



State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 February 9, 2024 - February 15, 2024

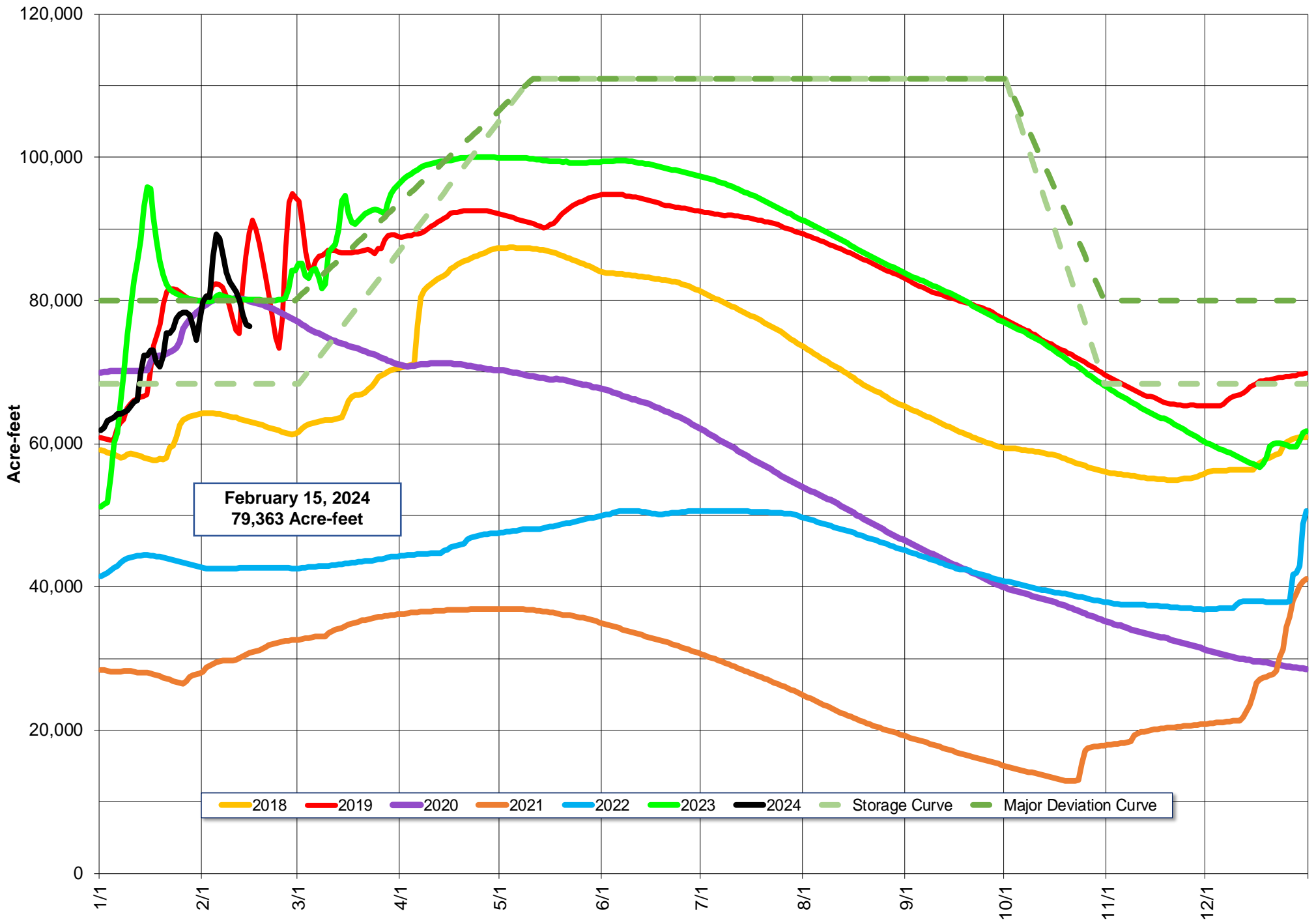
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of February 15, 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



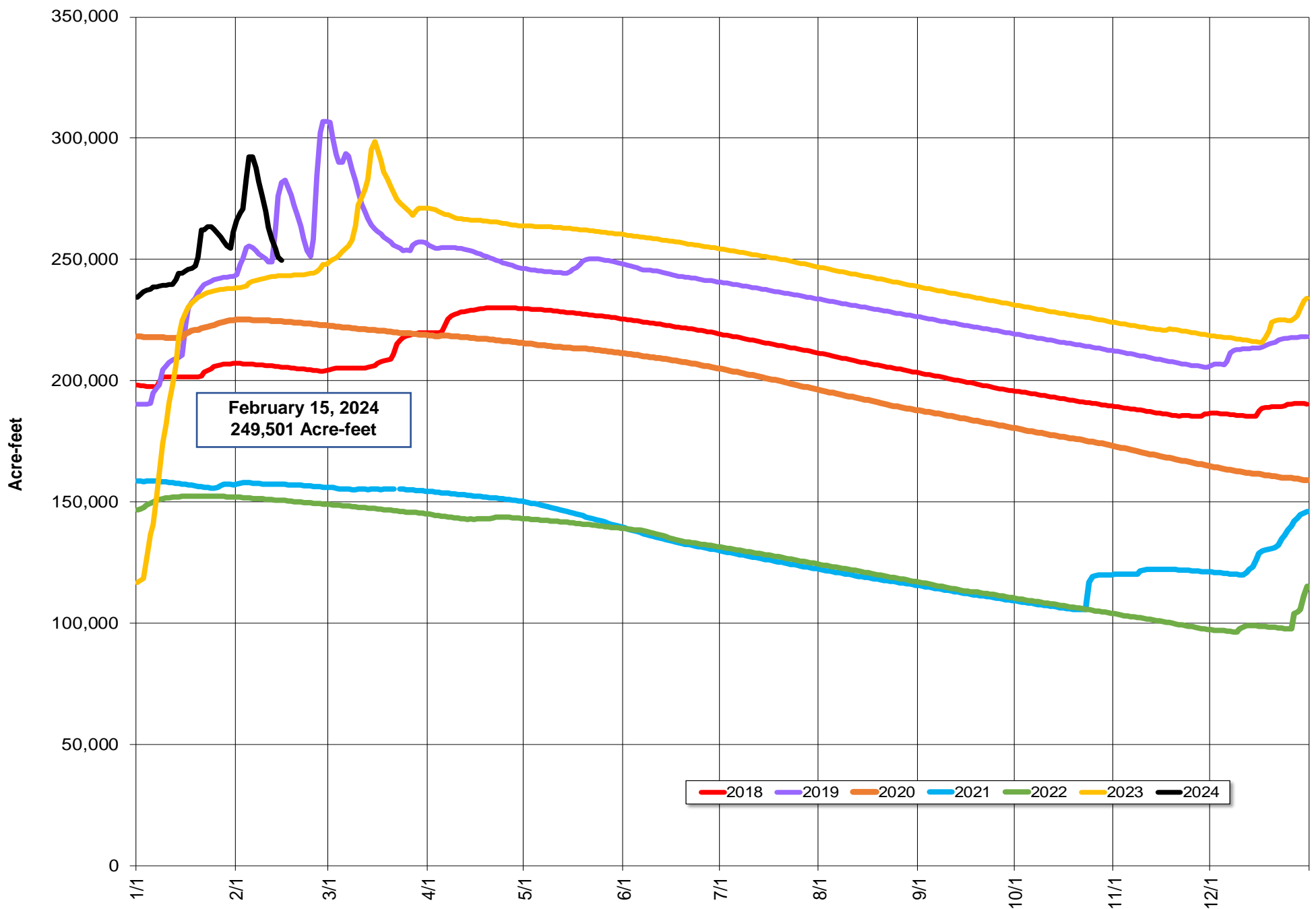
Storage (acre-feet)	February 15, 2024	76,363	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	3,335	111
Daily Inflow (cfs)	Last 7 days	Min	209
		Max	2,197
		Mean	732
Release (cfs)	Last 7 days	Min	150
		Max	1,220
		Mean	720

