



State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 February 2, 2024 - February 8, 2024

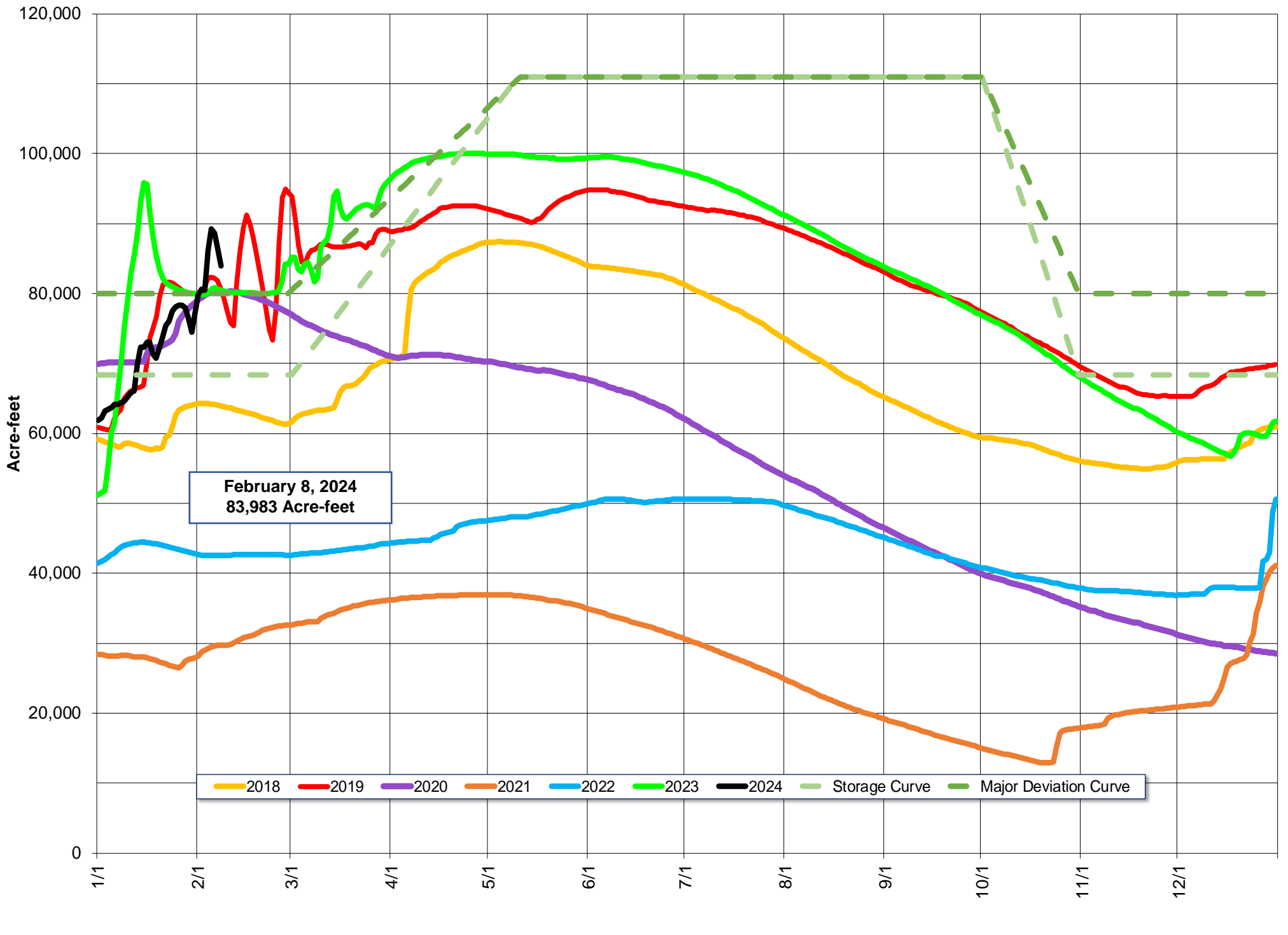
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of February 8, 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



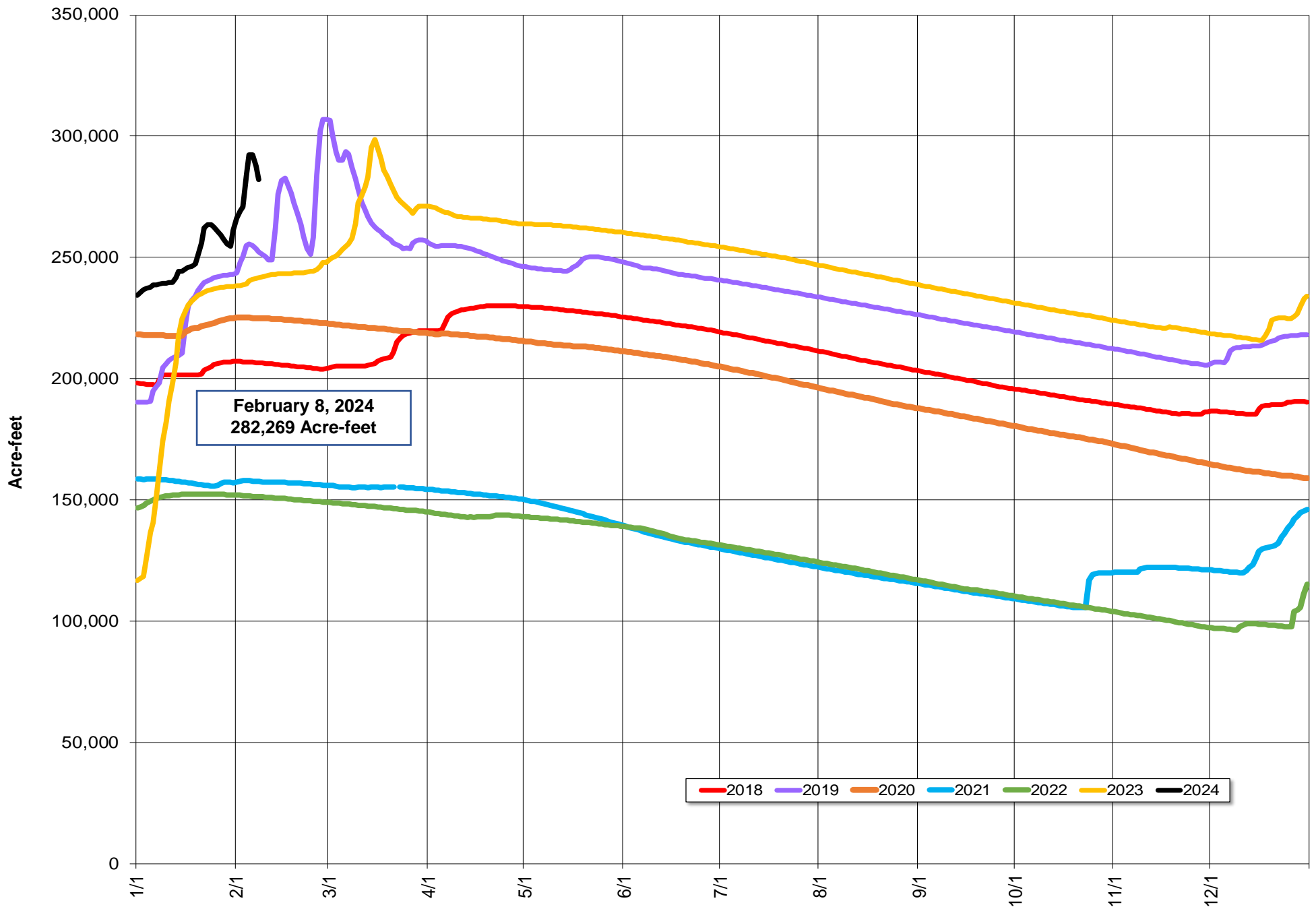
Storage (acre-feet)	February 8, 2024	83,983	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	19,323	644
Daily Inflow (cfs)	Last 7 days	Min	315
		Max	2,950
		Mean	820
Release (cfs)	Last 7 days	Min	139
		Max	1,533
		Mean	811

