



Sonoma
Water

State Water Resources Control Board
Temporary Urgency Change Order (12/27/2023)
Russian River Hydrologic & Water Quality Report
January 26, 2024 - February 1, 2024

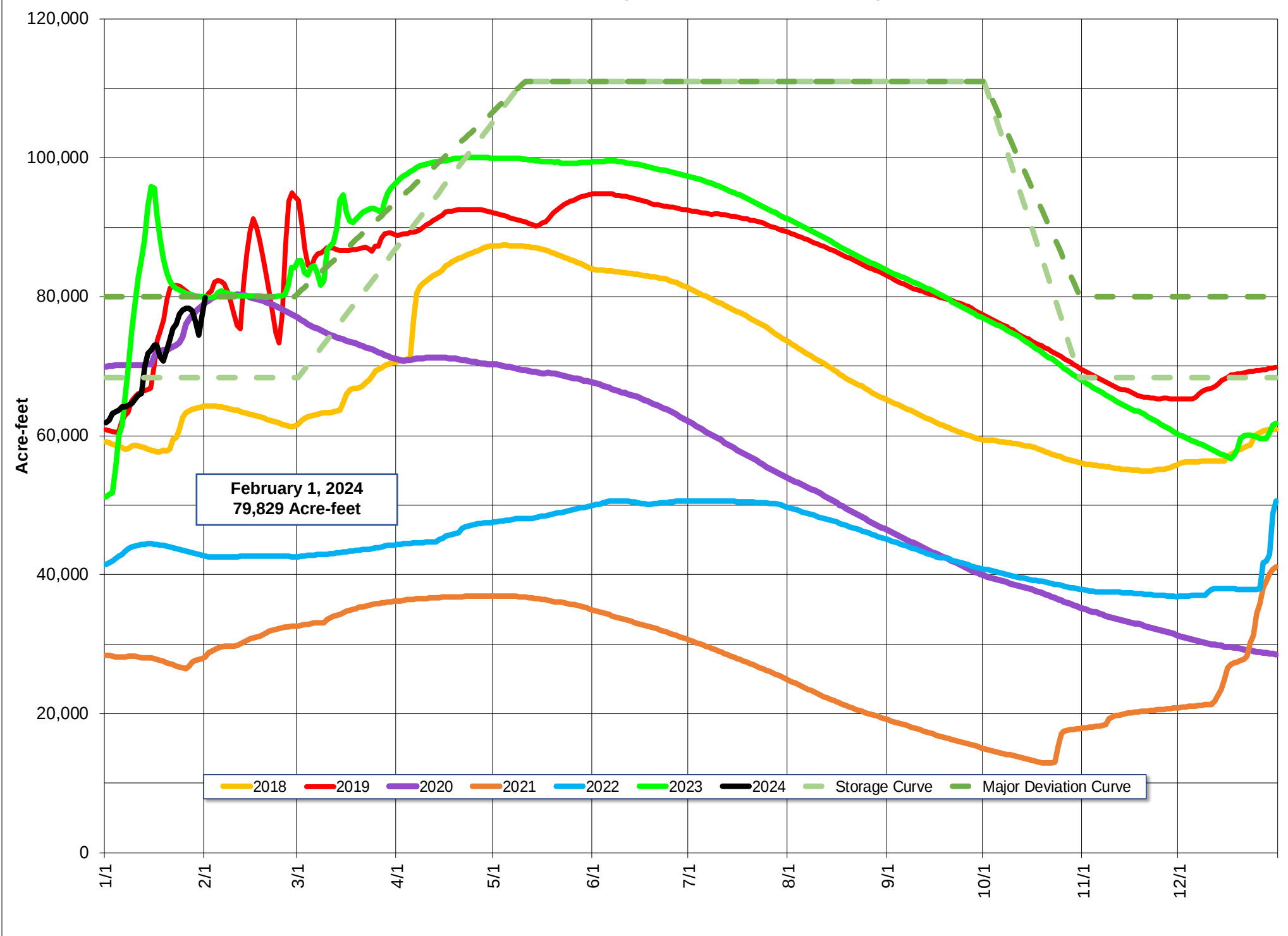
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of February 1, 2024