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	February 15, 2024	249,501	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		4,327	144
	Last 7 days	-26,743	-3,820
Daily Inflow (cfs)	Last 7 days	Min	141
		Max	4,559
		Mean	1,729
Release (cfs)	Last 7 days	Min	156
		Max	3,968
		Mean	1,889

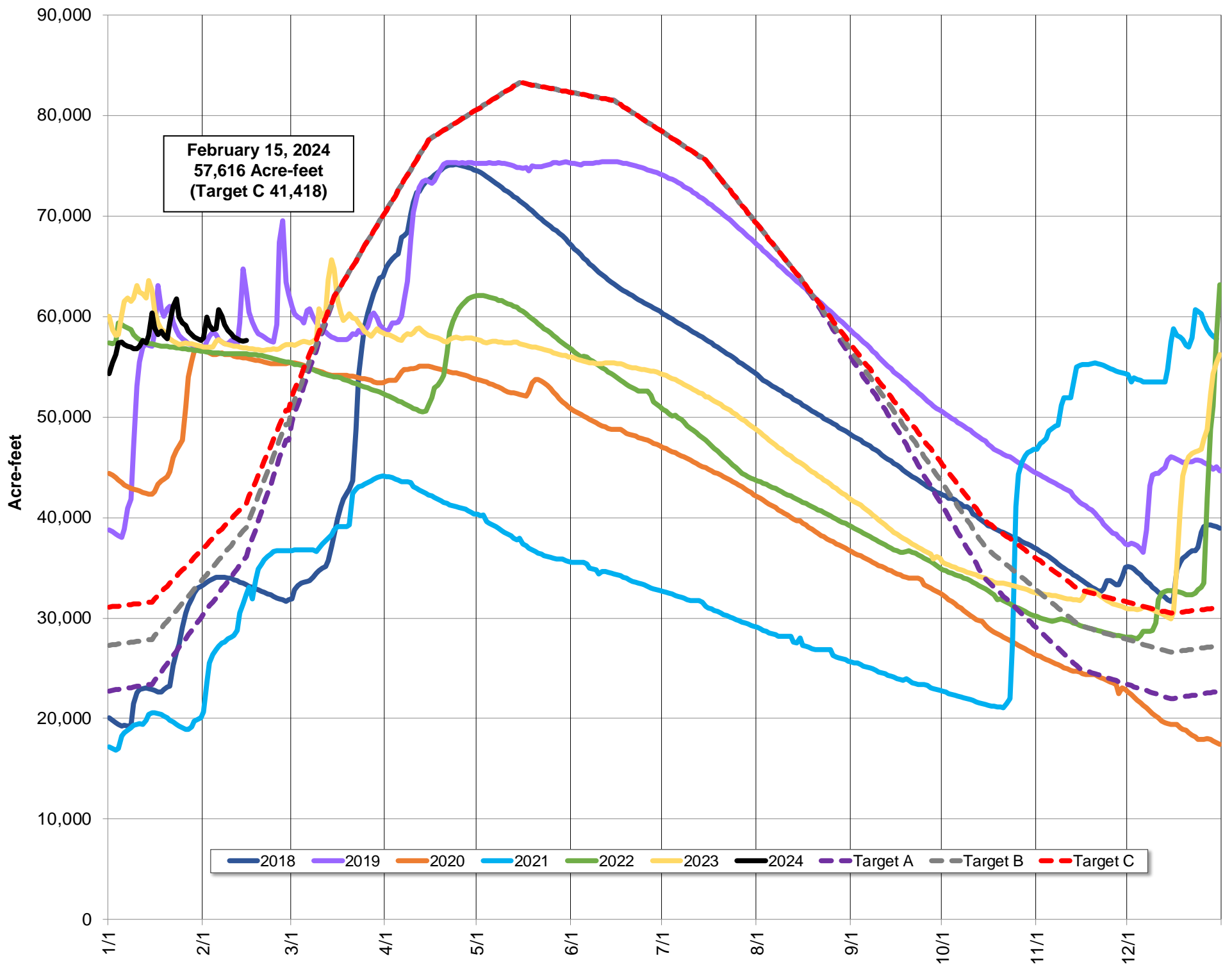
Potter Valley Project

PVP Diversion (cfs)	February 15, 2024	46
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - February 15, 2024	196,127	1,421
	Last 7 days	10,704	1,529