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	February 8, 2024	282,269	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		43,064	1,435
Daily Inflow (cfs)	Last 7 days	Min	354
		Max	6,689
		Mean	3,044
Release (cfs)	Last 7 days	Min	149
		Max	3,968
		Mean	2,304

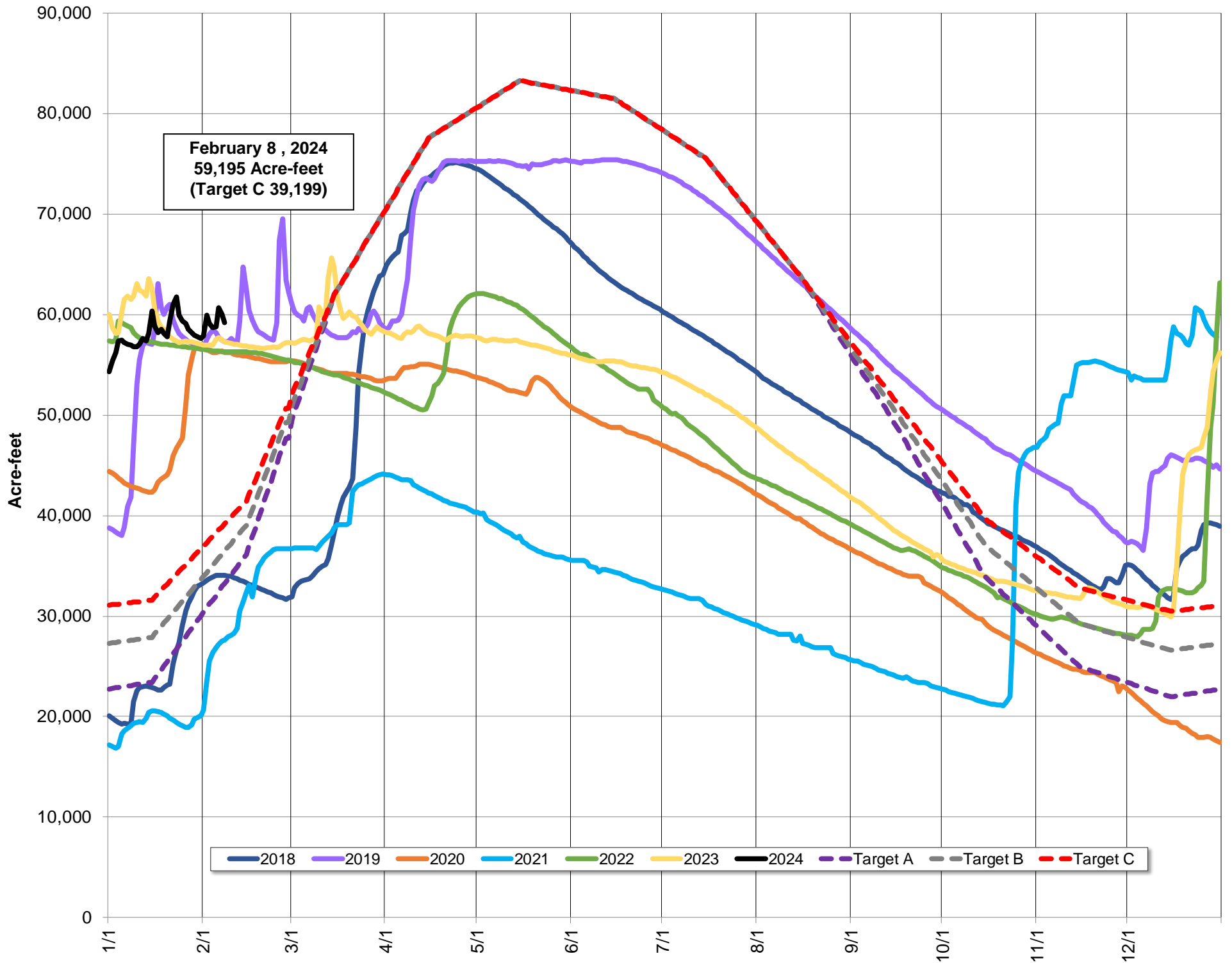
Potter Valley Project

PVP Diversion (cfs)	February 8, 2024	46
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - February 8, 2024	182,444	1,393
	Last 7 days	33,136	4,734

