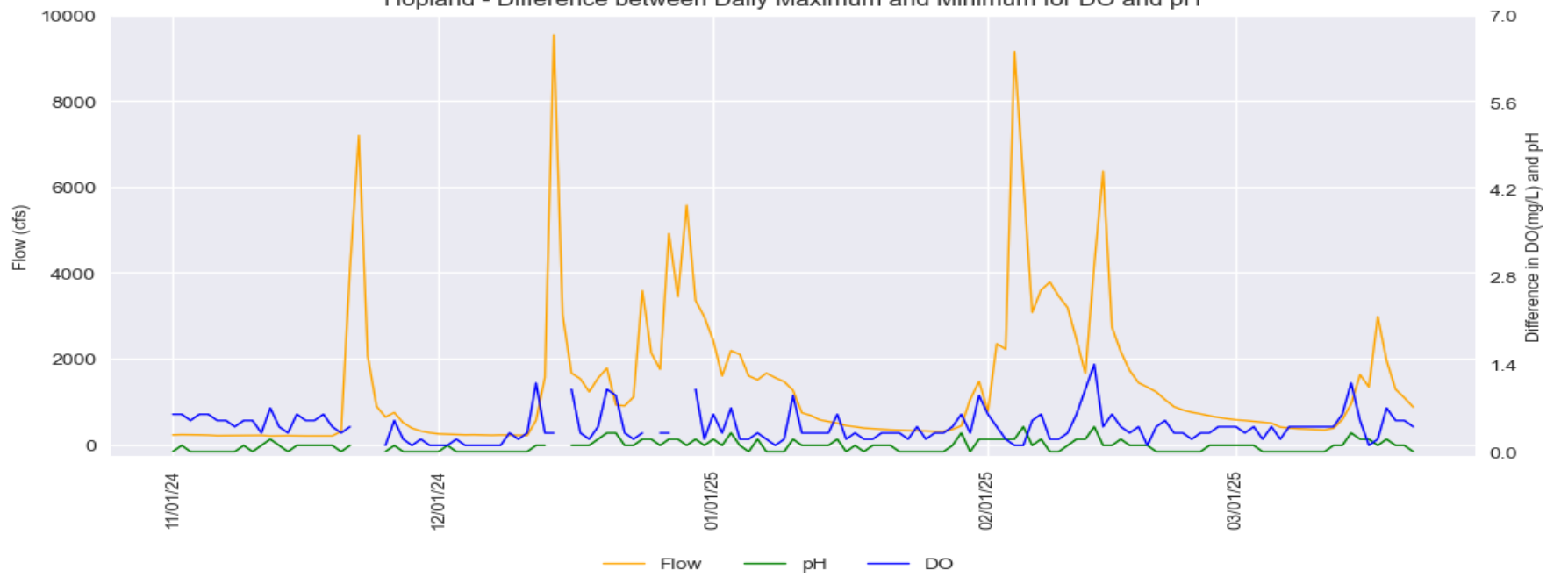


**Hopland**

Hopland Water Quality Trend



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

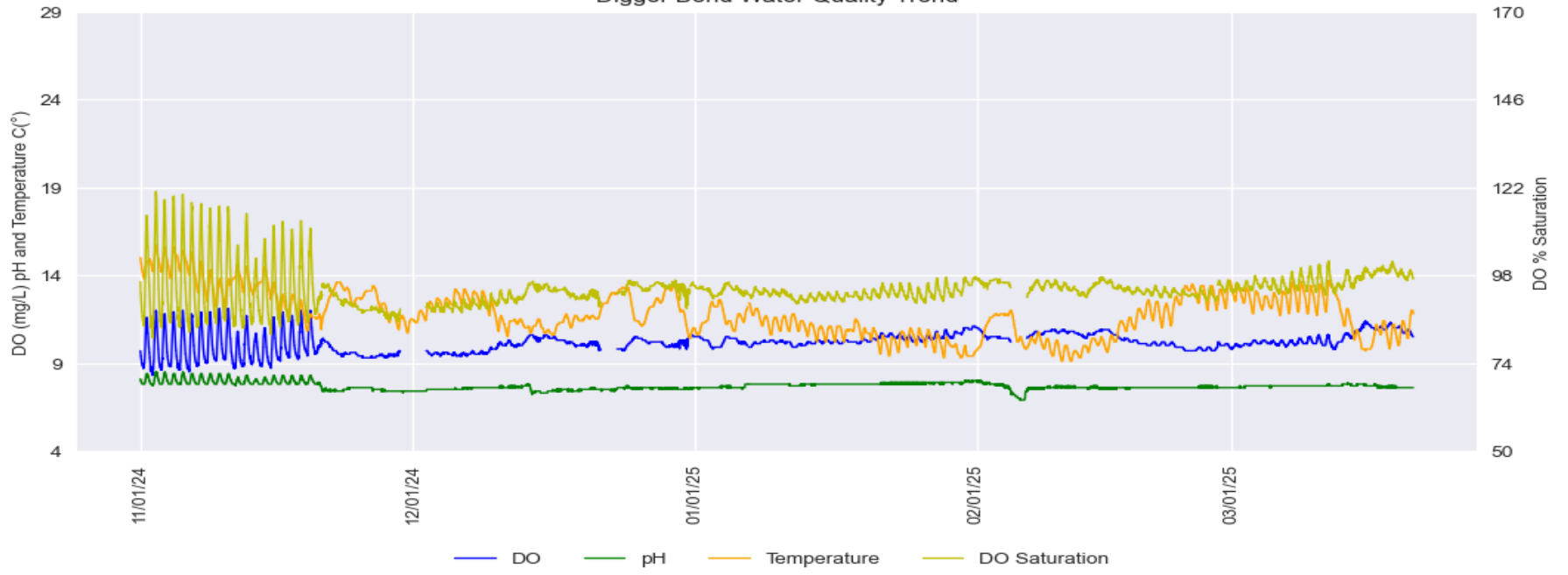