*Inflow calculation based on criteria established in D1610

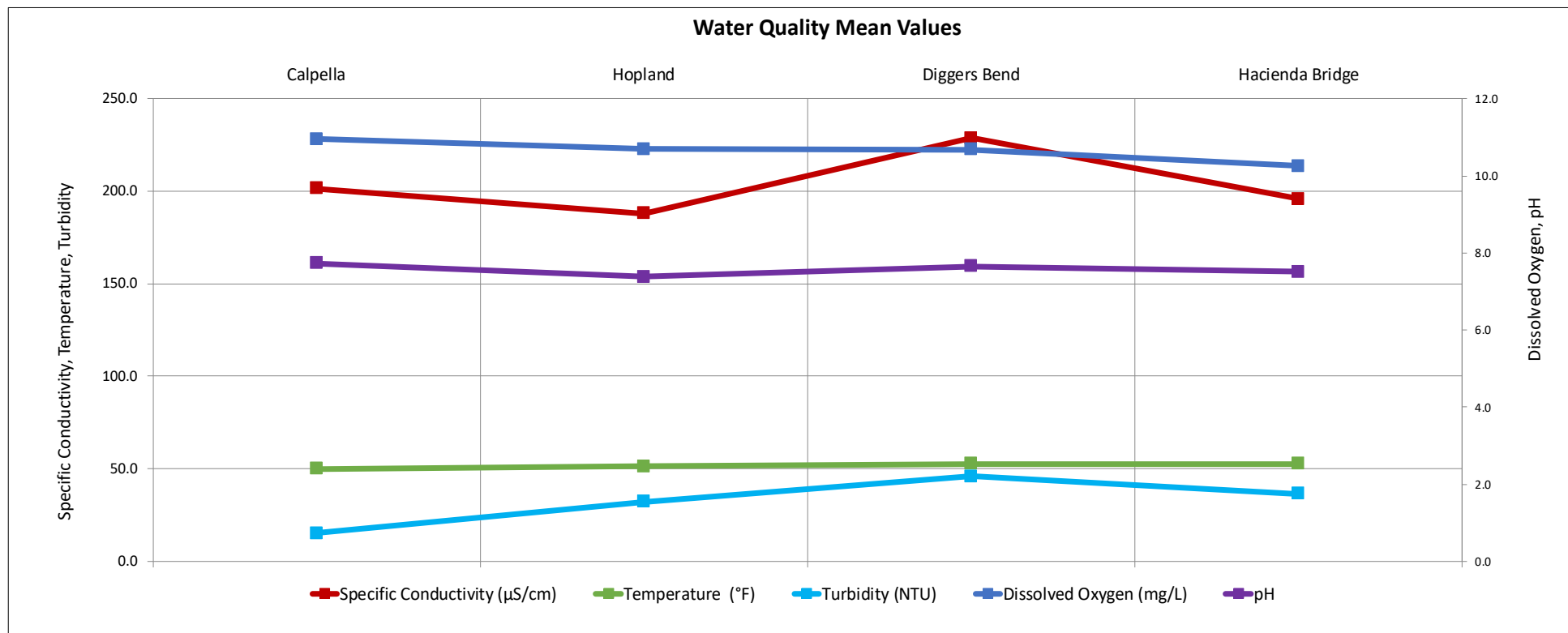
Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios



Russian River Flows (February 9, 2024 - February 15, 2024)

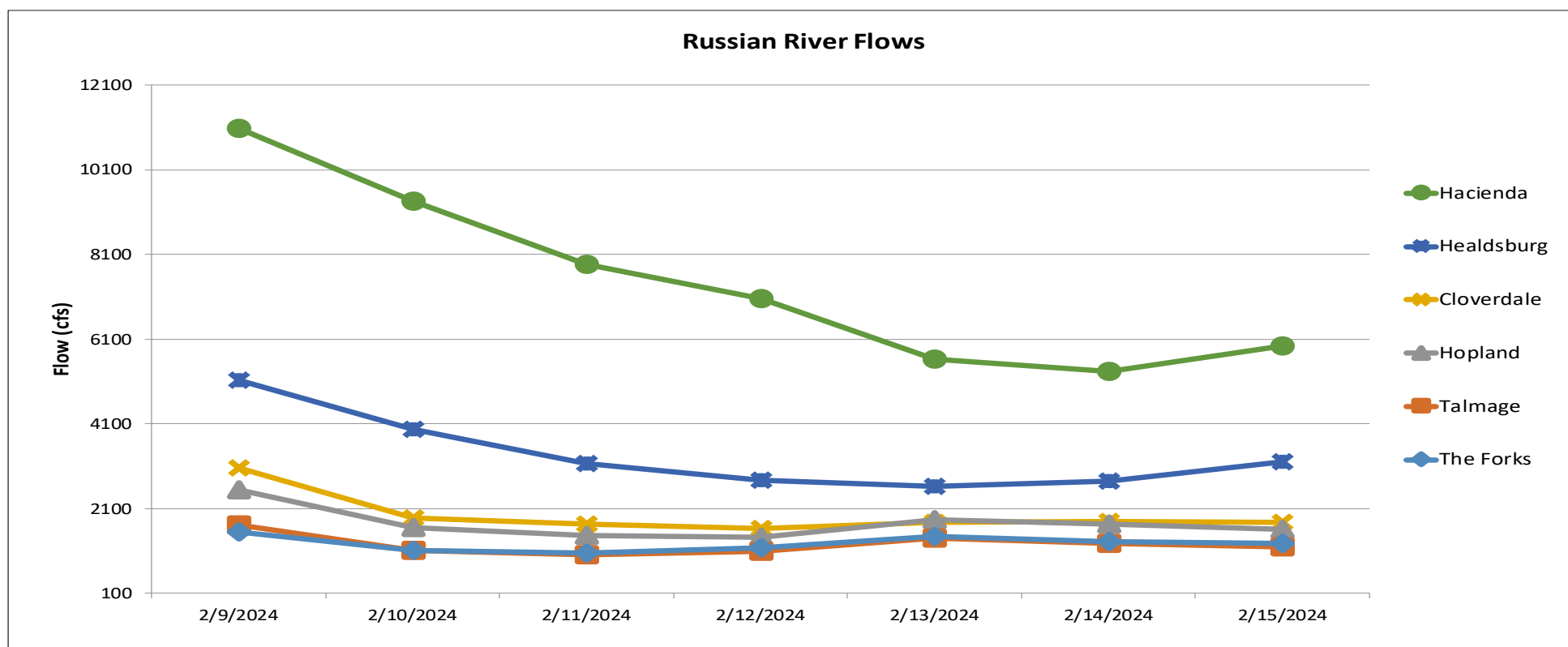
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	46.9	49.8		50.4	50.4		51.1	
	Max	52.5	52.3		54.1	54.1		53.8	
	Mean	50.0	51.3		52.4	52.6		52.6	
Specific Conductivity (µS/cm)	Min	182.0	172.0			199.0		179.0	
	Max	234.0	200.0			246.0		209.0	
	Mean	201.7	188.2			228.9		195.8	
Dissolved Oxygen (mg/L)	Min	10.4	10.2			10.5		9.9	
	Max	11.4	11.2			11.0		10.4	
	Mean	11.0	10.7			10.7		10.3	
Dissolved Oxygen (% Saturation)	Min	94.1	92.9			95.6		91.3	
	Max	101.9	99.9			100.9		96.5	
	Mean	97.1	96.3			97.8		93.9	
pH	Min	7.6	7.2			7.6		7.5	
	Max	7.8	7.5			7.7		7.6	
	Mean	7.7	7.4			7.6		7.5	
Turbidity (NTU)	Min	5.2	21.3			30.2		29.8	
	Max	64.0	57.4			72.5		48.3	
	Mean	15.1	32.1			45.9		36.4	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Feb 9, 2024	Feb 10, 2024	Feb 11, 2024	Feb 12, 2024	Feb 13, 2024	Feb 14, 2024	Feb 15, 2024
The Forks*	1551	1107	1058	1171	1433	1316	1283
Talmage USGS 11462080	1712	1111	1014	1084	1406	1271	1200
Hopland USGS 11462500	2541	1651	1467	1425	1829	1733	1607
Cloverdale USGS 11463000	3061	1884	1730	1636	1773	1788	1784
Healdsburg USGS 11464000	5130	3969	3162	2759	2620	2753	3207
Hacienda USGS 11467000	11074	9358	7872	7061	5635	5345	5937