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios

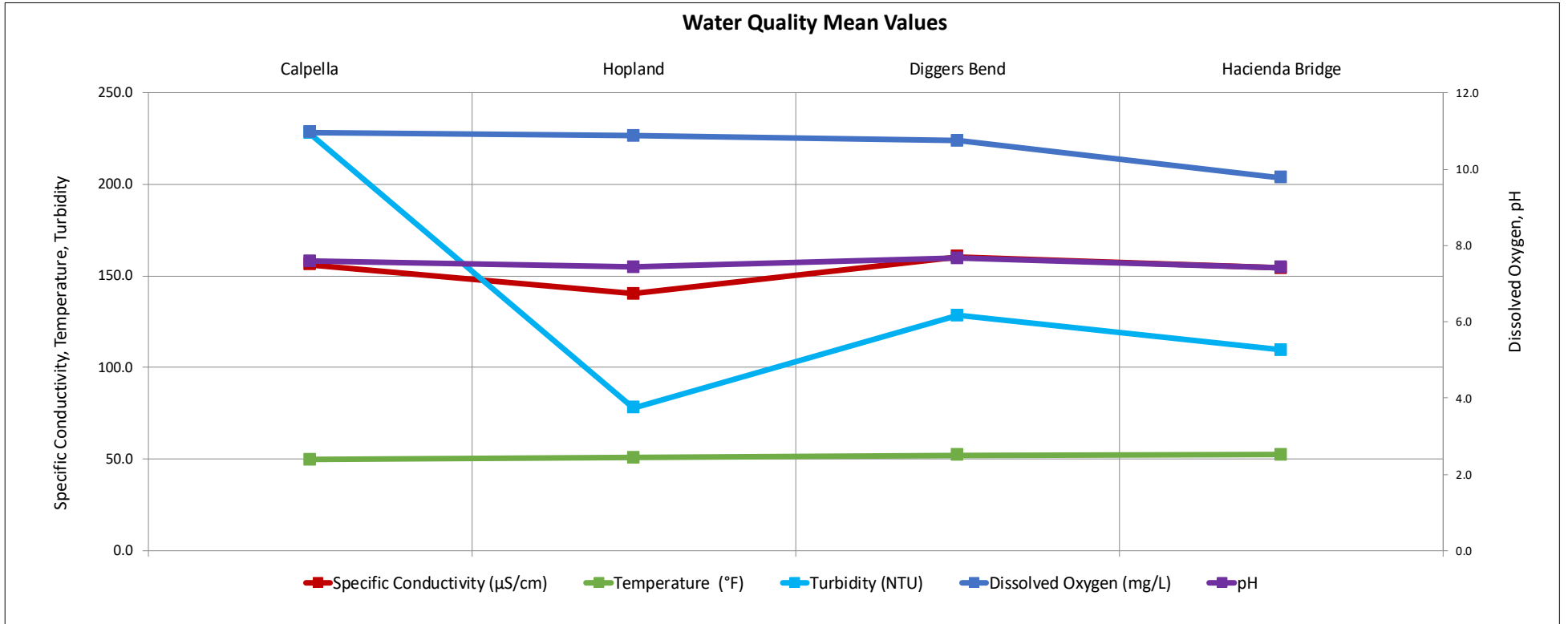


Russian River Flows (February 2, 2024 - February 8, 2024)

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	45.7	48.4		49.6	50.0		50.7	
	Max	52.0	52.3		53.6	53.8		54.1	
	Mean	49.6	50.7		51.7	52.0		52.4	
Specific Conductivity (µS/cm)	Min	82.0	80.0			108.0		112.0	
	Max	198.0	174.0			199.0		184.0	
	Mean	156.2	140.3			160.5		154.3	
Dissolved Oxygen (mg/L)	Min	10.0	10.2			10.5		9.3	
	Max	11.6	11.3			11.0		10.3	
	Mean	11.0	10.9			10.7		9.8	
Dissolved Oxygen (% Saturation)	Min	89.2	90.8			95.6		85.3	
	Max	98.4	100.1			99.3		93.2	
	Mean	96.2	97.3			97.6		89.3	
pH	Min	7.4	7.2			7.6		7.4	
	Max	7.7	7.6			7.8		7.5	
	Mean	7.6	7.4			7.7		7.4	
Turbidity (NTU)	Min	36.5	29.5			43.4		42.1	
	Max	2340.0	574.0			499.0		365.0	
	Mean	227.9	78.0			128.5		109.4	

*Station operated seasonally

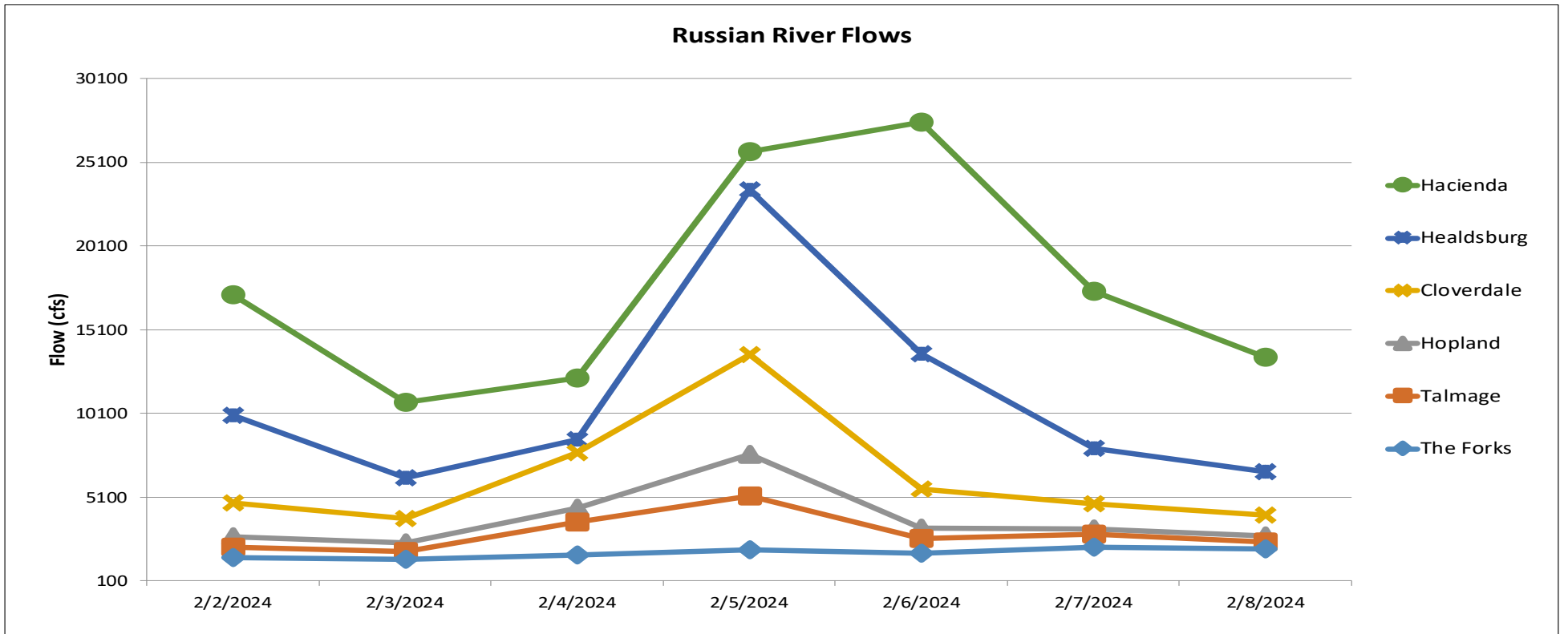
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Feb 2, 2024	Feb 3, 2024	Feb 4, 2024	Feb 5, 2024	Feb 6, 2024	Feb 7, 2024	Feb 8, 2024
The Forks*	1494	1407	1629	1941	1738	2116	2029
Talmage USGS 11462080	2104	1869	3600	5164	2636	2877	2397
Hopland USGS 11462500	2751	2389	4428	7678	3242	3211	2778
Cloverdale USGS 11463000	4750	3822	7733	13628	5600	4685	4010
Healdsburg USGS 11464000	9961	6244	8553	23478	13654	7994	6613
Hacienda USGS 11467000	17182	10787	12195	25717	27498	17408	13474

