

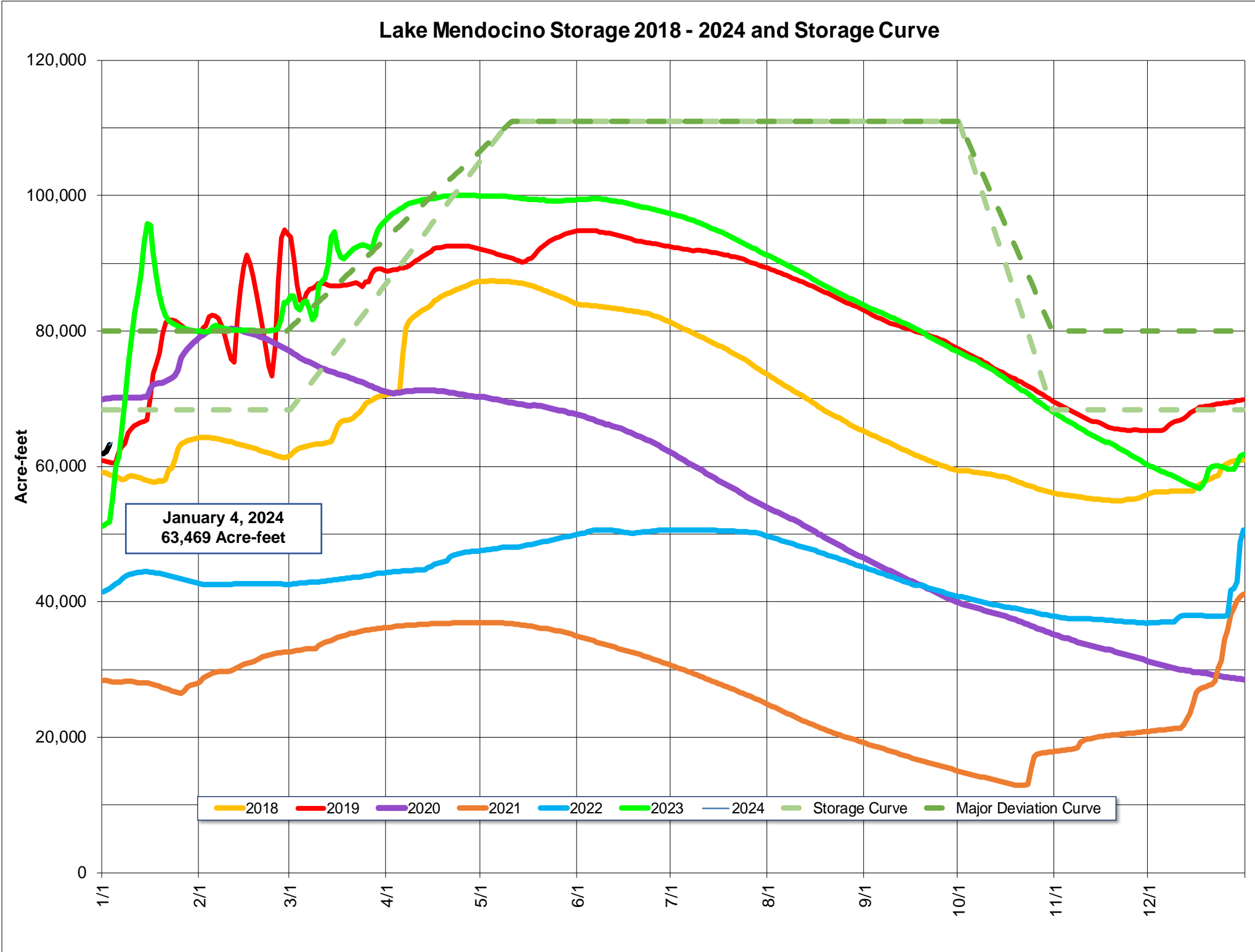


State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 December 29, 2023 - January 4, 2024

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 4, 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



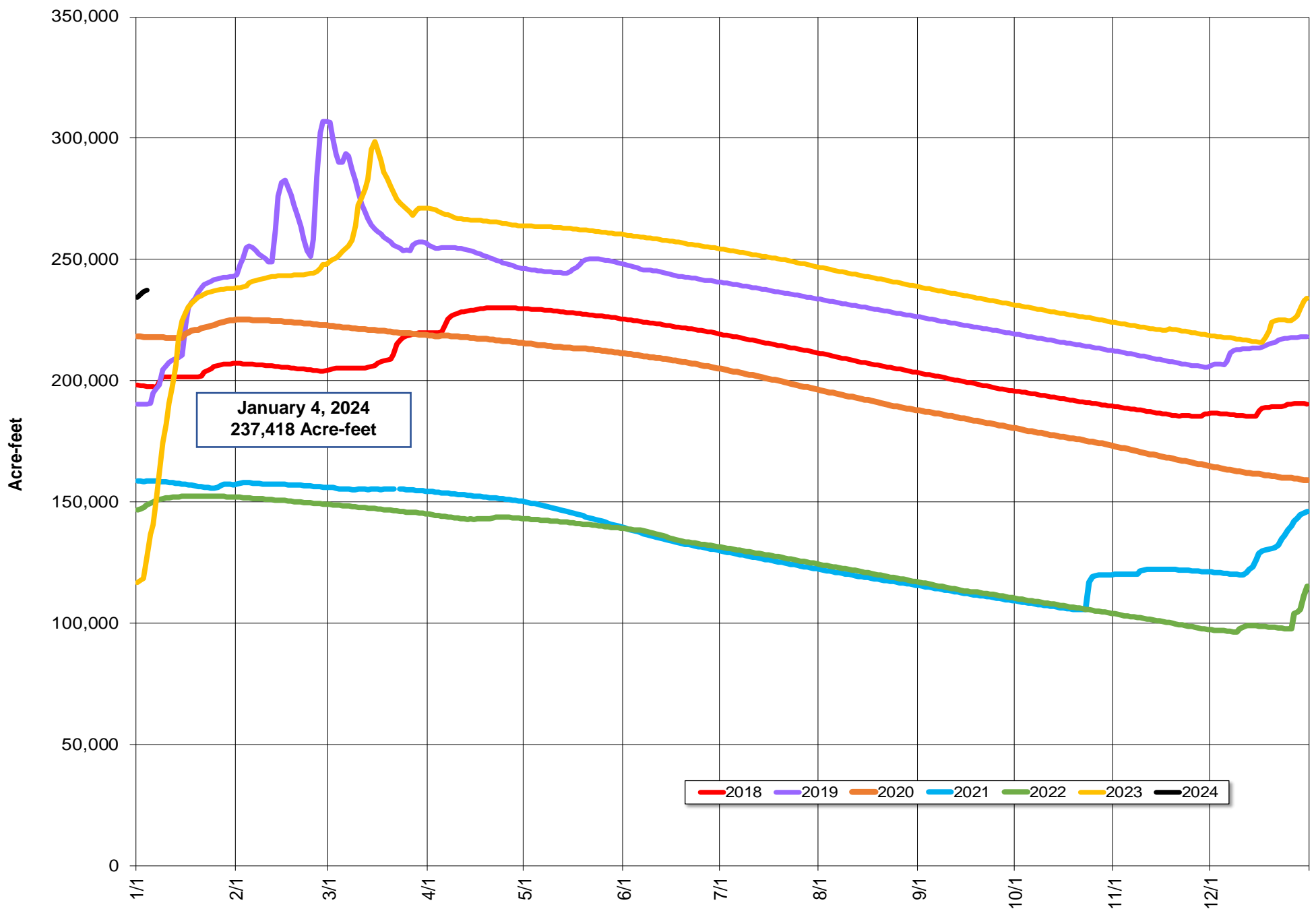
Storage (acre-feet)	January 4, 2024	63,469	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	4,185	140
Daily Inflow (cfs)	Last 7 days	Min	141
		Max	607
		Mean	350
Release (cfs)	Last 7 days	Min	33
		Max	119
		Mean	71

