



State Water Resources Control Board
 Temporary Urgency Change Orders (10/31/2024)
 Russian River Hydrologic & Water Quality Report
 January 24, 2025 - January 30, 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).

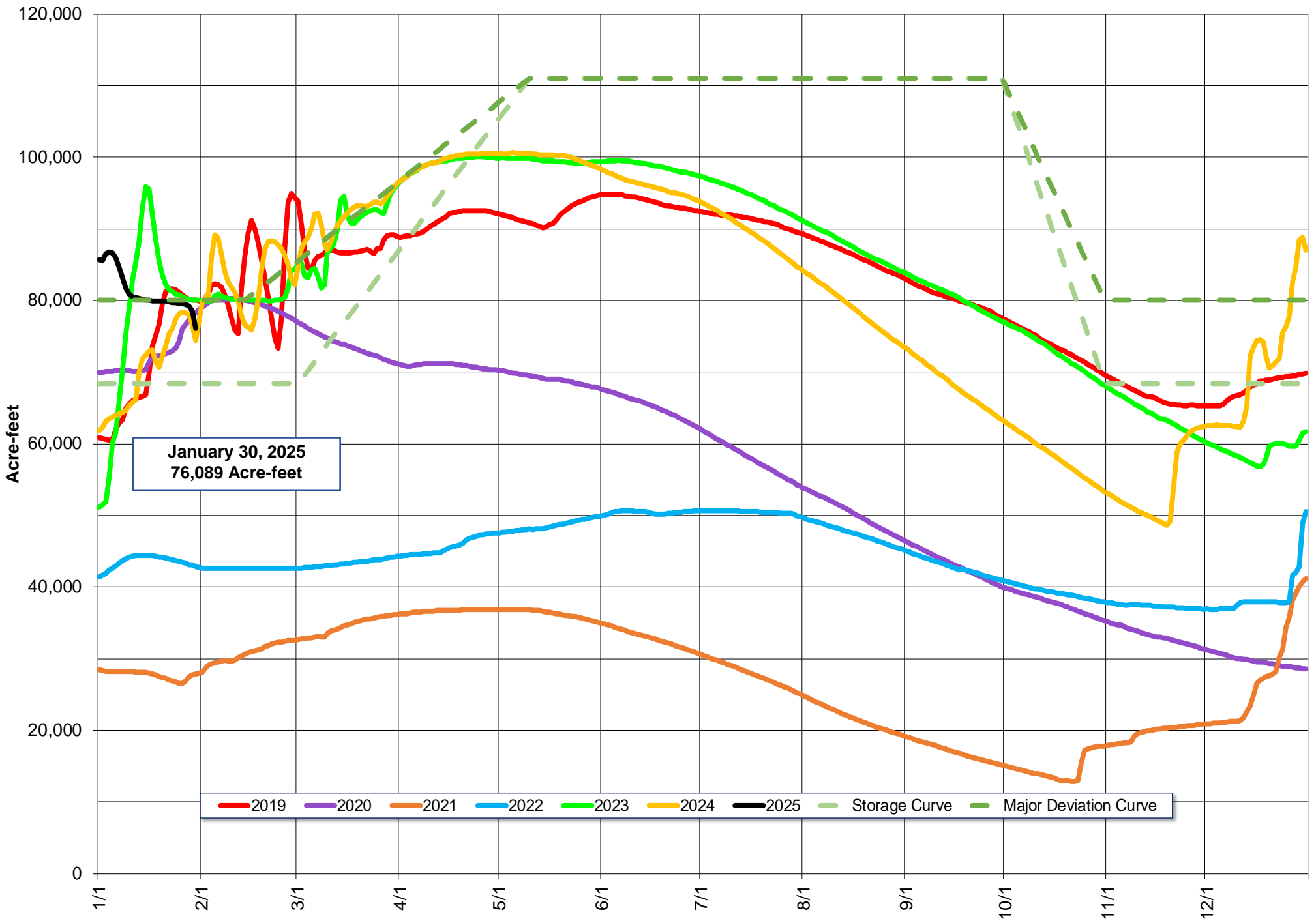
Instream Flow Requirements as of January 30, 2025

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



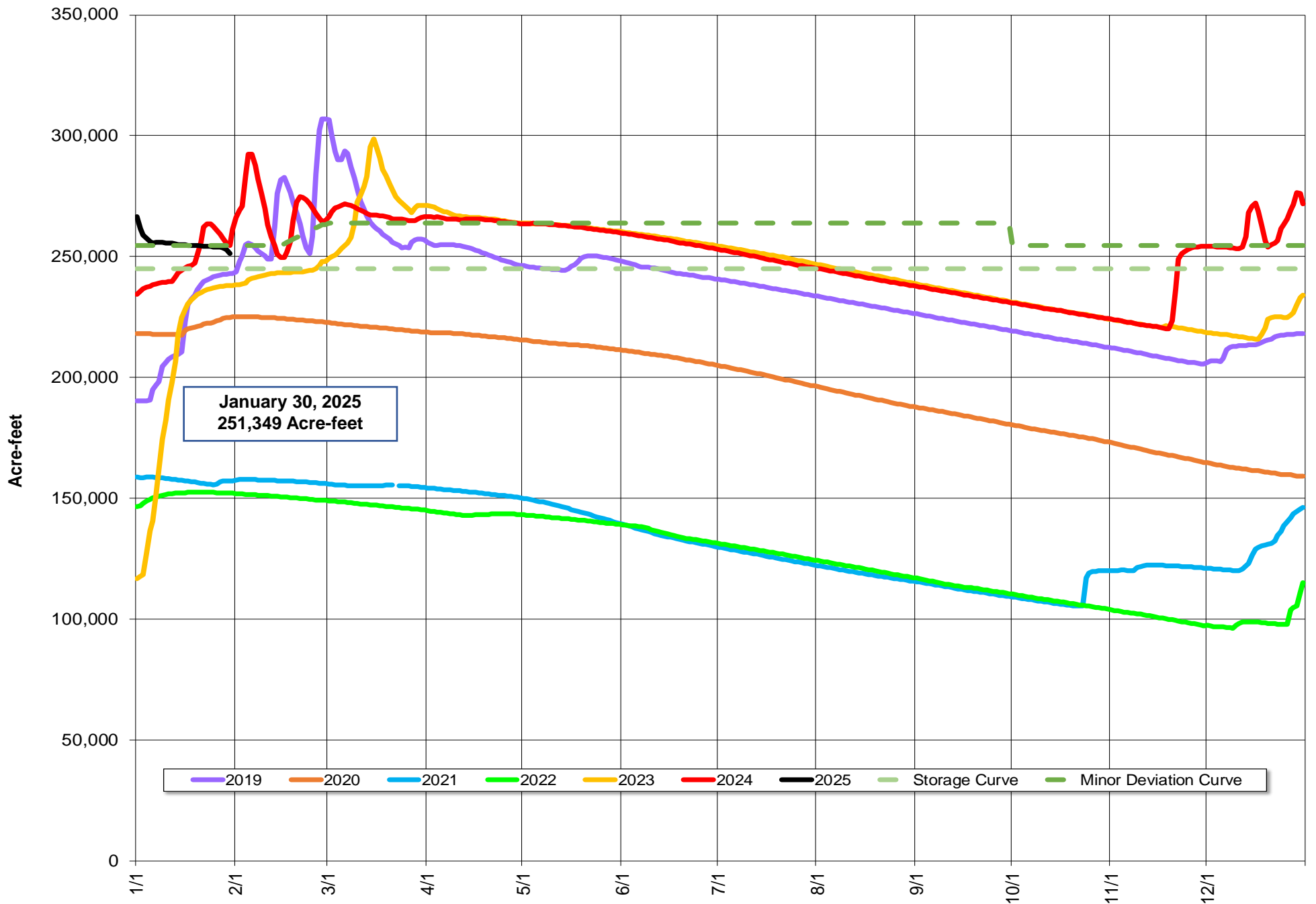
Storage (acre-feet)	January 30, 2025	76,089	
Change in Storage (acre-feet)	Last 30 days	-10,981	-366
	Last 7 days	-3,585	-512
Daily Inflow (cfs)	Last 7 days	Min	81
		Max	113
		Mean	96
Release (cfs)	Last 7 days	Min	123
		Max	1,285
		Mean	355