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	-

Lake Mendocino

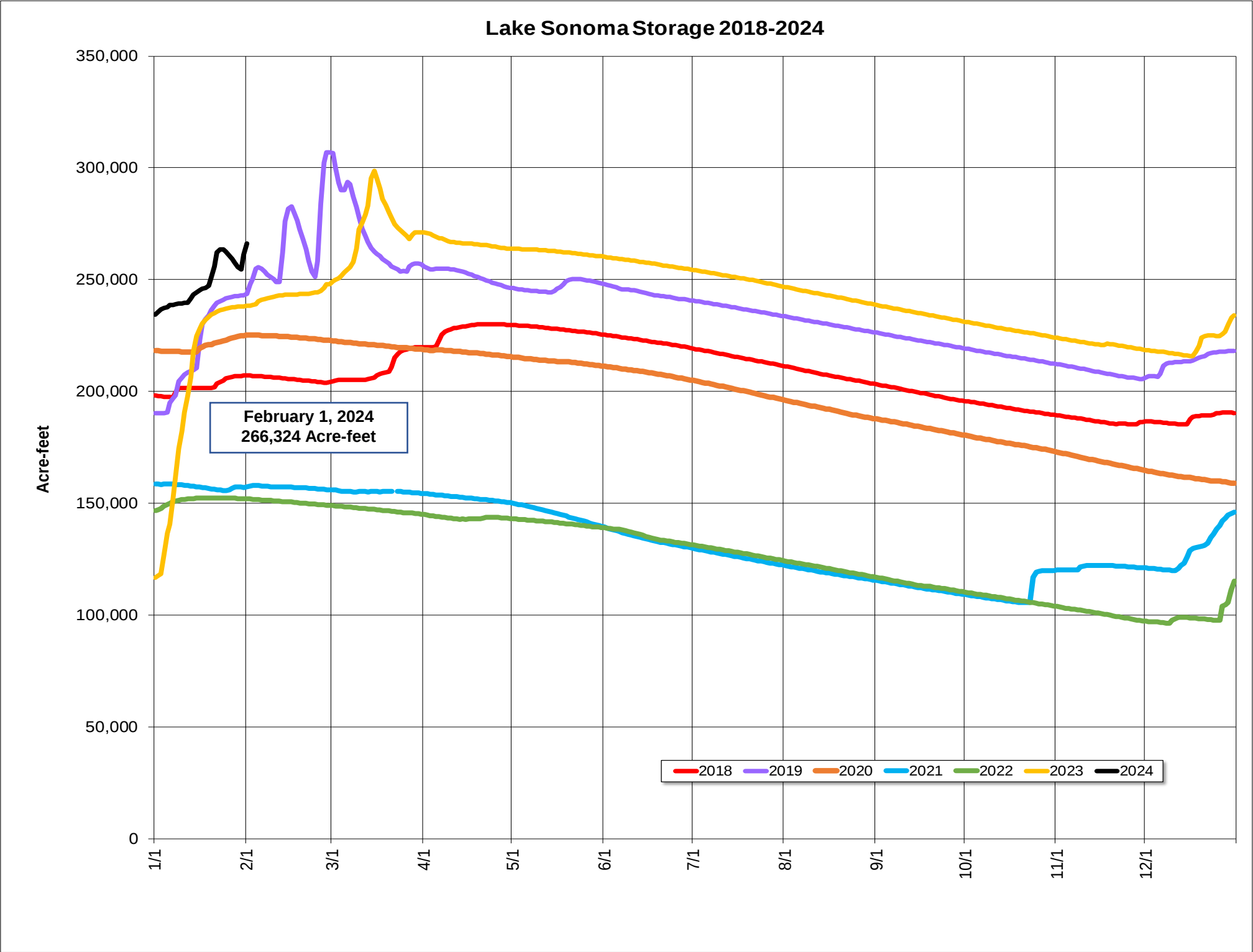
Lake Mendocino Storage 2018 - 2024 and Storage Curve



Storage (acre-feet)	February 1, 2024	79,829	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	17,544	585
	Last 7 days	1,497	214
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	1,547
		Mean	566
Release (cfs)	Last 7 days	Min	150
		Max	950
		Mean	439



Nathan Baskett, March 3 , 2011



Storage (acre-feet)	February 1, 2024	266,324	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	30,632	1,021
	Last 7 days	5,378	768
Daily Inflow (cfs)	Last 7 days	Min	281
		Max	3,441
		Mean	1,151
Release (cfs)	Last 7 days	Min	142
		Max	1,252
		Mean	865