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

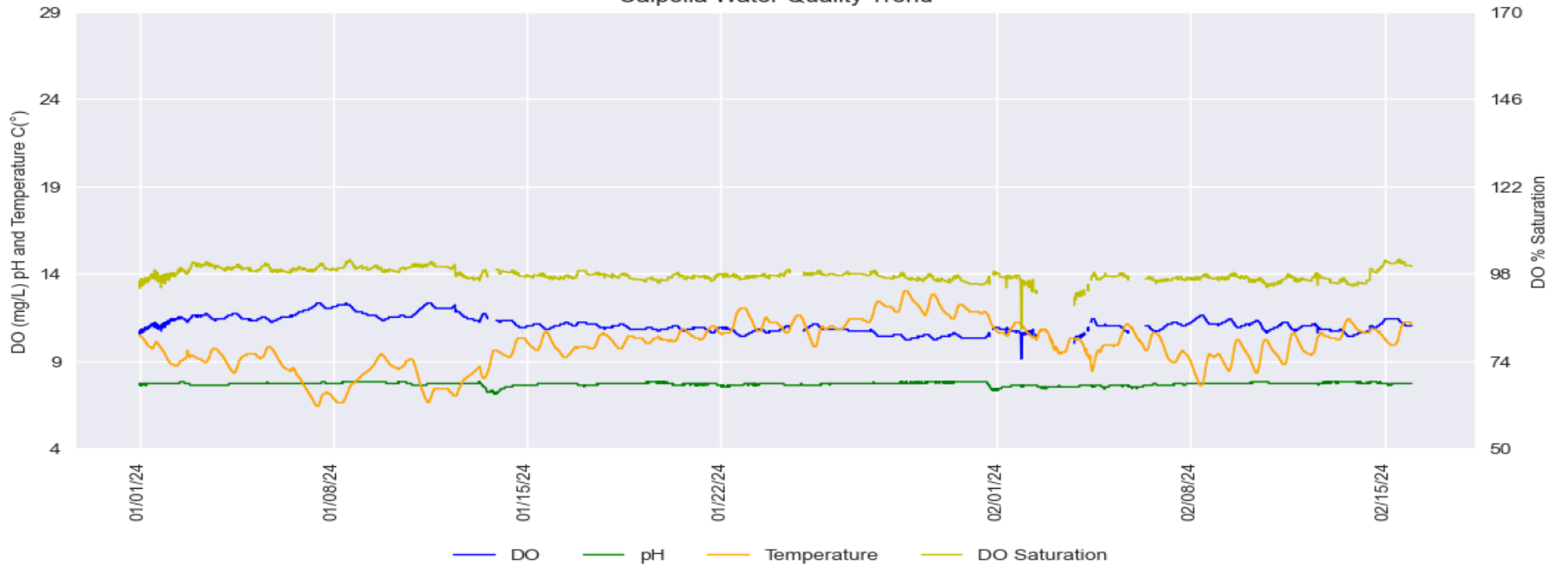


Russian River Water Quality January 1, 2024 – February 15, 2024

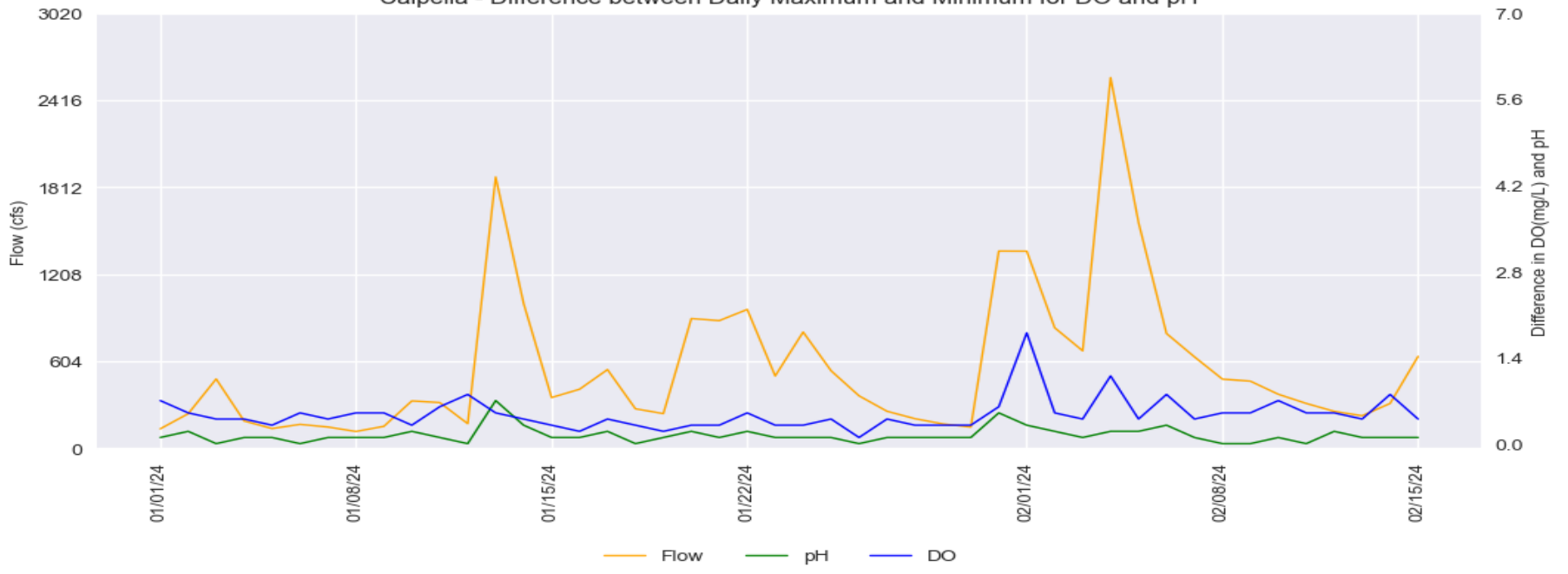
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