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	January 4, 2024	237,418	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	19,527	651
	Last 7 days	7,234	1,033
Daily Inflow (cfs)	Last 7 days	Min	359
		Max	1,877
		Mean	886
Release (cfs)	Last 7 days	Min	103
		Max	112
		Mean	110

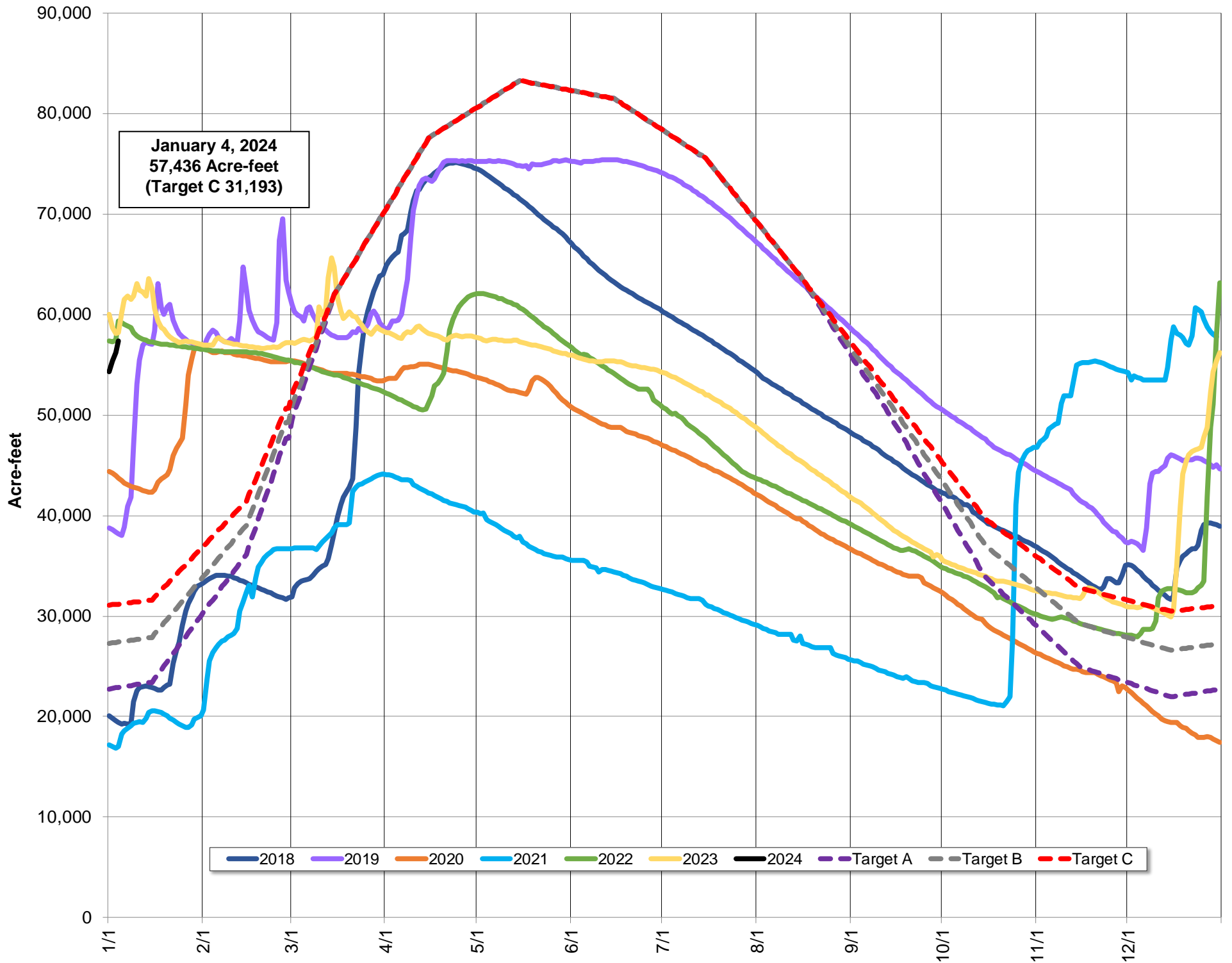
Potter Valley Project

PVP Diversion (cfs)	January 4, 2024	46
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - January 4, 2024	47,556	495
	Last 7 days	13,899	1,986