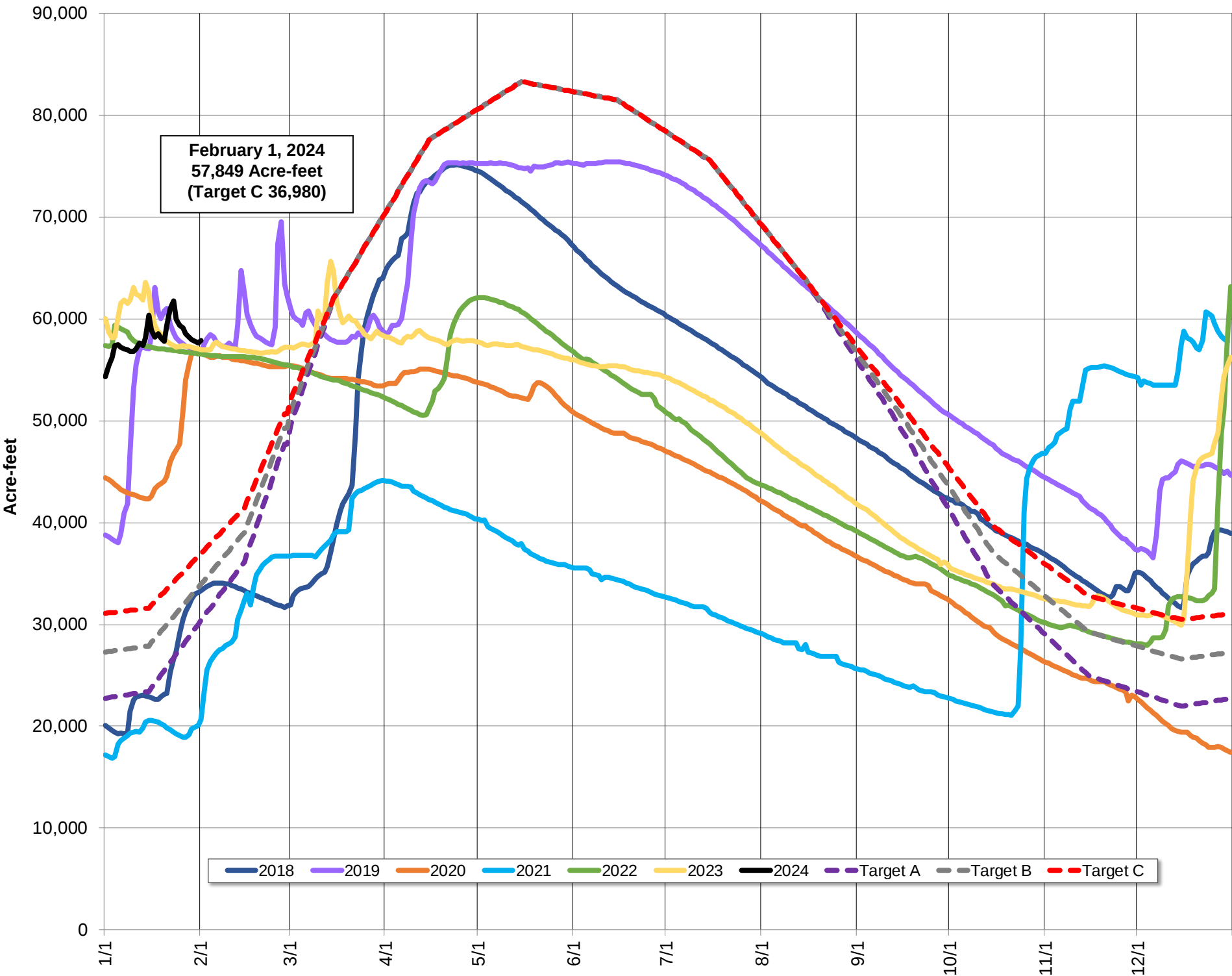
Potter Valley Project

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

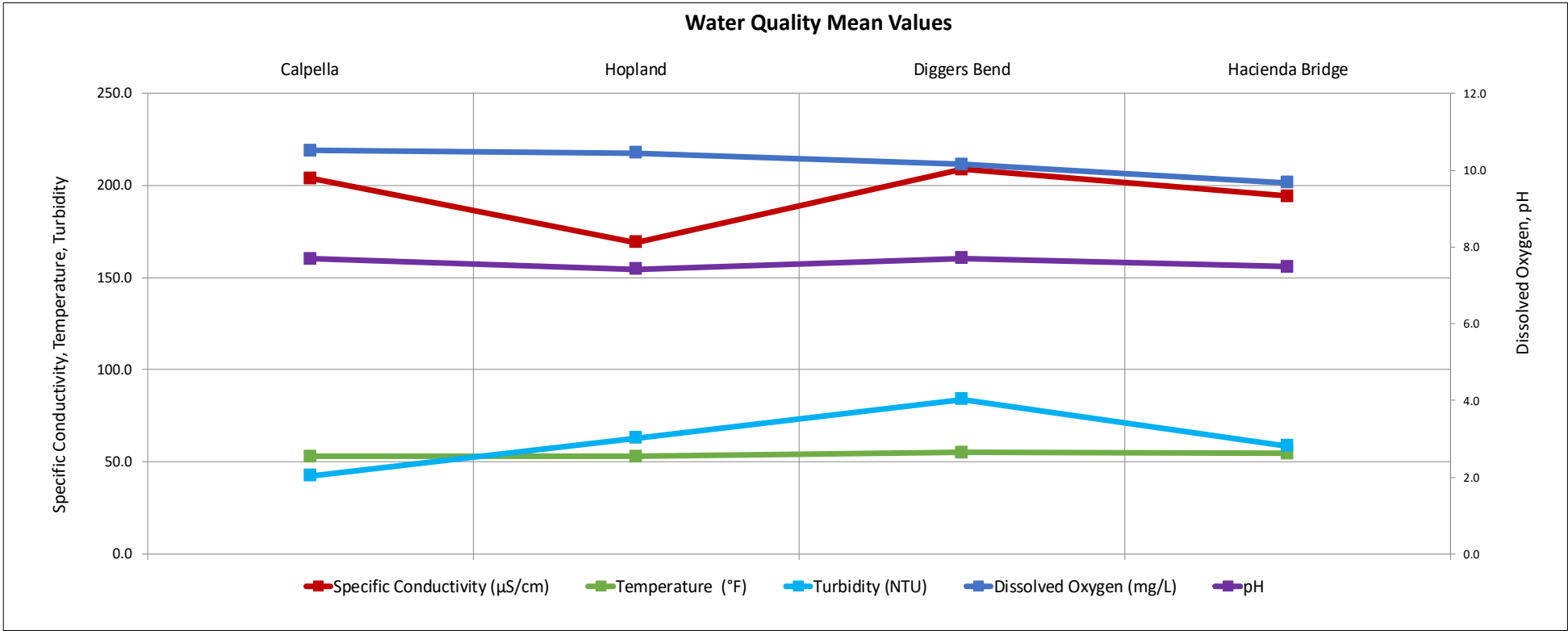


Russian River Flows (January 26, 2024 - February 1, 2024)

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	50.7	51.4		53.2	53.4		53.6	
	Max	55.4	54.5		56.8	56.8		55.6	
	Mean	53.0	52.9		54.5	54.9		54.5	
Specific Conductivity (µS/cm)	Min	97.0	80.0			118.0		126.0	
	Max	231.0	215.0			245.0		224.0	
	Mean	203.9	169.2			208.8		194.3	
Dissolved Oxygen (mg/L)	Min	9.1	9.6			9.8		9.5	
	Max	10.9	11.2			10.6		10.0	
	Mean	10.5	10.5			10.2		9.7	
Dissolved Oxygen (% Saturation)	Min	82.7	88.6			93.4		88.1	
	Max	98.8	102.0			99.0		93.6	
	Mean	96.8	96.1			95.8		90.7	
pH	Min	7.3	7.3			7.5		7.4	
	Max	7.8	7.7			7.8		7.6	
	Mean	7.7	7.4			7.7		7.5	
Turbidity (NTU)	Min	5.3	13.9			19.1		17.3	
	Max	1220.0	722.0			435.0		324.0	
	Mean	42.4	62.8			84.0		58.5	

