



State Water Resources Control Board
 Temporary Urgency Change Orders (12/27/2023 & 6/6/2024)
 Russian River Hydrologic & Water Quality Report
 June 7, 2024 - June 13, 2024

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

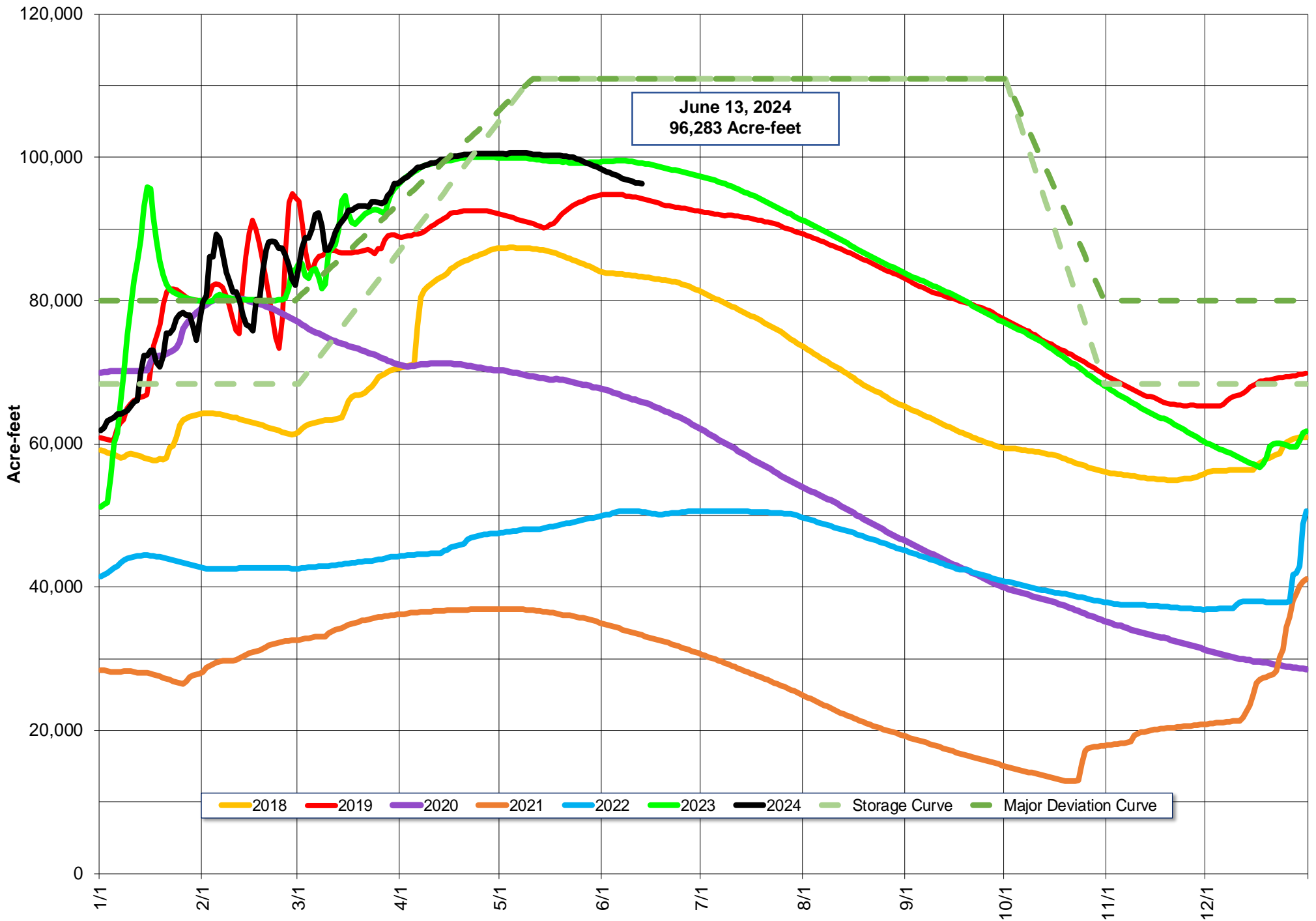
Instream Flow Requirements as of June 13, 2024

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	110	125
D-1610: Normal Condition	Dry Creek	80	-
Modified Per Order: Normal Condition	Lower Russian River	60	70

Upper and Lower Russian River are based on criteria as established in the Order issued 6/6/2024.