*Inflow calculation based on criteria established in D1610

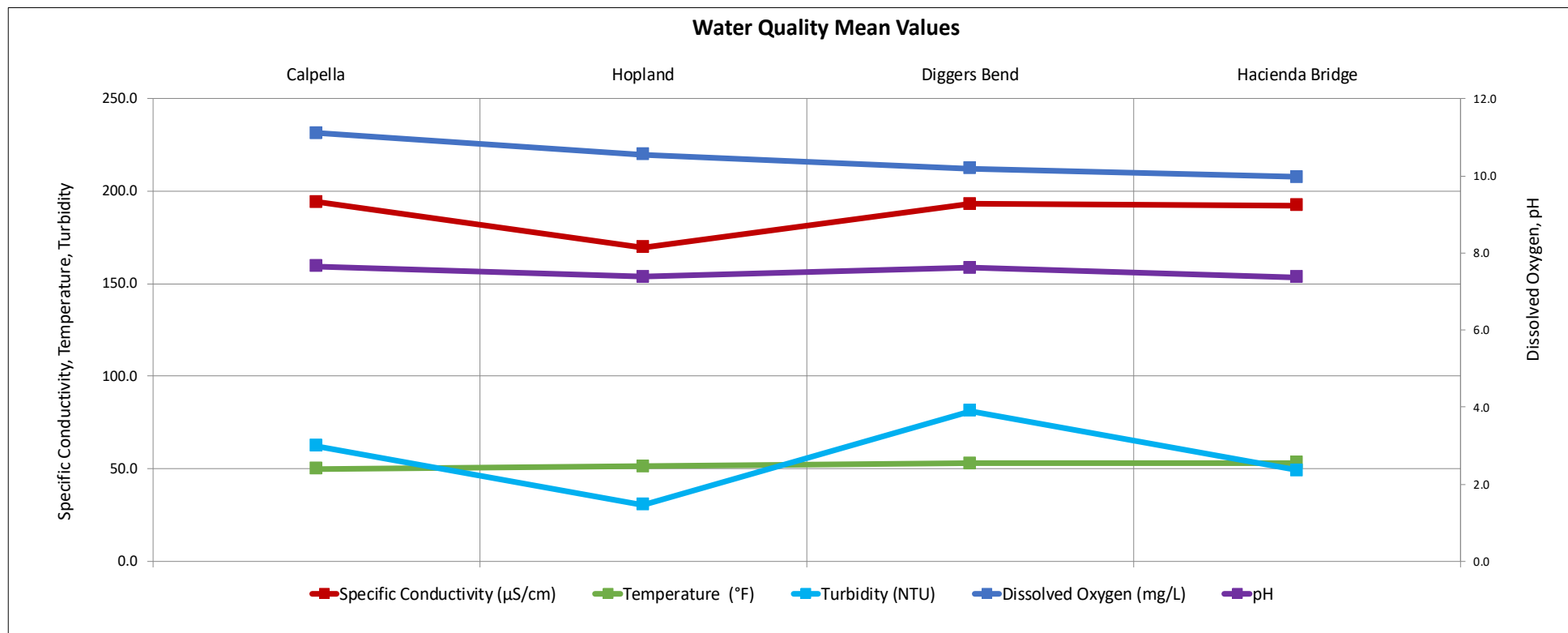
Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios



Russian River Flows (December 29, 2023 - January 4, 2024)

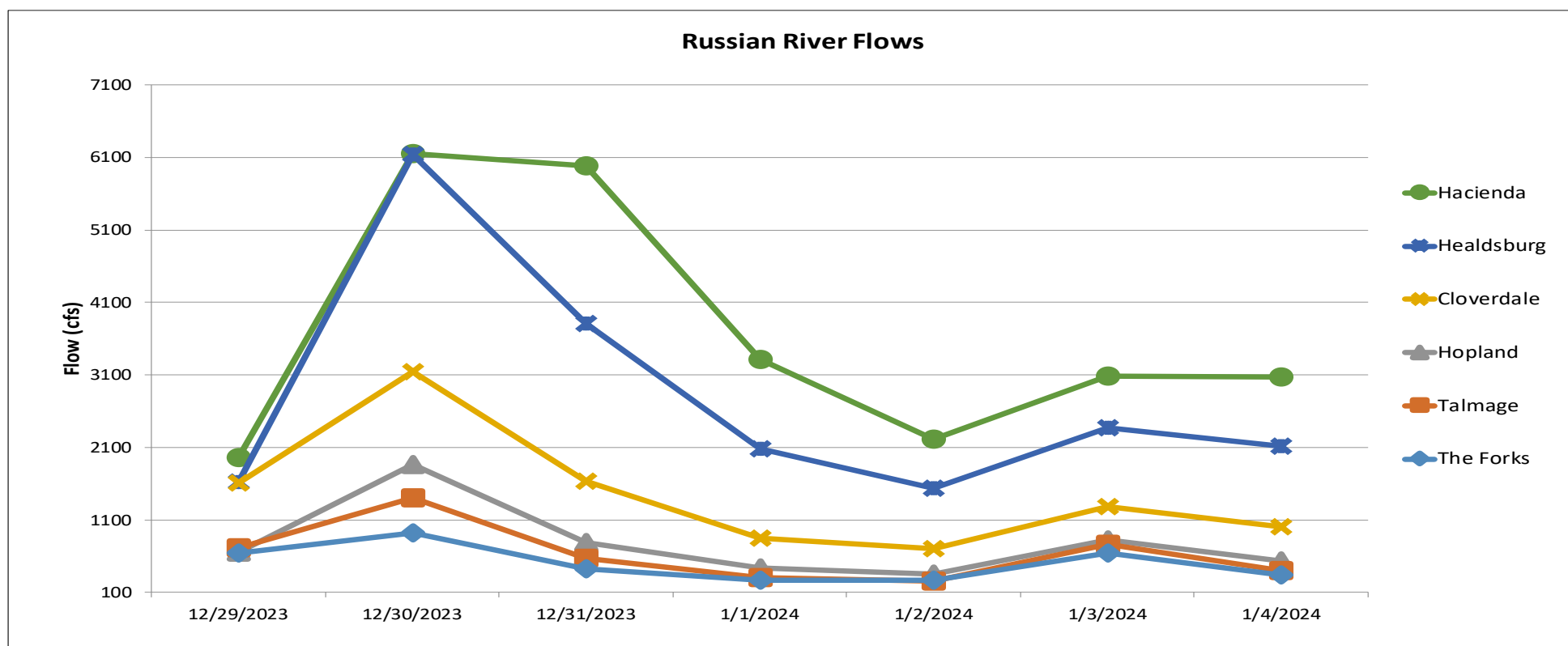
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	46.9	48.6		49.8	50.0		50.9	
	Max	53.6	54.1		55.4	55.6		55.4	
	Mean	50.0	51.3		52.7	52.9		53.3	
Specific Conductivity (µS/cm)	Min	156.0	119.0			137.0		146.0	
	Max	248.0	215.0			235.0		229.0	
	Mean	194.4	169.8			193.2		192.4	
Dissolved Oxygen (mg/L)	Min	10.2	9.9			9.5		9.7	
	Max	11.7	11.3			10.7		10.3	
	Mean	11.1	10.6			10.2		10.0	
Dissolved Oxygen (% Saturation)	Min	91.8	91.2			88.1		88.5	
	Max	101.2	99.4			96.3		94.7	
	Mean	98.4	95.0			93.7		92.1	
pH	Min	7.5	7.3			7.6		7.3	
	Max	7.8	7.5			7.7		7.5	
	Mean	7.7	7.4			7.6		7.4	
Turbidity (NTU)	Min	5.9	7.3			17.8		16.4	
	Max	361.0	178.0			261.0		160.0	
	Mean	62.4	30.5			81.1		49.2	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Dec 29, 2023	Dec 30, 2023	Dec 31, 2023	Jan 1, 2024	Jan 2, 2024	Jan 3, 2024	Jan 4, 2024
The Forks*	639	917	427	271	261	639	337
Talmage USGS 11462080	719	1407	564	309	255	760	404
Hopland USGS 11462500	659	1860	784	442	349	825	535
Cloverdale USGS 11463000	1615	3148	1635	848	707	1281	1008
Healdsburg USGS 11464000	1616	6144	3805	2078	1535	2365	2113
Hacienda USGS 11467000	1955	6154	5986	3316	2218	3083	3071

