



State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 May 3, 2024 - May 9, 2024

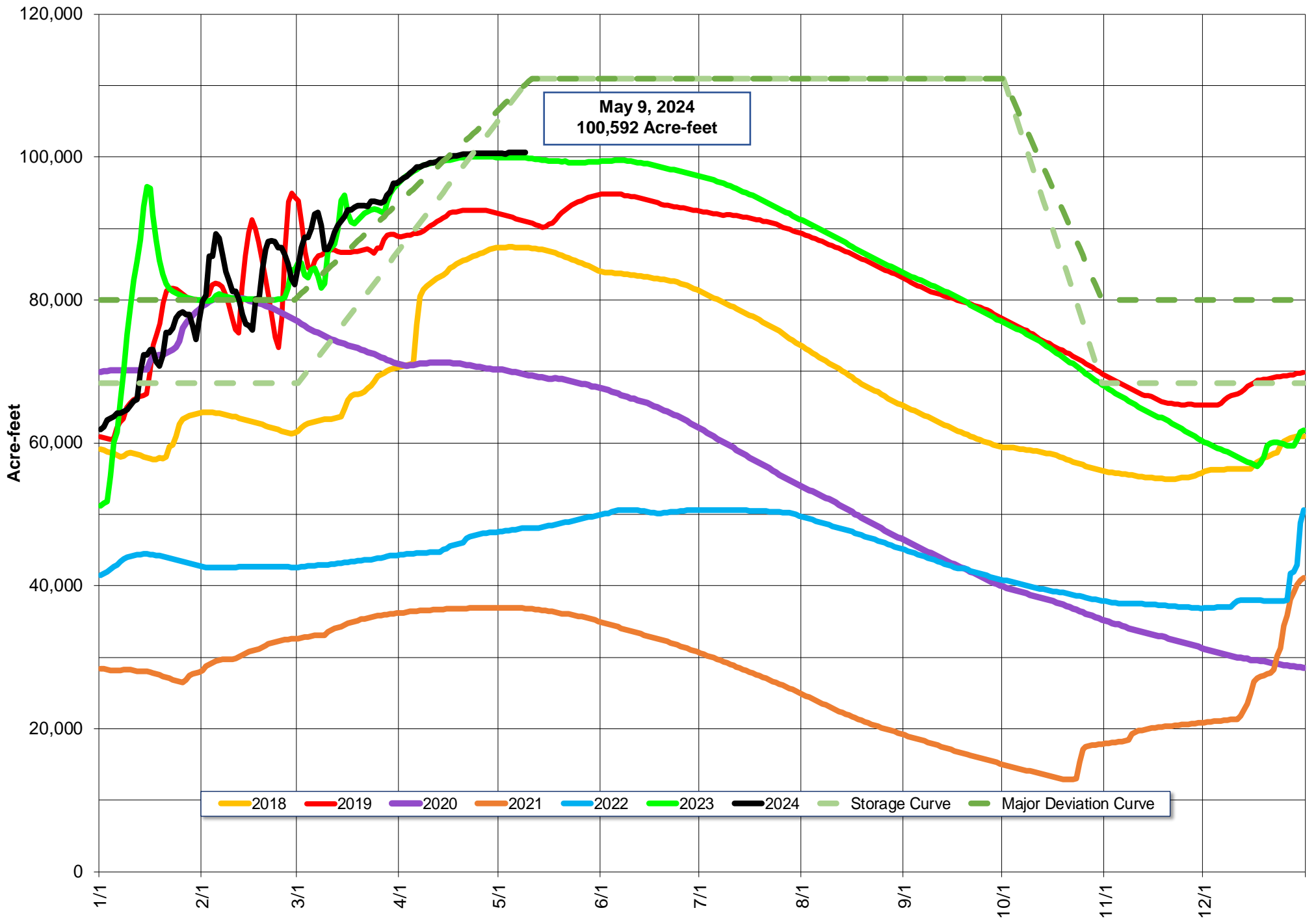
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of May 9, 2024

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	185	-
Modified Per Order: Normal Condition	Dry Creek	80	-
Modified Per Order: Normal Condition	Lower Russian River	125	-

Lake Mendocino

Lake Mendocino Storage 2018 - 2024 and Storage Curve



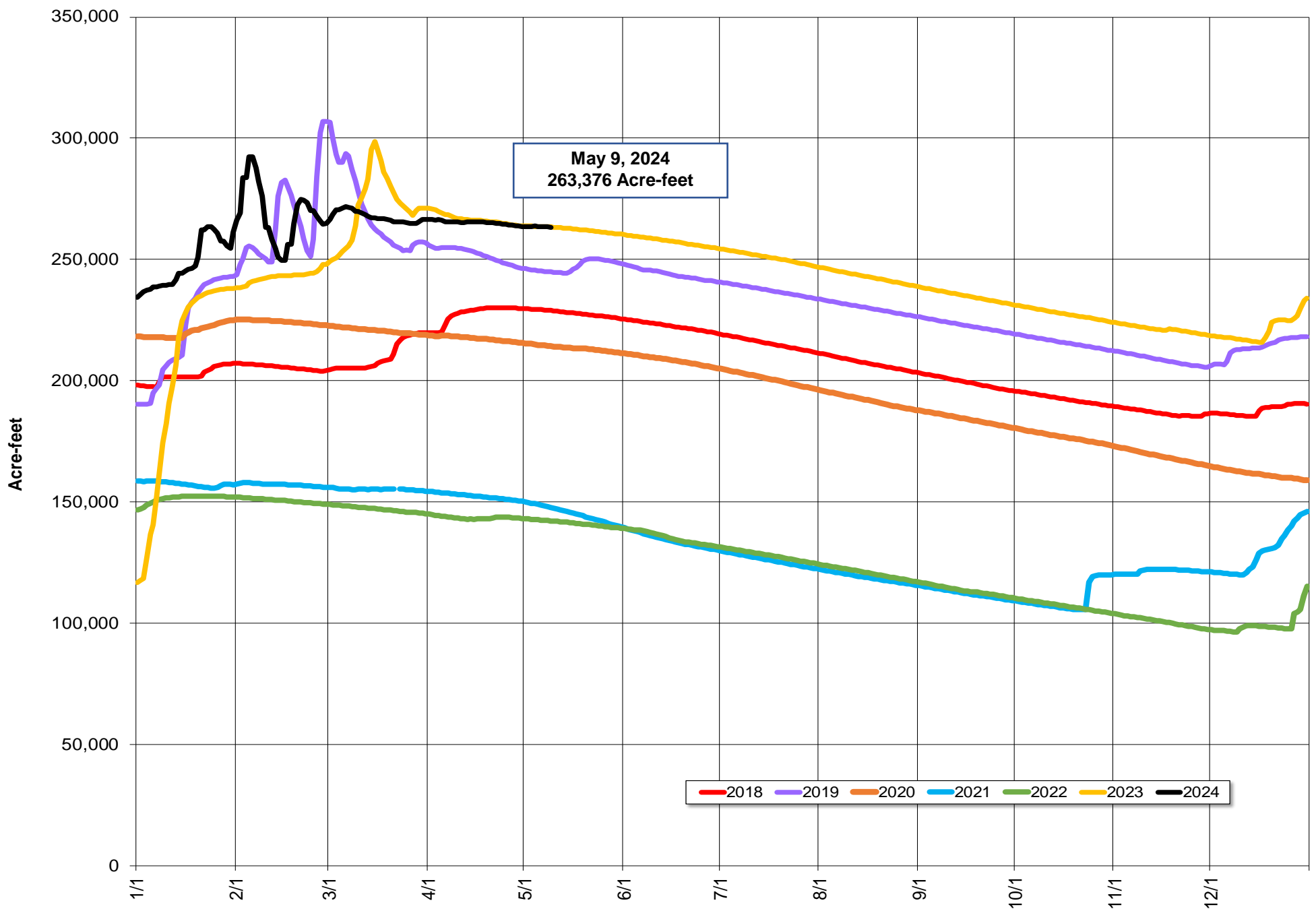
Storage (acre-feet)	May 9, 2024	100,592	
Change in Storage (acre-feet)	Last 30 days	1,588	53
	Last 7 days	161	23
Daily Inflow (cfs)	Last 7 days	Min	135
		Max	237
		Mean	154
Release (cfs)	Last 7 days	Min	138
		Max	151
		Mean	144

