



State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 February 23, 2024 - February 29, 2024

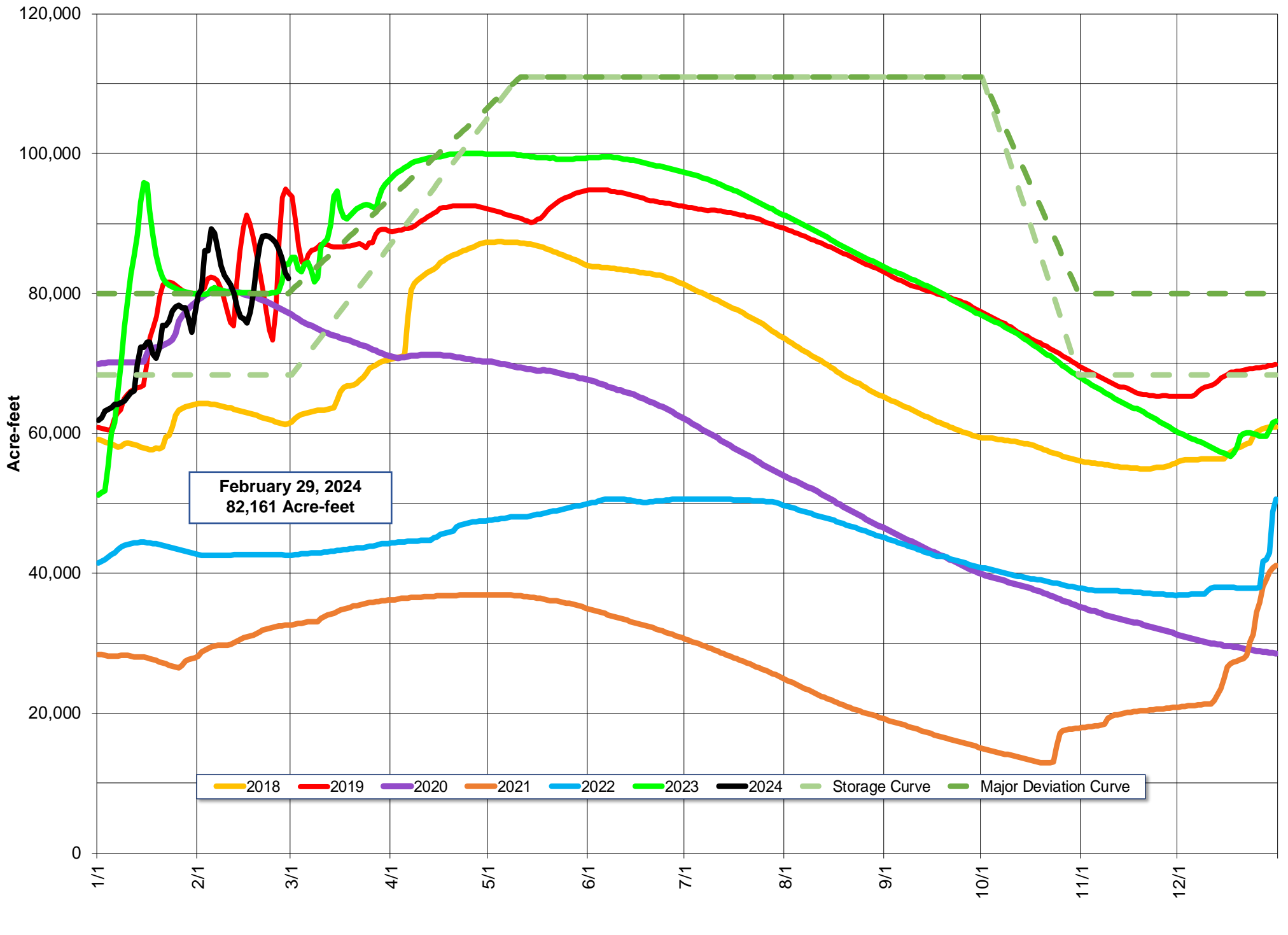
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of February 29, 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



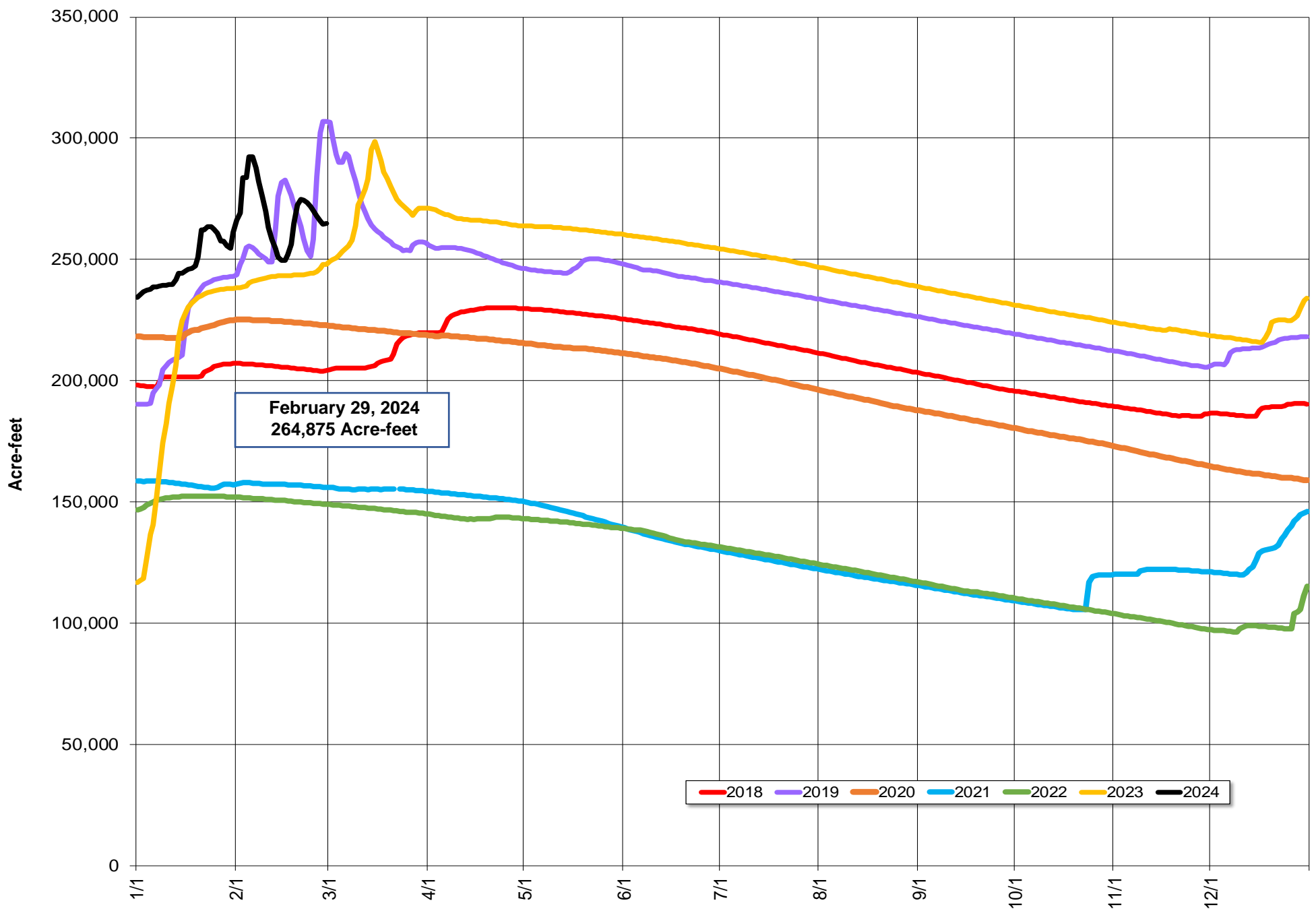
Storage (acre-feet)	February 29, 2024	82,161	
Change in Storage (acre-feet)	Last 30 days	7,707	257
	Last 7 days	-6,011	-859
Daily Inflow (cfs)	Last 7 days	Min	230
		Max	1,513
		Mean	707
Release (cfs)	Last 7 days	Min	147
		Max	1,249
		Mean	706