Russian River Water Quality November 1, 2024 – March 20, 2025

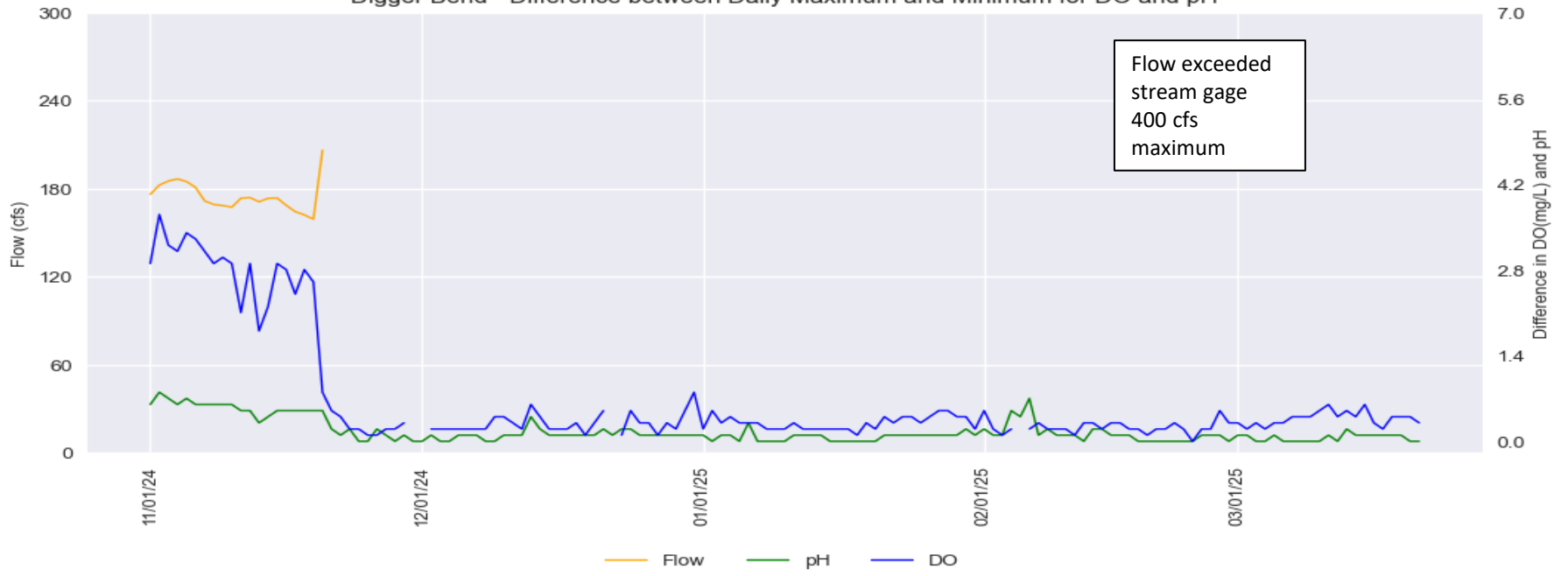
Provisional Data Subject to Revision

**Digger Bend**

Digger Bend Water Quality Trend

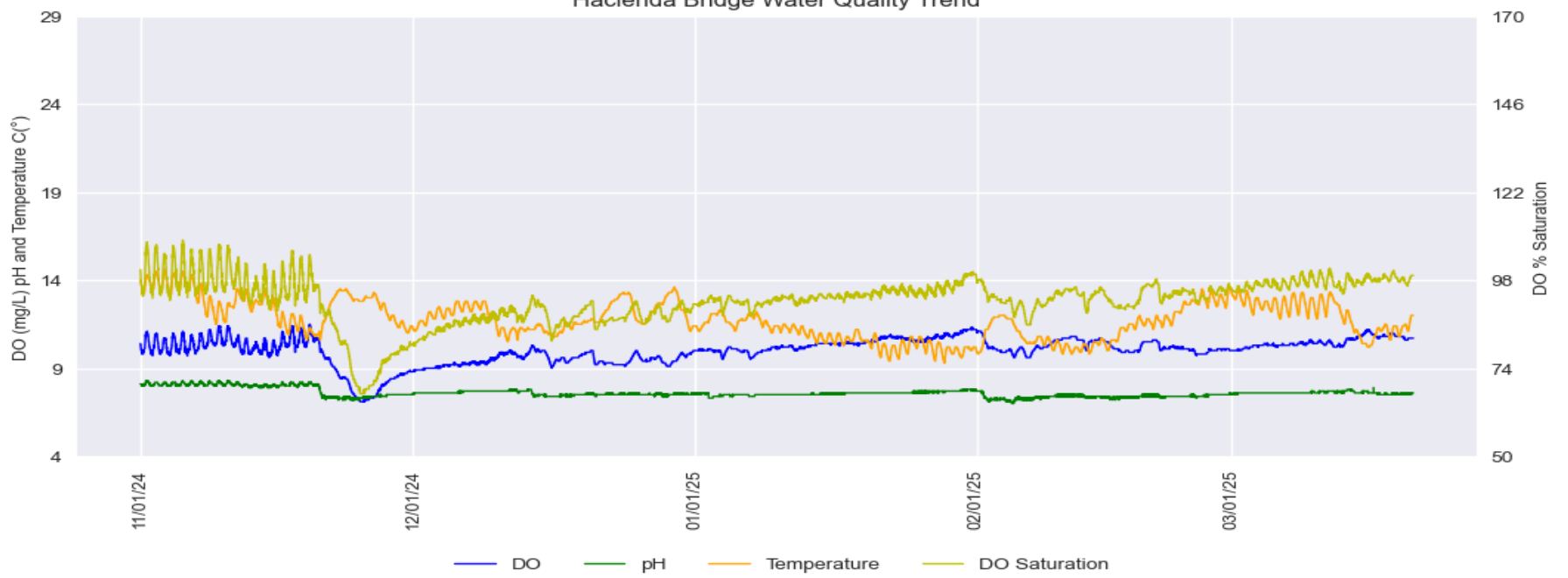