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	May 9, 2024	263,376	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-2,000	-67
	Last 7 days	-194	-28
Daily Inflow (cfs)	Last 7 days	Min	50
		Max	264
		Mean	129
Release (cfs)	Last 7 days	Min	100
		Max	101
		Mean	100

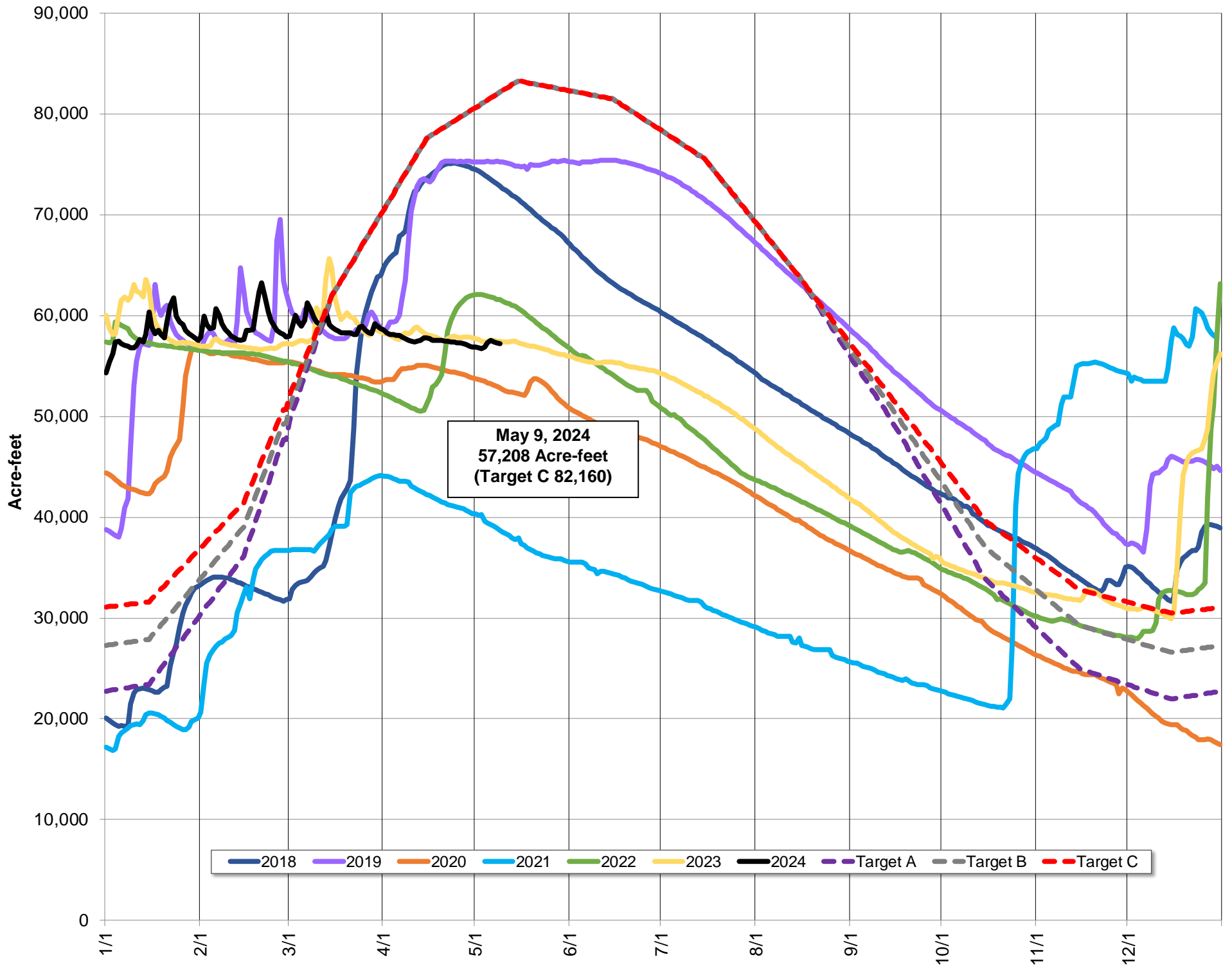
Potter Valley Project

PVP Diversion (cfs)	May 9, 2024	90
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - May 9, 2024	466,545	2,102
	Last 7 days	6,965	995