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	February 29, 2024	264,875	
Change in Storage (acre-feet)	Last 30 days	10,183	339
	Last 7 days	-9,713	-1,388
Daily Inflow (cfs)	Last 7 days	Min	371
		Max	1,543
		Mean	1,150
Release (cfs)	Last 7 days	Min	445
		Max	1,506
		Mean	1,027

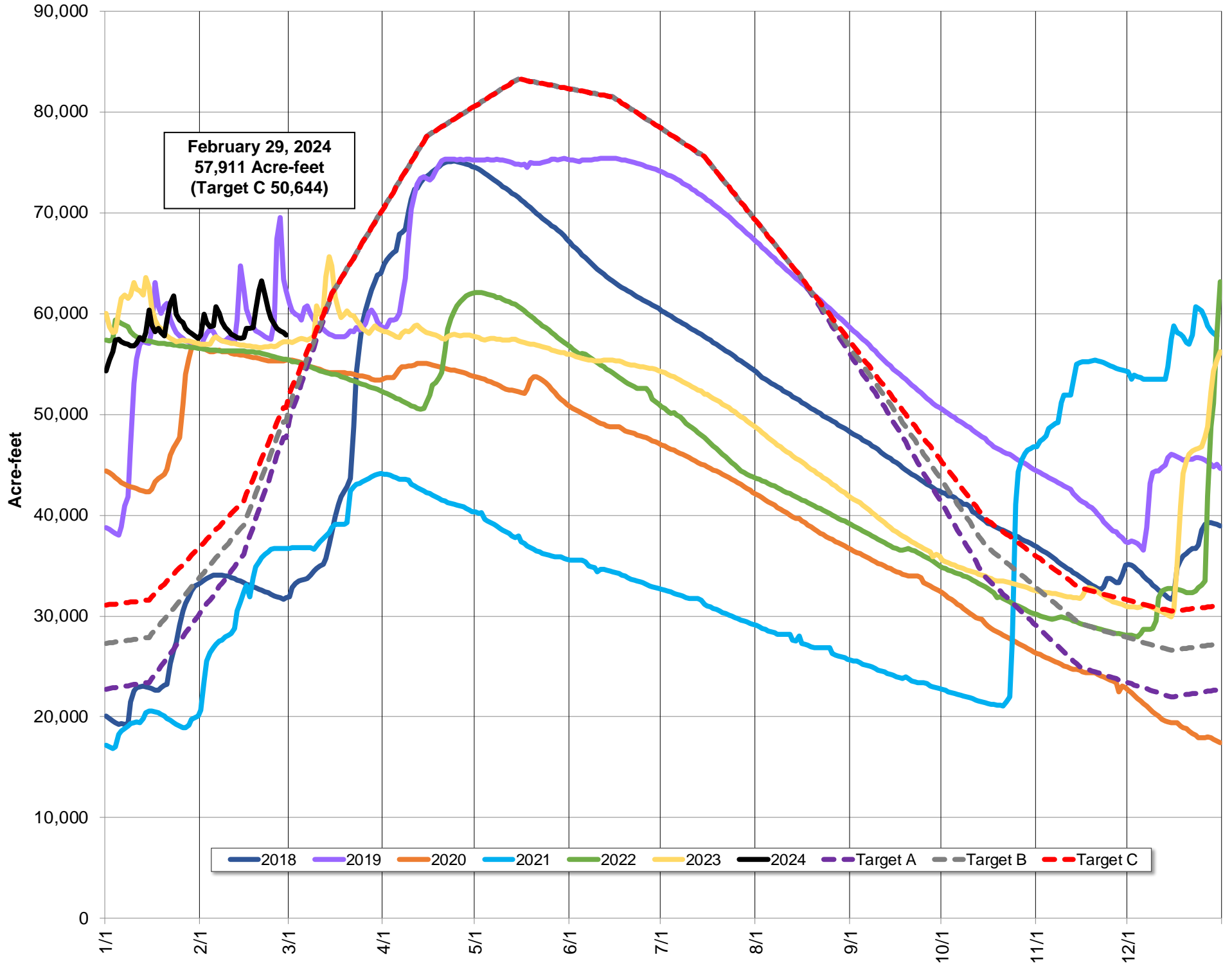
Potter Valley Project

PVP Diversion (cfs)	February 29, 2024	46
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - February 29, 2024	279,345	1,838
	Last 7 days	17,302	2,472