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

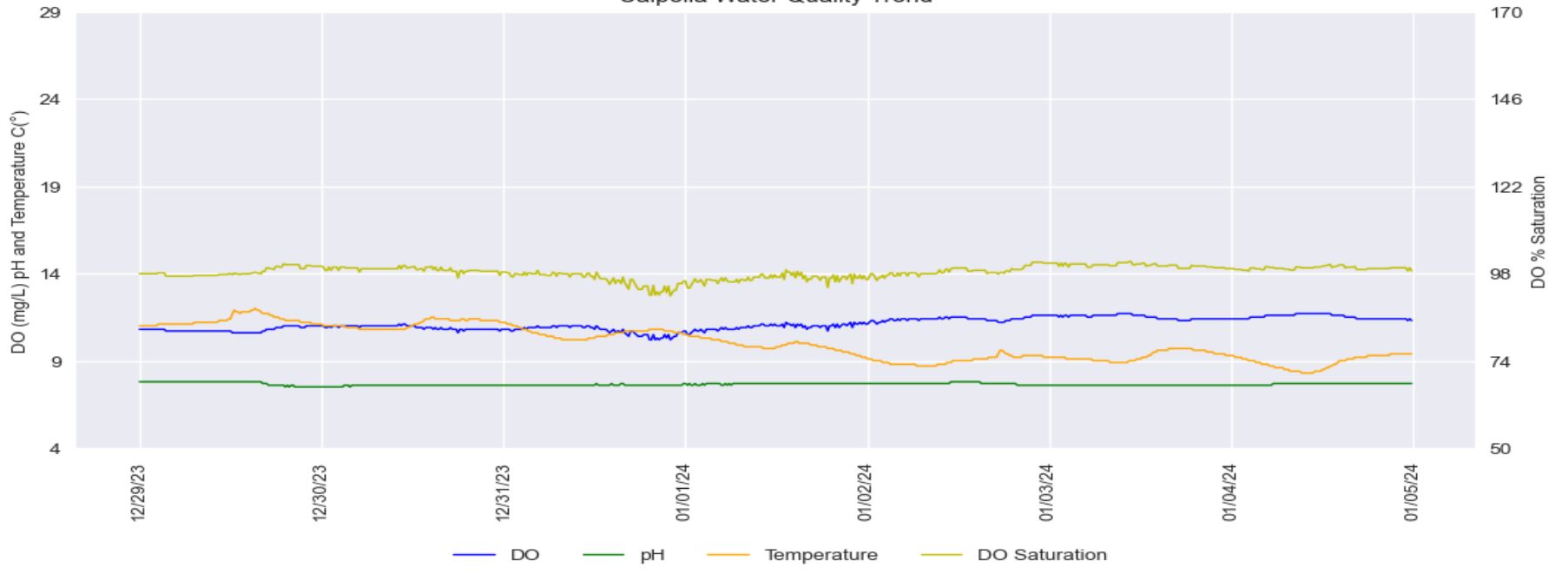


Russian River Water Quality December 29 2023 – January 4, 2024

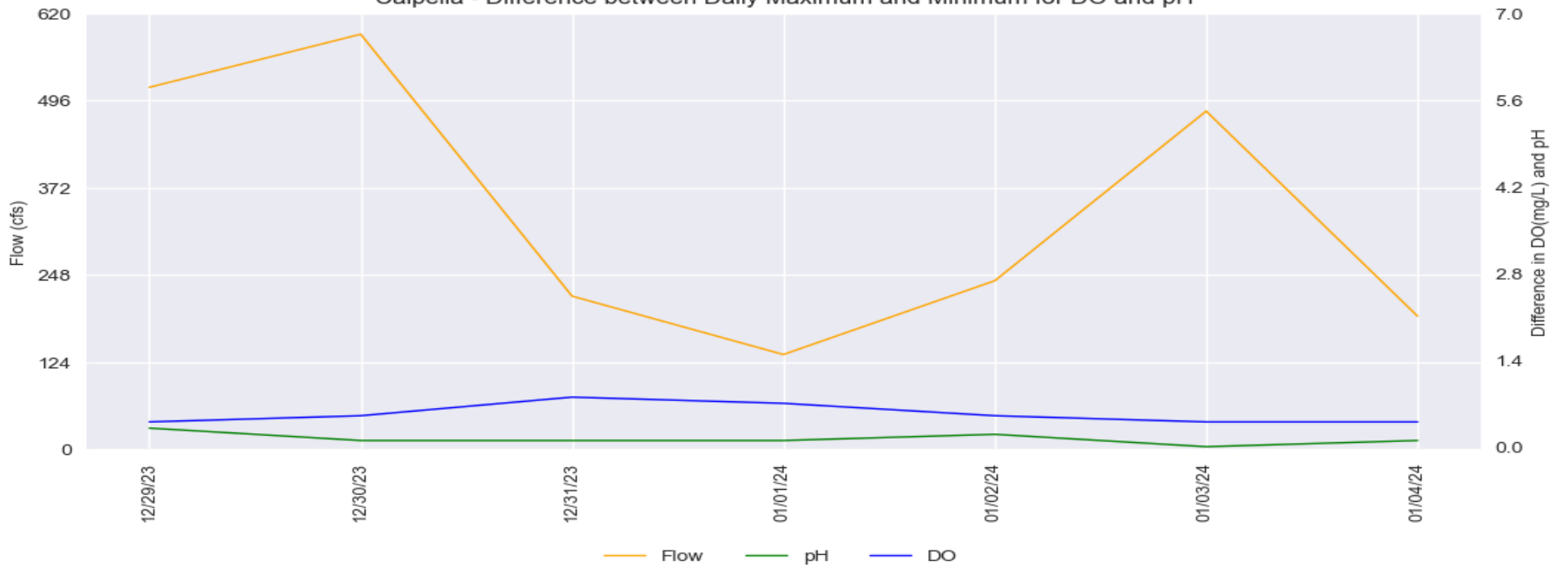
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

