



Sonoma
Water

State Water Resources Control Board
Temporary Urgency Change Order (12/27/2023)
Russian River Hydrologic & Water Quality Report
January 19, 2024 - January 25, 2024

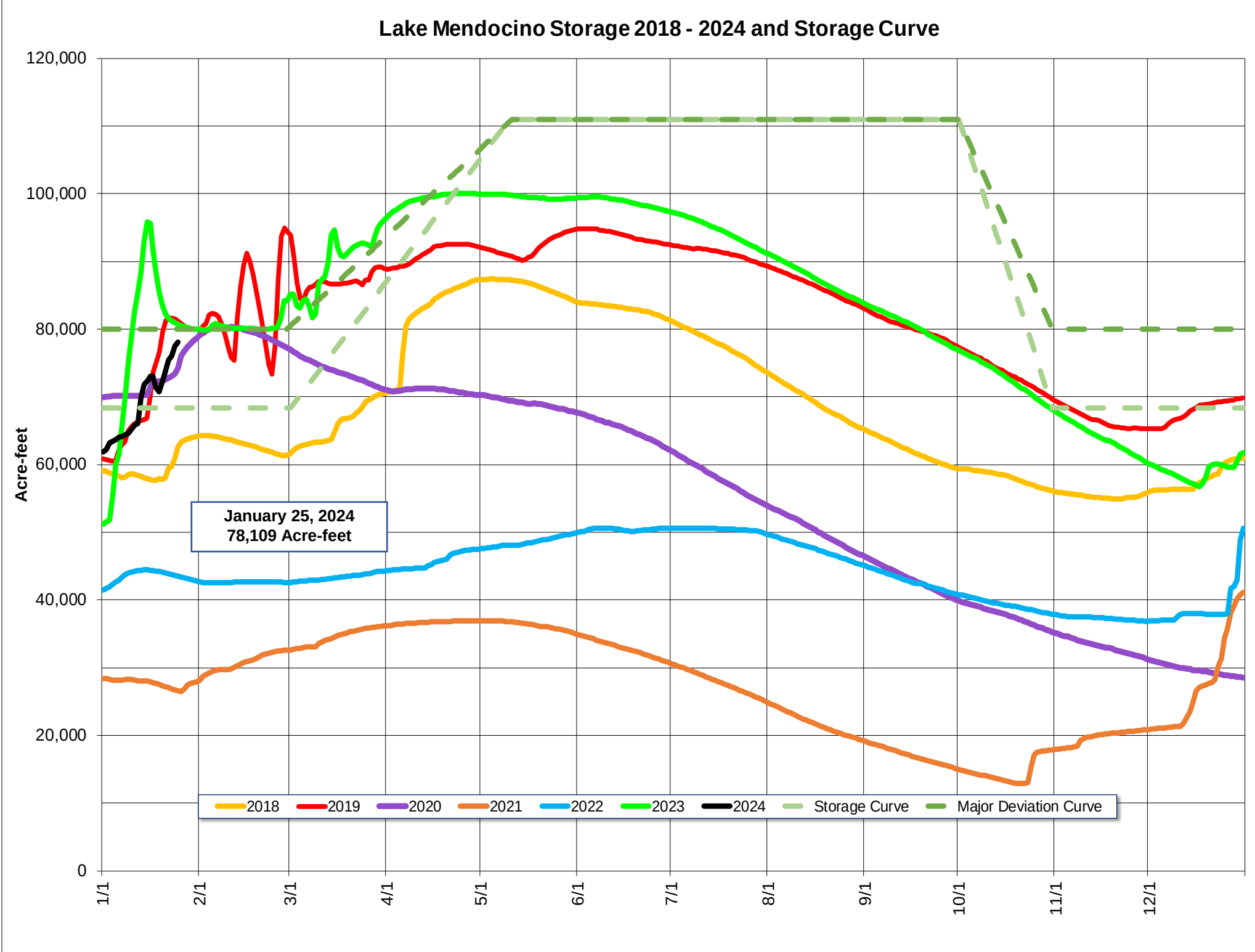
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of January 25, 2024

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Dry Condition	Upper Russian River	75	-
Modified Per Order: Dry Condition	Dry Creek	75	-
Modified Per Order: Dry Condition	Lower Russian River	85	-

Lake Mendocino

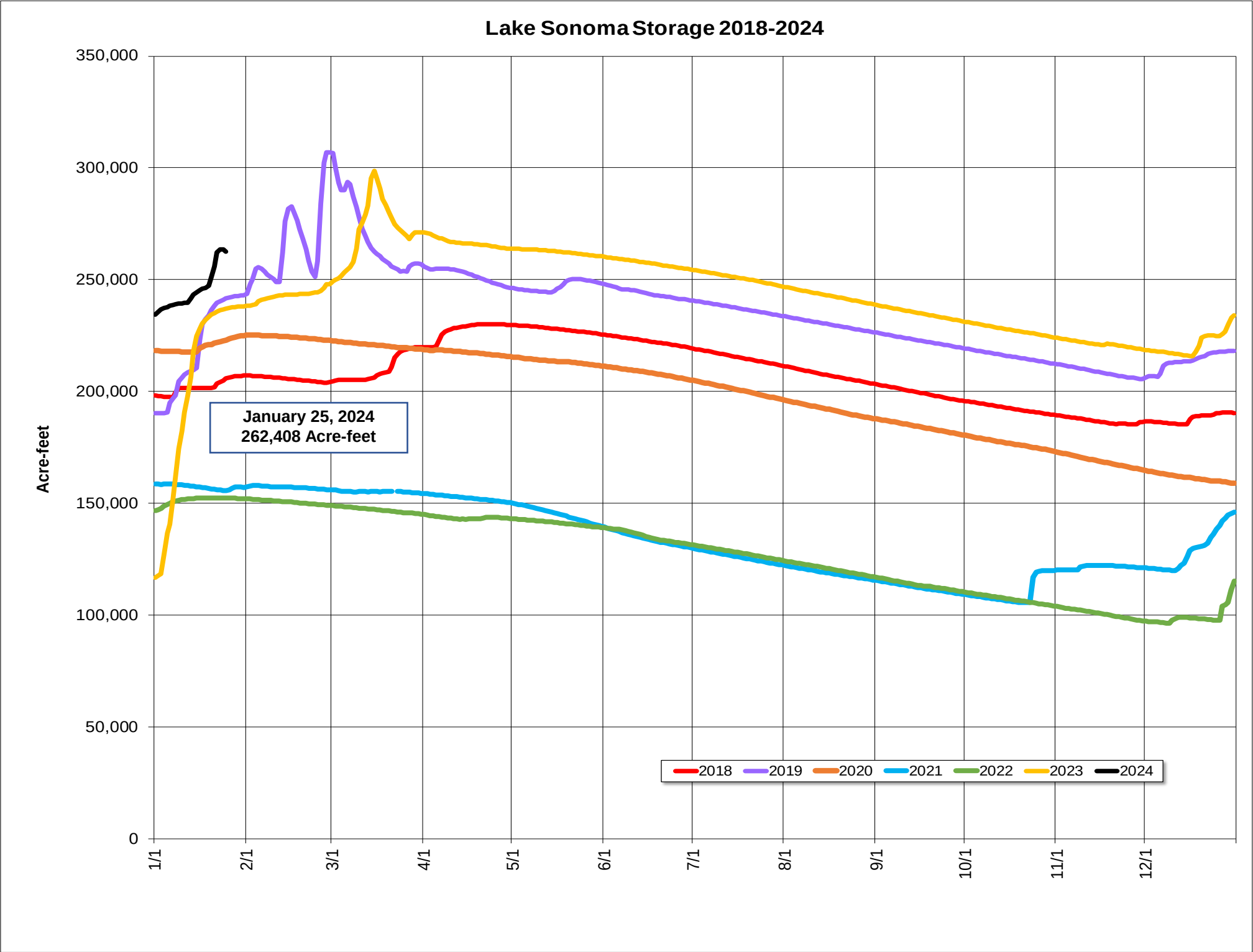
Lake Mendocino Storage 2018 - 2024 and Storage Curve