Lake Mendocino

Lake Mendocino Storage 2018 - 2024 and Storage Curve



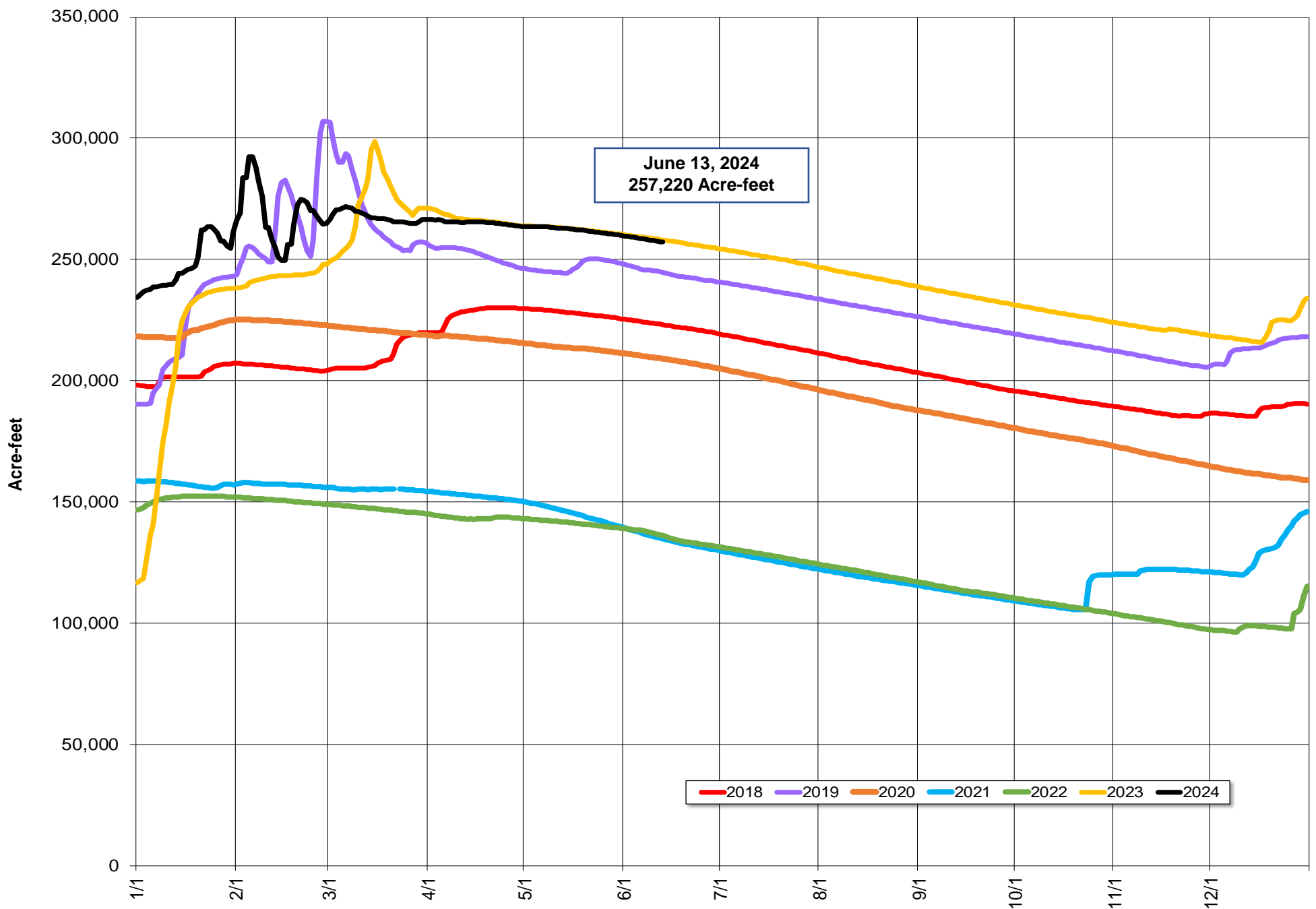
Storage (acre-feet)	June 13, 2024	96,283	
Change in Storage (acre-feet)	Last 30 days	-4,041	-135
	Last 7 days	-763	-109
Daily Inflow (cfs)	Last 7 days	Min	67
		Max	99
		Mean	91
Release (cfs)	Last 7 days	Min	131
		Max	181
		Mean	143