*Inflow calculation based on criteria established in D1610

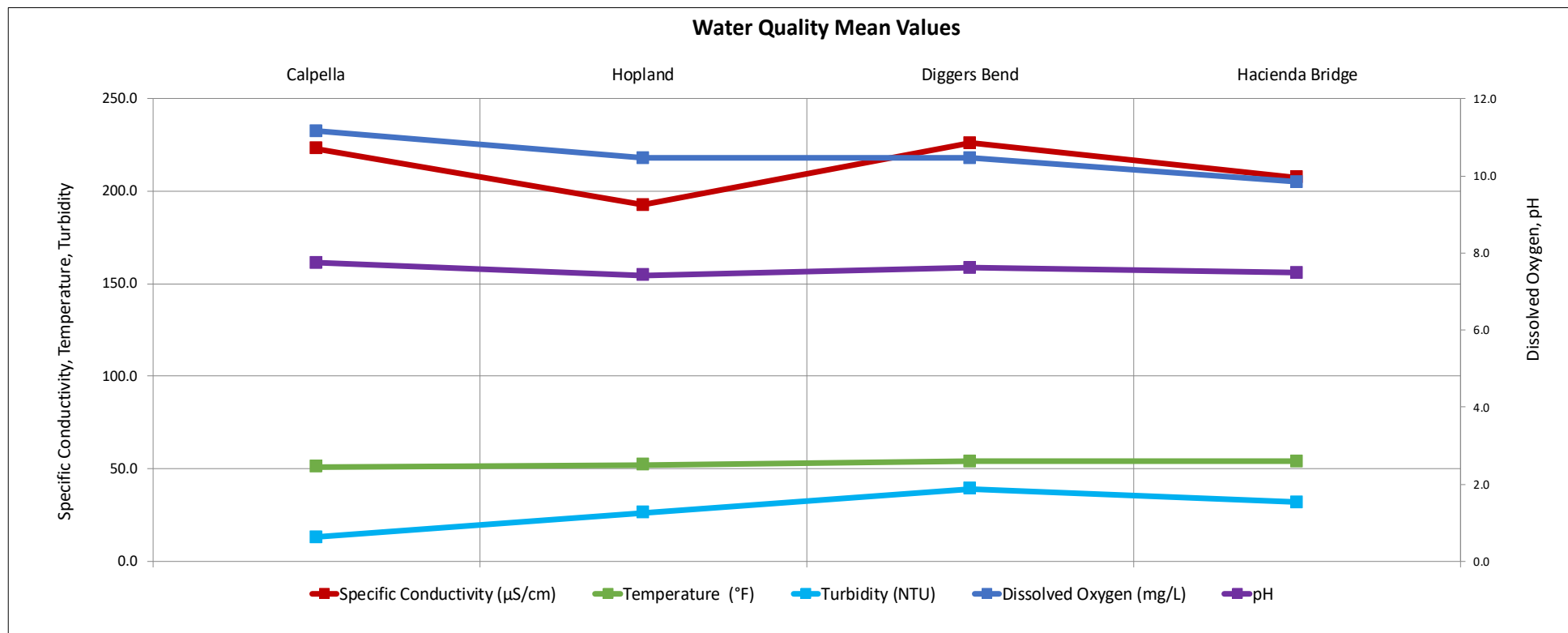
Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios



Russian River Flows (February 23, 2024 - February 29, 2024)

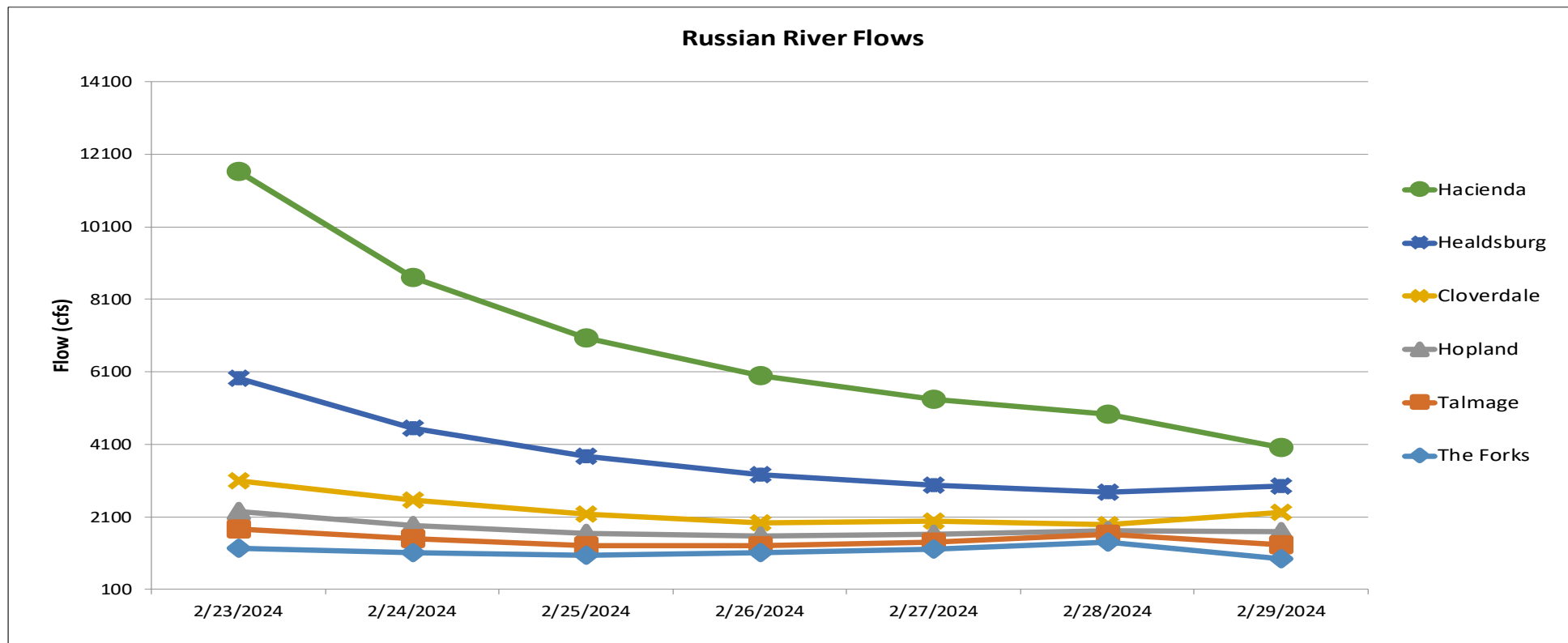
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	48.0	50.2		51.4	51.8		52.7	
	Max	54.0	53.8		55.6	55.6		54.9	
	Mean	51.1	52.0		53.5	53.9		54.1	
Specific Conductivity (µS/cm)	Min	193.0	176.0			187.0		173.0	
	Max	240.0	215.0			241.0		234.0	
	Mean	223.2	192.6			226.0		207.4	
Dissolved Oxygen (mg/L)	Min	10.7	9.7			10.2		9.5	
	Max	11.7	10.9			10.7		10.3	
	Mean	11.2	10.5			10.5		9.8	
Dissolved Oxygen (% Saturation)	Min	98.6	89.6			95.1		88.6	
	Max	102.0	99.7			99.5		95.3	
	Mean	100.2	95.0			97.4		91.9	
pH	Min	7.6	7.2			7.6		7.4	
	Max	7.8	7.6			7.7		7.6	
	Mean	7.7	7.4			7.6		7.5	
Turbidity (NTU)	Min	6.8	18.1			26.1		22.8	
	Max	40.5	39.1			62.6		51.9	
	Mean	12.9	26.2			39.0		31.9	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Feb 23, 2024	Feb 24, 2024	Feb 25, 2024	Feb 26, 2024	Feb 27, 2024	Feb 28, 2024	Feb 29, 2024
The Forks*	1233	1121	1040	1113	1200	1399	933
Talmage USGS 11462080	1759	1487	1301	1315	1397	1607	1334
Hopland USGS 11462500	2246	1866	1631	1559	1619	1717	1681
Cloverdale USGS 11463000	3101	2556	2184	1945	1974	1886	2216
Healdsburg USGS 11464000	5932	4546	3778	3261	2977	2778	2958
Hacienda USGS 11467000	11629	8692	7031	5994	5346	4923	4018