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios

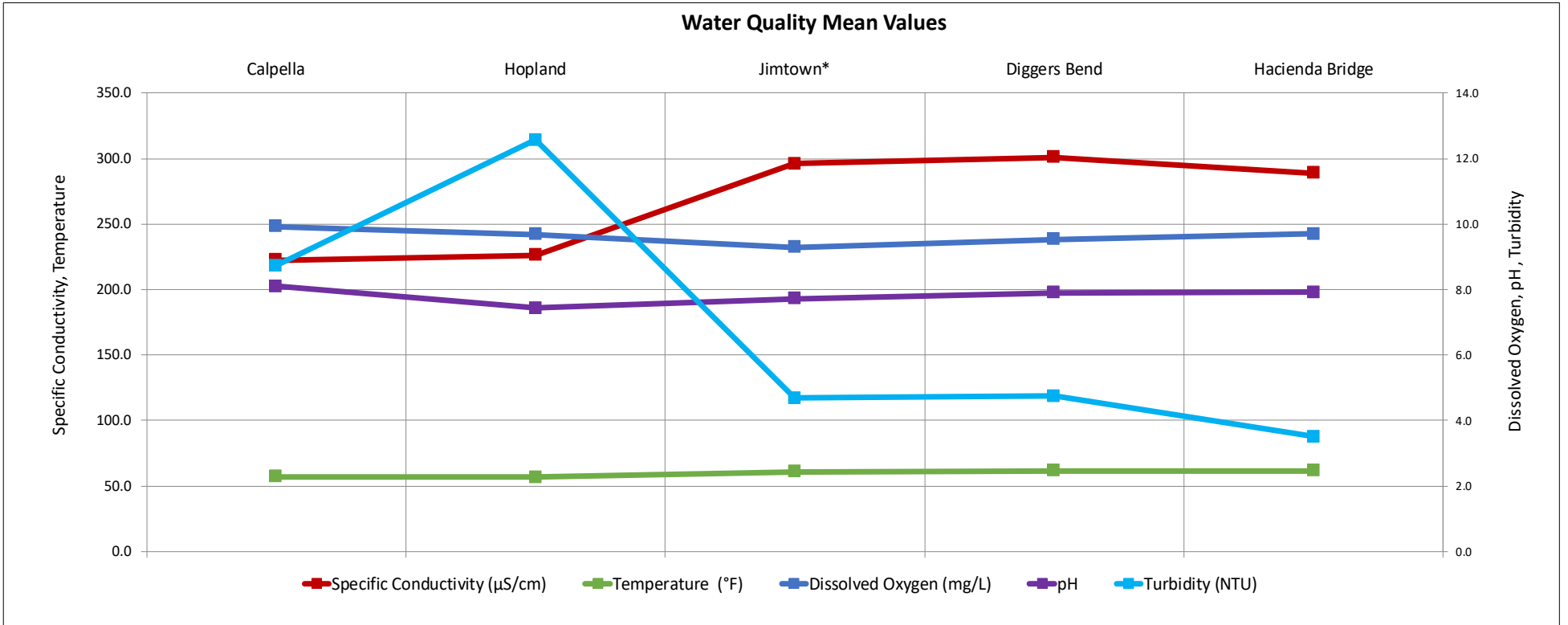


Russian River Flows (May 3, 2024 - May 9, 2024)

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	52.2	52.5		56.1	57.0		57.7	
	Max	63.3	60.3		65.7	66.6		66.0	
	Mean	57.0	56.5		60.8	61.7		61.7	
Specific Conductivity (µS/cm)	Min	211.0	202.0		268.0	277.0		269.0	
	Max	240.0	235.0		308.0	314.0		306.0	
	Mean	222.3	226.3		296.1	300.9		288.8	
Dissolved Oxygen (mg/L)	Min	9.1	9.0		8.1	8.2		8.5	
	Max	10.8	10.4		10.4	10.9		11.5	
	Mean	9.9	9.7		9.3	9.5		9.7	
Dissolved Oxygen (% Saturation)	Min	91.7	86.9		82.6	84.0		85.5	
	Max	104.9	102.6		109.0	117.5		122.7	
	Mean	95.9	93.1		94.2	97.7		99.4	
pH	Min	8.0	7.3		7.6	7.7		7.7	
	Max	8.3	7.5		8.0	8.2		8.2	
	Mean	8.1	7.4		7.7	7.9		7.9	
Turbidity (NTU)	Min	2.4	8.5		2.4	2.3		2.0	
	Max	35.4	25.9		10.6	12.1		6.2	
	Mean	8.7	12.6		4.7	4.7		3.5	

*Station operated seasonally

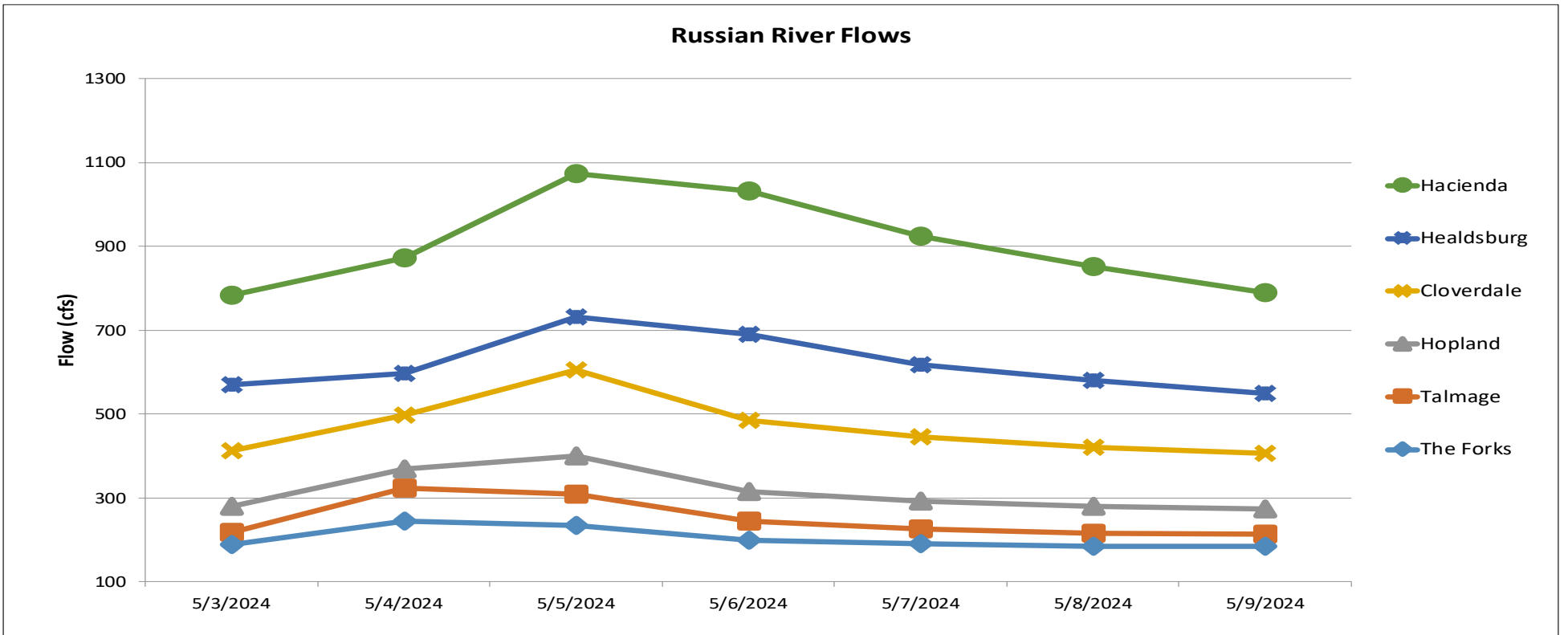
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	May 3, 2024	May 4, 2024	May 5, 2024	May 6, 2024	May 7, 2024	May 8, 2024	May 9, 2024
The Forks*	189	244	235	199	191	185	185
Talmage USGS 11462080	219	322	310	244	226	216	213
Hopland USGS 11462500	279	369	400	316	293	281	273
Cloverdale USGS 11463000	412	499	606	486	445	421	406
Healdsburg USGS 11464000	569	597	731	690	618	580	550
Hacienda USGS 11467000	784	872	1073	1031	923	852	790