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

Russian River Flows

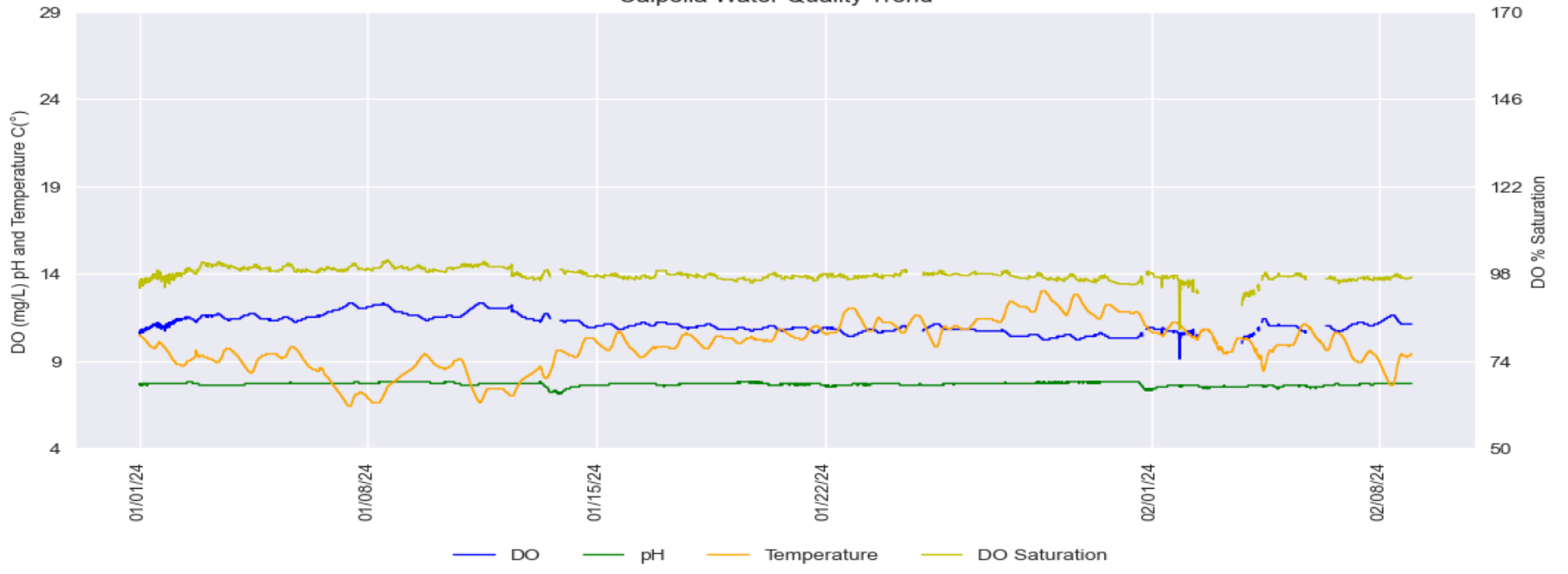


Russian River Water Quality January 1, 2024 – February 8, 2024

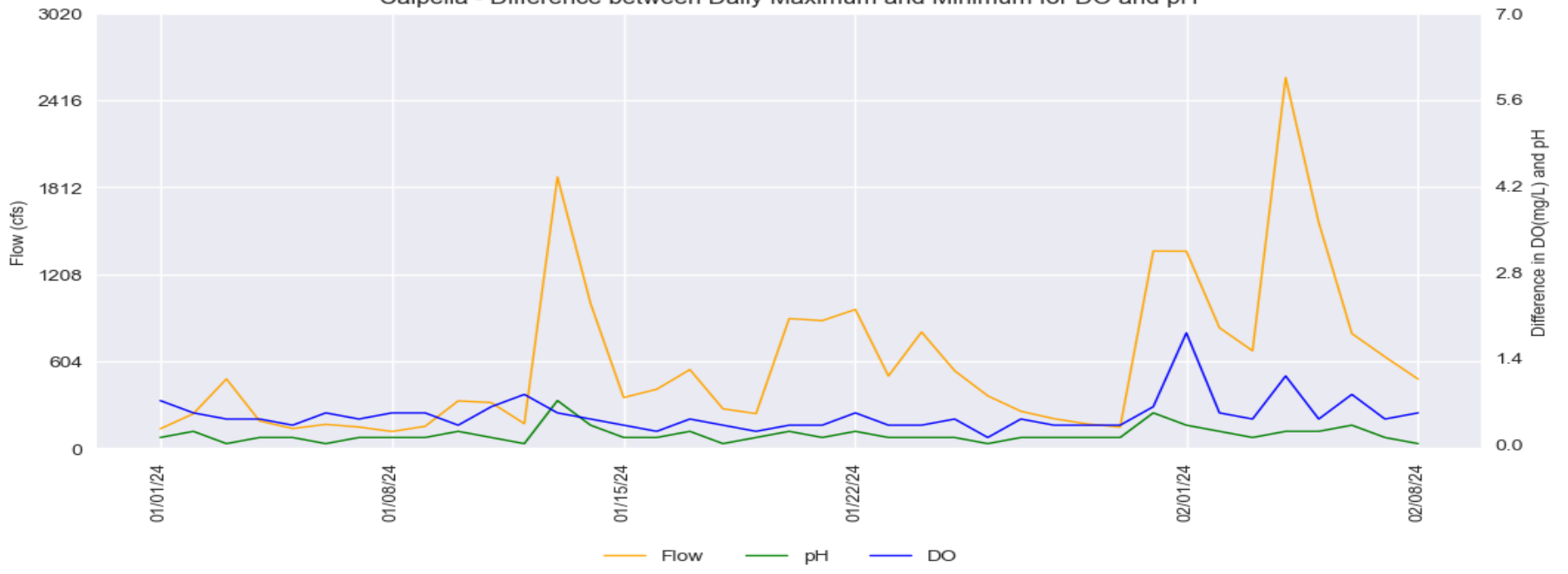
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