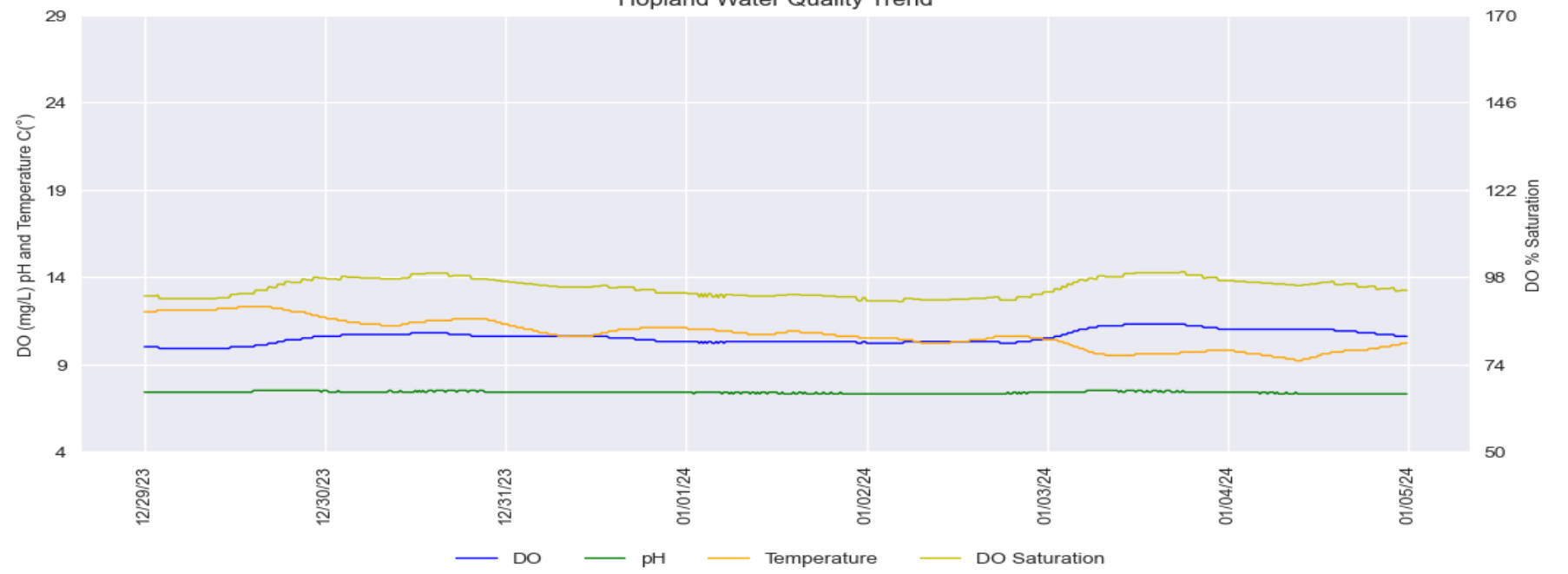


Calpella - Difference between Daily Maximum and Minimum for DO and pH

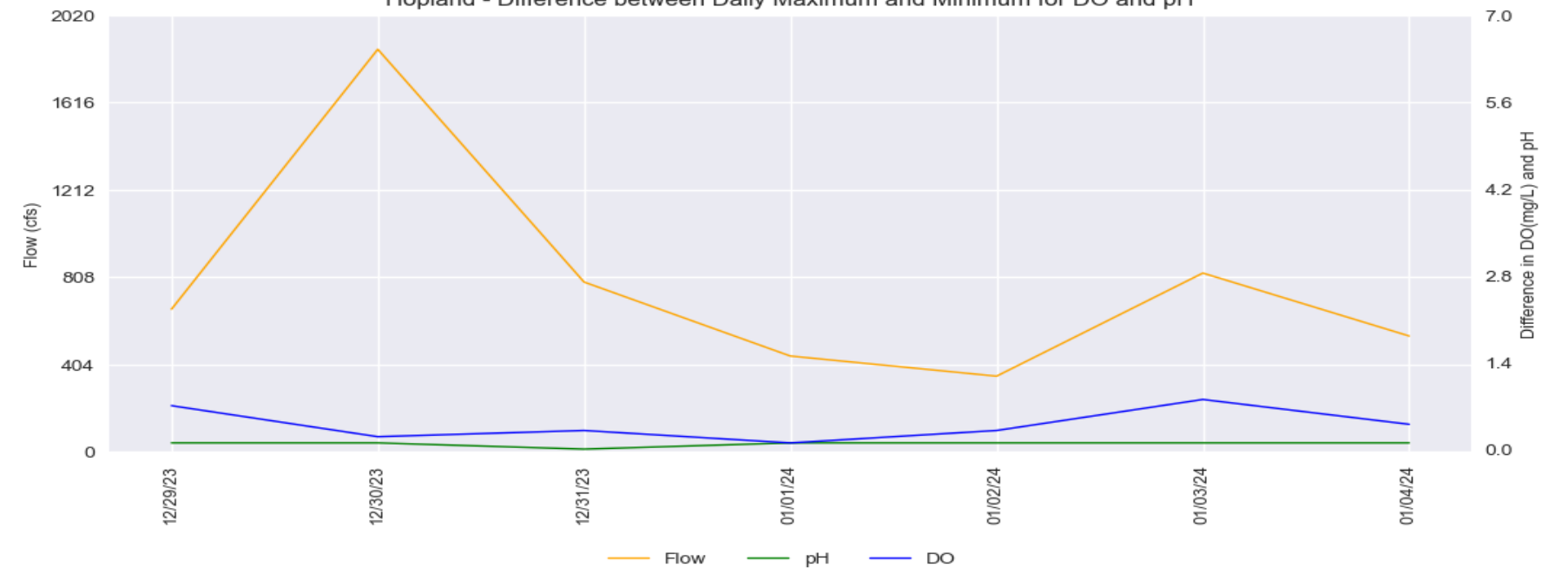


Hopland

Hopland Water Quality Trend



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