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2019-2025



Storage (acre-feet)	January 30, 2025	251,349	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-20,399	-680
	Last 7 days	-2,856	-408
Daily Inflow (cfs)	Last 7 days	Min	55
		Max	110
		Mean	82
Release (cfs)	Last 7 days	Min	121
		Max	907
		Mean	287

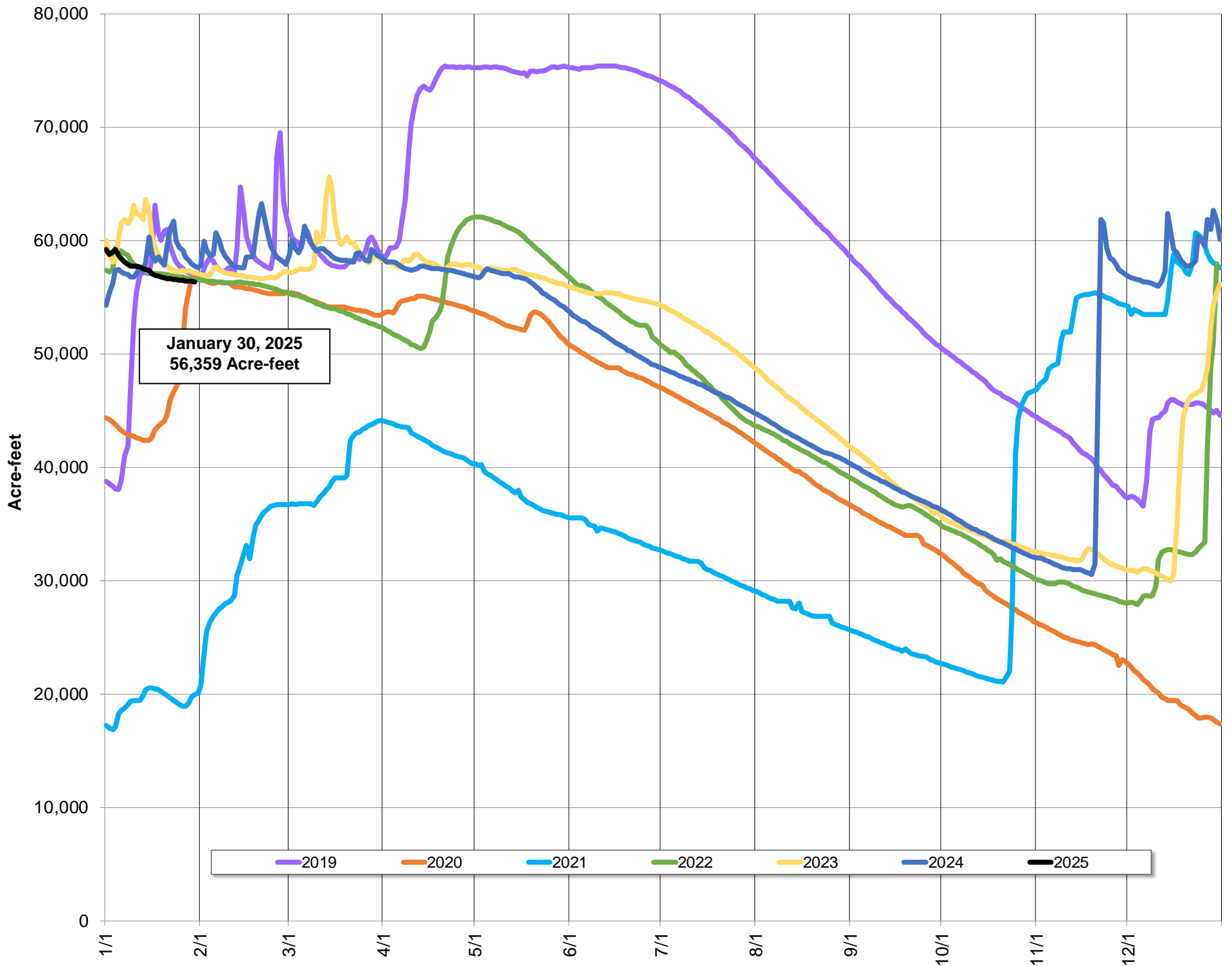
Potter Valley Project

PVP Diversion (cfs)	January 30, 2025	45
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2024 - January 30, 2025	239,064	1,960
	Last 7 days	3,683	526