Storage (acre-feet)	January 25, 2024	78,109	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	18,458	615
	Last 7 days	7,359	1,051
Daily Inflow (cfs)	Last 7 days	Min	174
		Max	995
		Mean	687
Release (cfs)	Last 7 days	Min	150
		Max	495
		Mean	201



Nathan Baskett, March 3 , 2011



Storage (acre-feet)	January 25, 2024	262,408	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	37,619	1,254
	Last 7 days	15,223	2,175
Daily Inflow (cfs)	Last 7 days	Min	535
		Max	3,435
		Mean	1,712
Release (cfs)	Last 7 days	Min	172
		Max	1,253
		Mean	561

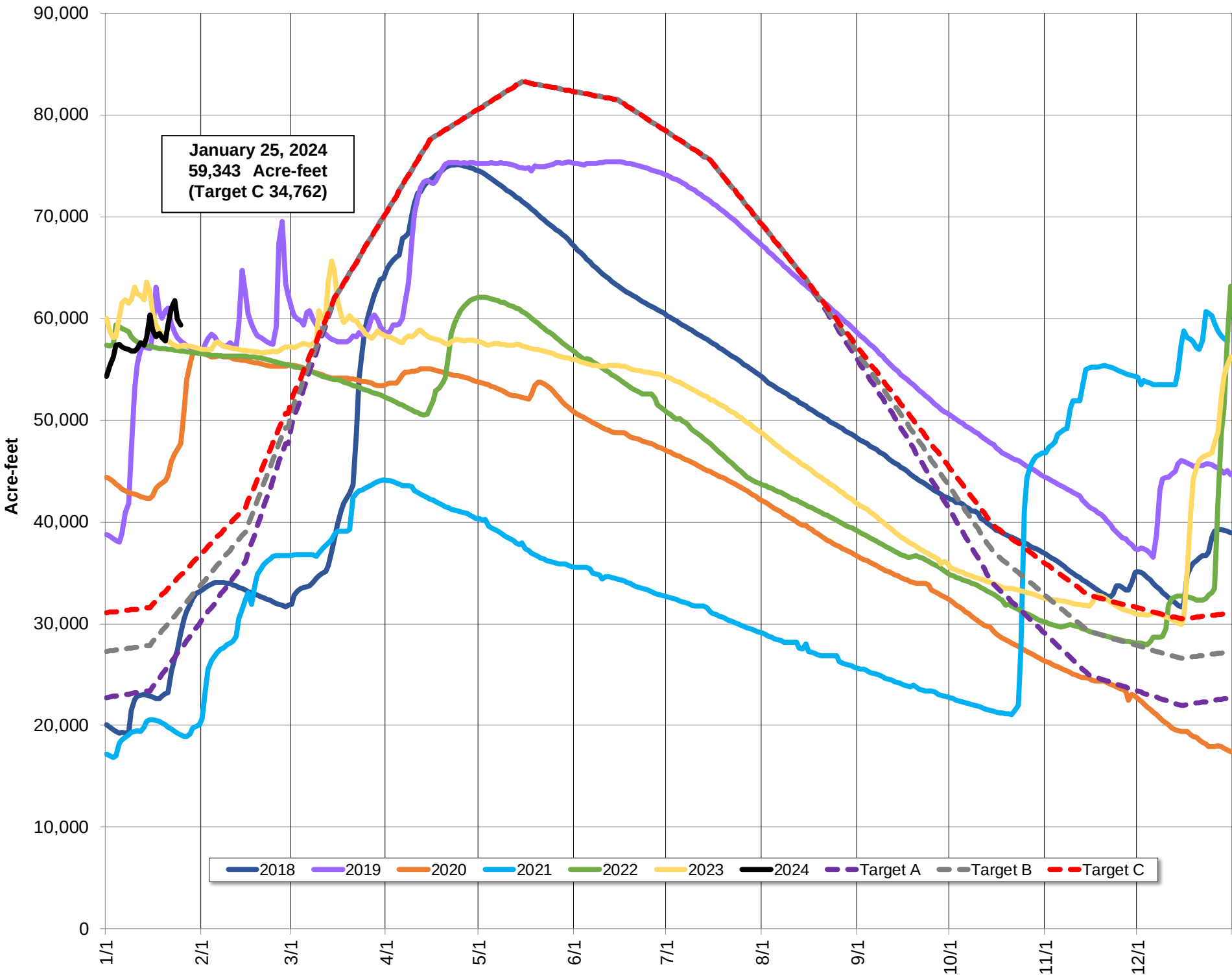
Potter Valley Project

PVP Diversion (cfs)	January 25, 2024	46
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - January 25, 2024	127,982	1,094
	Last 7 days	45,791	6,542