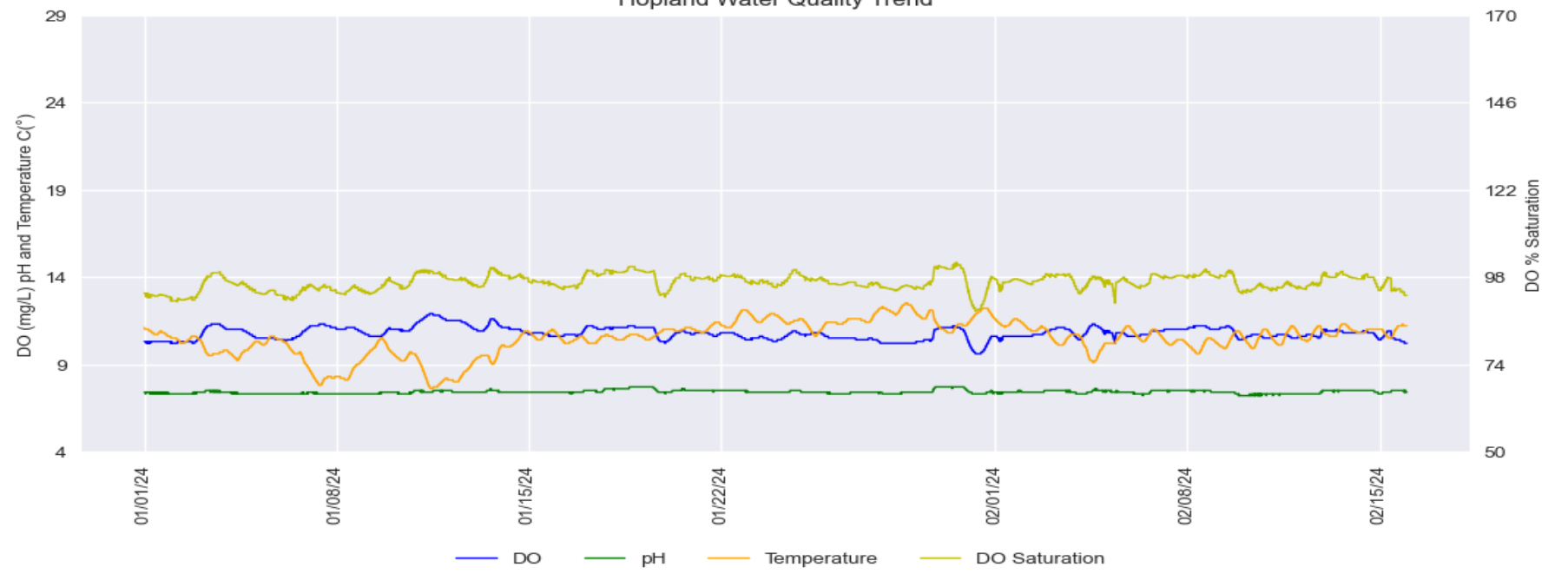


Calpella - Difference between Daily Maximum and Minimum for DO and pH

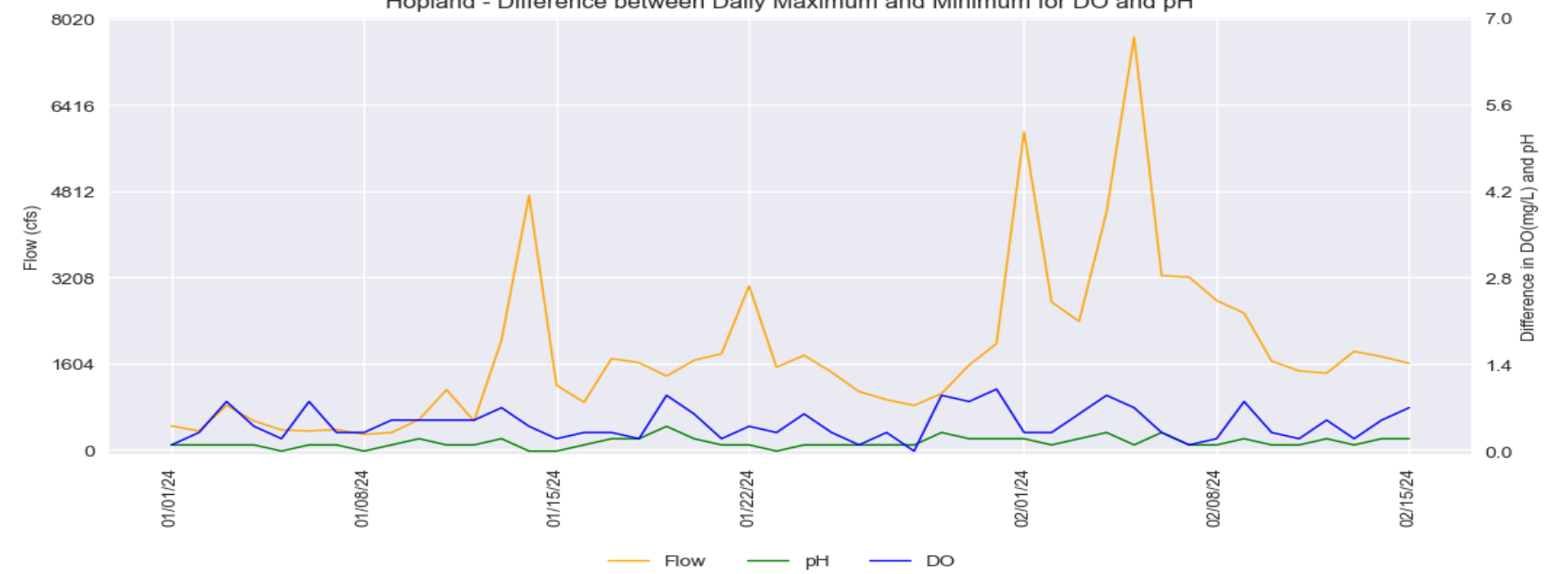


Hopland

Hopland Water Quality Trend



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