*Inflow calculation based on criteria established in D1610

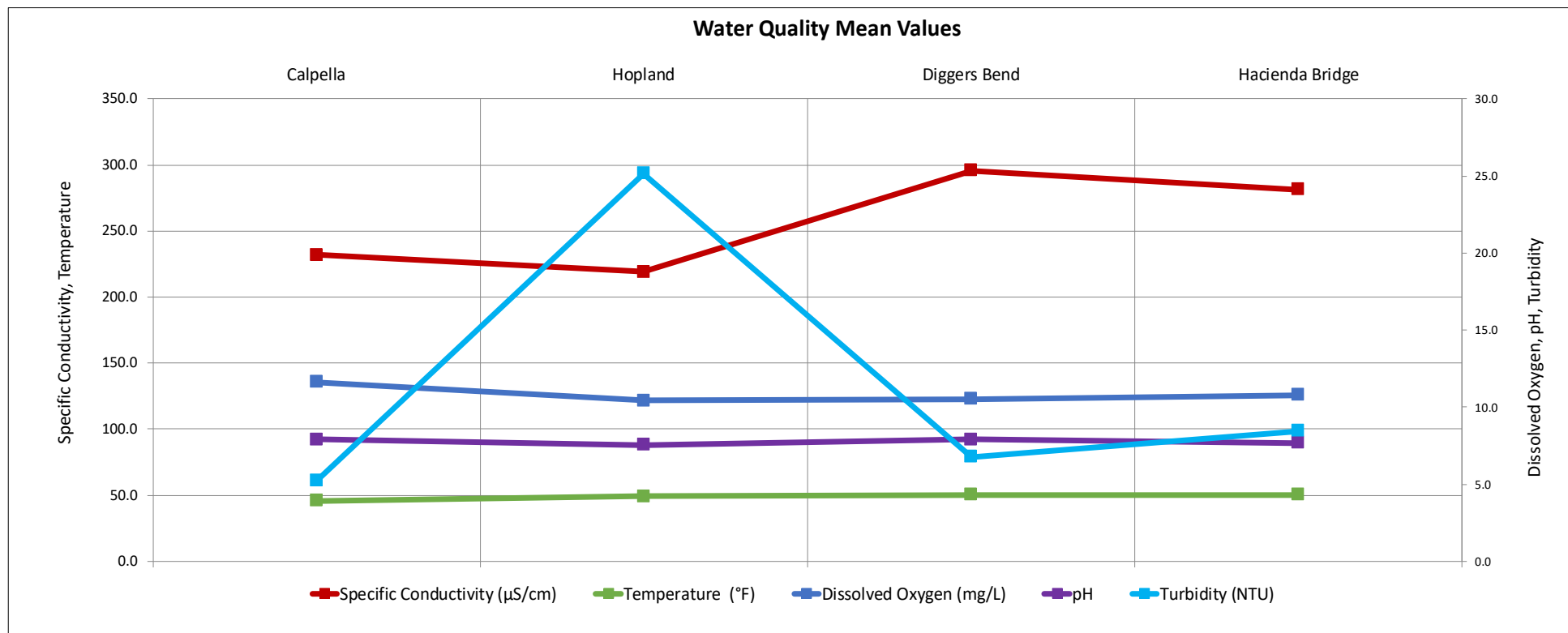
Lake Pillsbury Storage 2019 - 2025 and Target Storage Scenarios



Russian River Flows (January 24, 2025 - January 30, 2025)

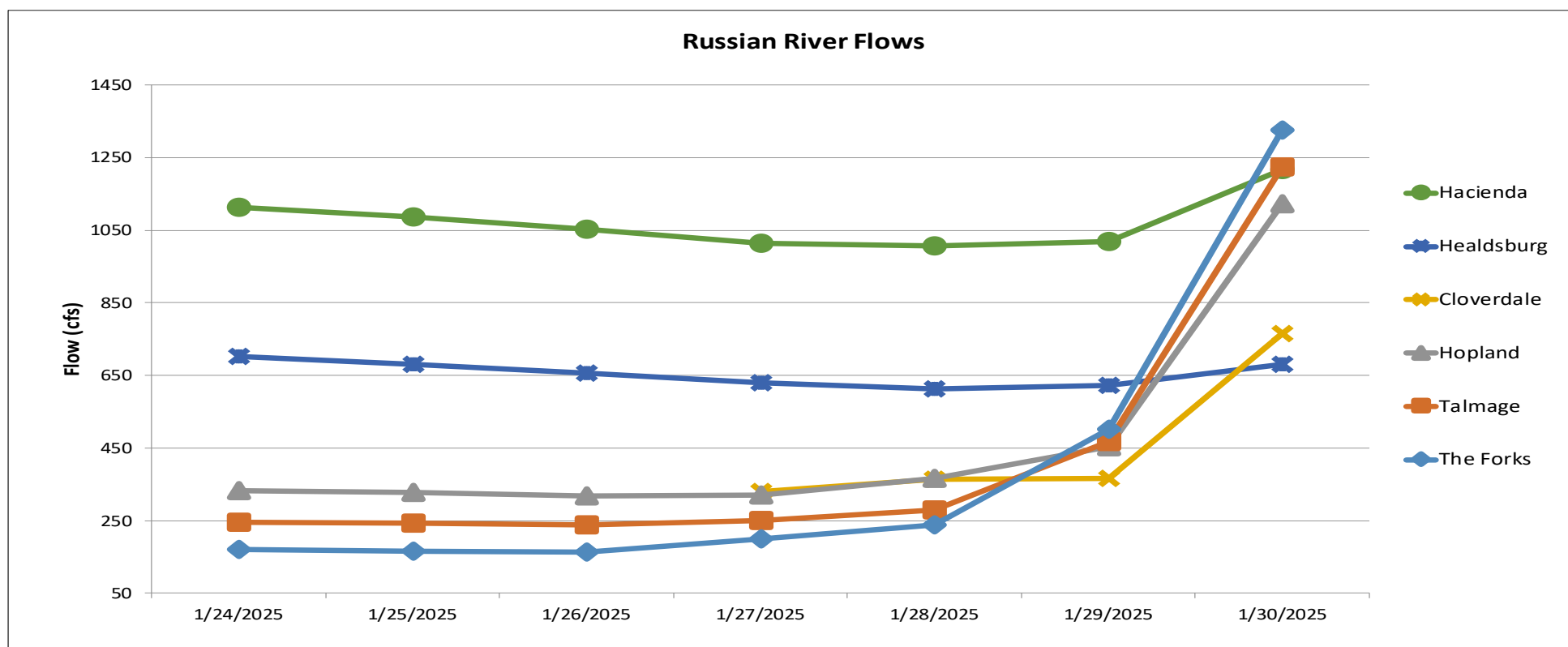
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	43.7	47.7		48.6	48.7		48.7	
	Max	47.5	50.5		52.2	51.8		51.4	
	Mean	45.6	49.3		50.3	50.3		50.3	
Specific Conductivity (µS/cm)	Min	228.0	171.0			264.0		235.0	
	Max	237.0	233.0			300.0		289.0	
	Mean	231.9	218.9			295.6		281.4	
Dissolved Oxygen (mg/L)	Min	11.3	10.0			10.2		10.5	
	Max	12.0	11.2			11.0		11.2	
	Mean	11.6	10.4			10.5		10.8	
Dissolved Oxygen (% Saturation)	Min	94.6	88.4			90.3		92.8	
	Max	101.1	98.7			97.4		99.7	
	Mean	97.1	91.6			93.5		95.8	
pH	Min	7.9	7.5			7.8		7.6	
	Max	8.0	7.8			8.0		7.8	
	Mean	7.9	7.6			7.9		7.7	
Turbidity (NTU)	Min	4.3	14.6			4.9		6.8	
	Max	6.0	189.0			16.3		16.6	
	Mean	5.2	25.2			6.8		8.5	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jan 24, 2025	Jan 25, 2025	Jan 26, 2025	Jan 27, 2025	Jan 28, 2025	Jan 29, 2025	Jan 30, 2025
The Forks*	171	166	163	199	238	503	1325
Talmage USGS 11462080	246	244	239	251	279	468	1224
Hopland USGS 11462500	333	327	319	321	365	454	1122
Cloverdale USGS 11463000	Data not available from 1/24/25 to 1/26/25			331	365	367	766
Healdsburg USGS 11464000	703	681	656	629	612	624	679
Hacienda USGS 11467000	1113	1086	1053	1015	1008	1019	1217