*Station operated seasonally

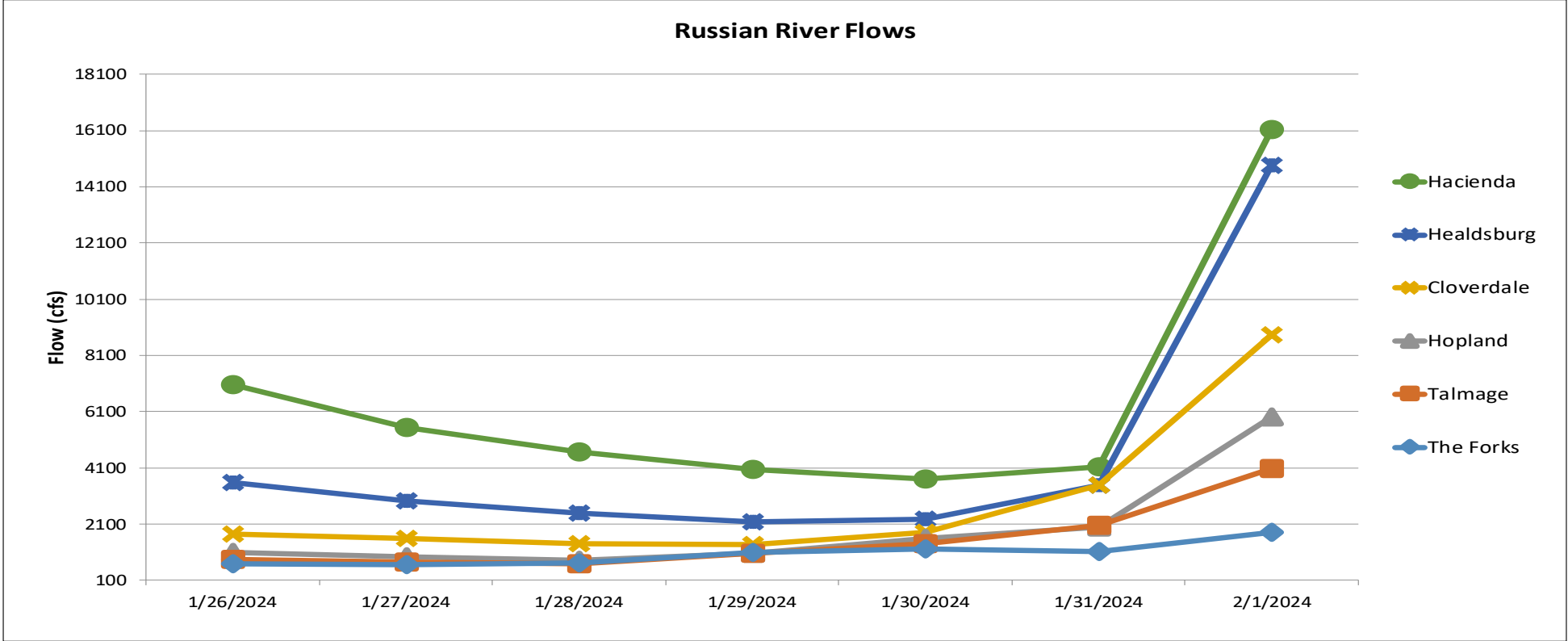
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Jan 26, 2024	Jan 27, 2024	Jan 28, 2024	Jan 29, 2024	Jan 30, 2024	Jan 31, 2024	Feb 1, 2024
The Forks*	699	669	702	1100	1217	1125	1814
Talmage USGS 11462080	838	738	698	1071	1392	2056	4080
Hopland USGS 11462500	1082	930	824	1044	1574	1977	5915
Cloverdale USGS 11463000	1747	1599	1391	1364	1818	3494	8816
Healdsburg USGS 11464000	3585	2913	2486	2184	2270	3473	14865
Hacienda USGS 11467000	7045	5542	4663	4051	3708	4150	16144