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	June 13, 2024	257,220	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	-5,547	-185
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	40
		Mean	18
Release (cfs)	Last 7 days	Min	97
		Max	98
		Mean	98

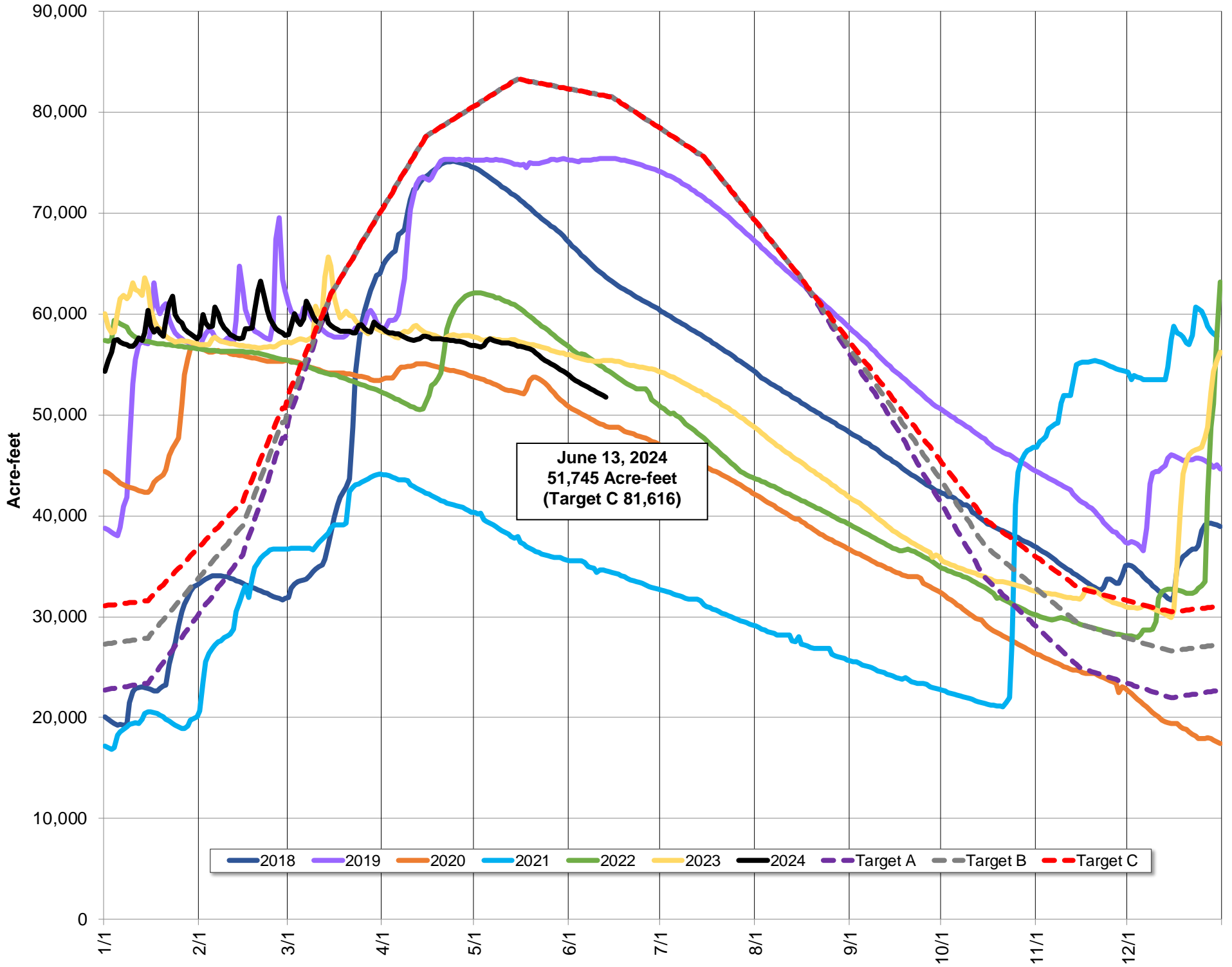
Potter Valley Project