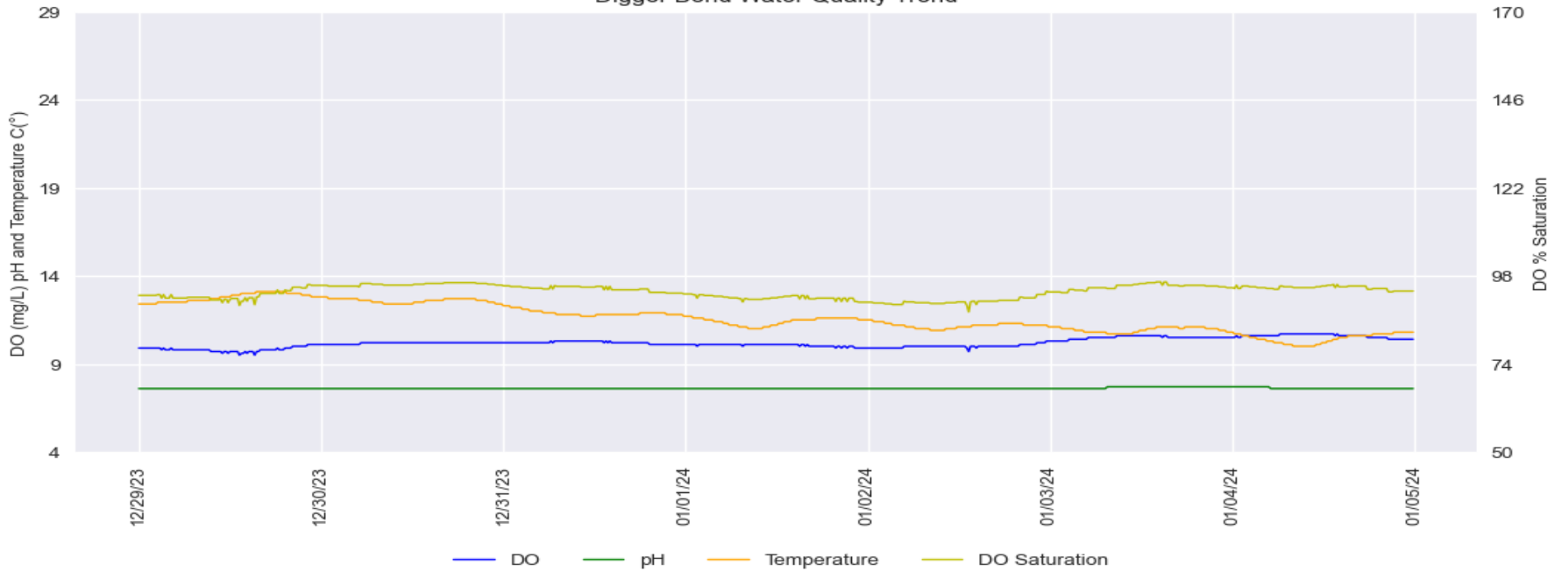


Russian River Water Quality December 29 2023 – January 4, 2024

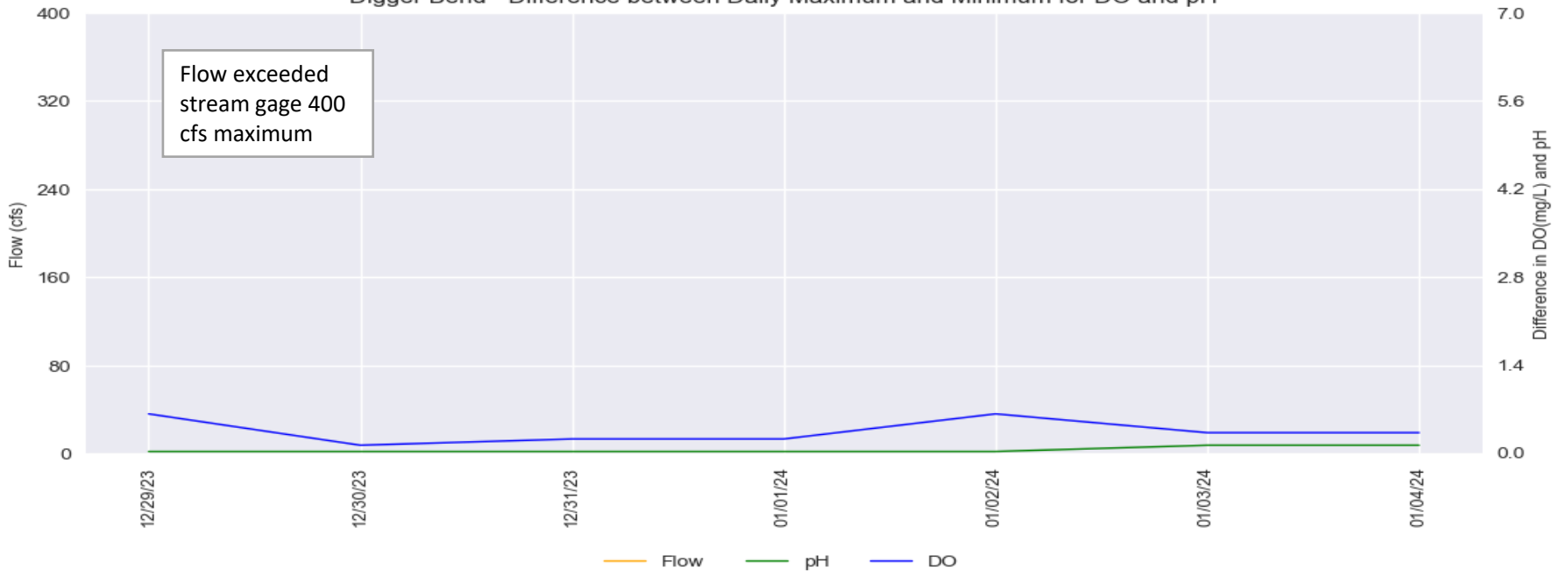
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