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

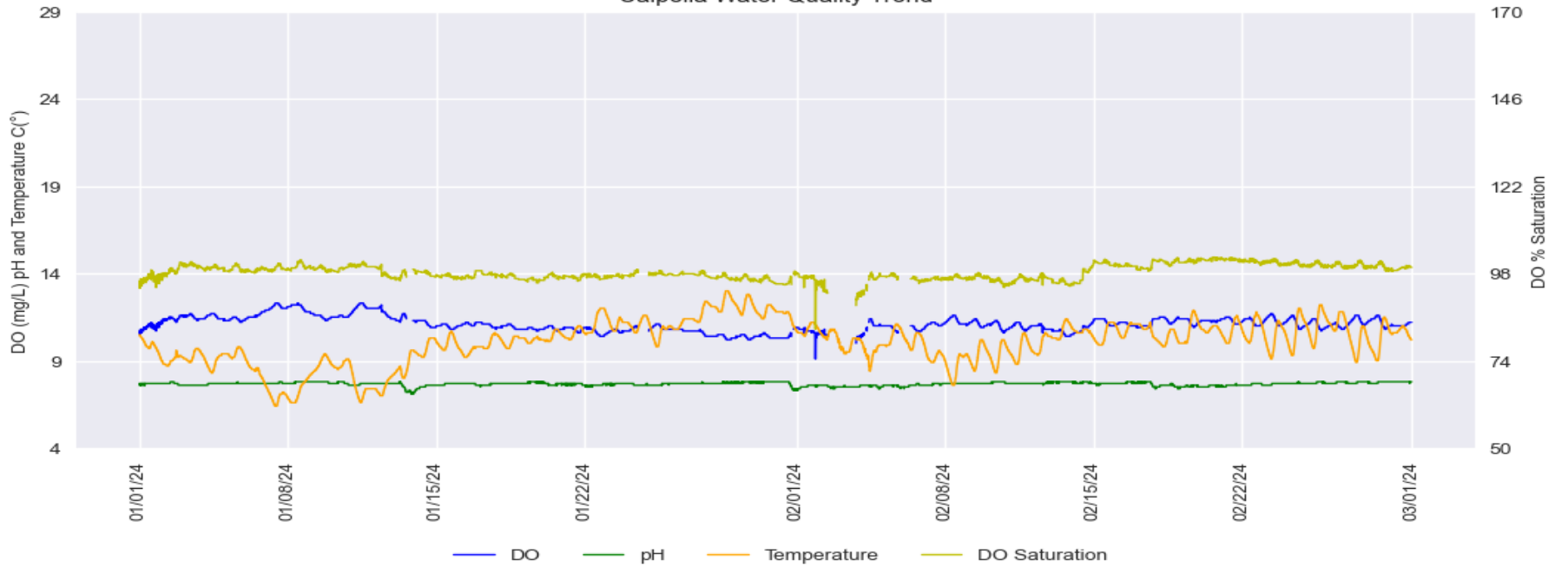


Russian River Water Quality January 1, 2024 – February 29, 2024

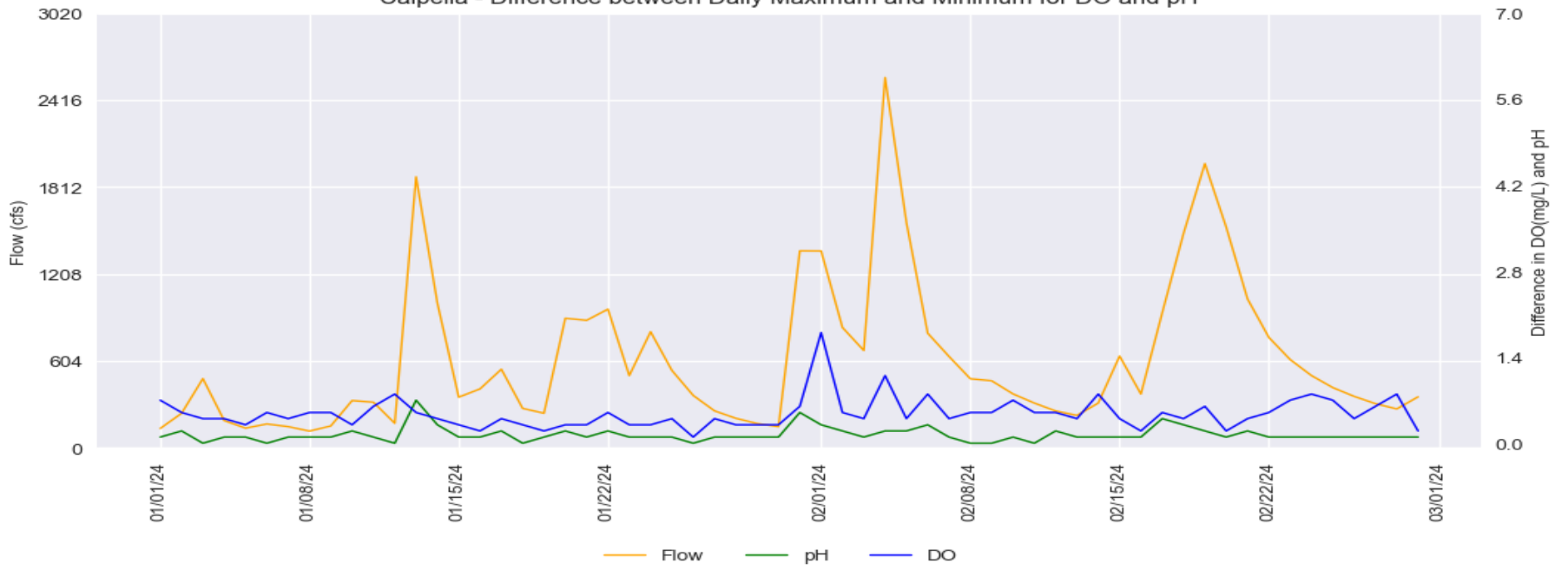
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