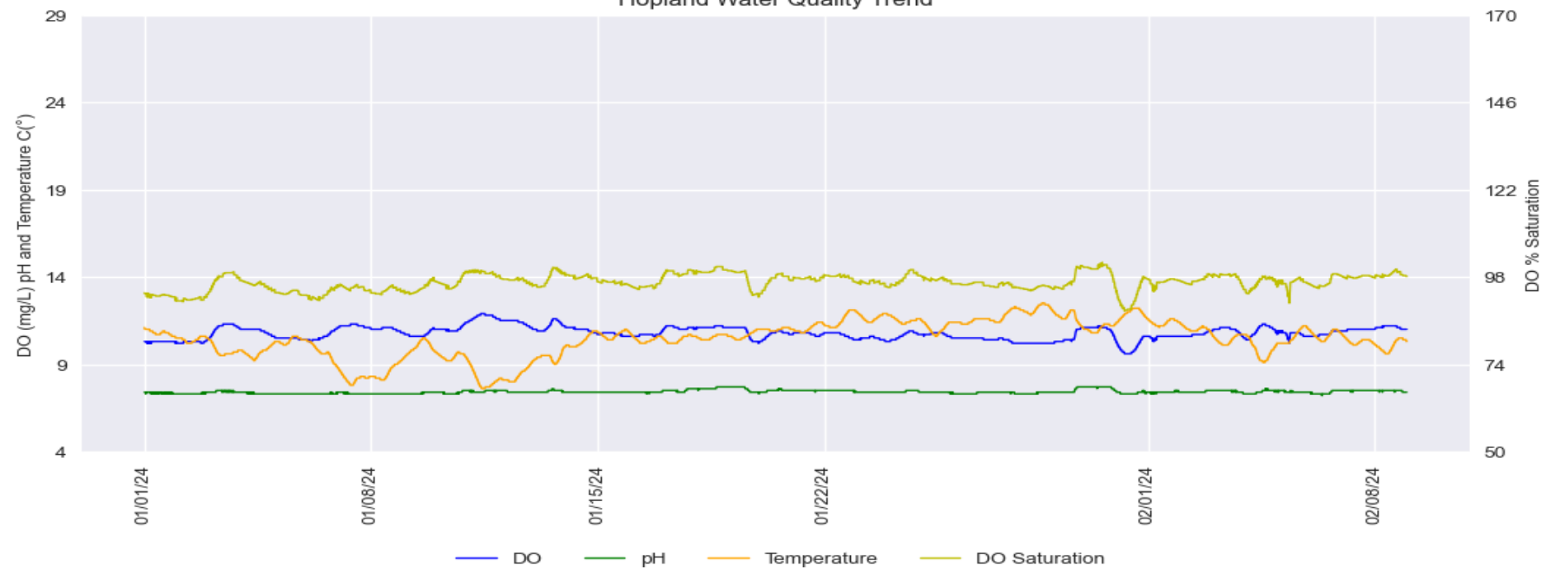


Calpella - Difference between Daily Maximum and Minimum for DO and pH

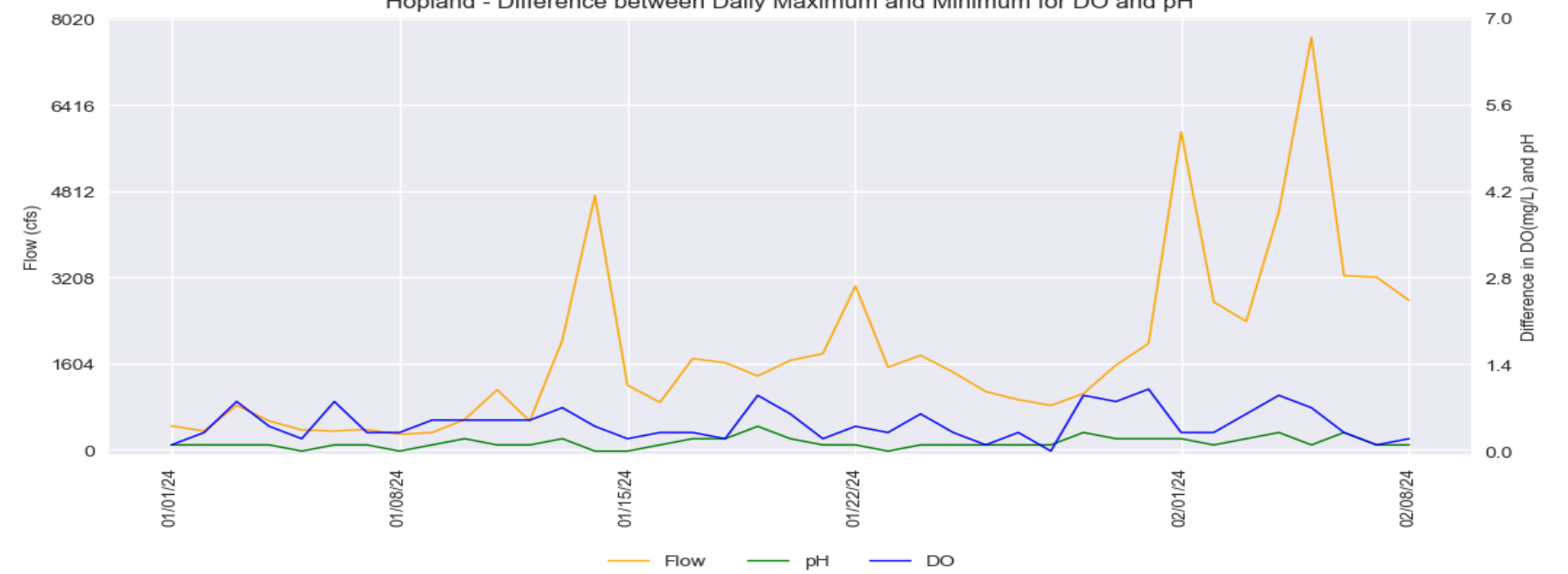


Hopland

Hopland Water Quality Trend



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