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios

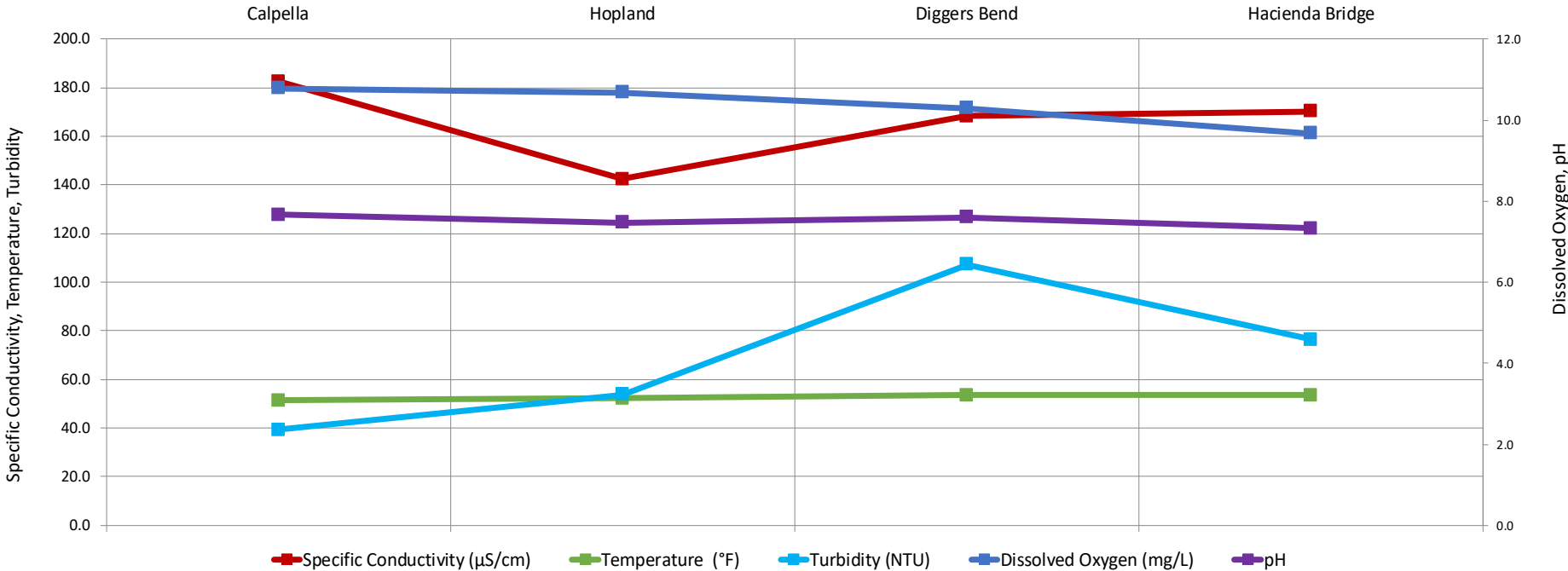


Russian River Flows (January 19, 2024 - January 25, 2024)

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	49.6	50.7		51.3	51.4		52.0	
	Max	53.6	53.8		55.0	55.0		54.9	
	Mean	51.4	52.2		53.3	53.4		53.6	
Specific Conductivity (µS/cm)	Min	151.0	102.0			104.0		110.0	
	Max	211.0	180.0			200.0		210.0	
	Mean	182.6	142.6			168.3		170.4	
Dissolved Oxygen (mg/L)	Min	10.4	10.2			10.0		8.9	
	Max	11.1	11.1			10.6		10.2	
	Mean	10.8	10.7			10.3		9.7	
Dissolved Oxygen (% Saturation)	Min	95.4	92.5			93.6		83.7	
	Max	99.0	100.0			96.5		93.5	
	Mean	97.2	97.3			95.3		89.7	
pH	Min	7.5	7.3			7.4		7.1	
	Max	7.8	7.7			7.7		7.5	
	Mean	7.7	7.5			7.6		7.3	
Turbidity (NTU)	Min	8.1	19.5			29.8		26.5	
	Max	415.0	290.0			600.0		306.0	
	Mean	39.2	53.7			107.3		76.4	

*Station operated seasonally

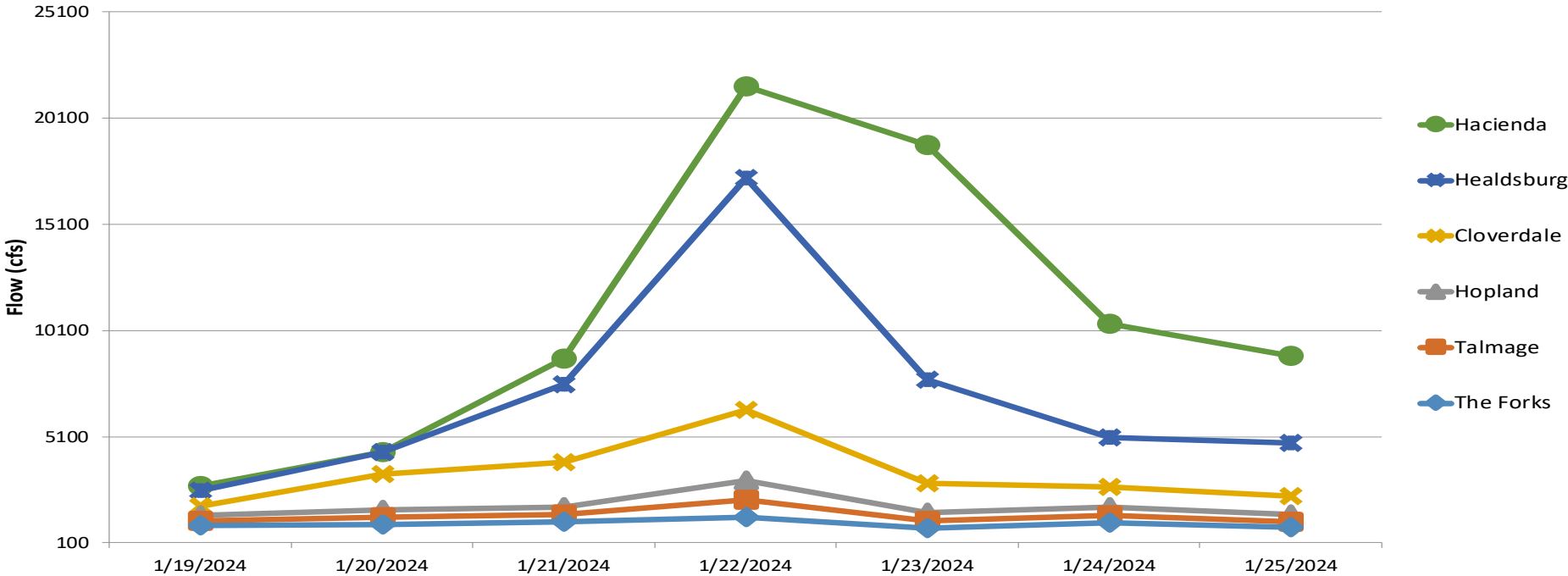
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Jan 19, 2024	Jan 20, 2024	Jan 21, 2024	Jan 22, 2024	Jan 23, 2024	Jan 24, 2024	Jan 25, 2024
The Forks*	923	969	1083	1304	796	1052	807
Talmage USGS 11462080	1125	1291	1428	2138	1114	1400	1081
Hopland USGS 11462500	1372	1663	1788	3048	1535	1757	1443
Cloverdale USGS 11463000	1837	3348	3891	6343	2918	2709	2309
Healdsburg USGS 11464000	2555	4354	7570	17256	7782	5051	4799
Hacienda USGS 11467000	2788	4381	8755	21607	18842	10416	8914