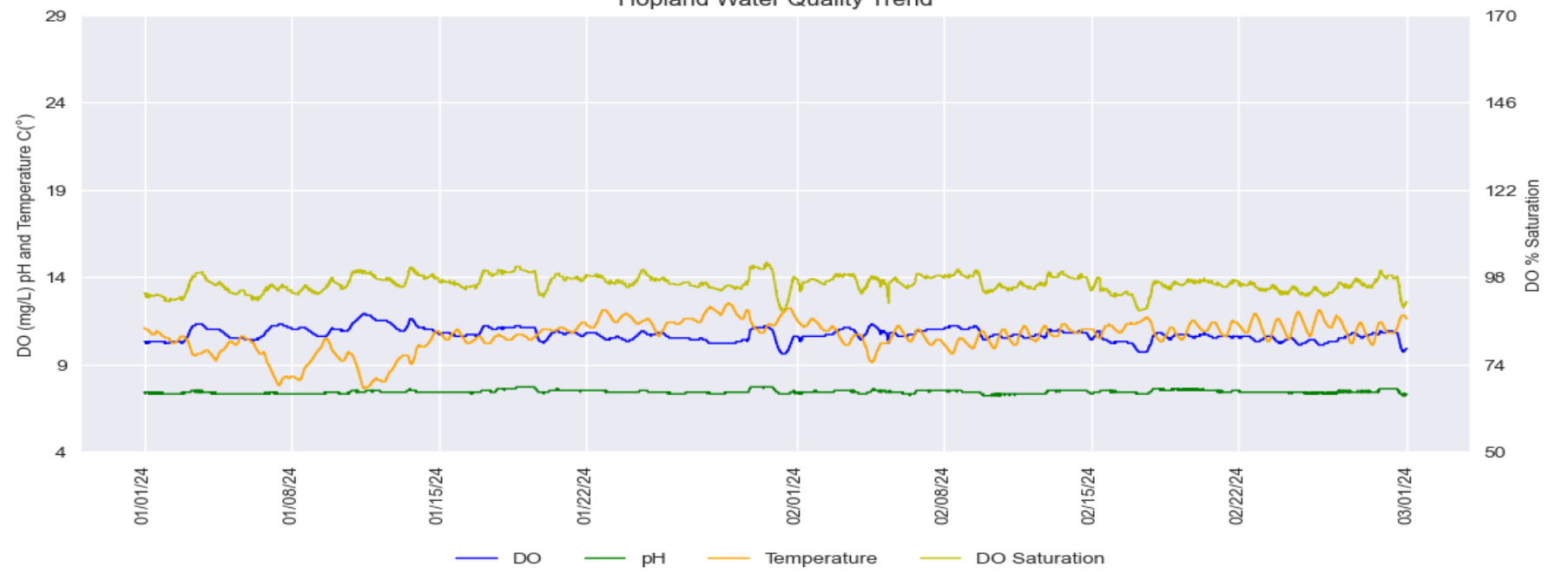


Calpella - Difference between Daily Maximum and Minimum for DO and pH

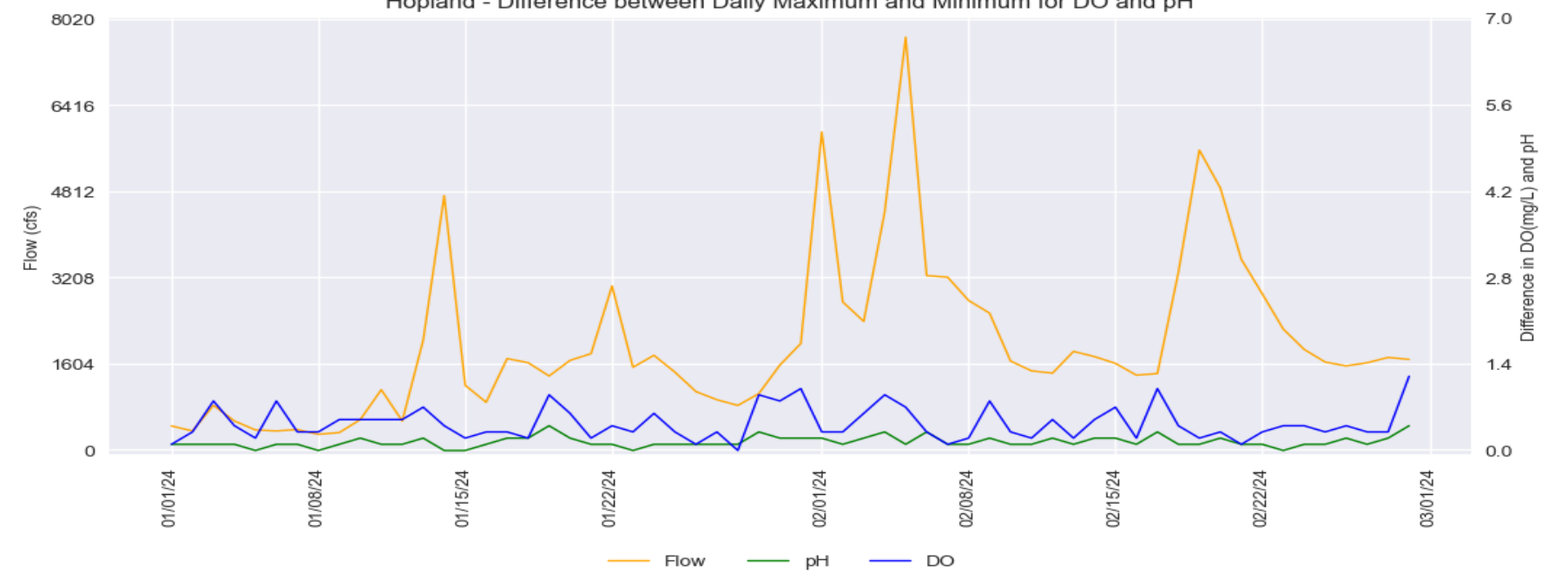


Hopland

Hopland Water Quality Trend



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