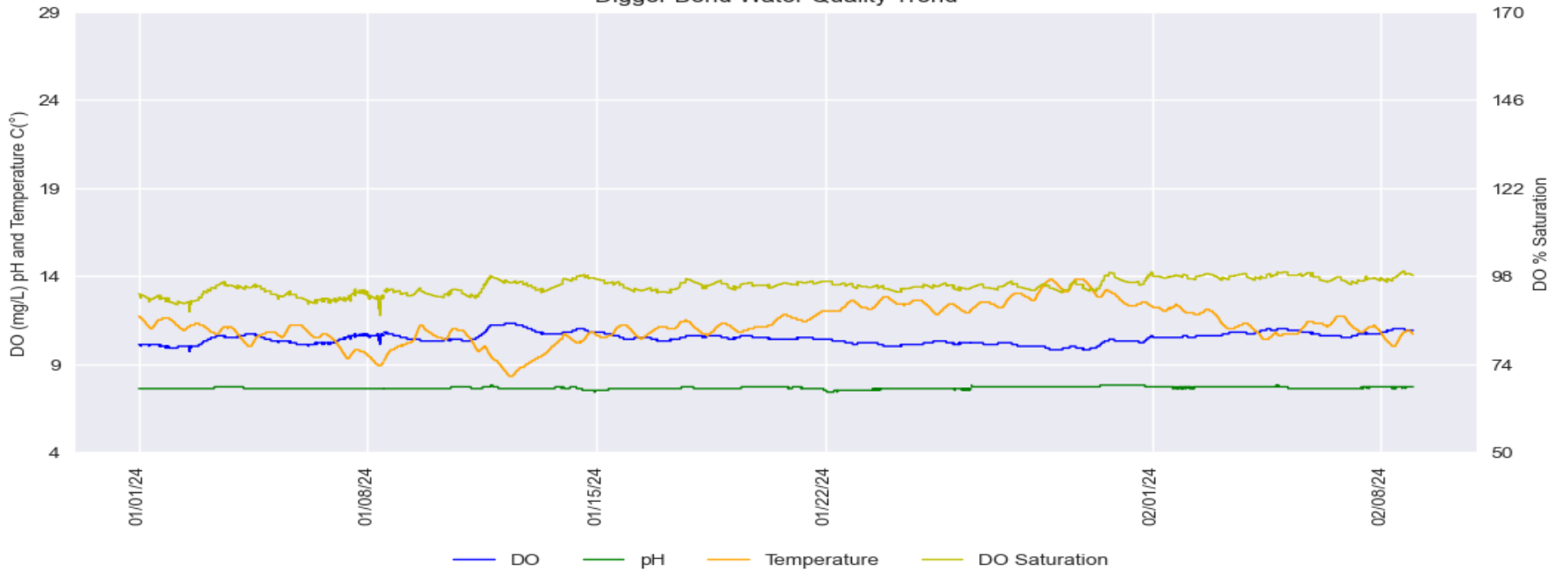


Russian River Water Quality January 1, 2024 – February 8, 2024

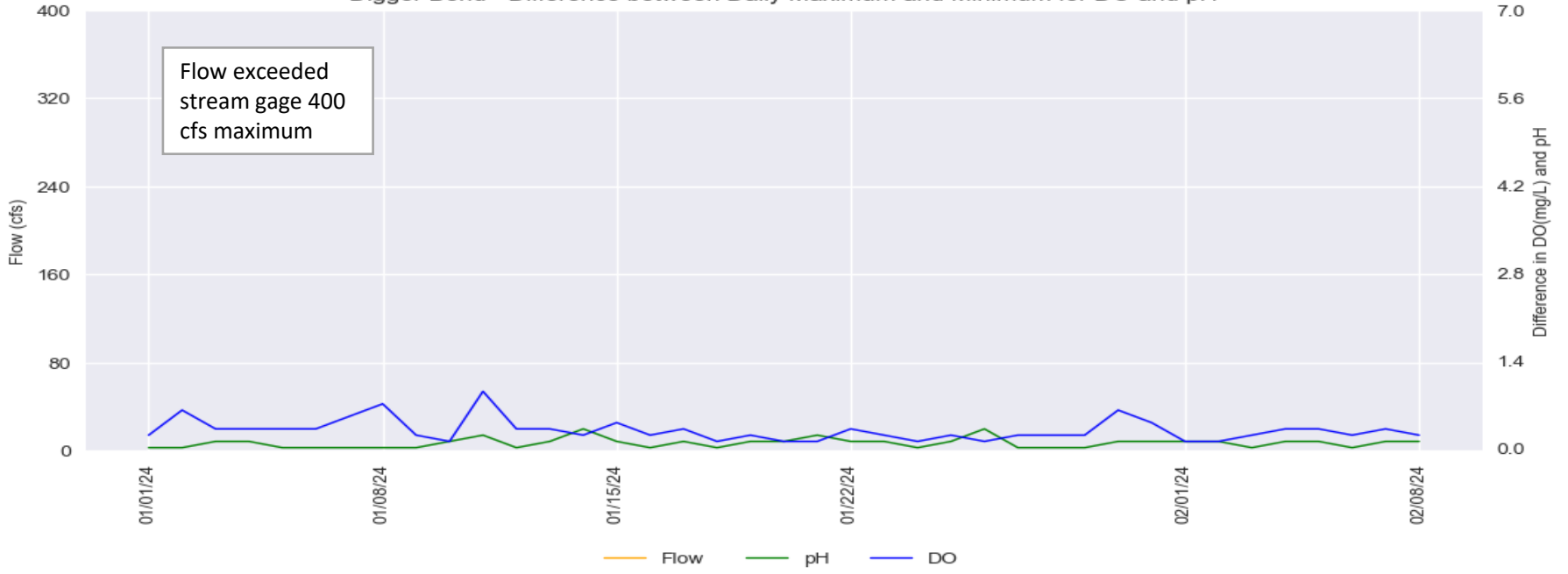
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