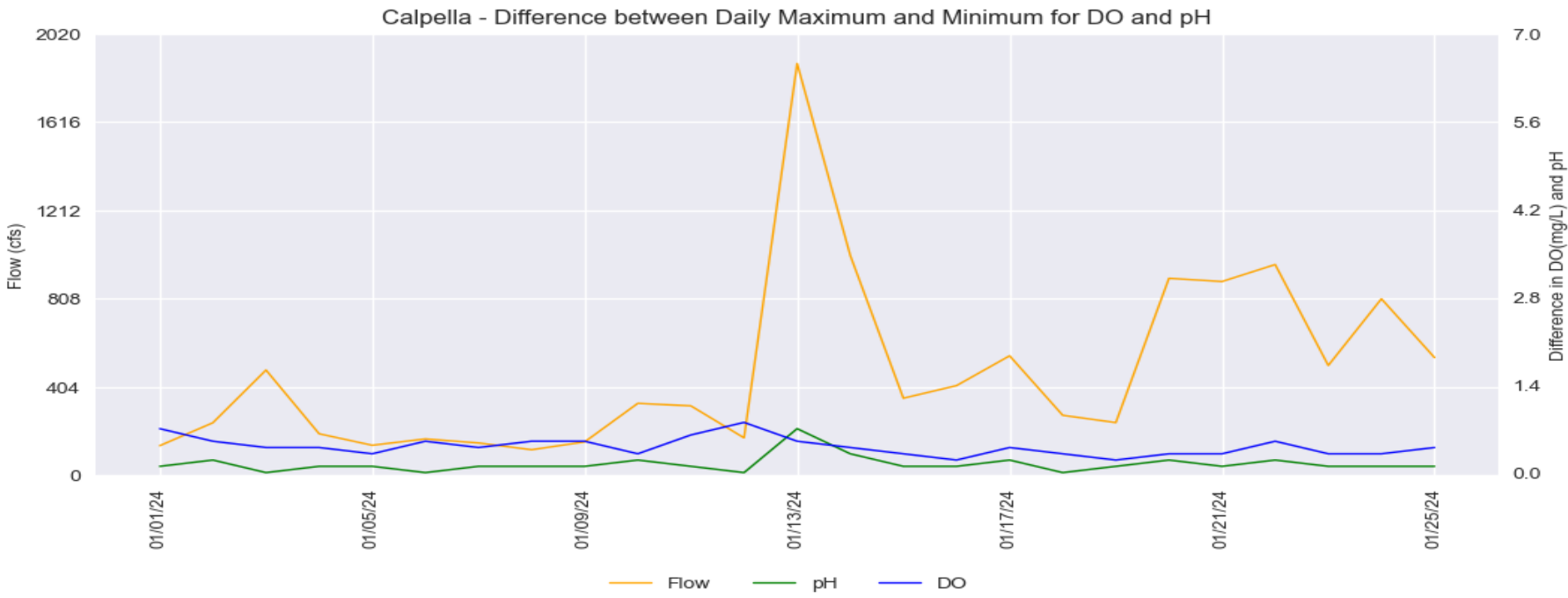
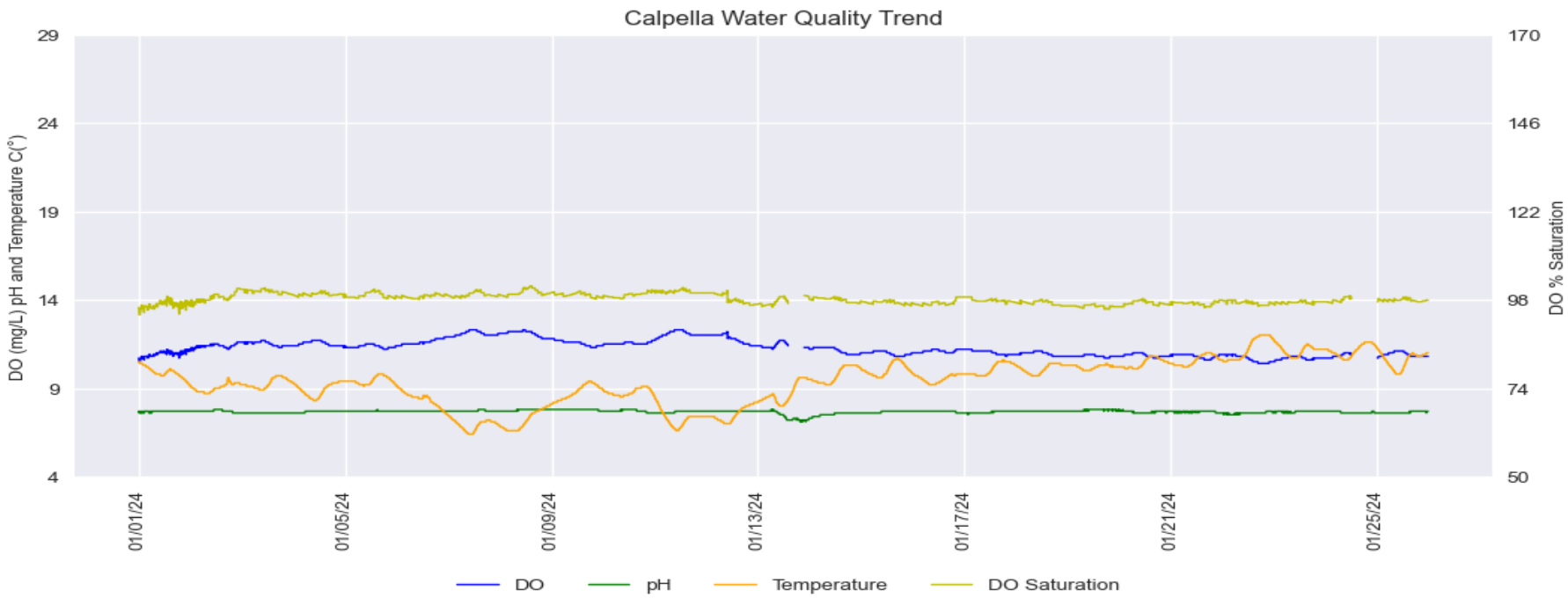
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