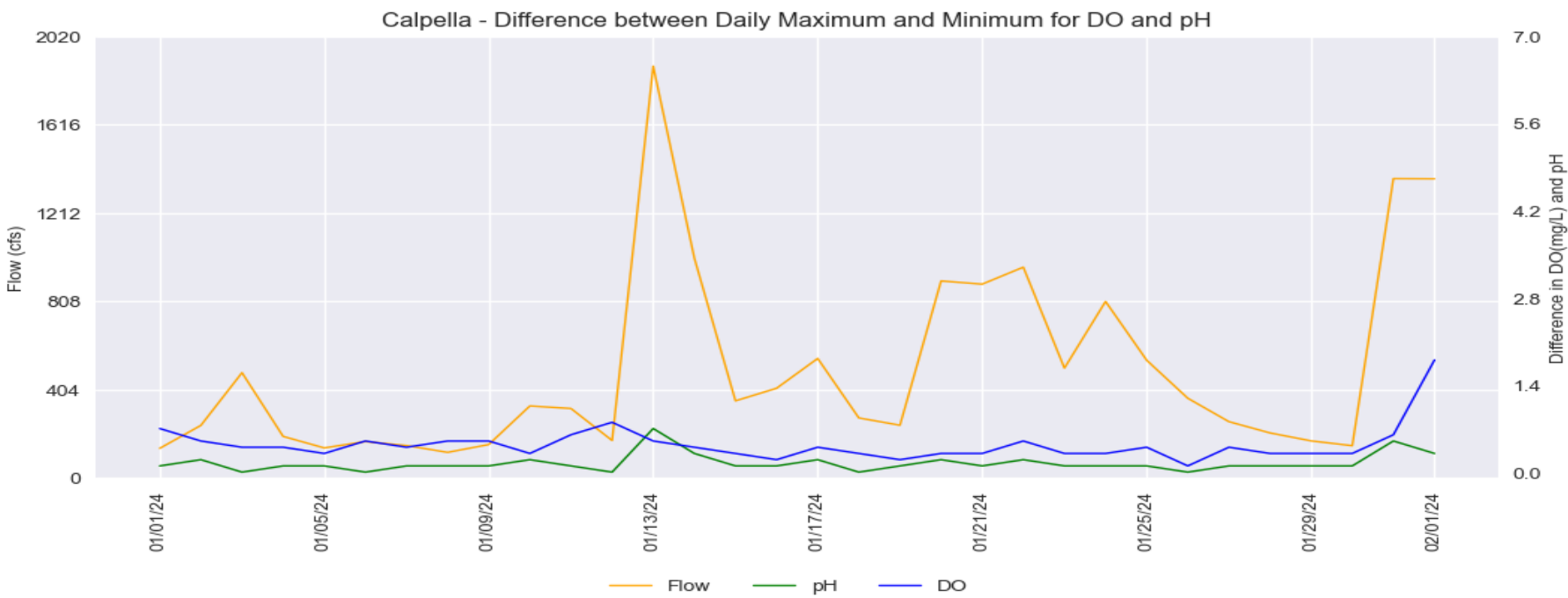
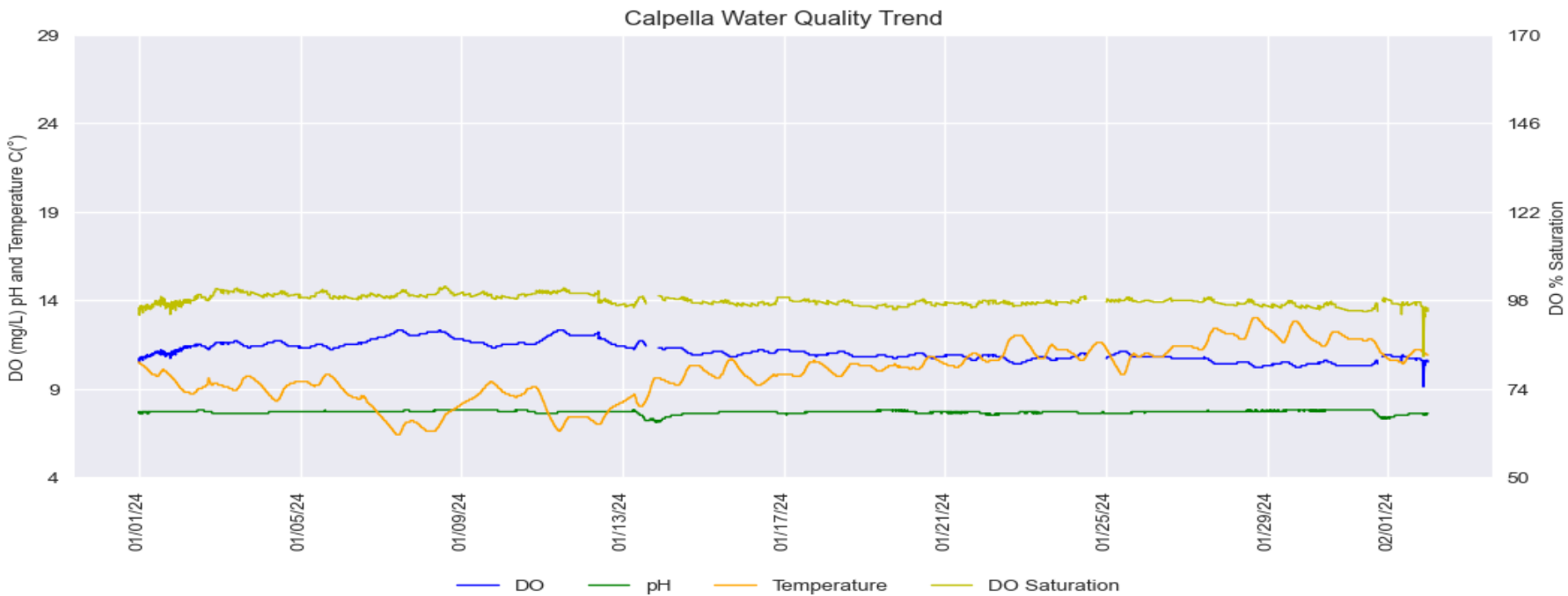
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