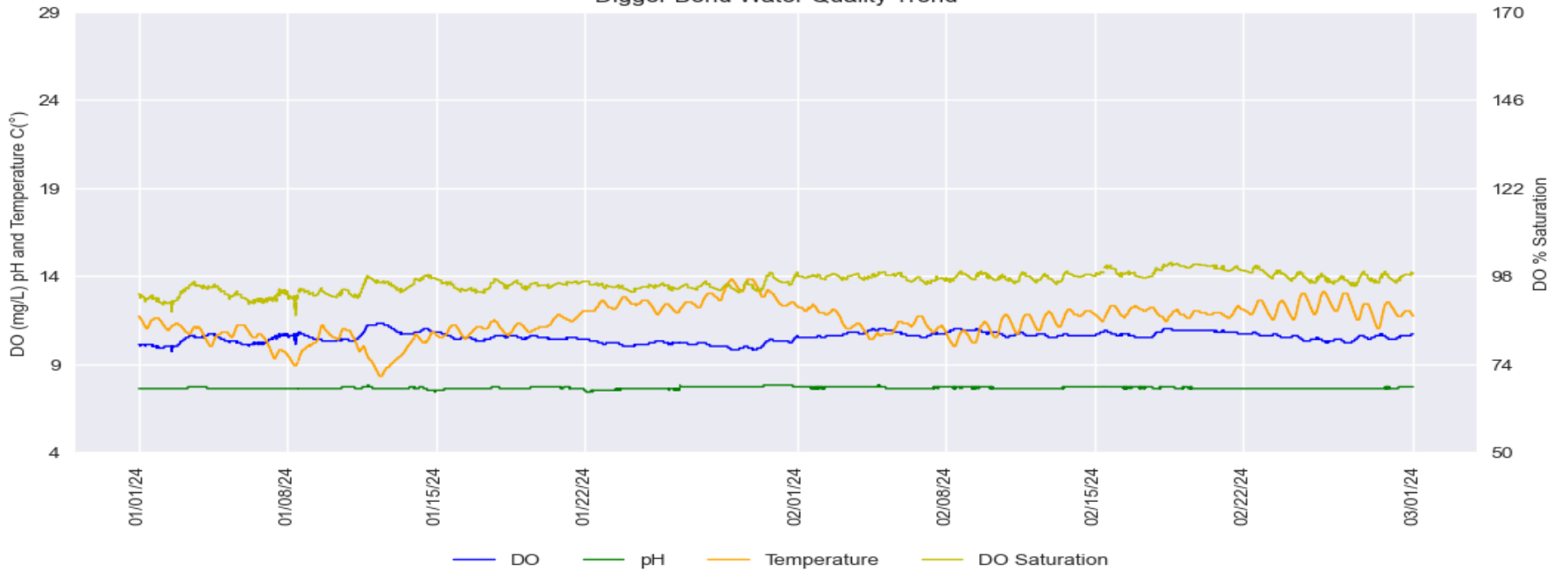


Russian River Water Quality January 1, 2024 – February 29, 2024

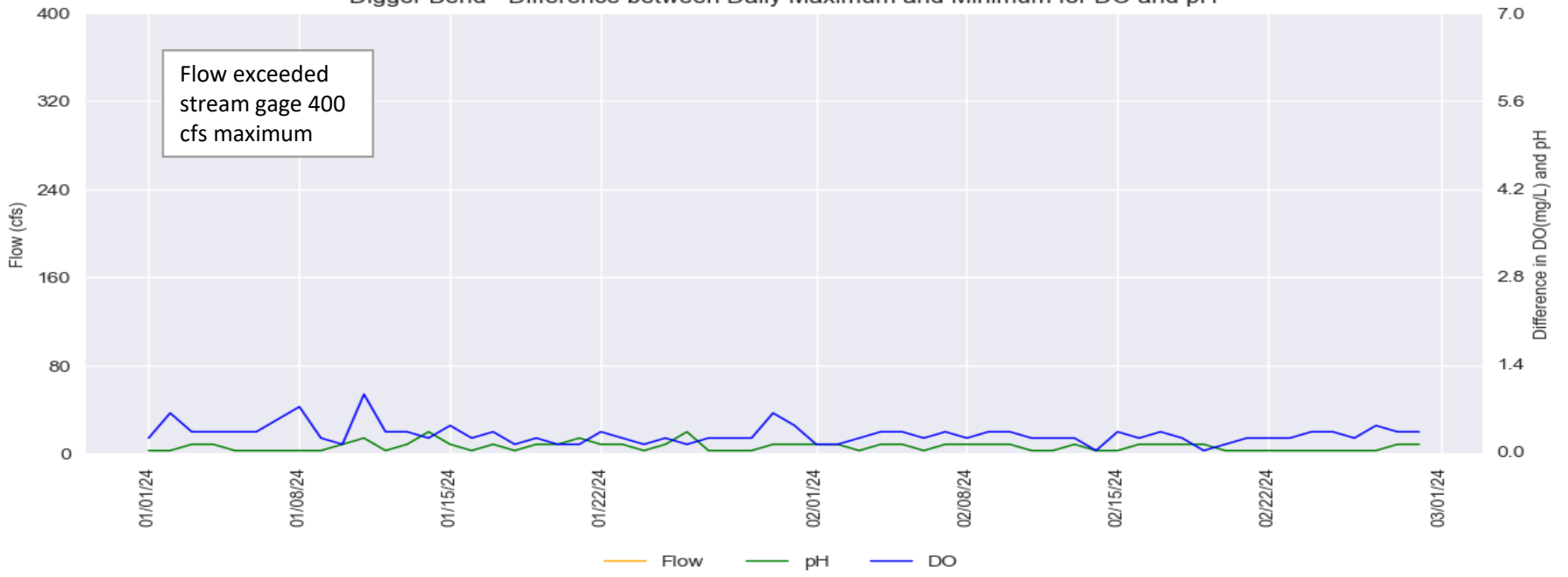
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