Russian River Flows

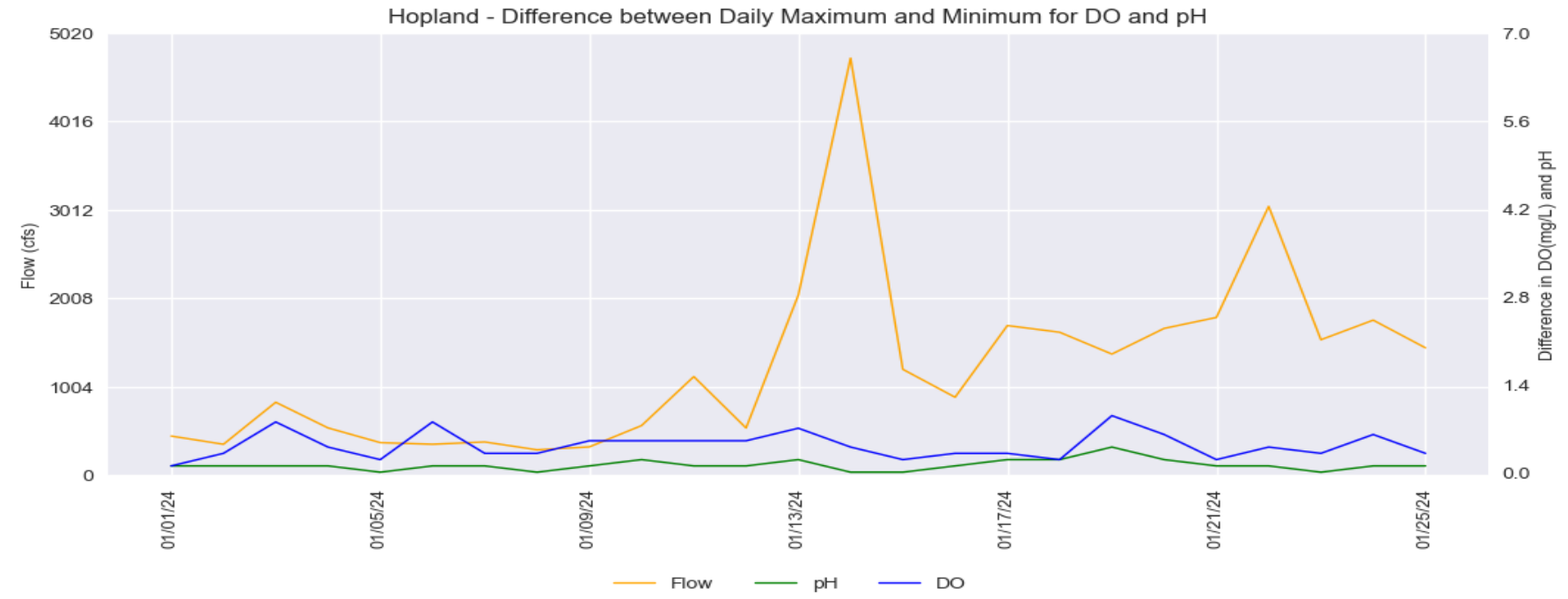
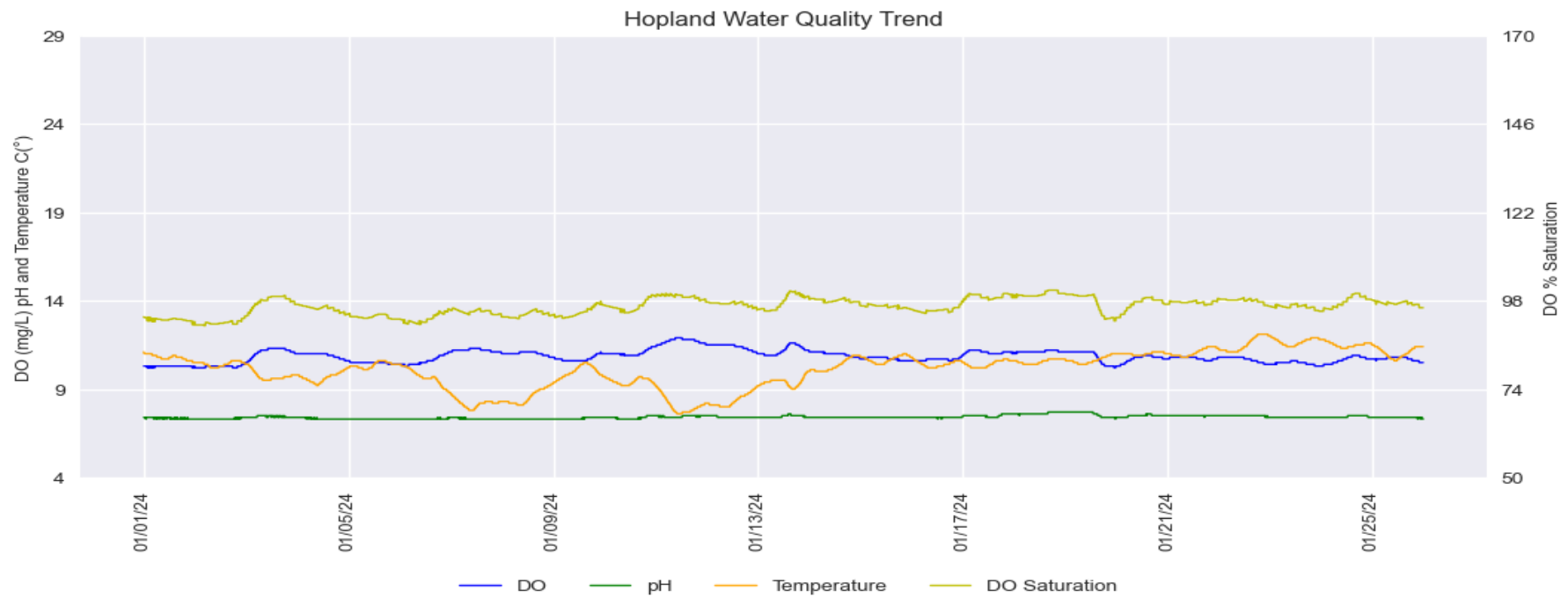


Russian River Water Quality January 1, 2024 – January 25, 2024
Provisional Data Subject to Revision