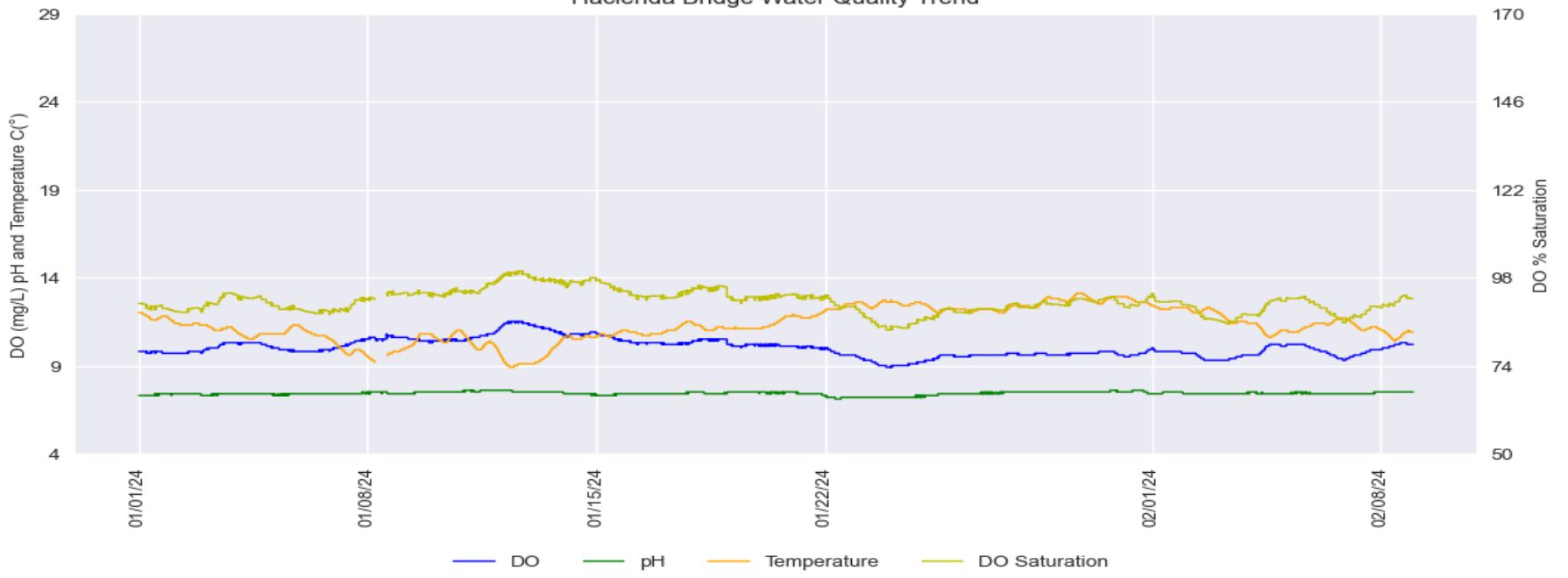


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

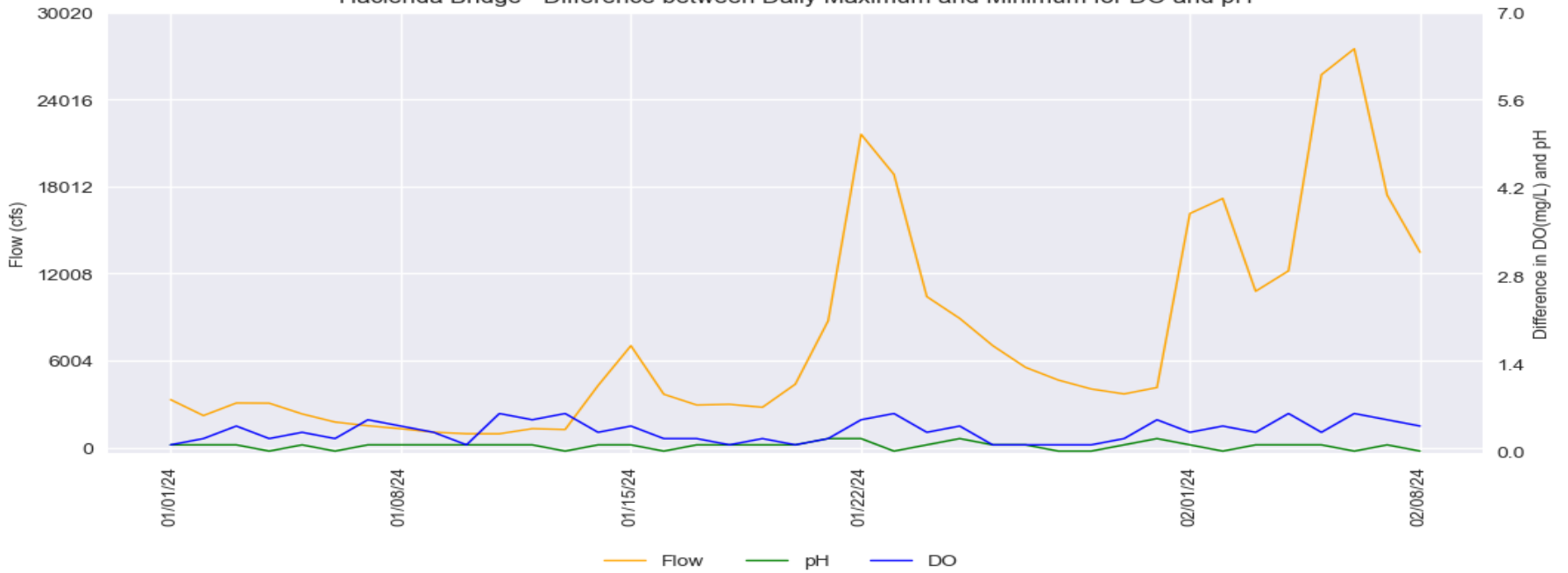


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

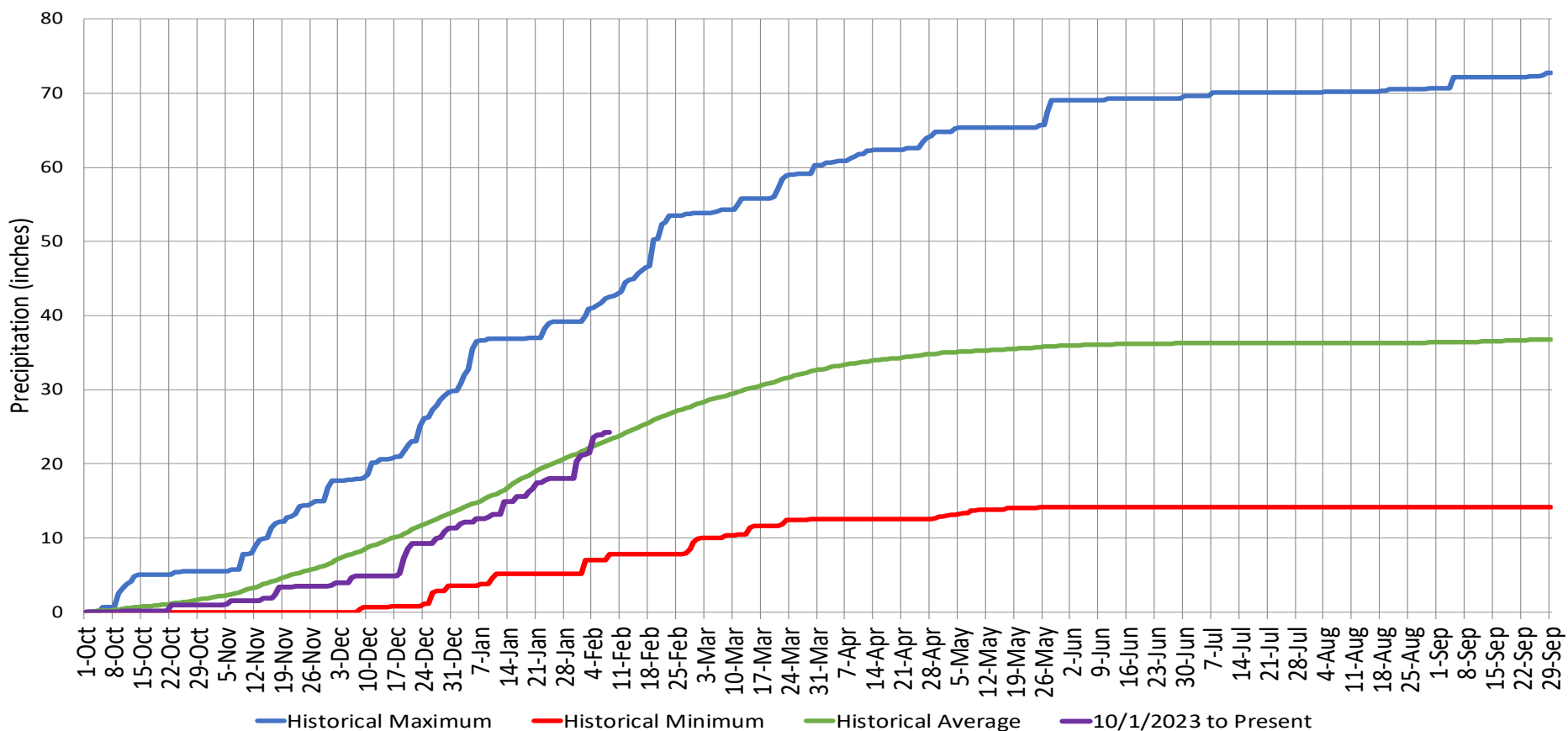


Precipitation

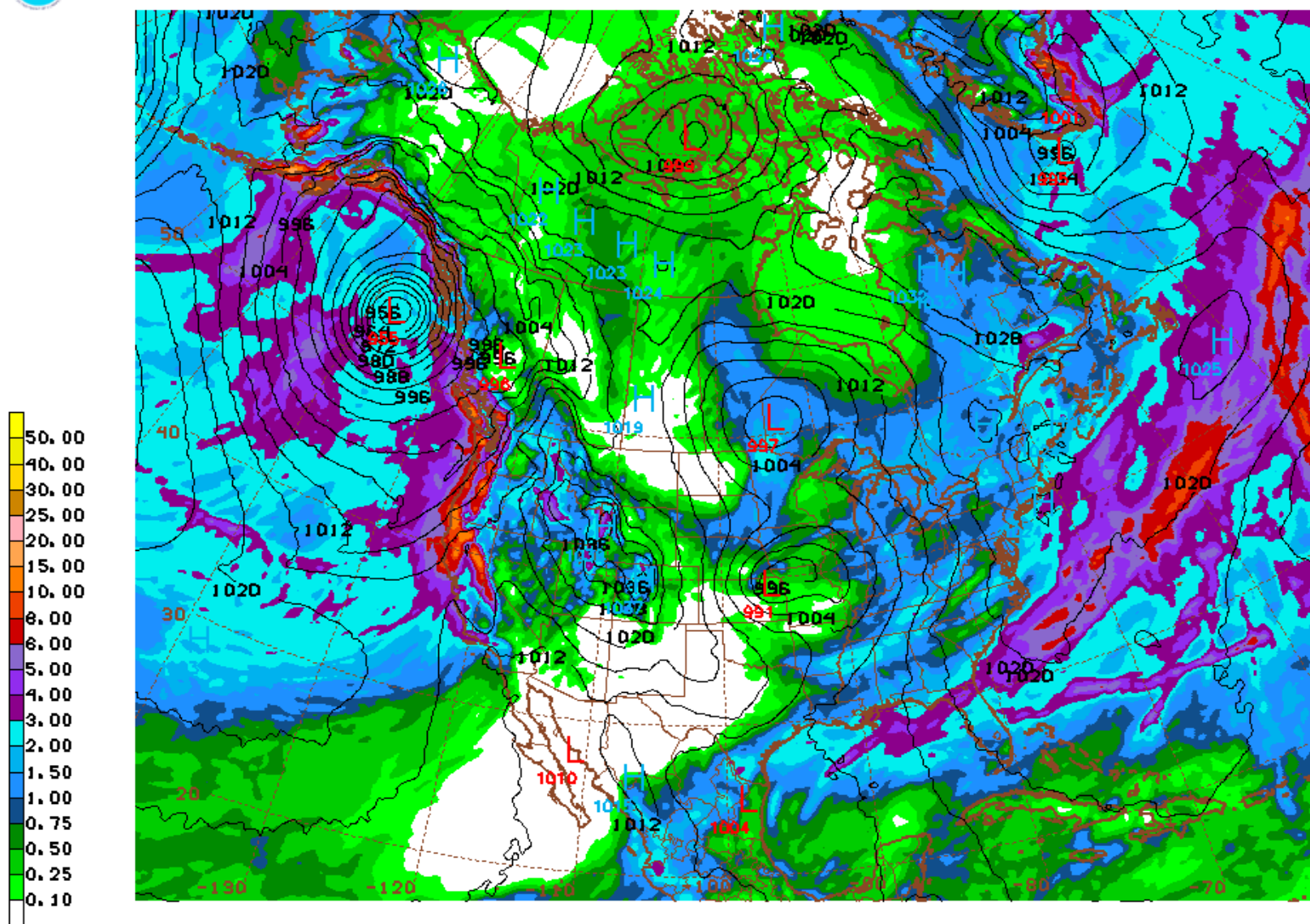
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - Feb 8, 2024	24.22
Last 7 Days*	3.11

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 02/13/24 12UTC 384HR FCST VALID THU 02/29/24 12UTC NOAA/NWS/NCEP



6FS THU 240229/1200V384 ENSL (4MB), 384HR ACCUMULATED PRECIP (IN)
 Date Range: Feb 13 - Feb 29, 2024
 Forecasted Cumulative (inches): **8.10**