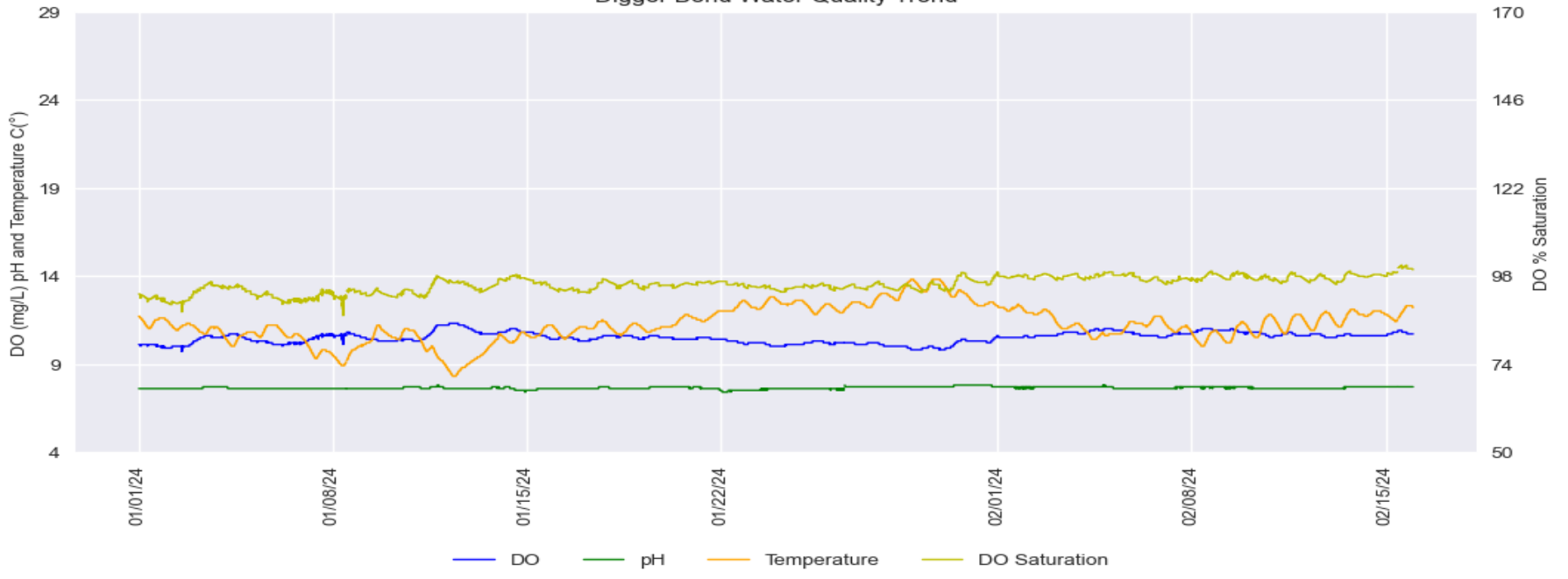


Russian River Water Quality January 1, 2024 – February 15, 2024

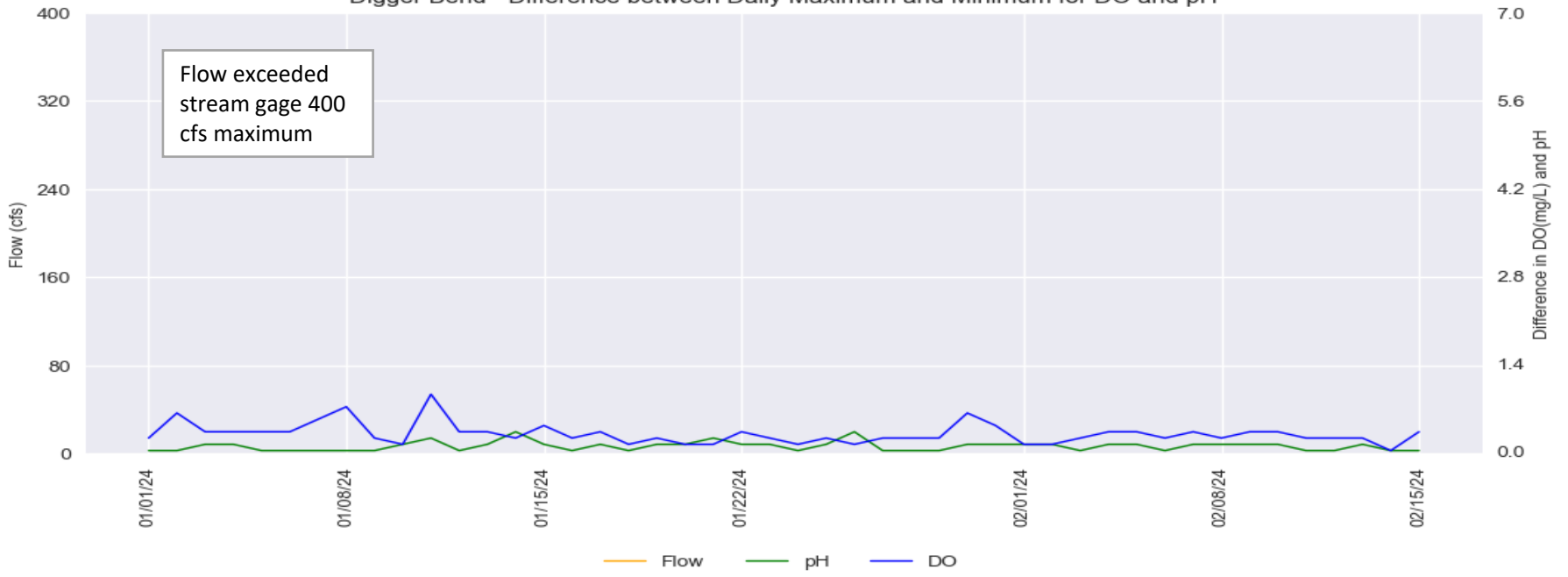
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Digger Bend