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

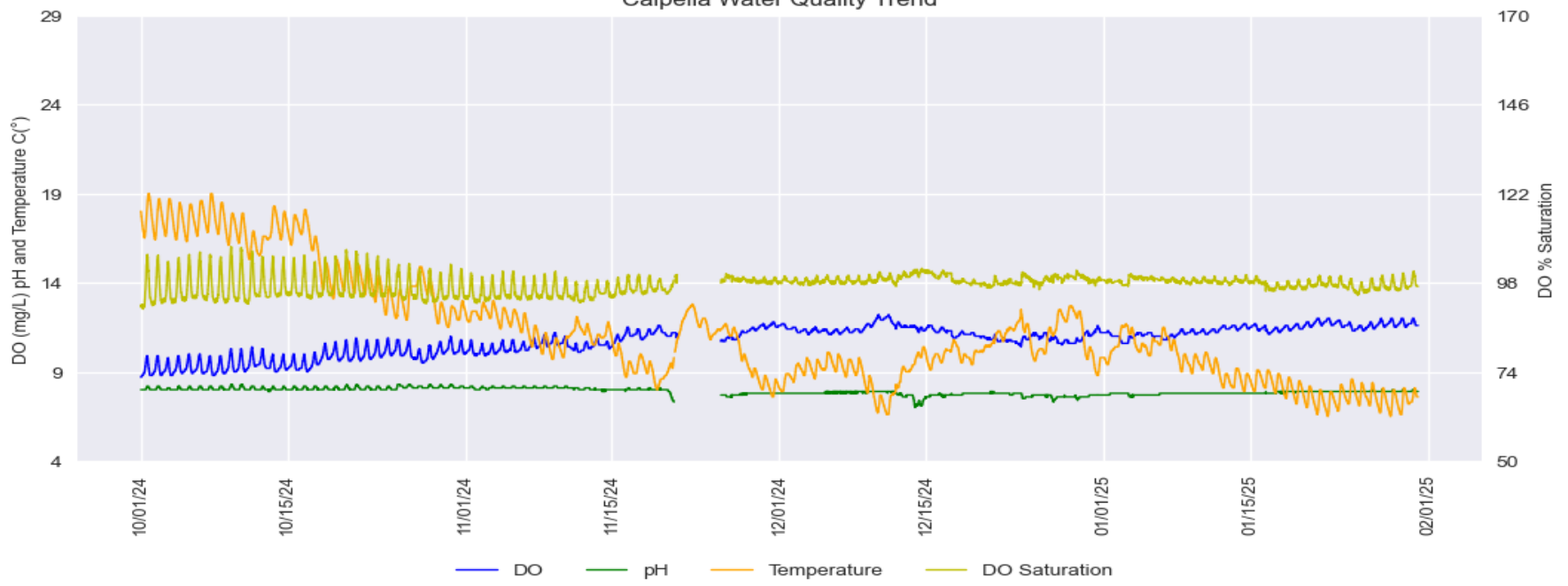


Russian River Water Quality October 1, 2024 – January 30, 2025

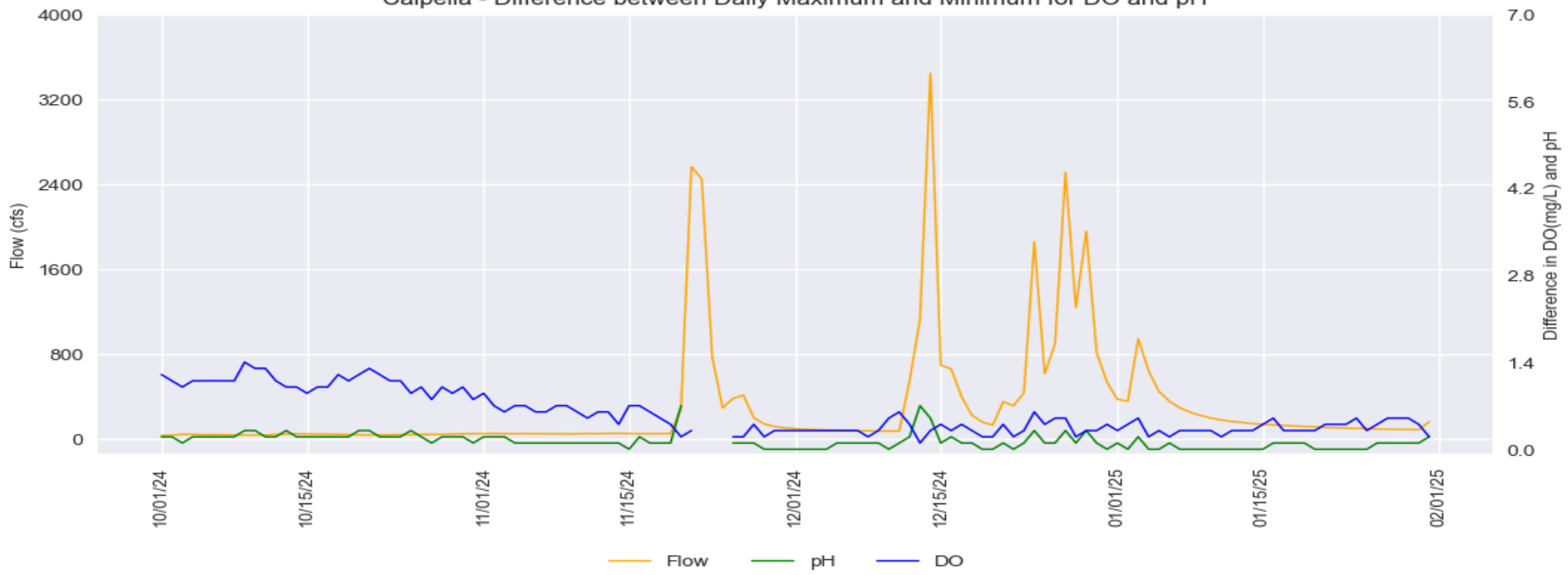
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