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

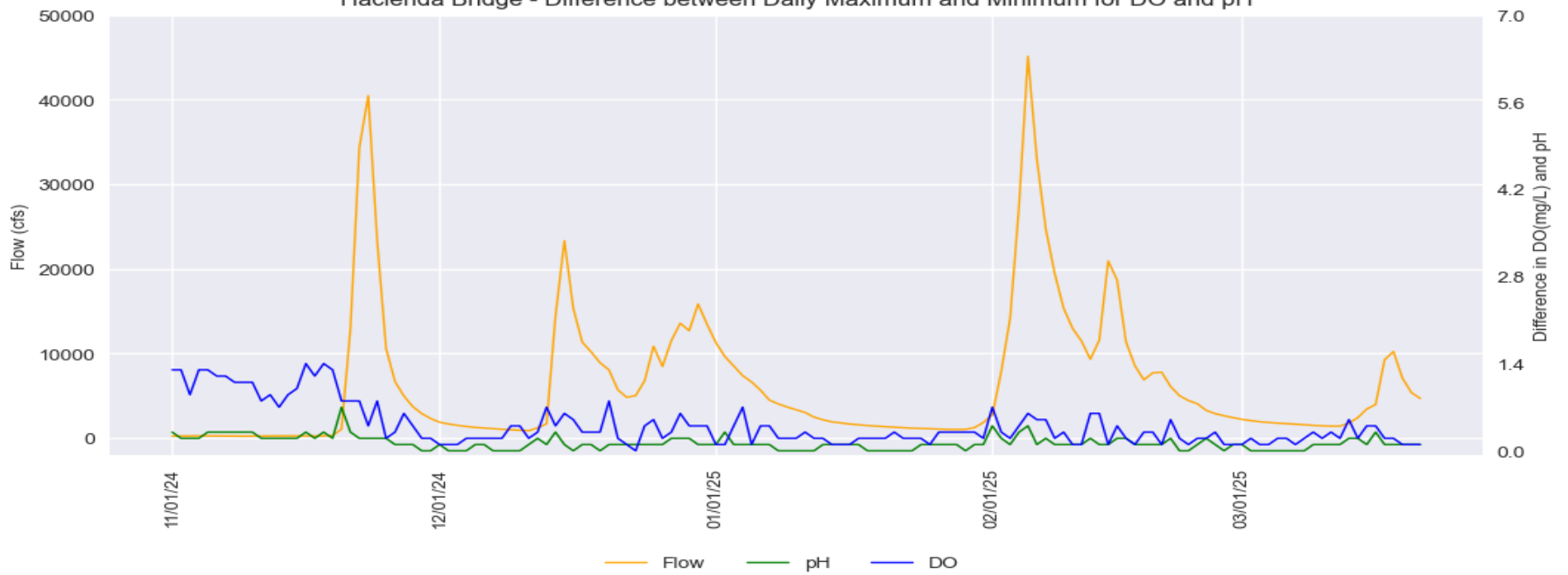


**Hacienda Bridge**

Hacienda Bridge Water Quality Trend



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