Digger Bend Water Quality Trend

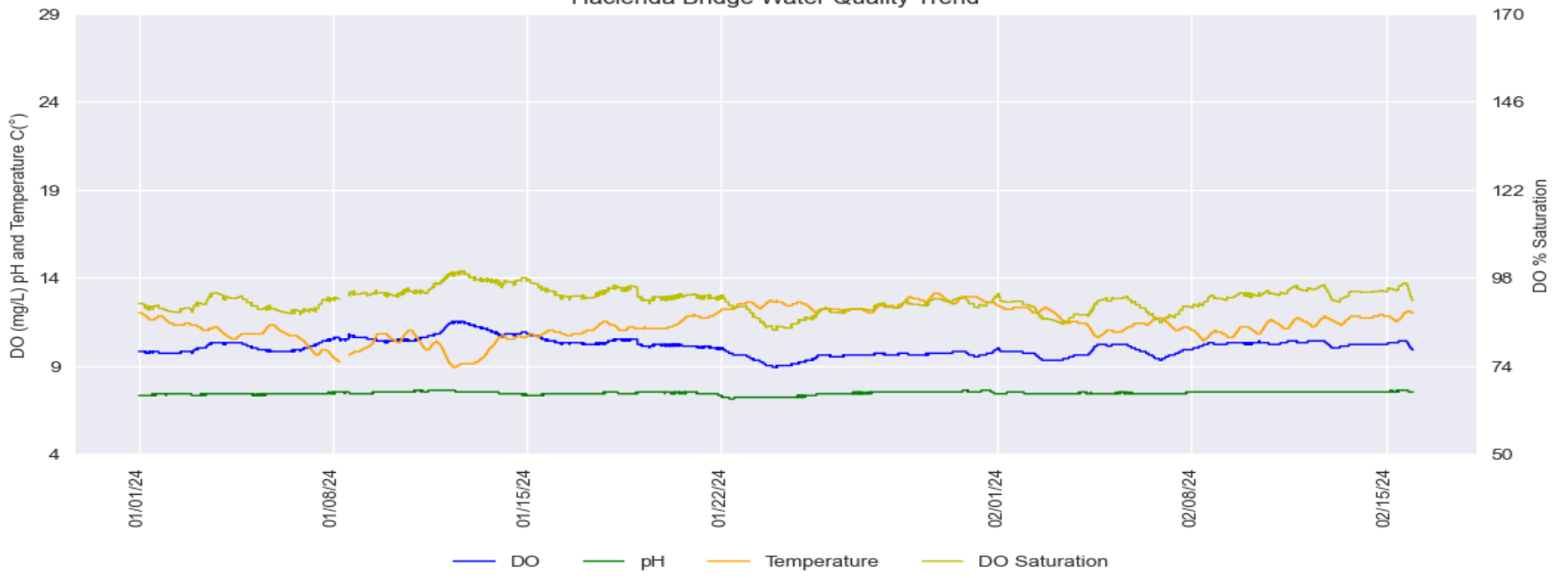


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

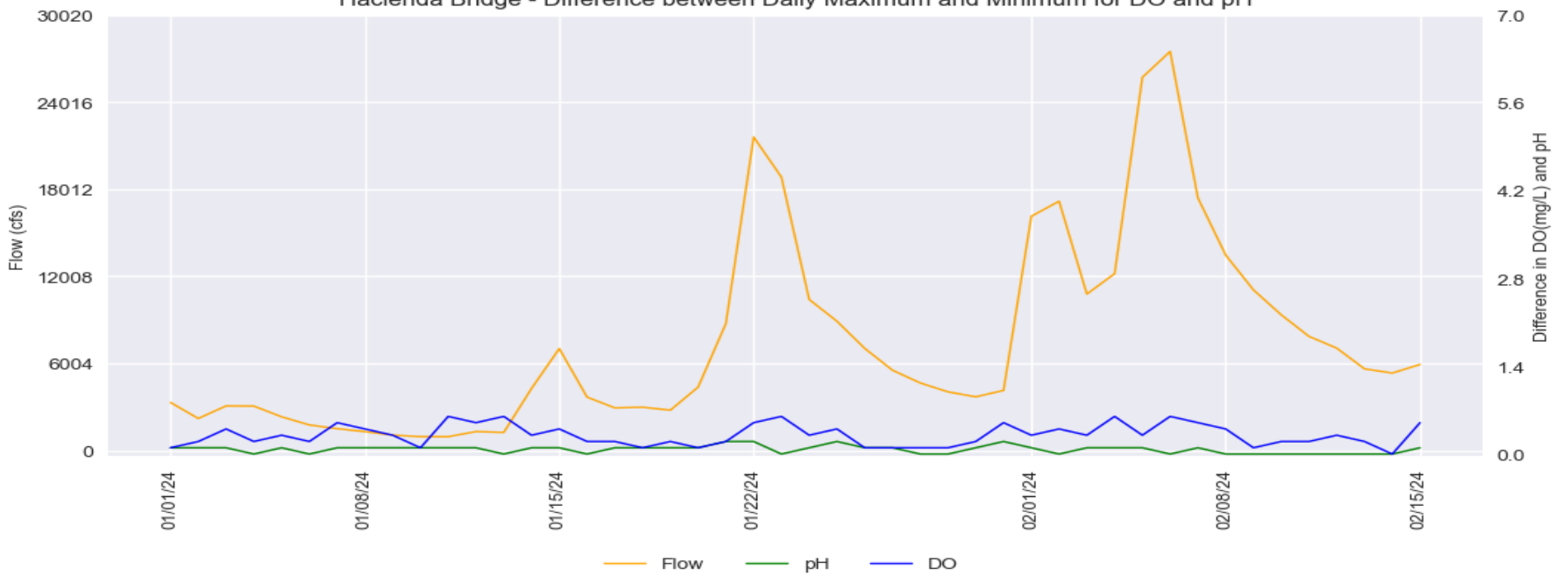


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

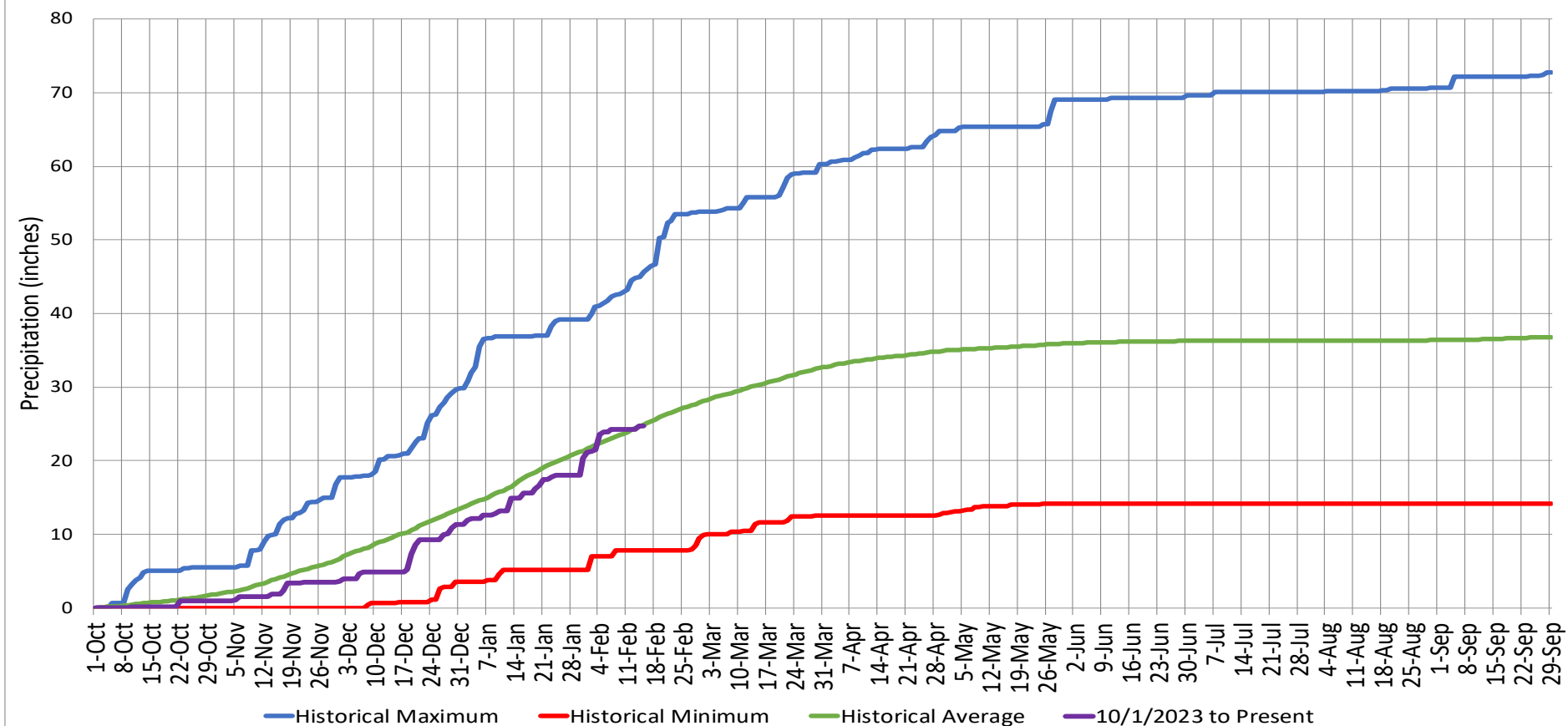


Precipitation

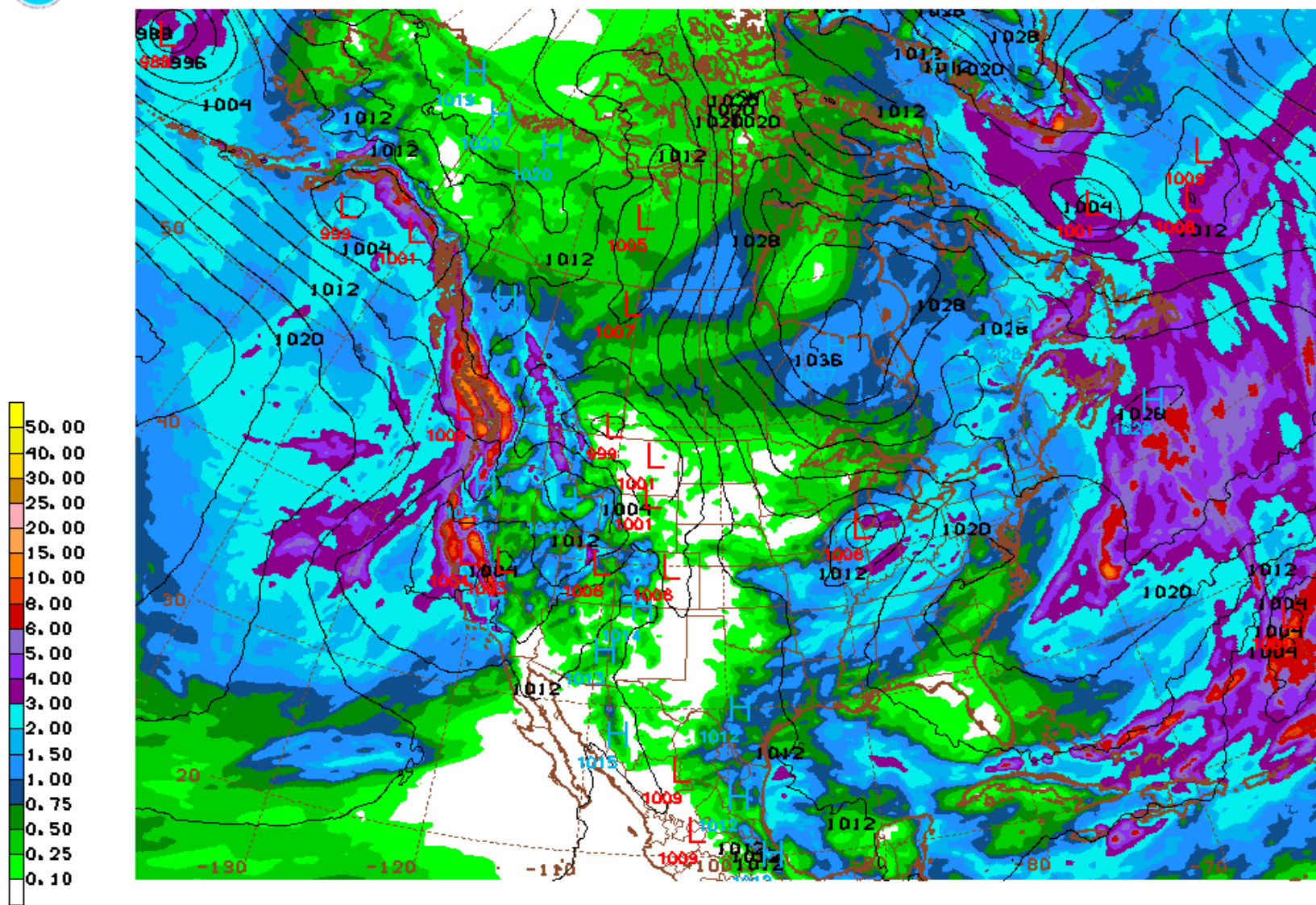
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - Feb 15, 2024	24.76
Last 7 Days*	0.54

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 02/20/24 12UTC 384HR FCST VALID THU 03/07/24 12UTC NOAA/NWS/NCEP



6FS THU 240307/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Feb 20 - Mar 7, 2024

Forecasted Cumulative (inches)
8.20