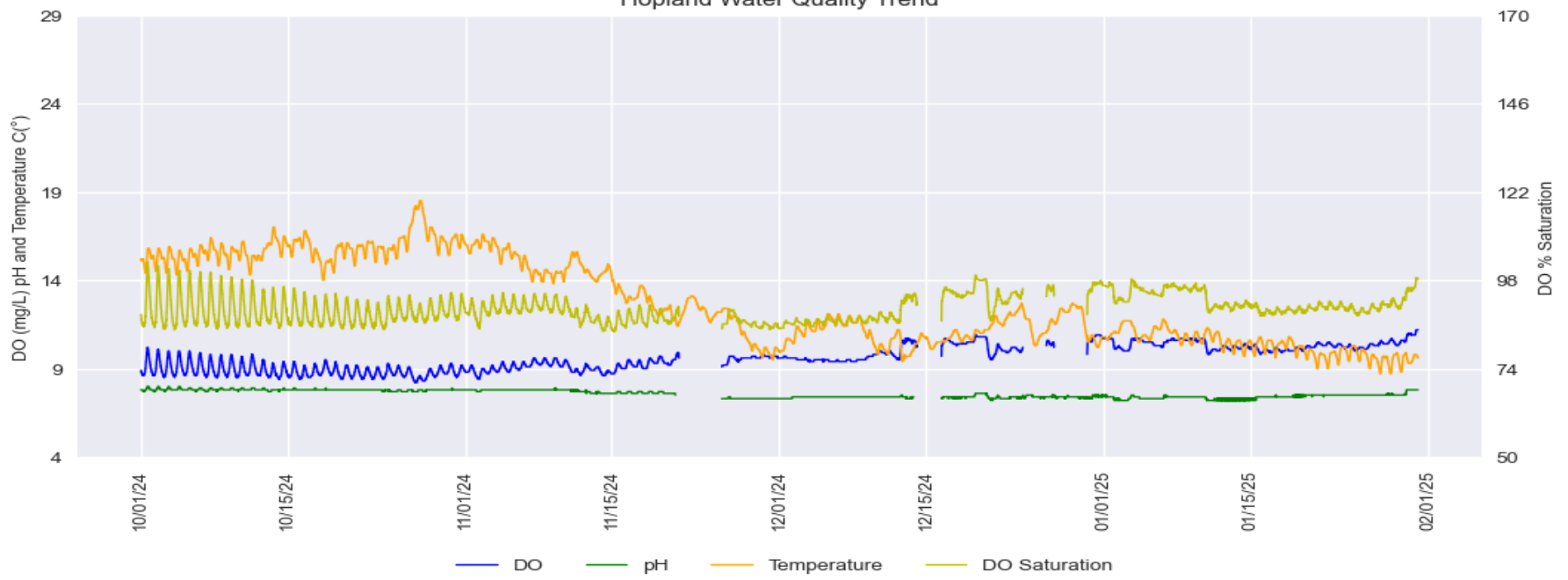


Calpella - Difference between Daily Maximum and Minimum for DO and pH

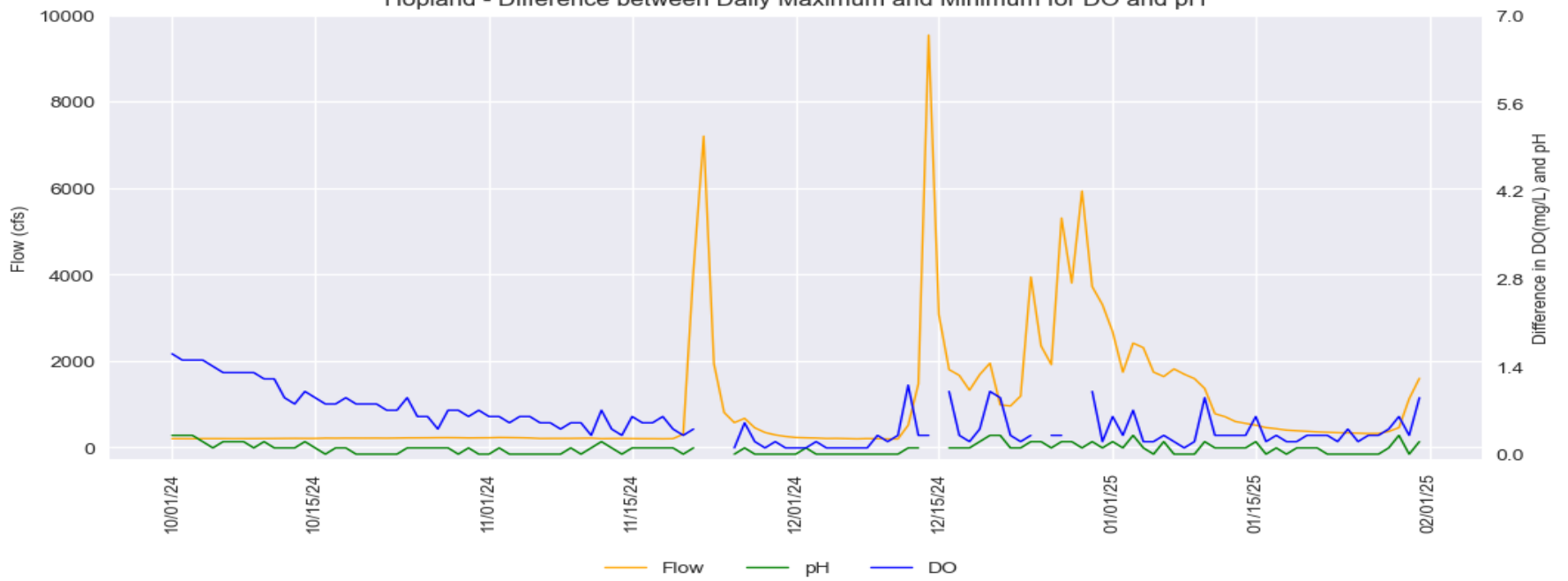


Hopland

Hopland Water Quality Trend



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