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

Russian River Flows

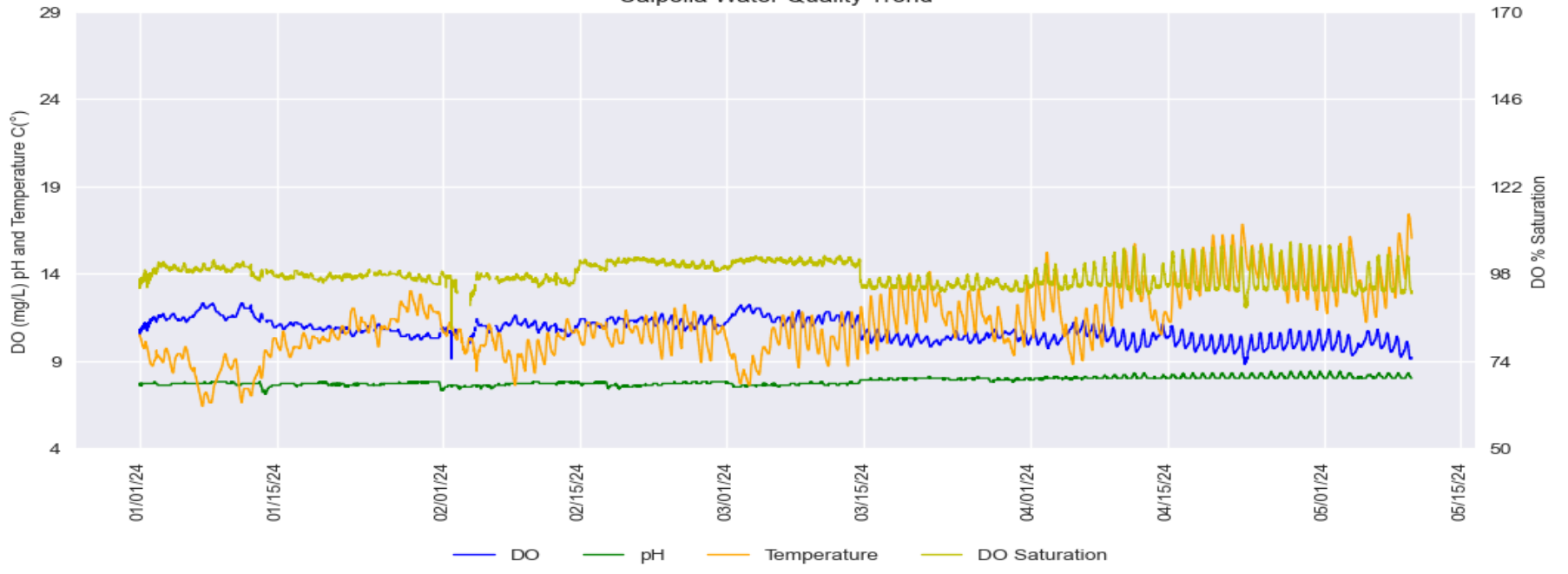


Russian River Water Quality January 1, 2024 – May 9, 2024

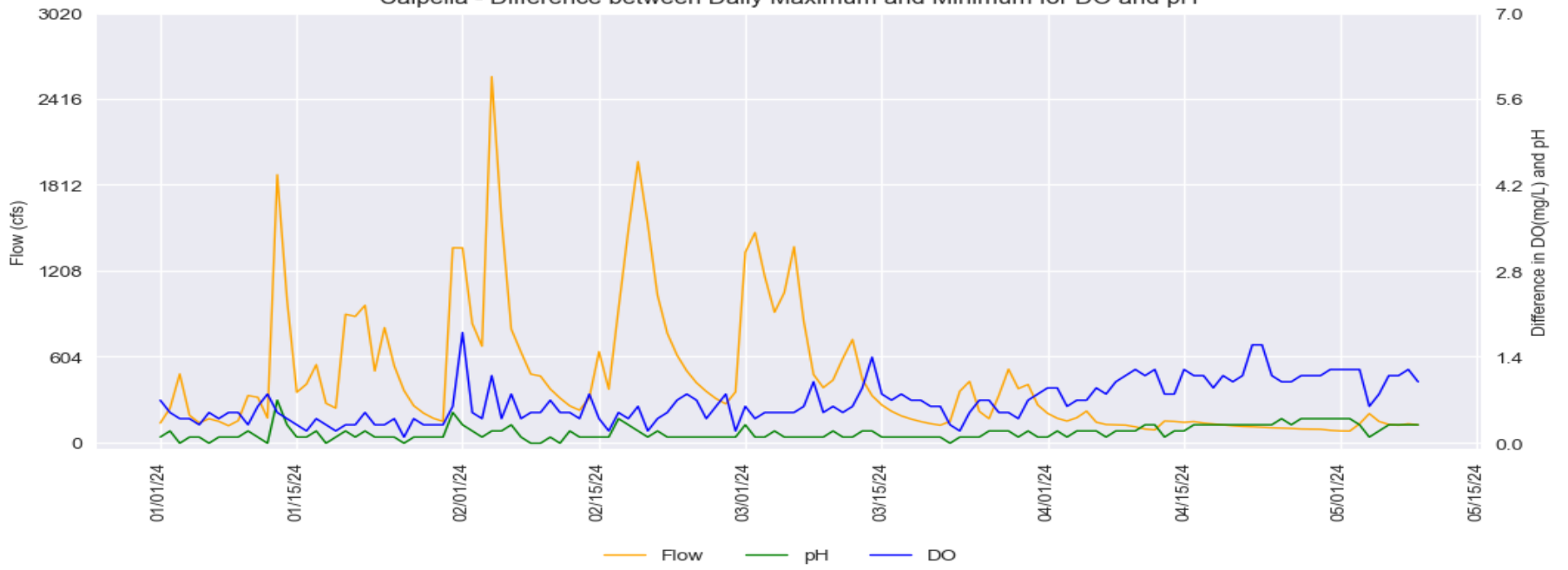
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