Russian River Flows

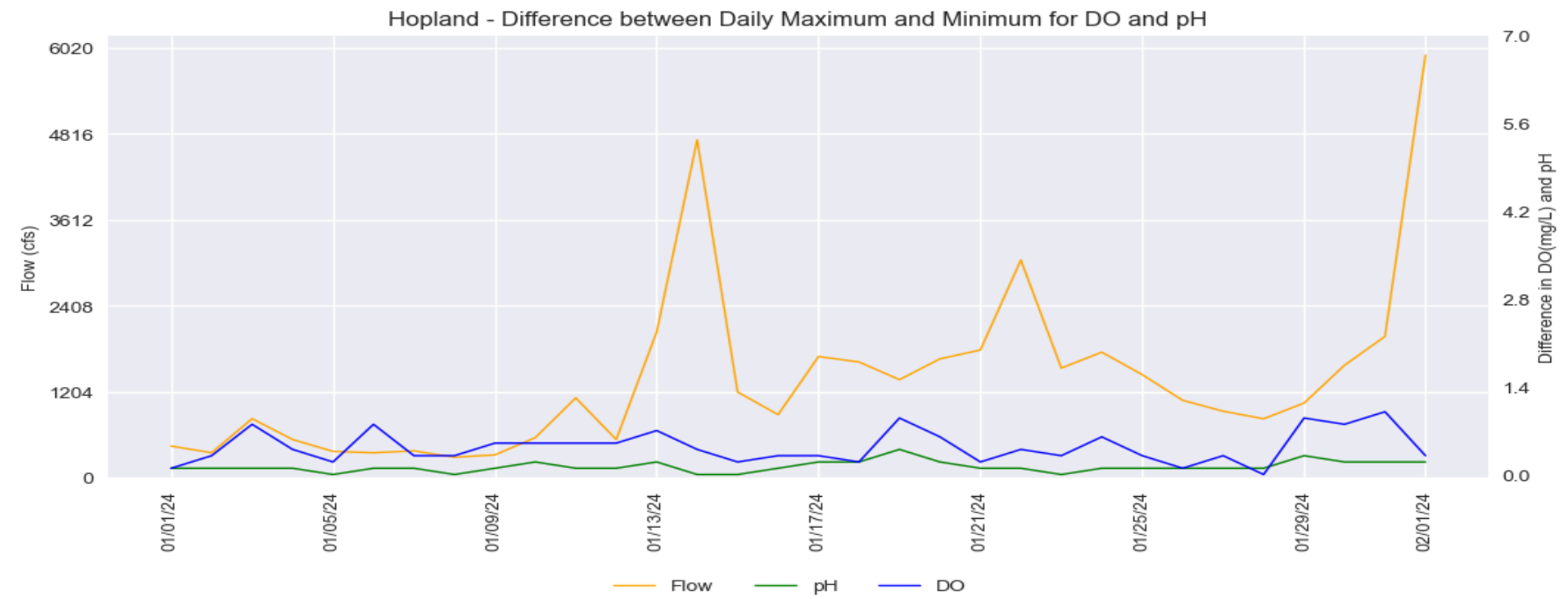
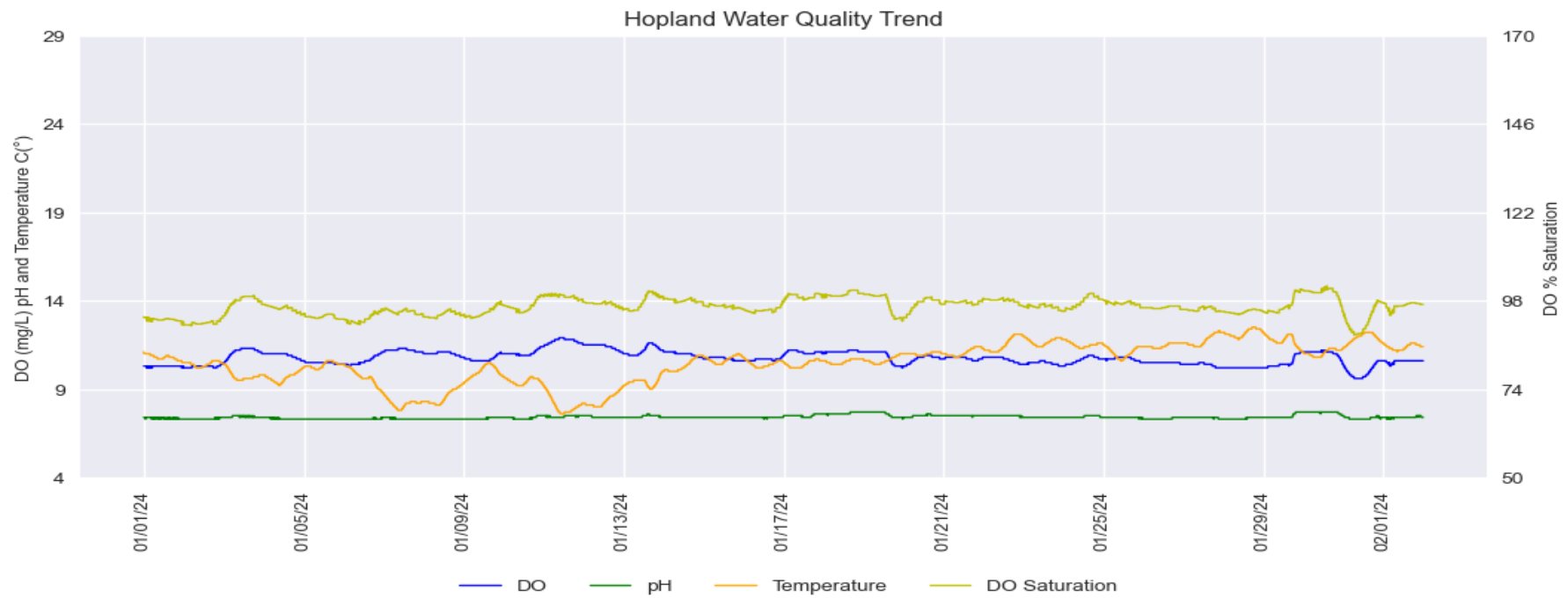


Russian River Water Quality January 1, 2024 – February 1, 2024
Provisional Data Subject to Revision