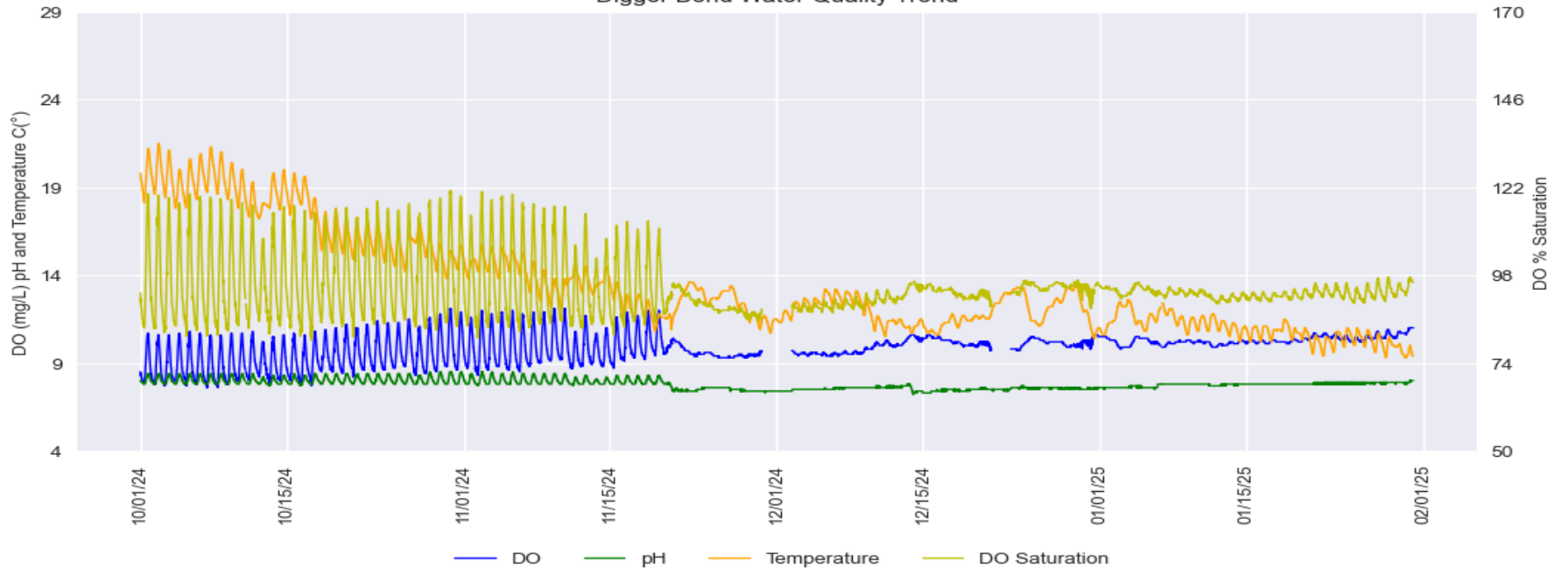


Russian River Water Quality October 1, 2024 – January 30, 2025

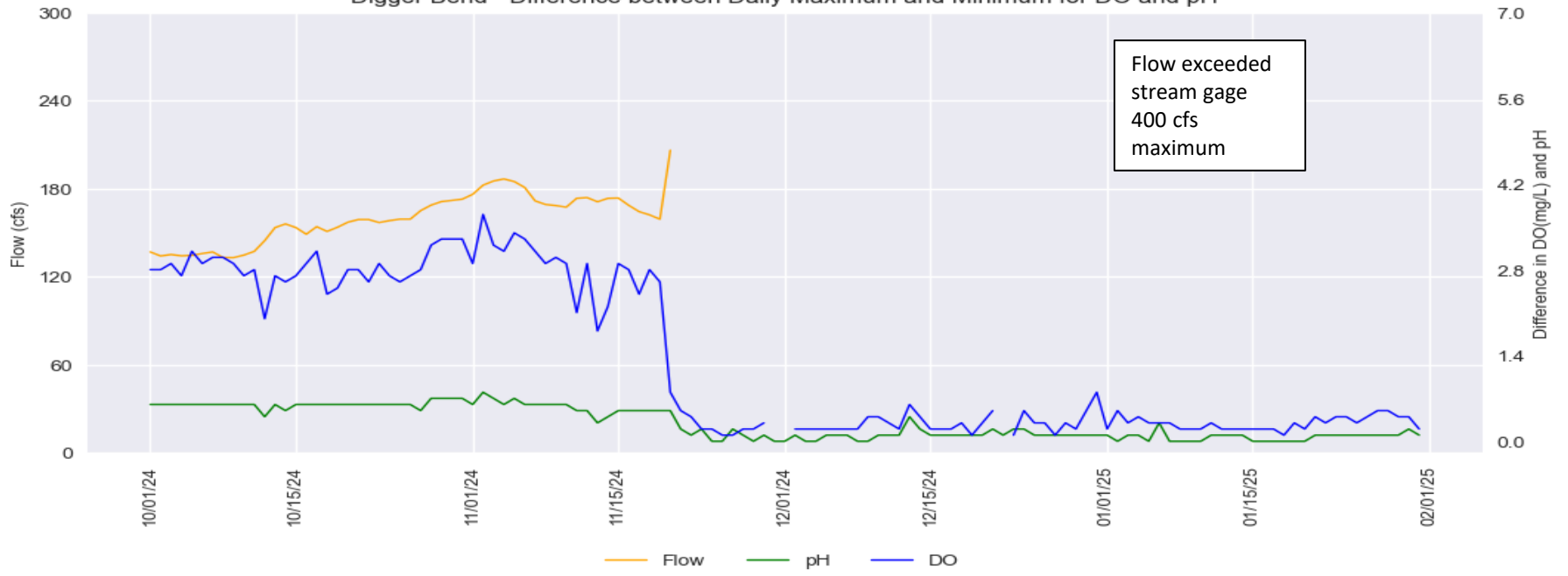
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