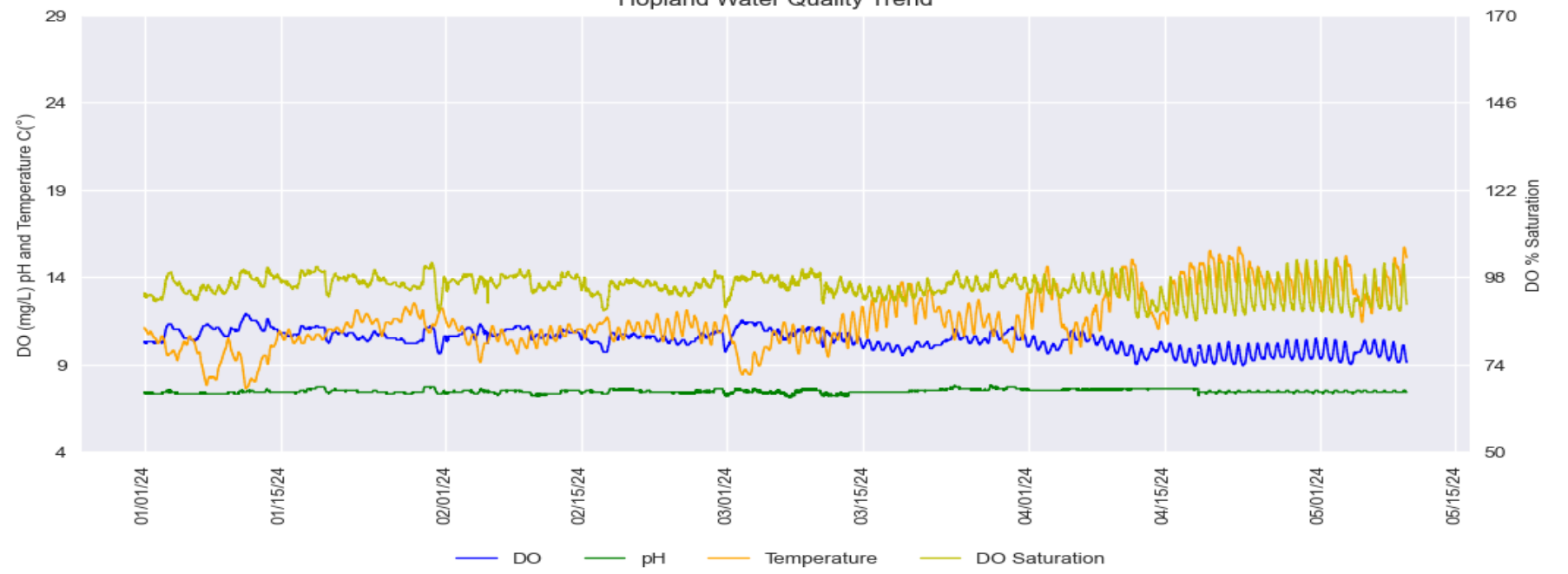


Calpella - Difference between Daily Maximum and Minimum for DO and pH

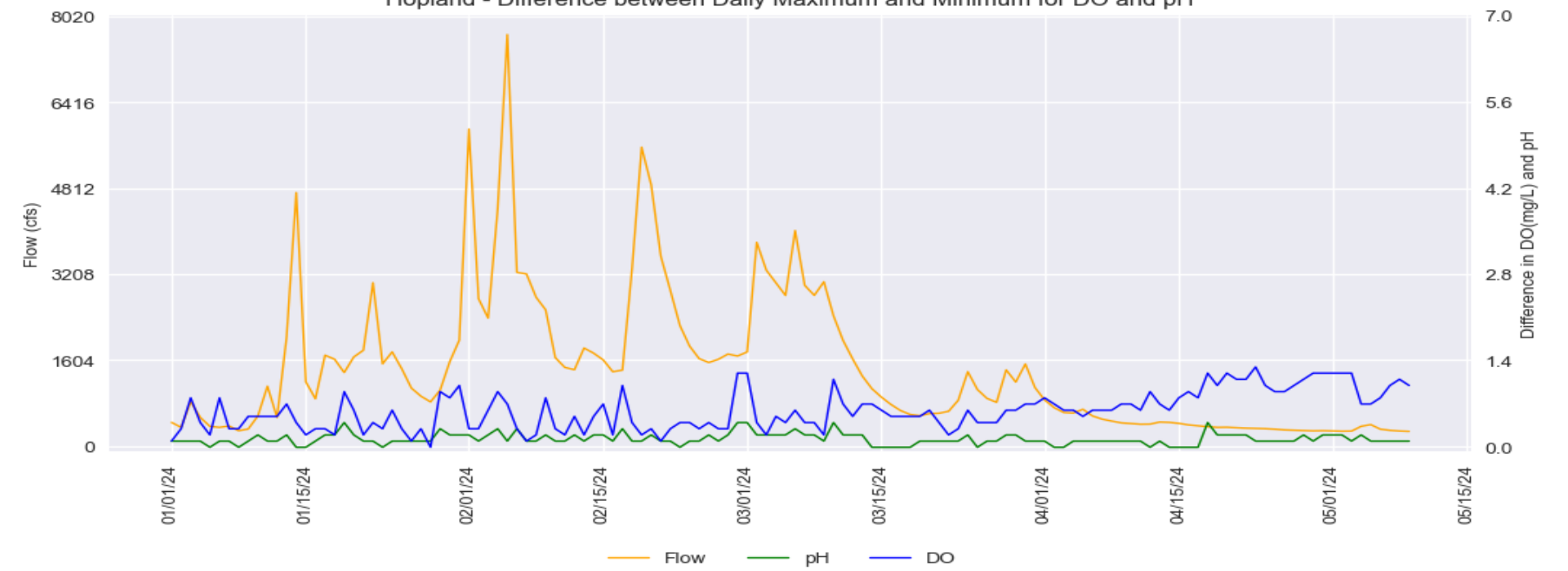


Hopland

Hopland Water Quality Trend



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