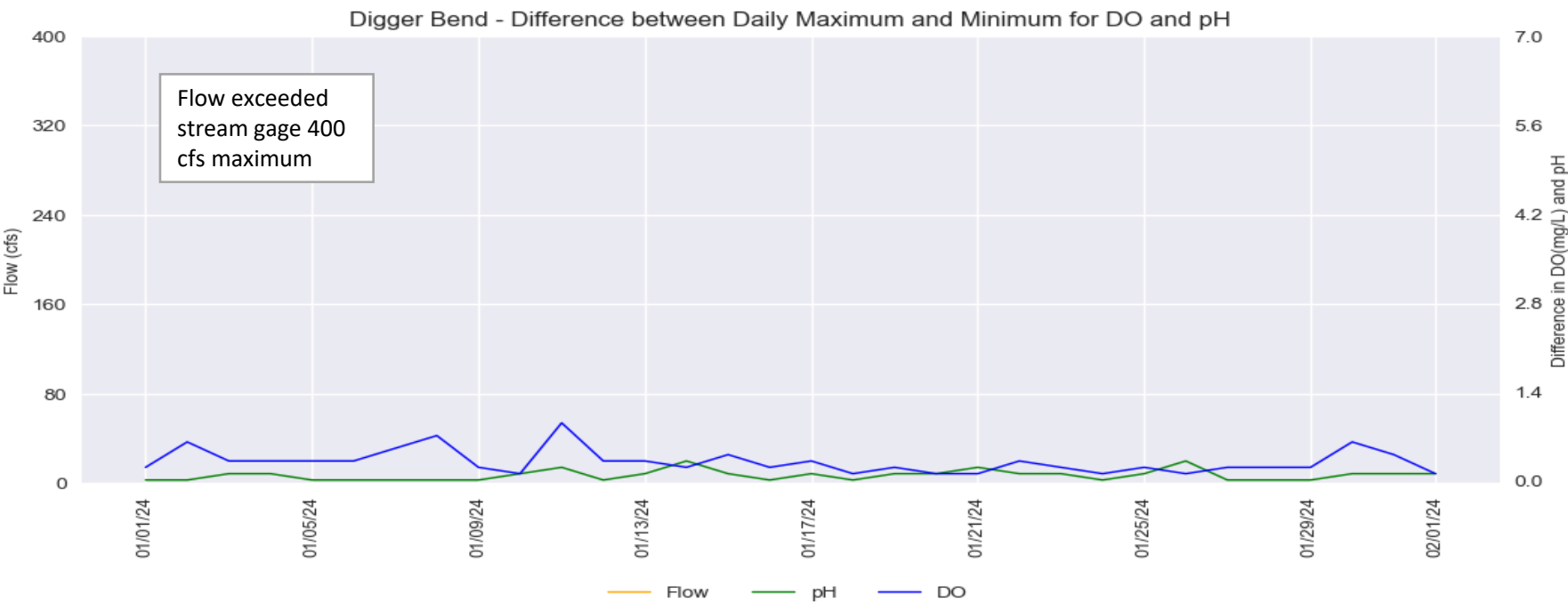
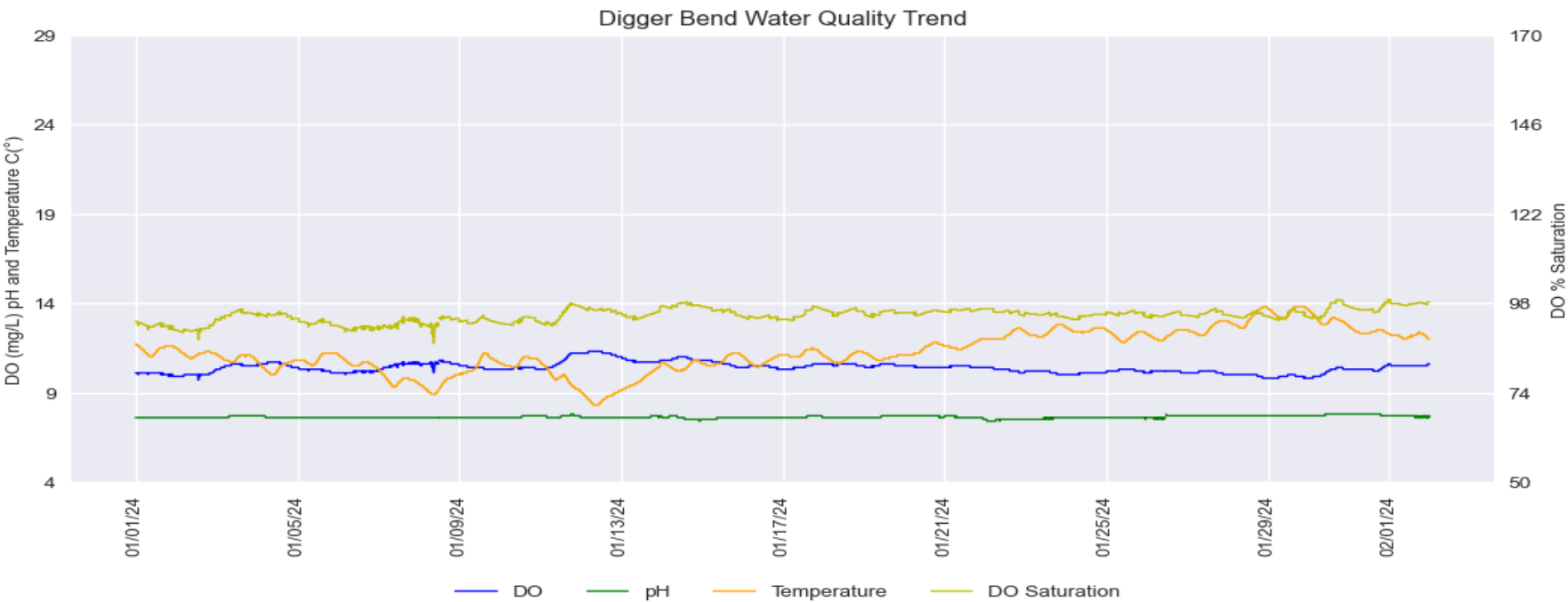
Calpella