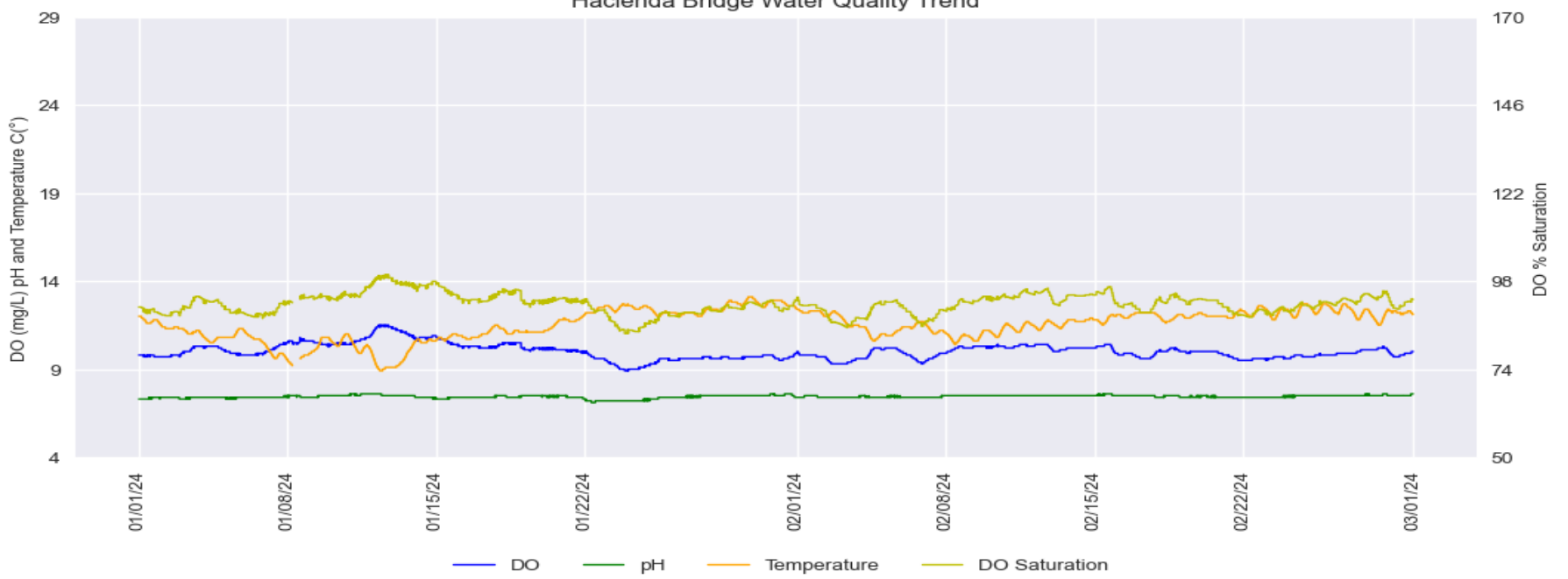


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

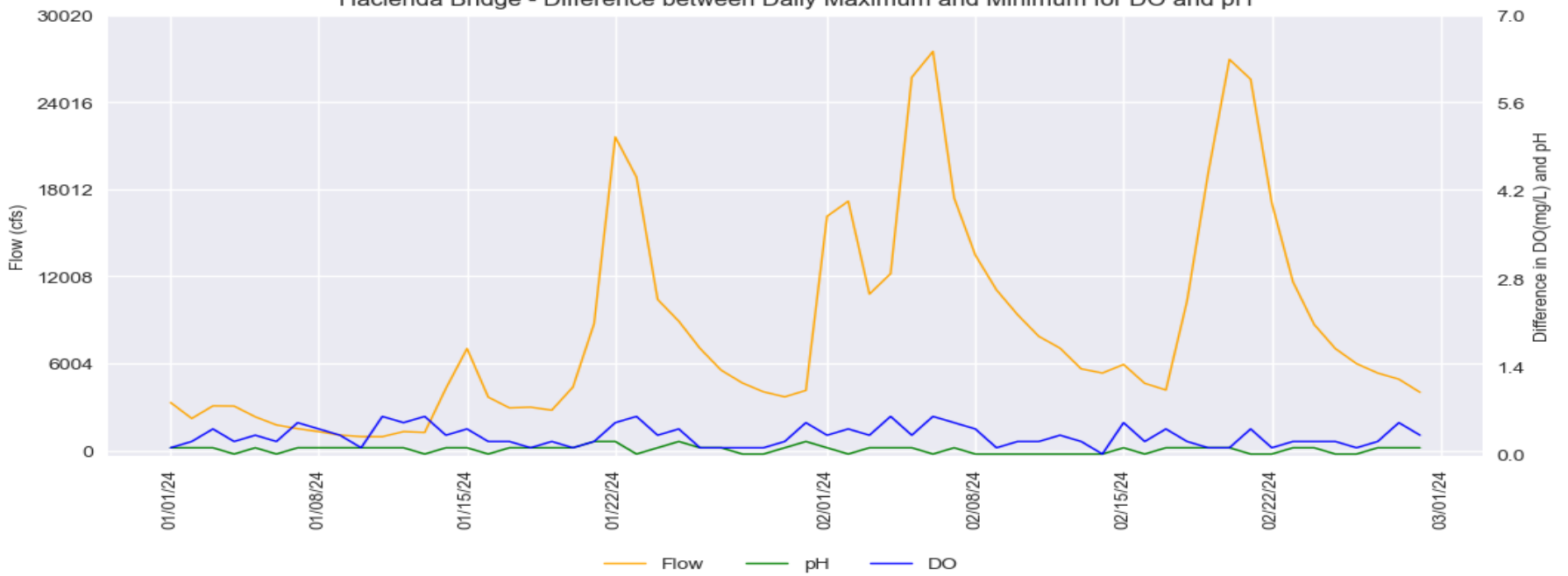


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

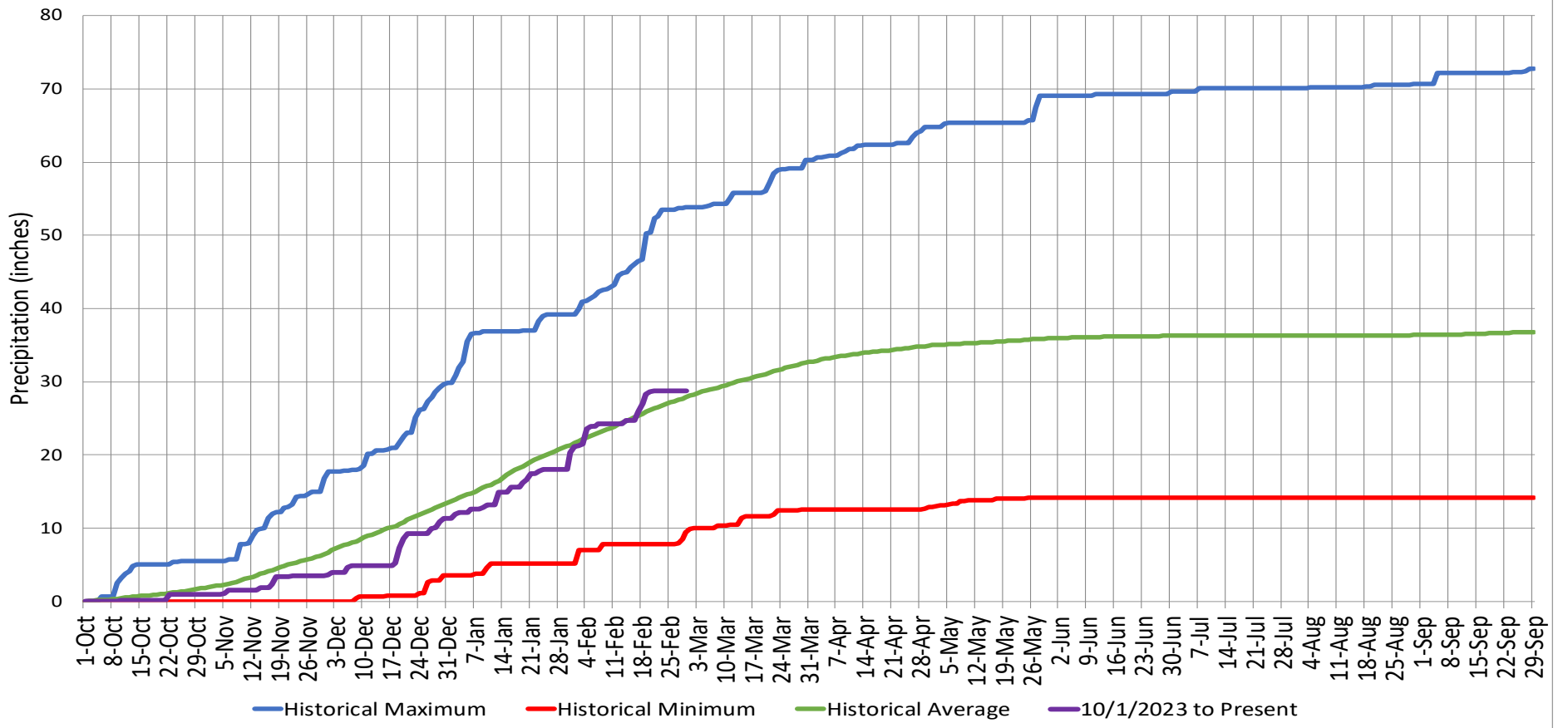


Precipitation

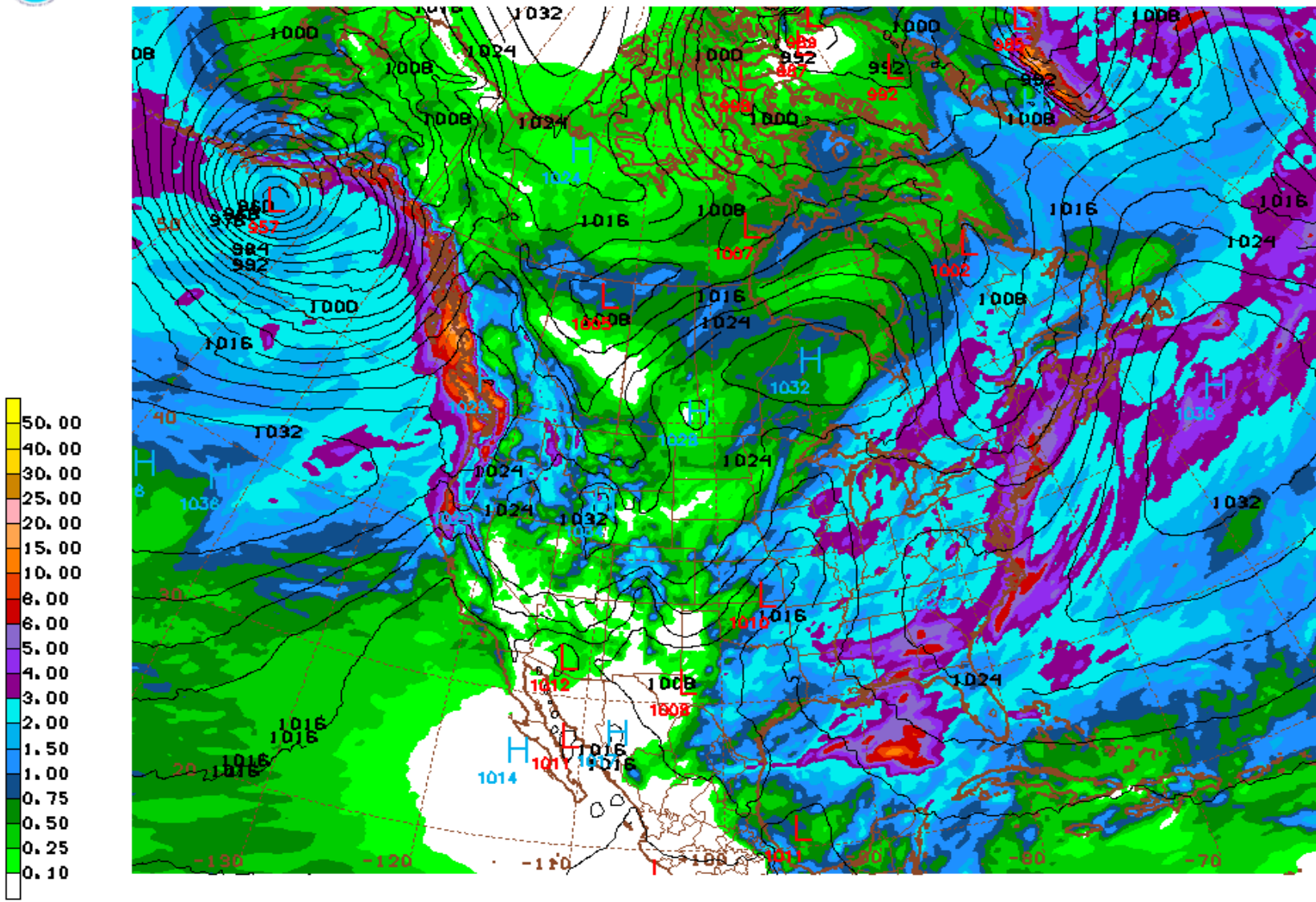
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - Feb 29, 2024	28.74
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 03/04/24 12UTC 384HR FCST VALID WED 03/20/24 12UTC NOAA/NWS/NCEP



6FS WED 240320/1200V384 ENSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Mar 4 - Mar 20, 2024

Forecasted Cumulative (inches)
2.10