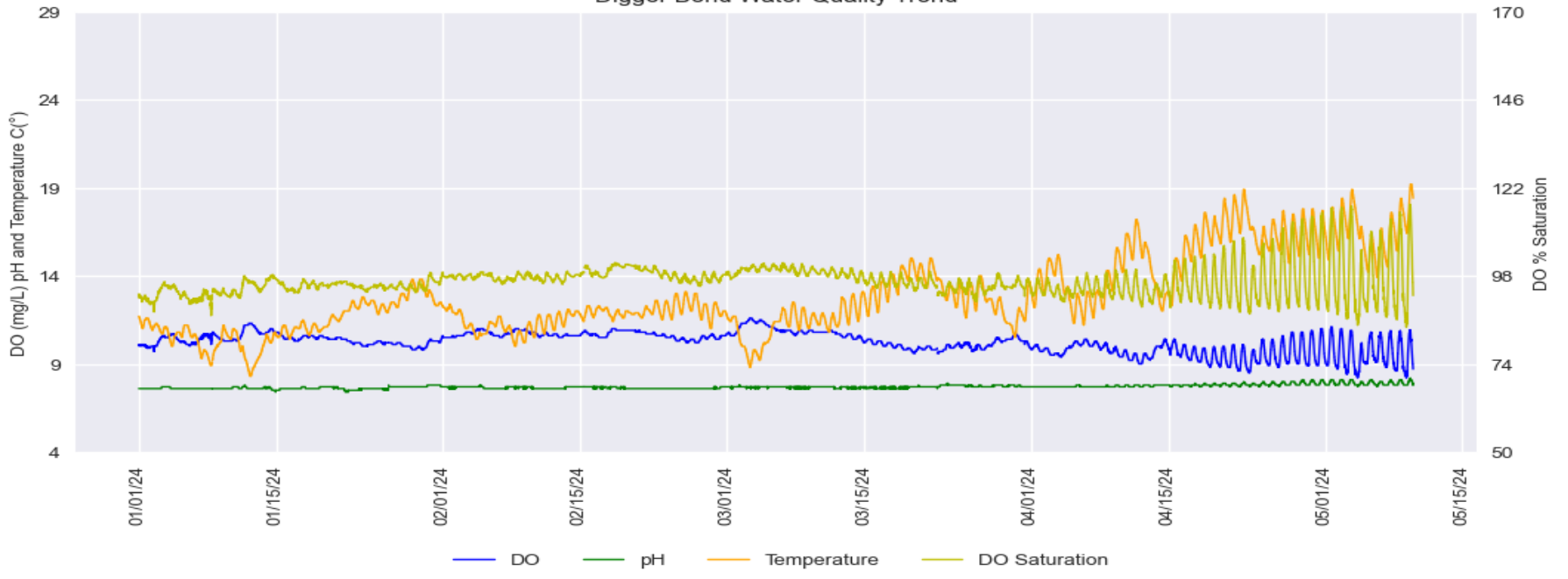


Russian River Water Quality January 1, 2024 – May 9, 2024

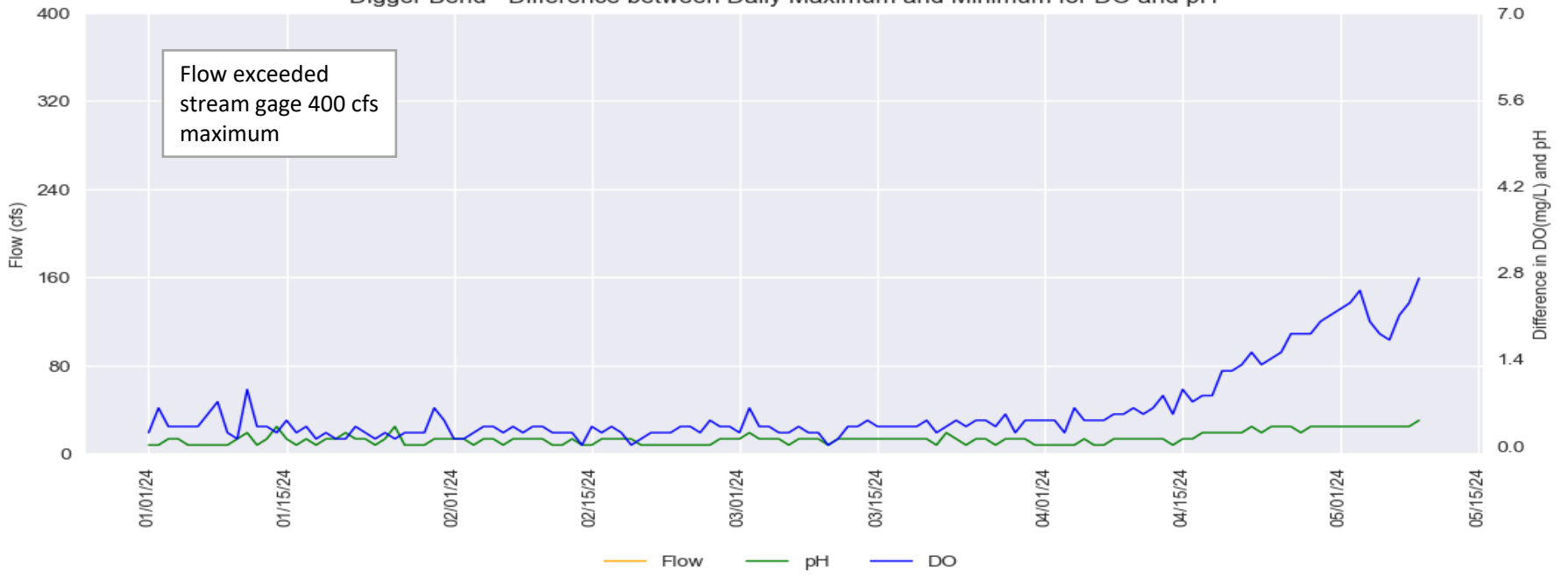
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