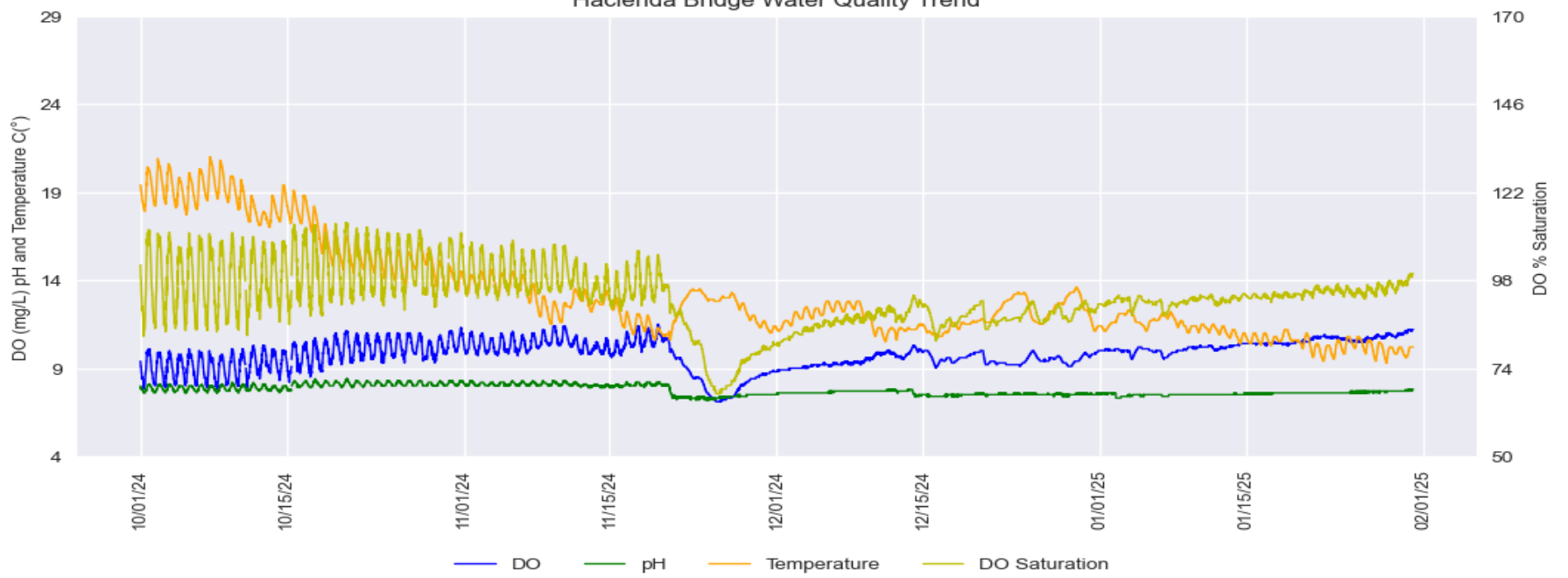


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

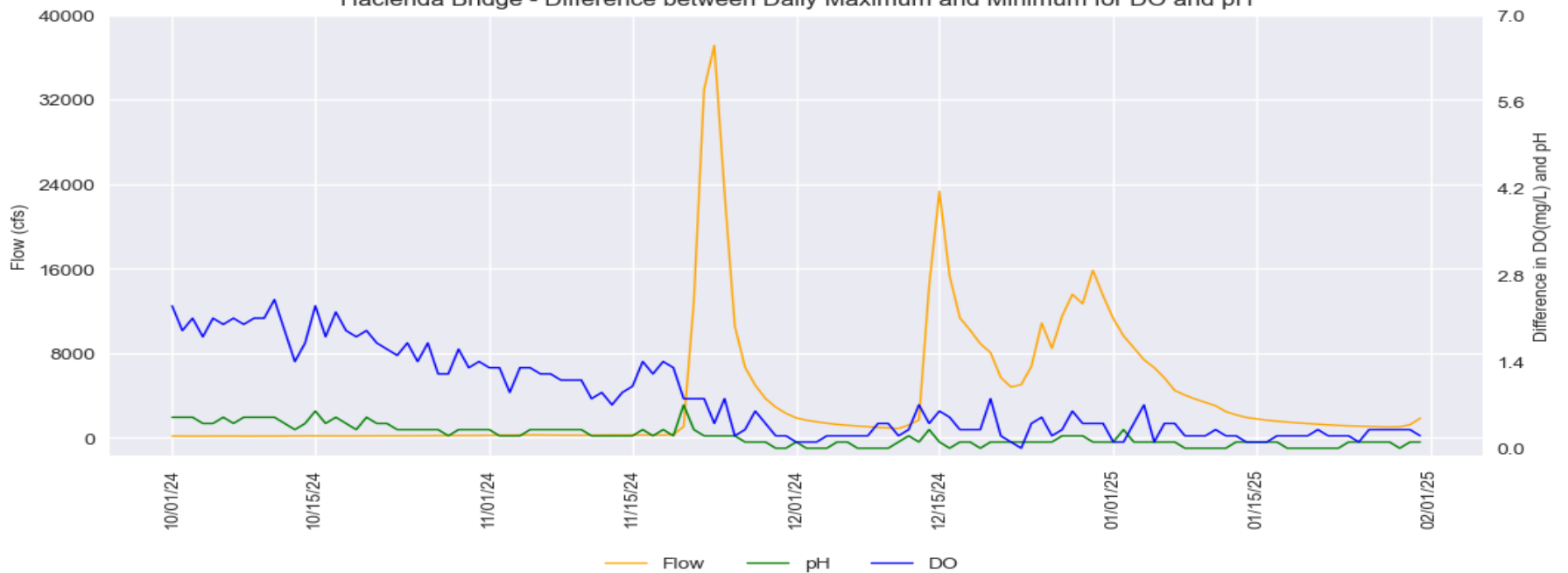


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

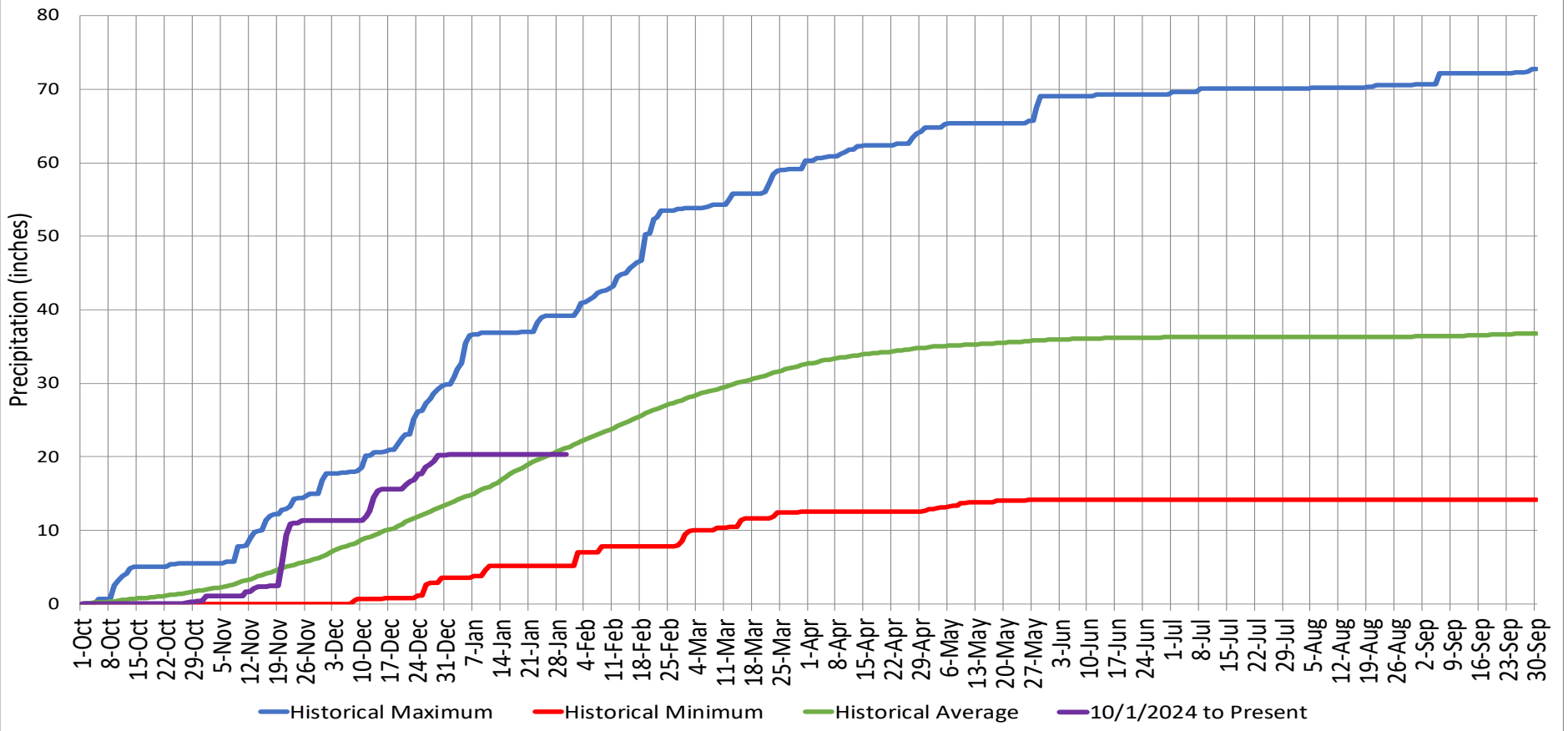


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

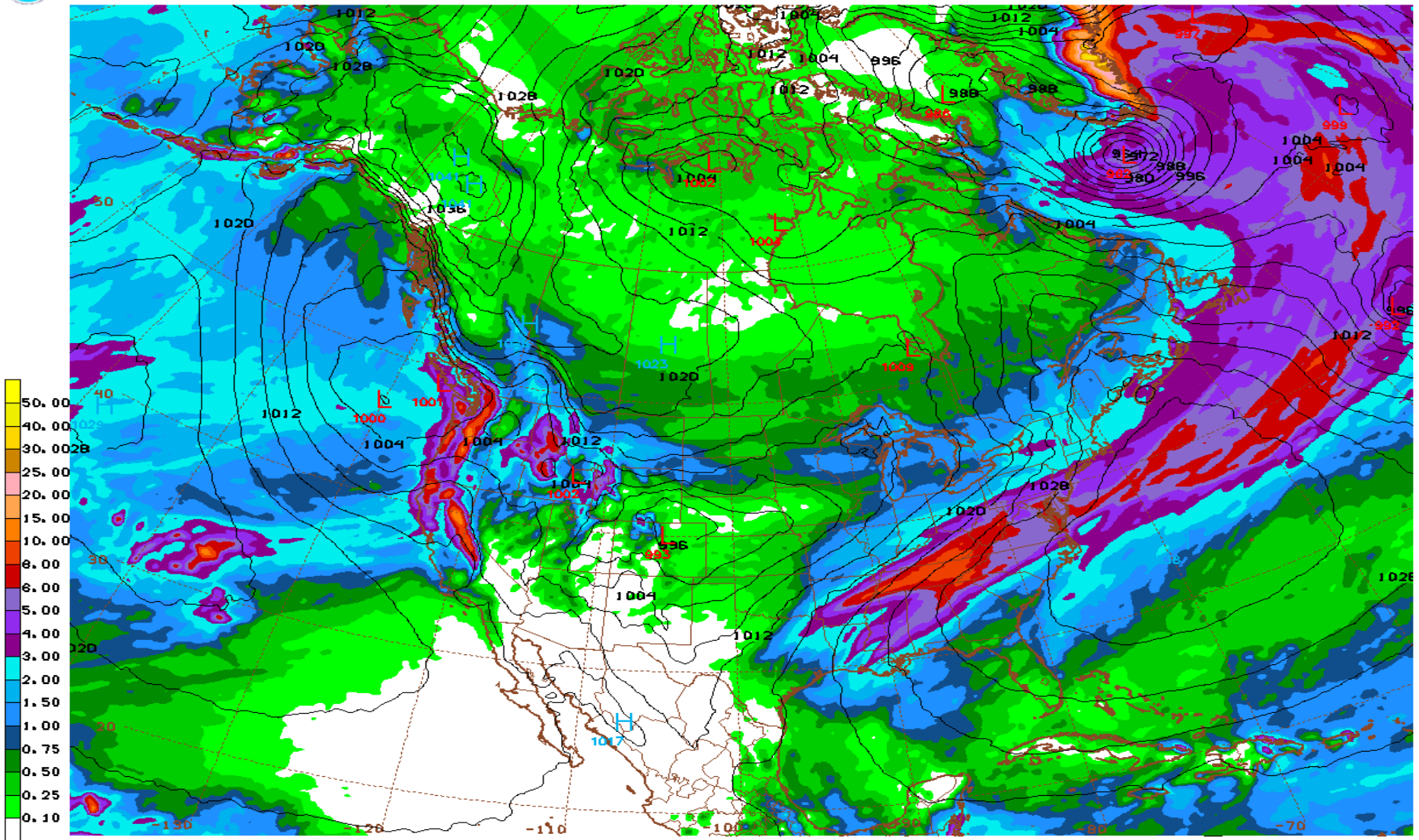
Date Range	Cumulative (inches)
Oct 1, 2024 - Jan 30, 2025	20.33