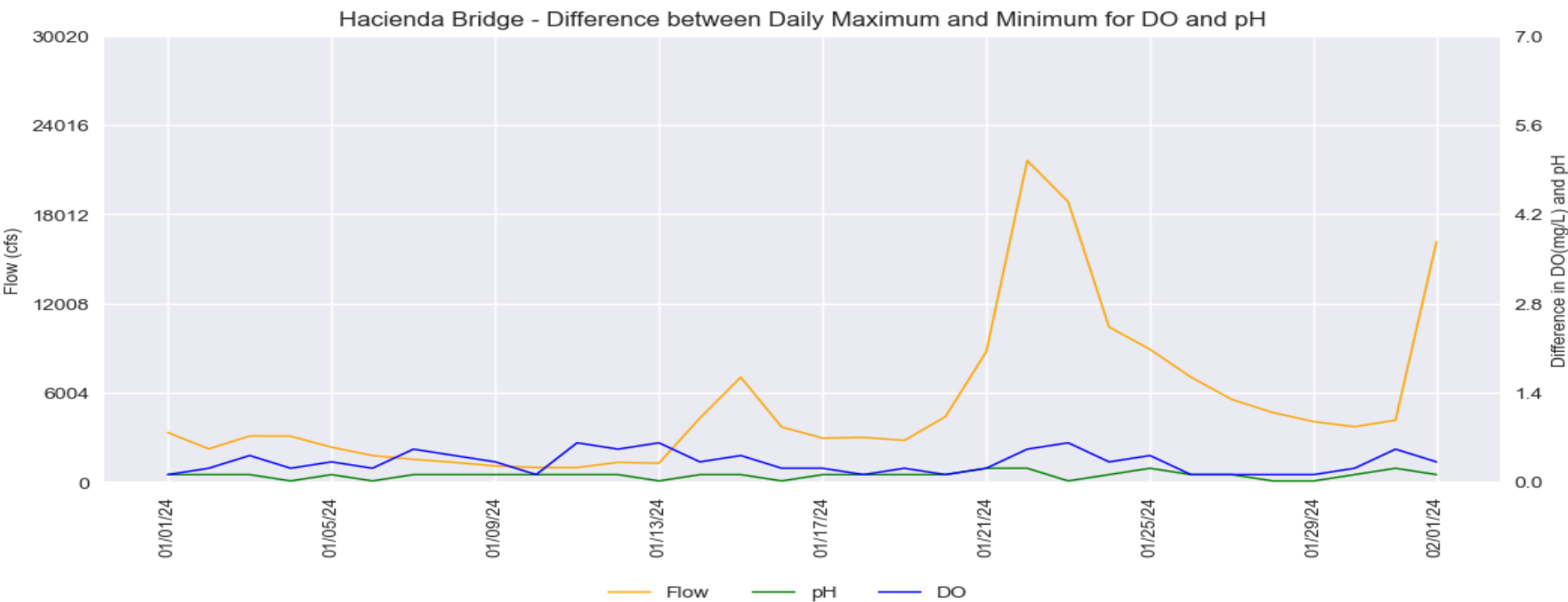
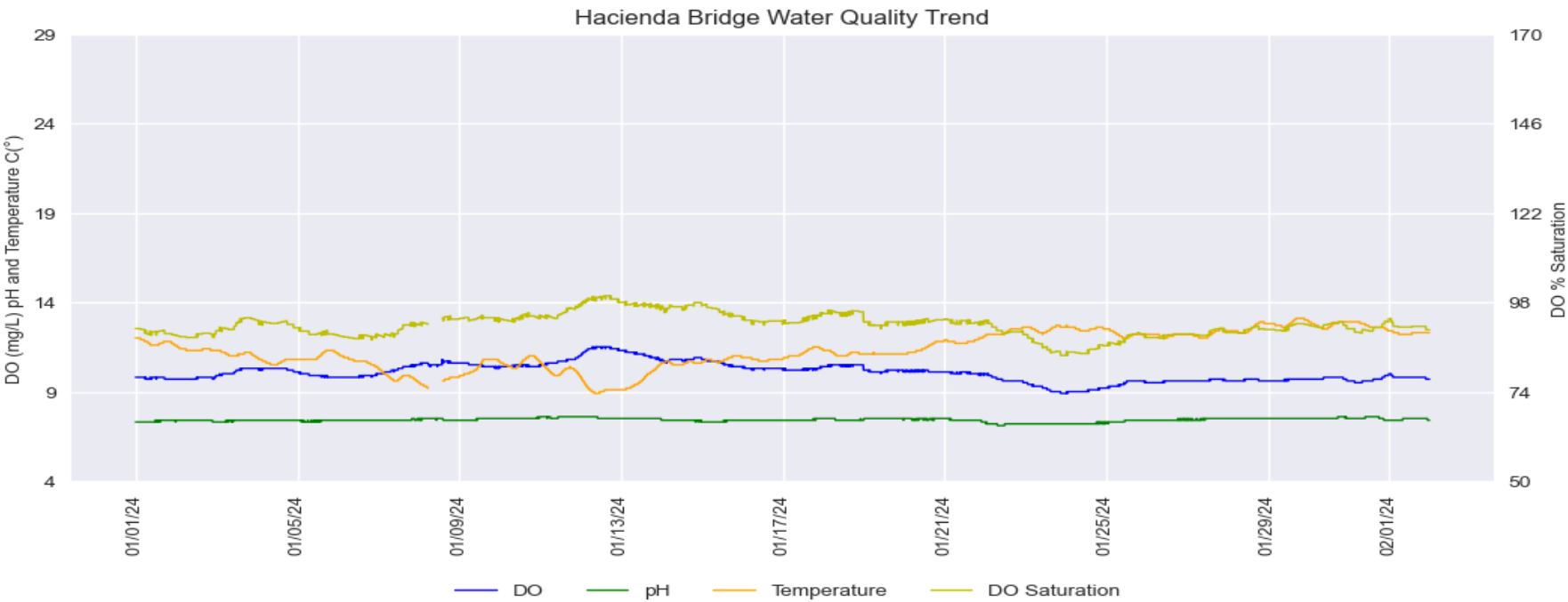
Hopland



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



Hacienda Bridge



Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2023 - Feb 1, 2024	21.05
Last 7 Days*	2.99

Cumulative Precipitation Comparison of Current Year versus Historic Record