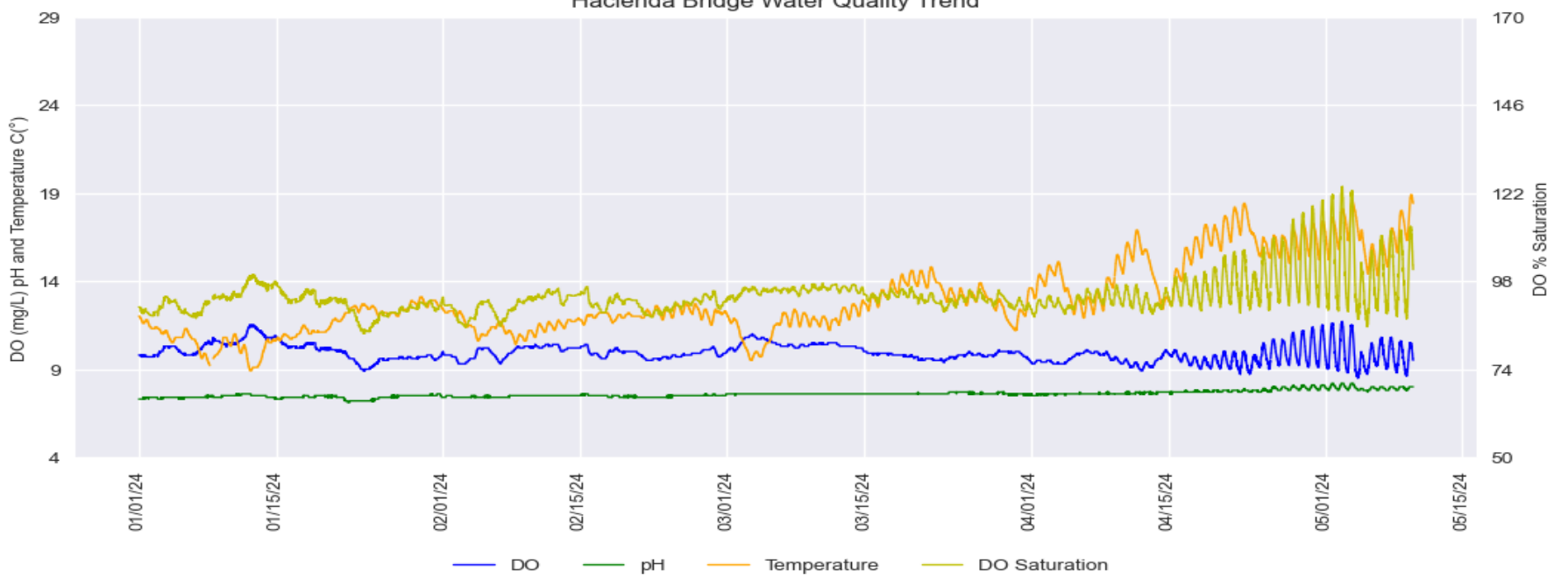


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

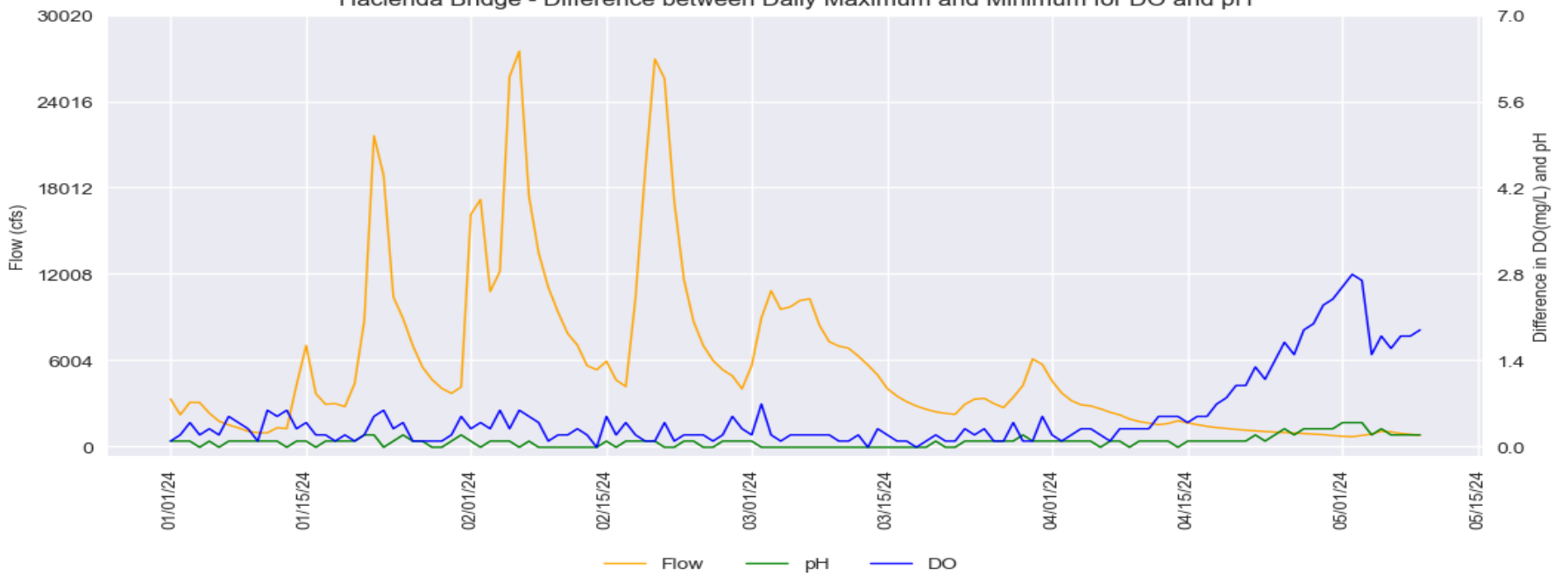


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

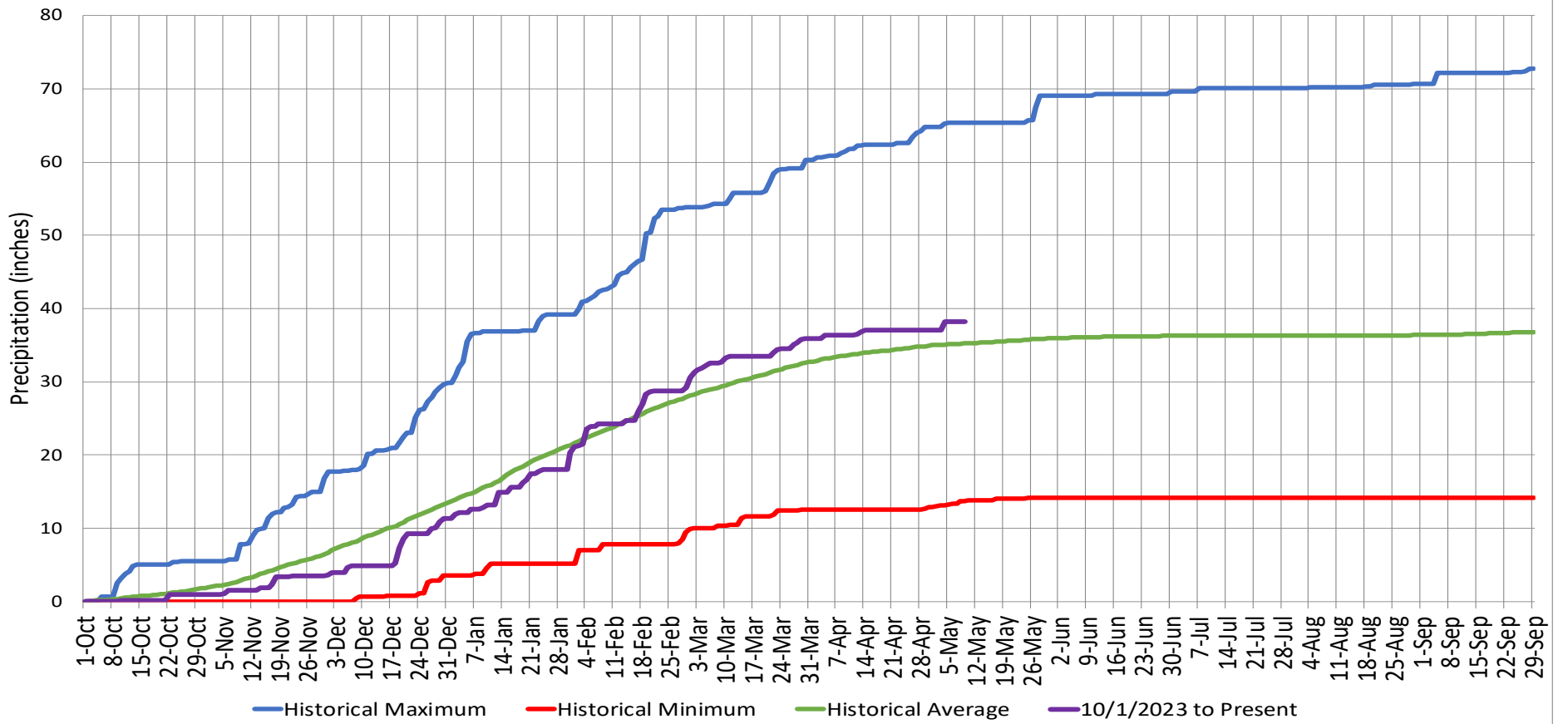


Precipitation

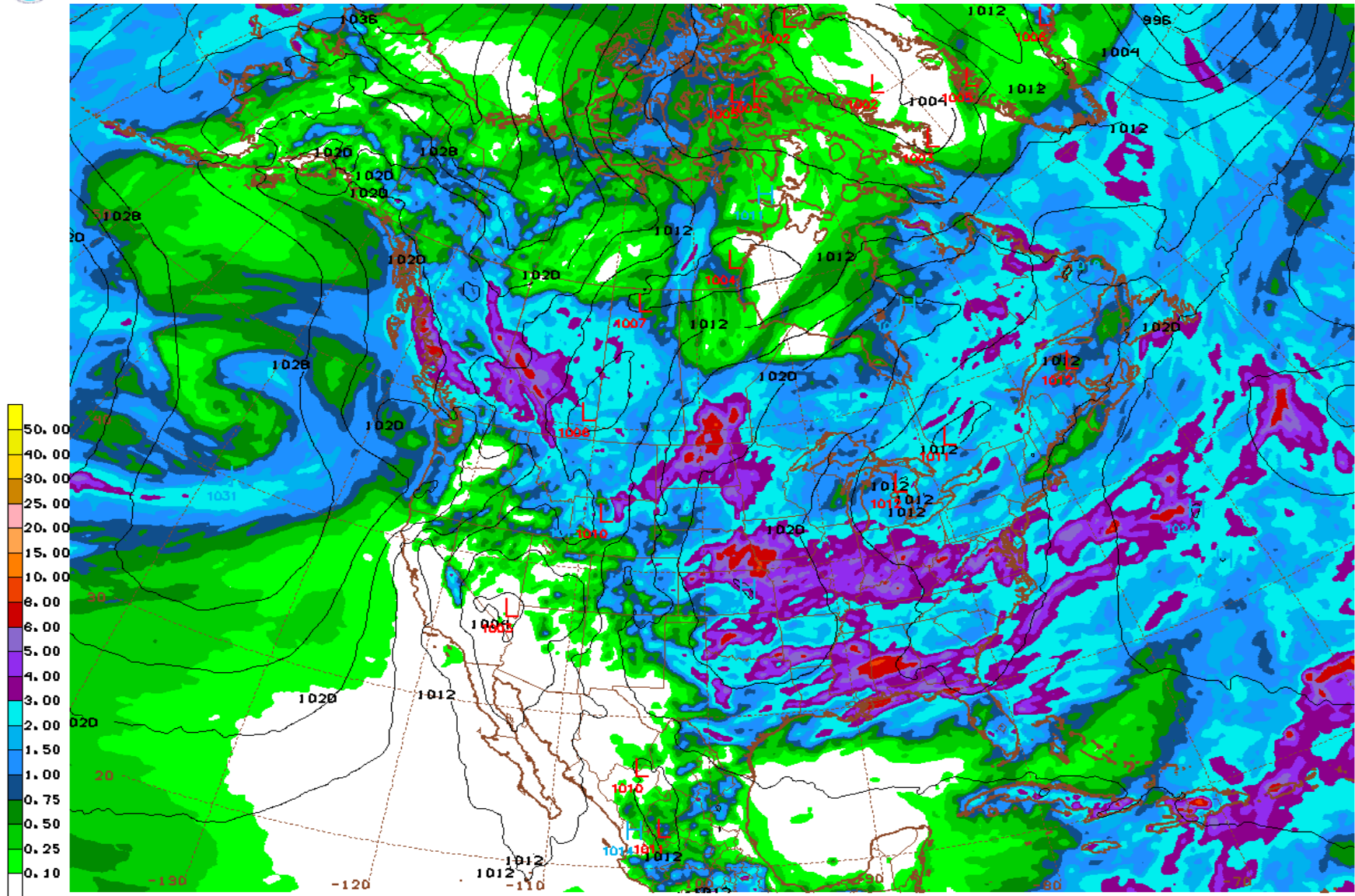
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - May 9, 2024	38.22
Last 7 Days*	1.15

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 05/13/24 12UTC 384HR FCST VALID WED 05/29/24 12UTC NOAA/NWS/NCEP



6FS WED 240529/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)
 Date Range: May 13 - May 29, 2024
 Forecasted Cumulative (inches): **0.00**