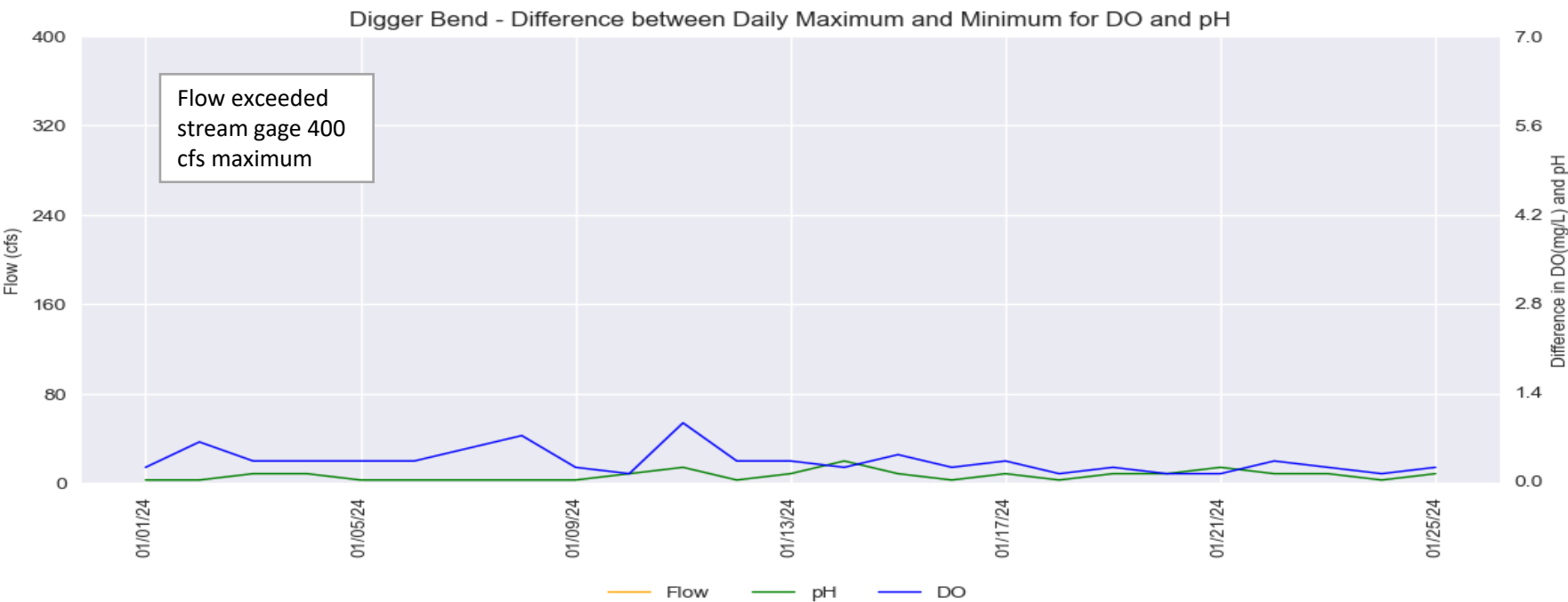
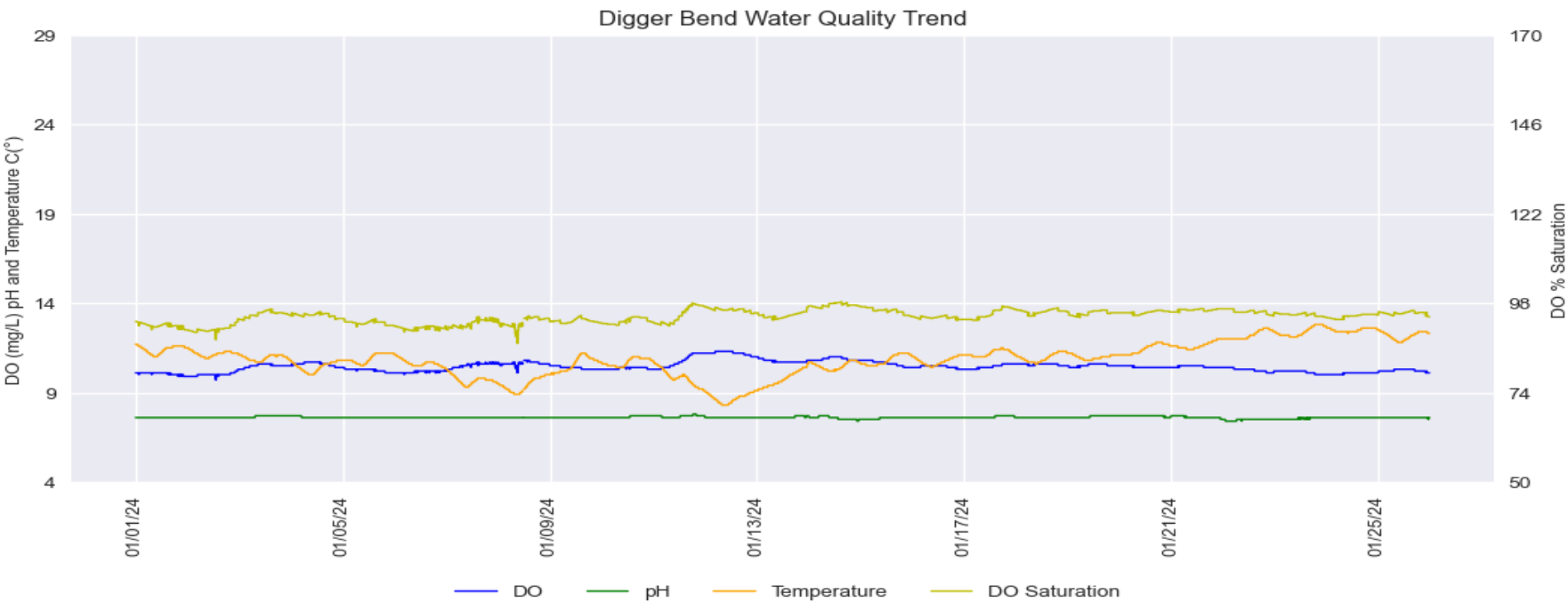
Calpella