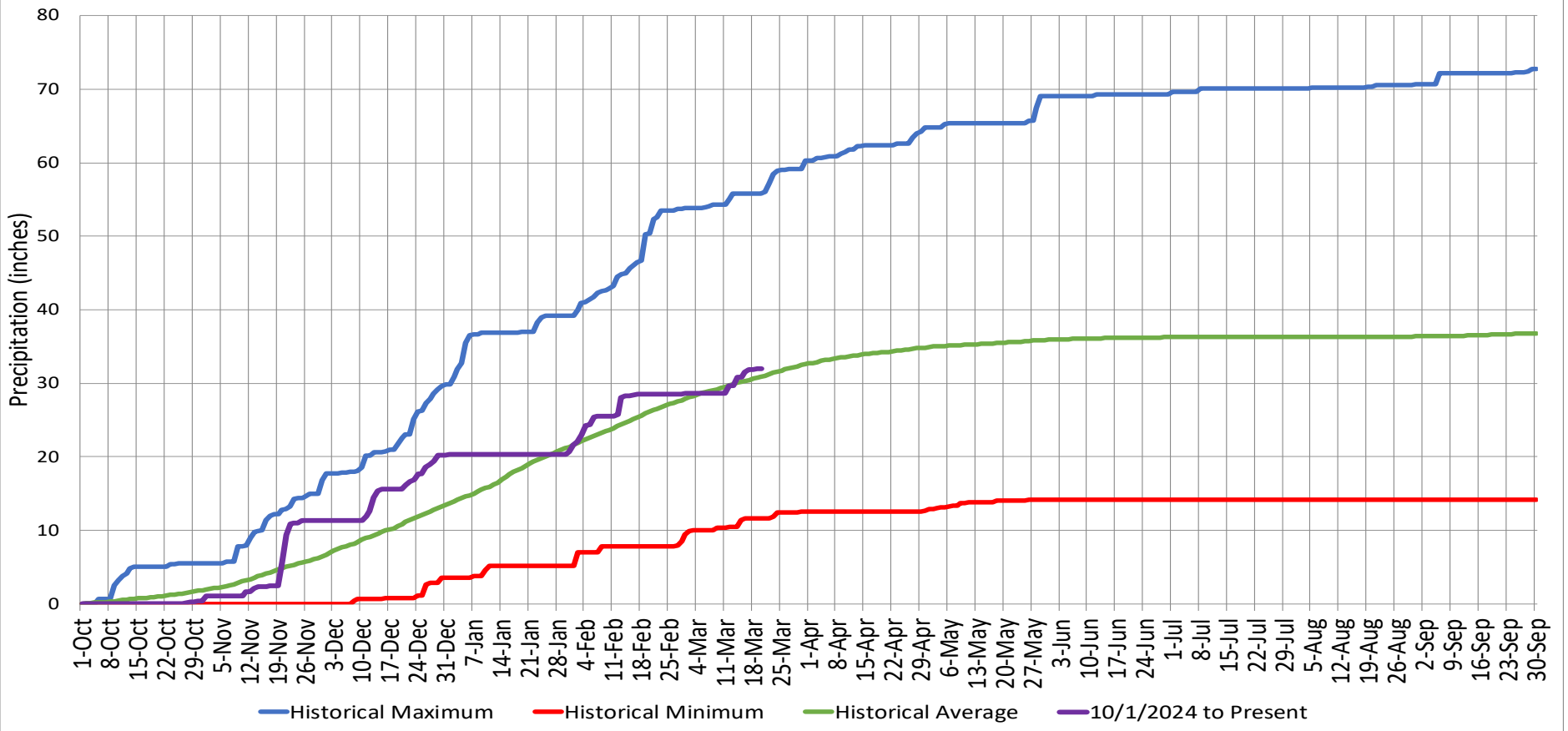


# Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

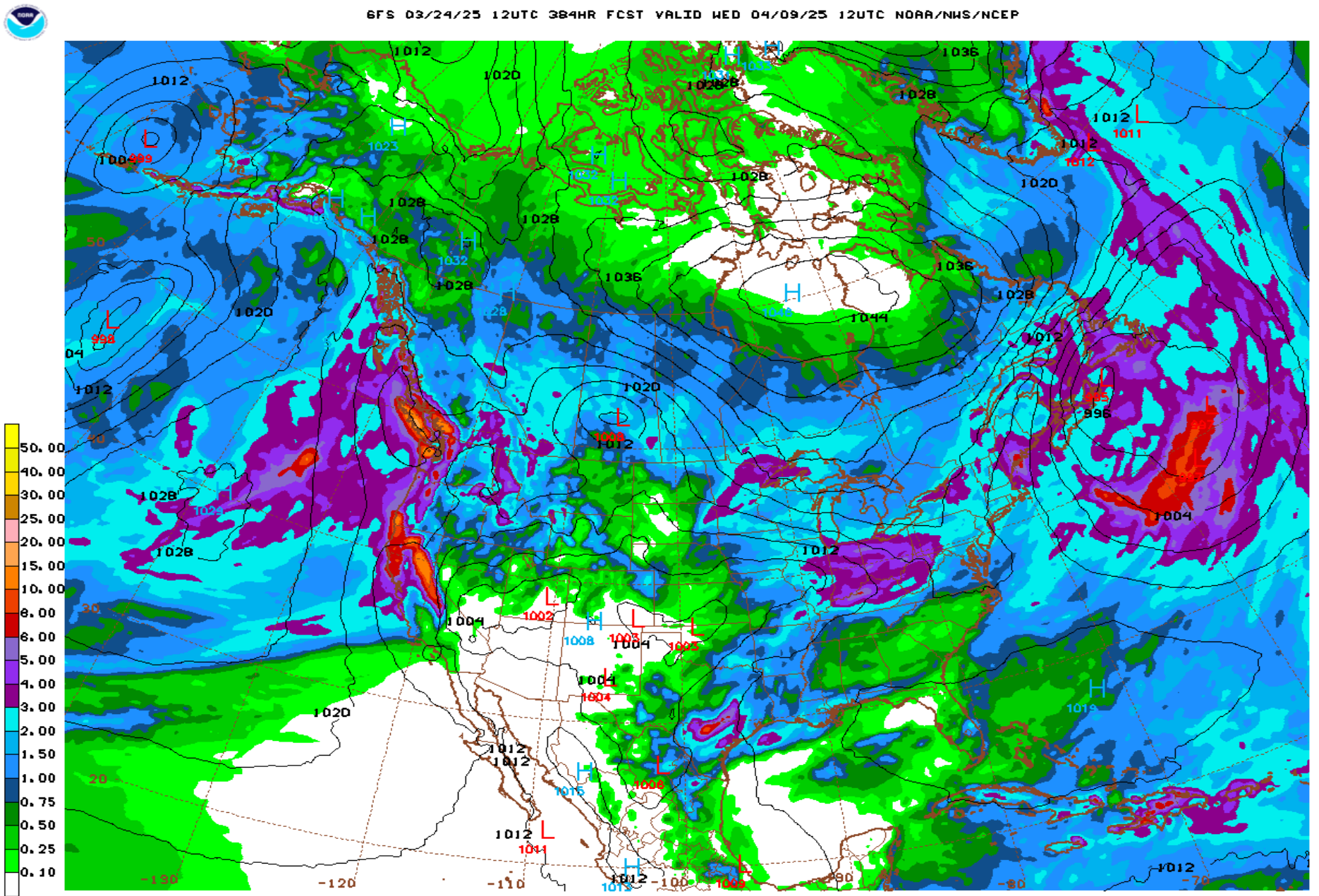
Date Range	Cumulative (inches)
Oct 1, 2024 - Mar 20, 2025	<b>32.00</b>
Last 7 Days*	<b>2.28</b>

Cumulative Precipitation Comparison of Current Year versus Historic Record



## Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 03/24/25 12UTC 384HR FCST VALID MED 04/09/25 12UTC NOAA/NWS/NCEP



6FS MED 250409/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range  
Mar 24 - Apr 9, 2025

Forecasted Cumulative (inches)  
**7.00**

## 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.