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



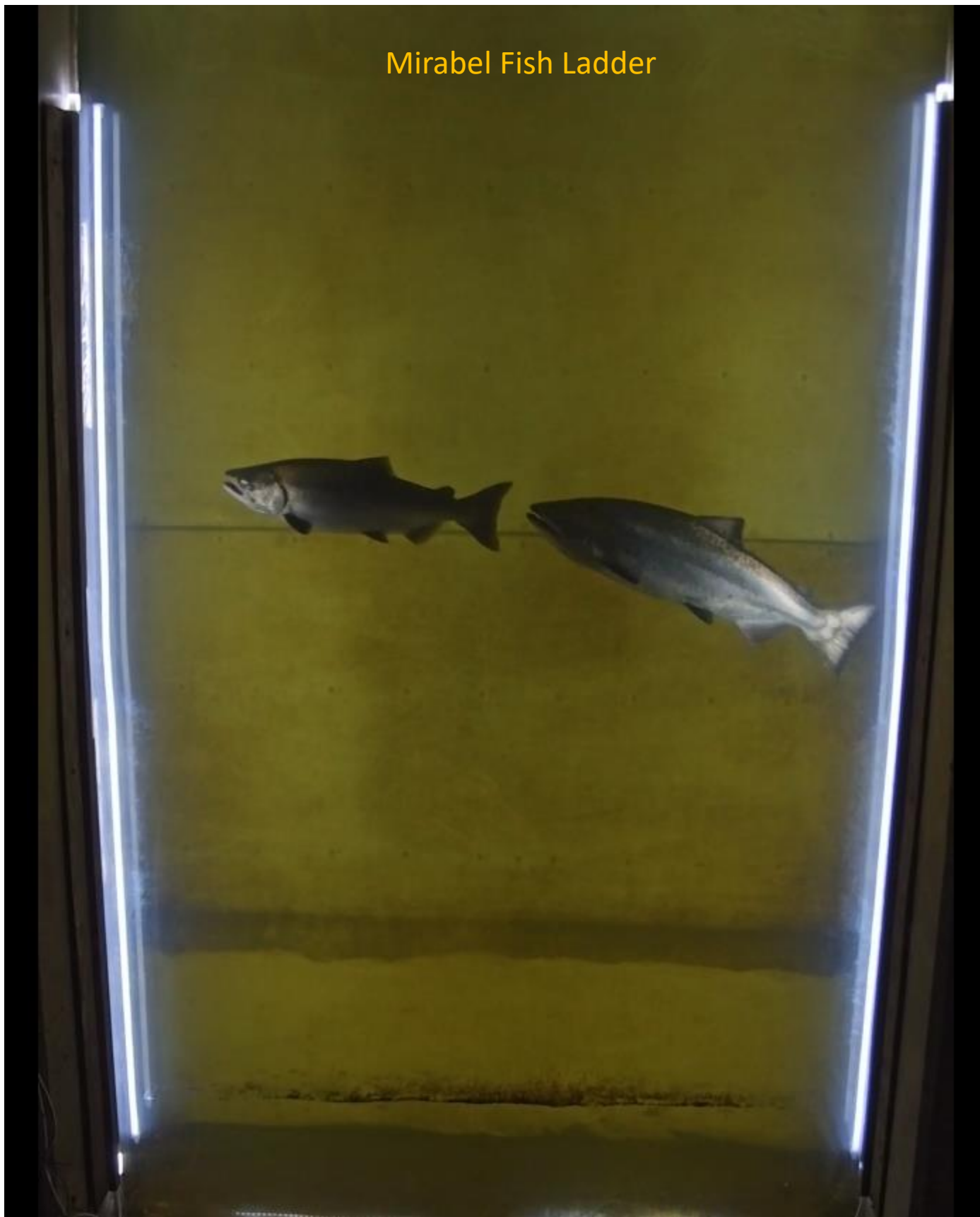
Global Forecast System Model 16-day Cumulative Precipitation Forecast

GFS 02/03/25 12UTC 384HR FCST VALID MED 02/19/25 12UTC NOAA/NWS/NCEP



GFS MED 250219/1200V384 ENSL (4MB). 384HR ACCUMULATED PRECIP (IN)
 Date Range: Feb 3 - Feb 19, 2025
 Forecasted Cumulative (inches): **4.13**

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.