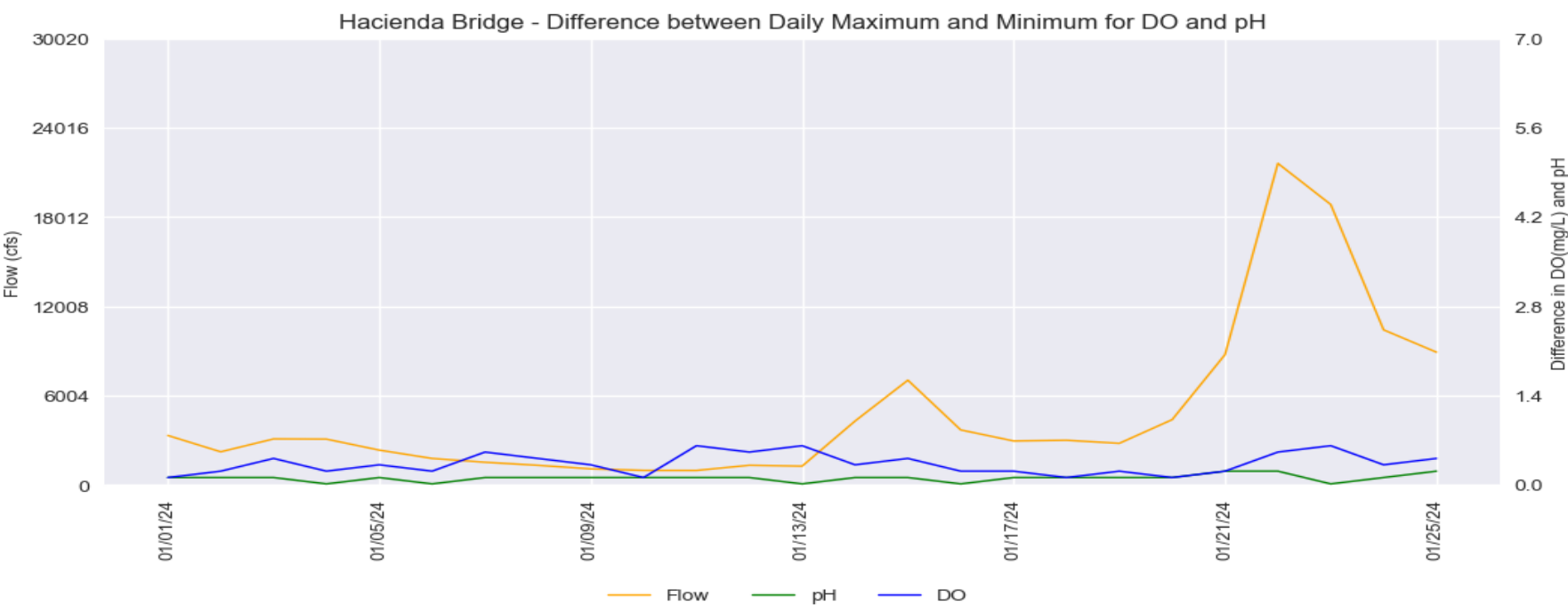
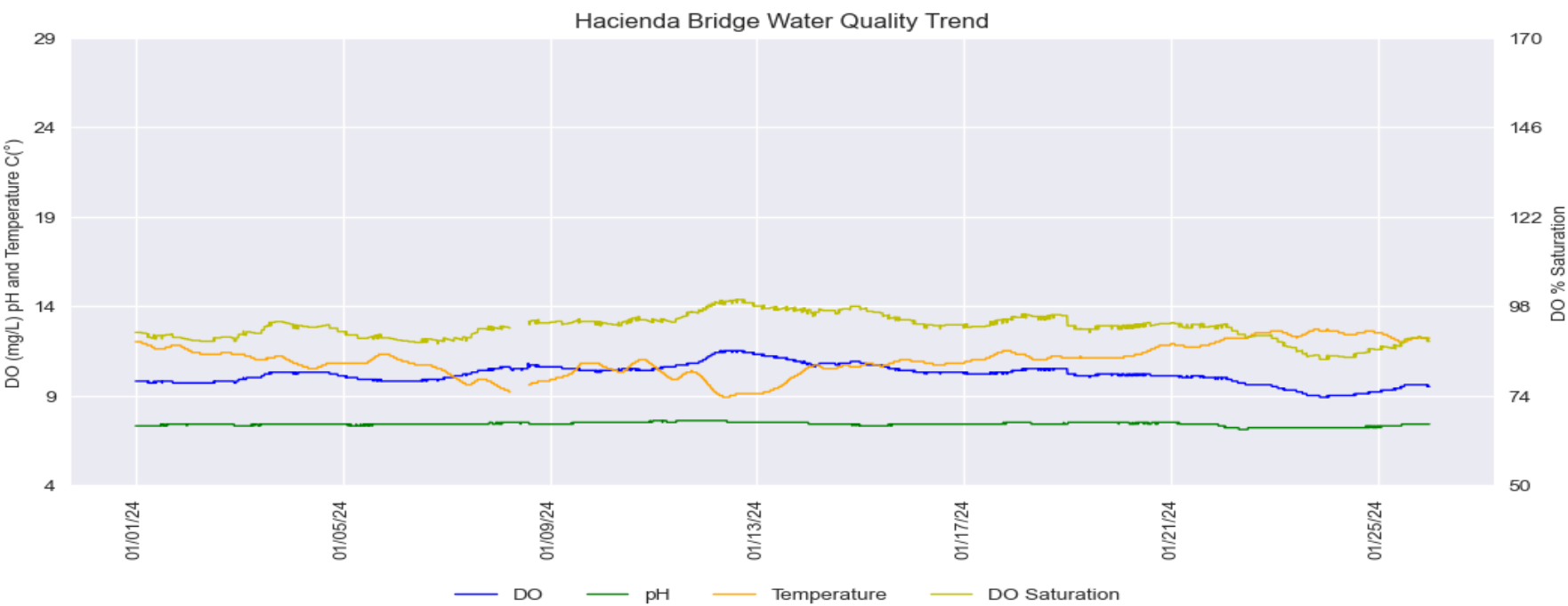
Hopland



Russian River Water Quality January 1, 2024 – January 25, 2024
Provisional Data Subject to Revision
Digger Bend