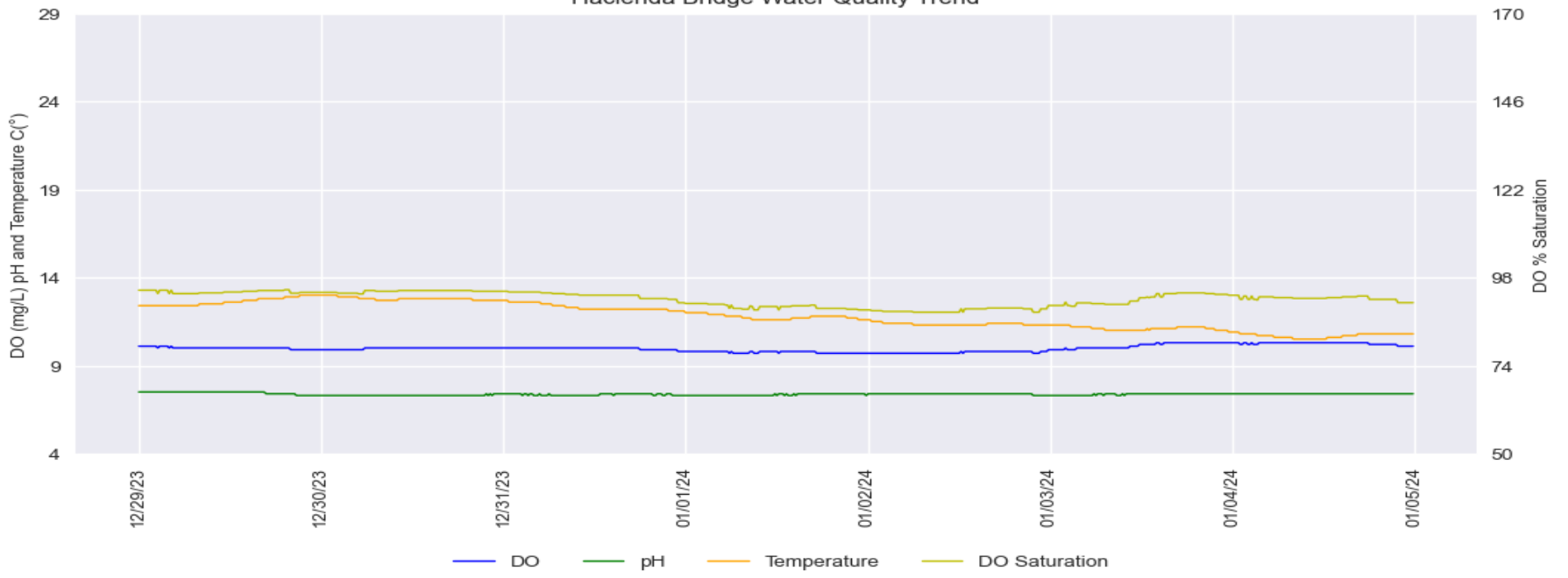


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

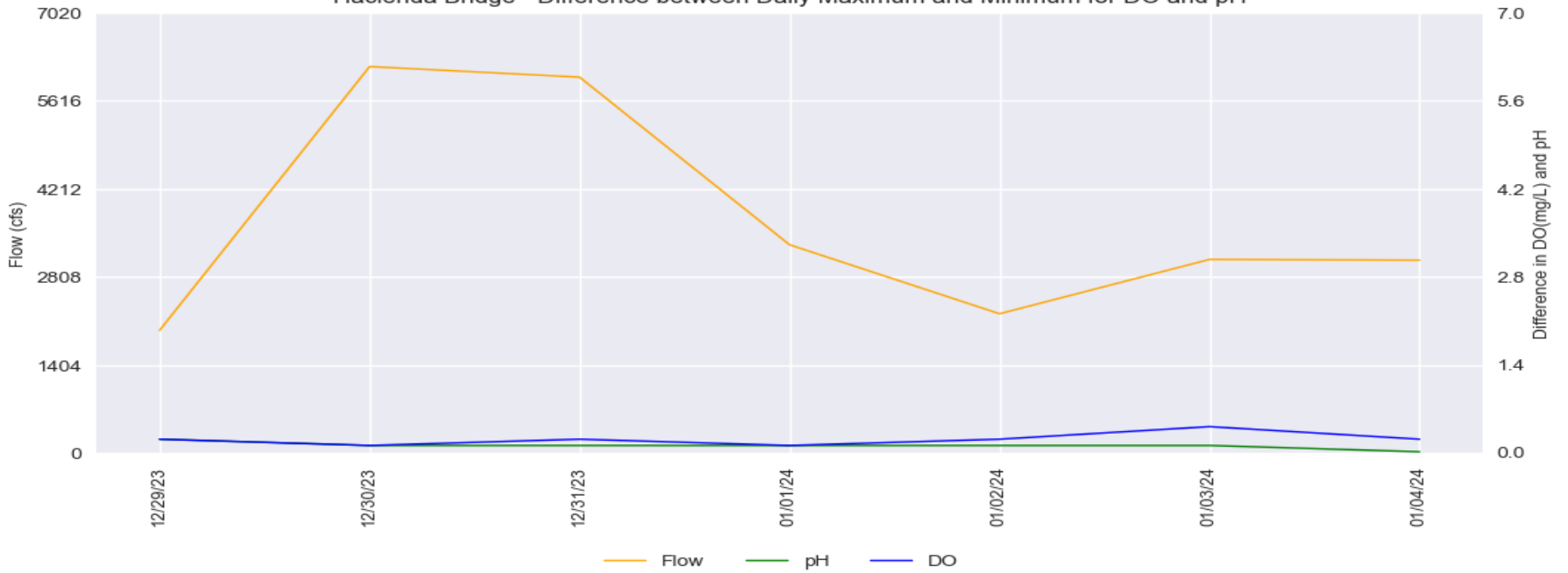


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

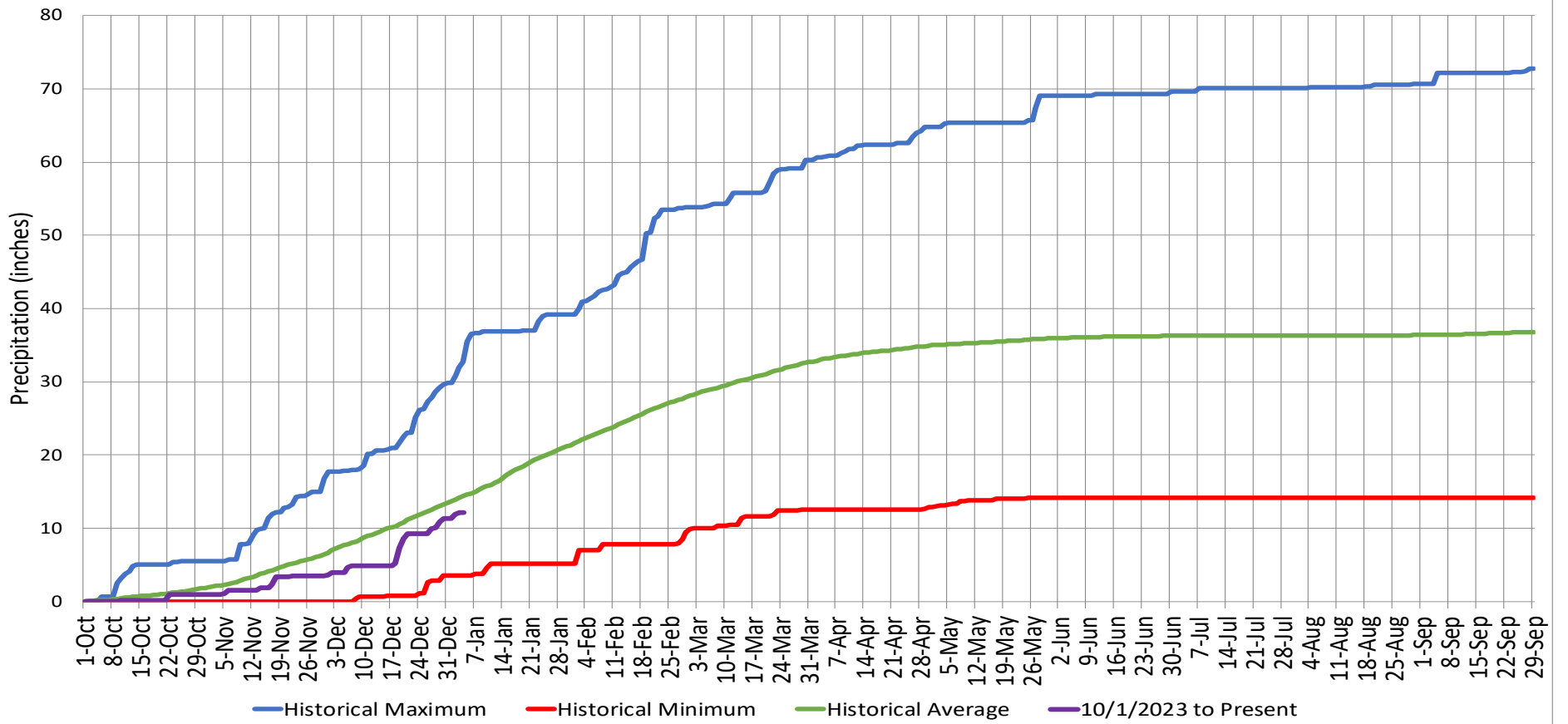


Precipitation

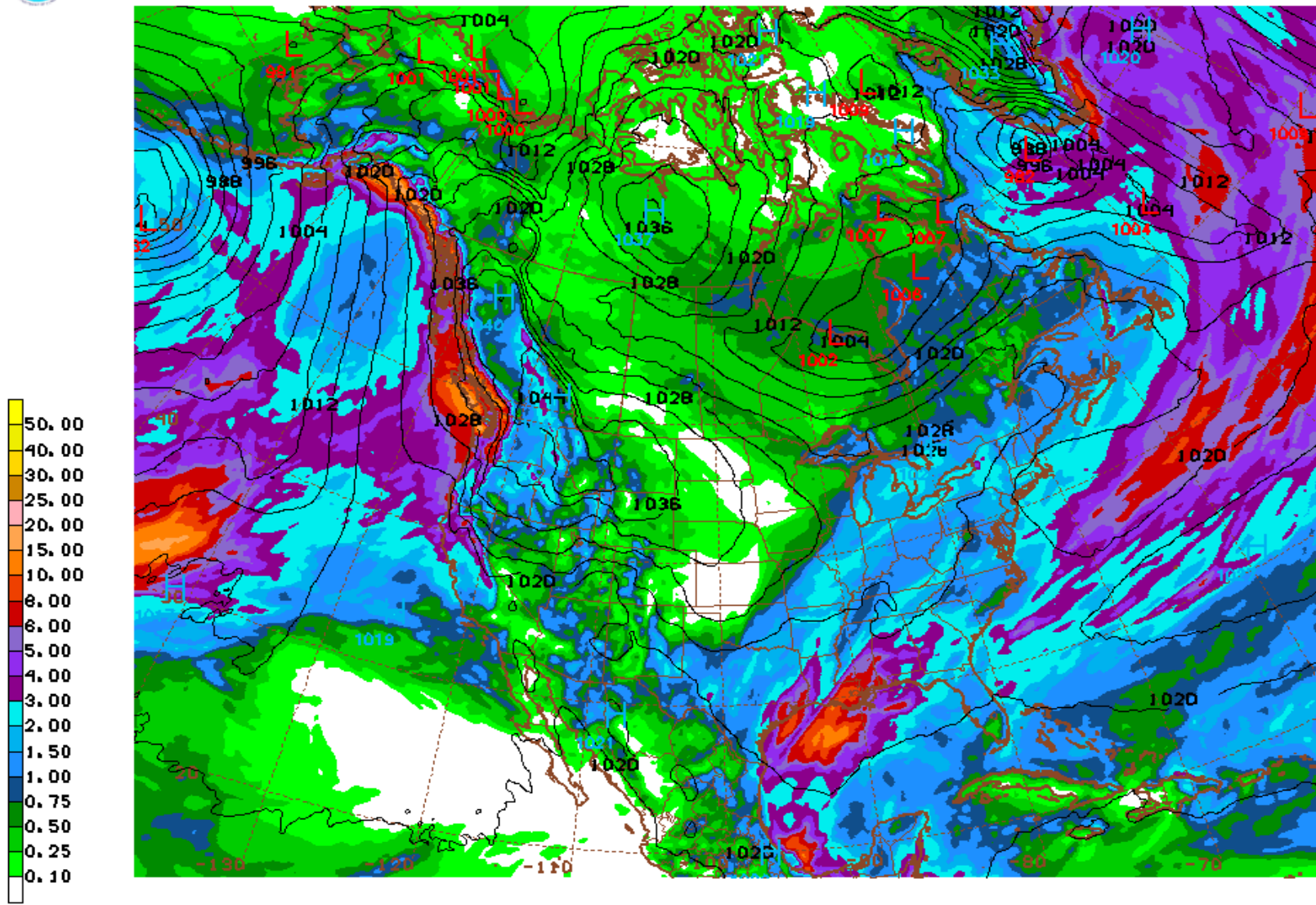
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - Jan 4, 2024	12.87
Last 7 Days*	2.14

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 01/16/24 12UTC 384HR FCST VALID THU 02/01/24 12UTC NOAA/NWS/NCEP



6FS THU 240201/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Jan 16 - Feb 1, 2024

Forecasted Cumulative (inches)
3.11