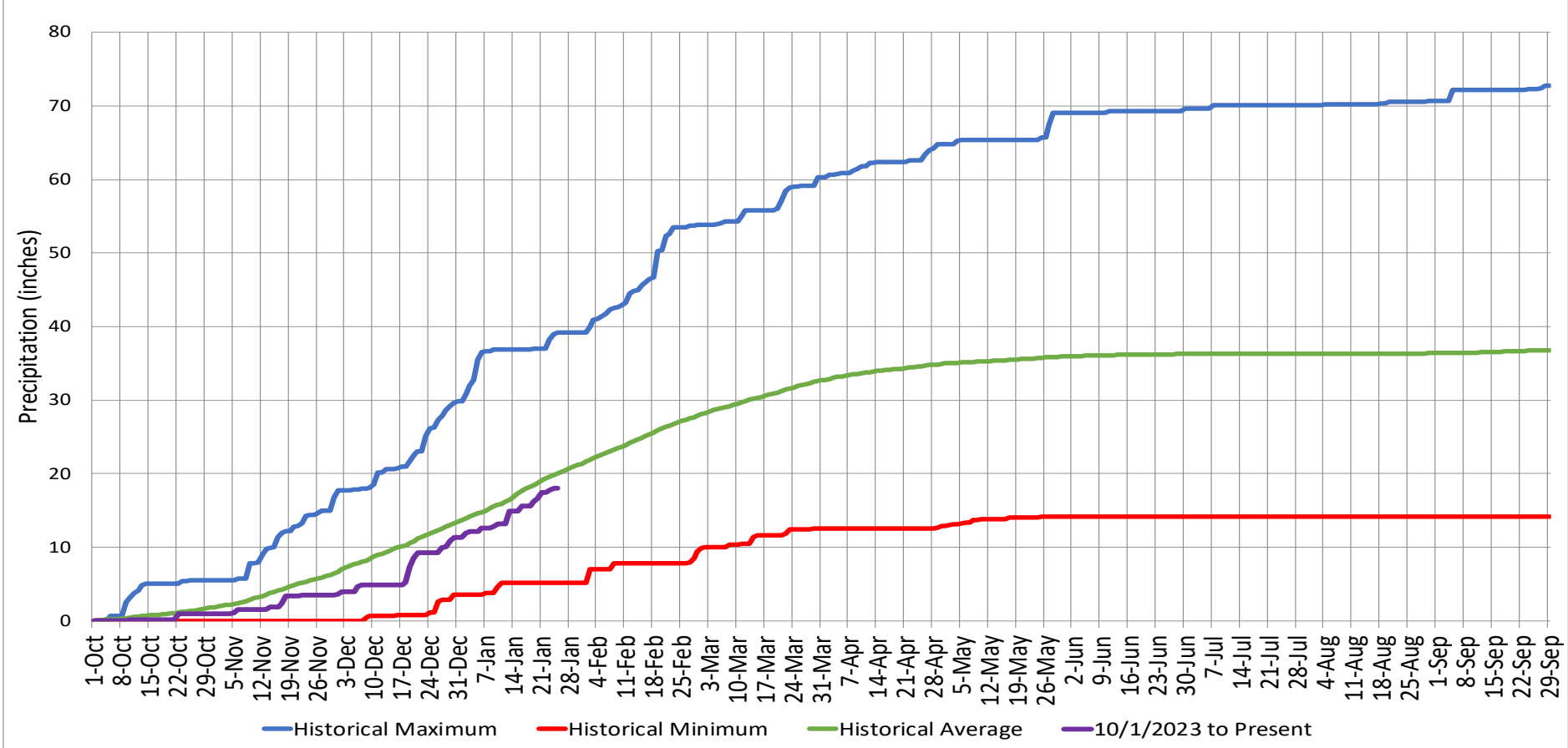
Hacienda Bridge



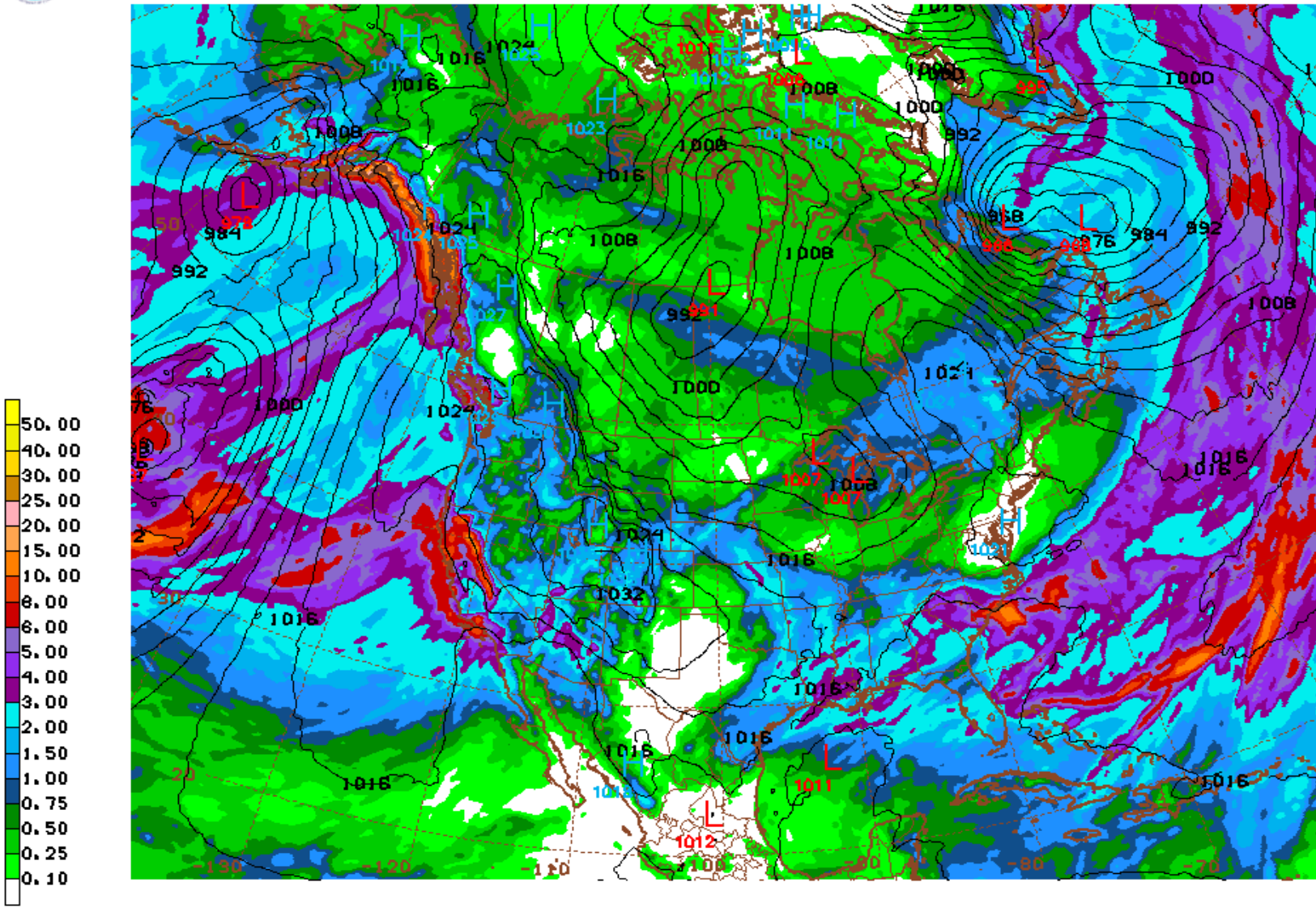
Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2023 - Jan 25, 2024	18.07
Last 7 Days*	2.42

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 01/29/24 12UTC 384HR FCST VALID WED 02/14/24 12UTC NOAA/NWS/NCEP



6FS WED 240214/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)
Date Range
Jan 29 - Feb 14, 2024
Forecasted Cumulative (inches)
8.02