PVP Diversion (cfs)	June 13, 2024	103
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - June 13, 2024	483,051	1,880
	Last 7 days	1,213	173

*Inflow calculation based on criteria established in D1610

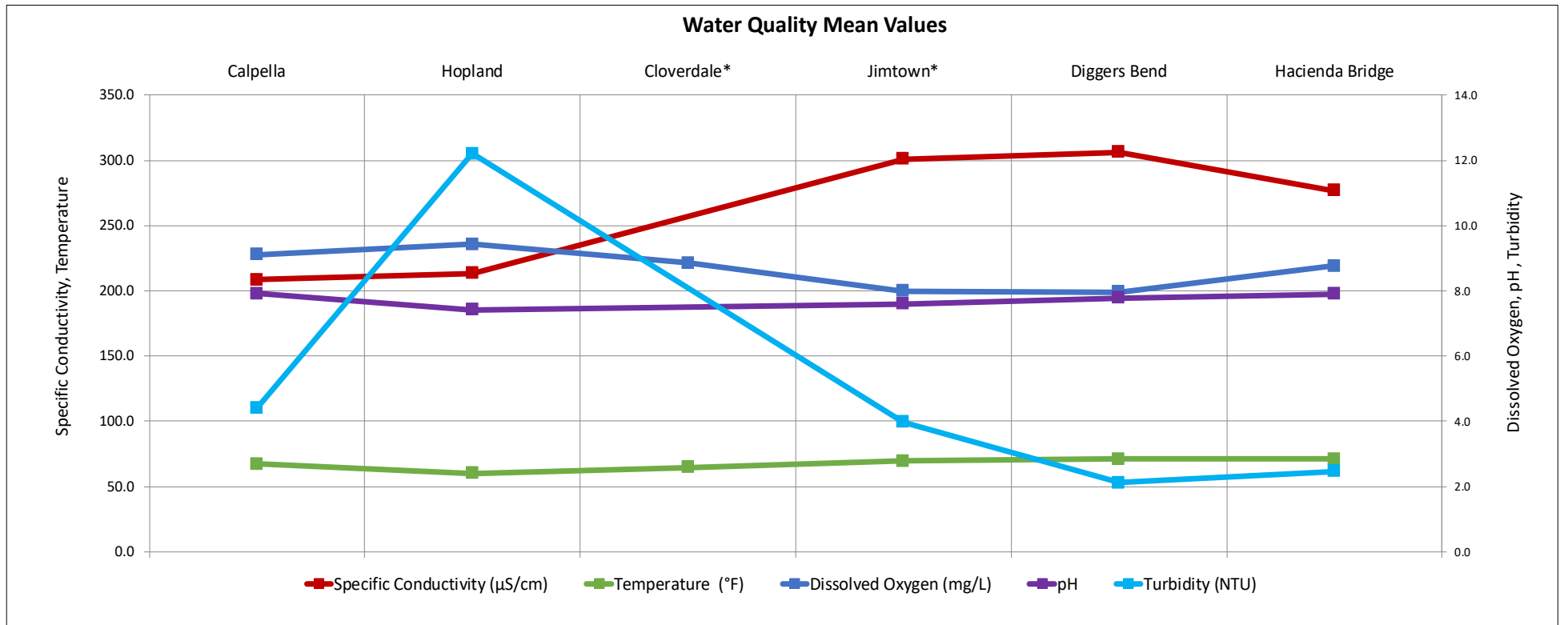
Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios



Russian River Flows (June 7, 2024 - June 13, 2024)

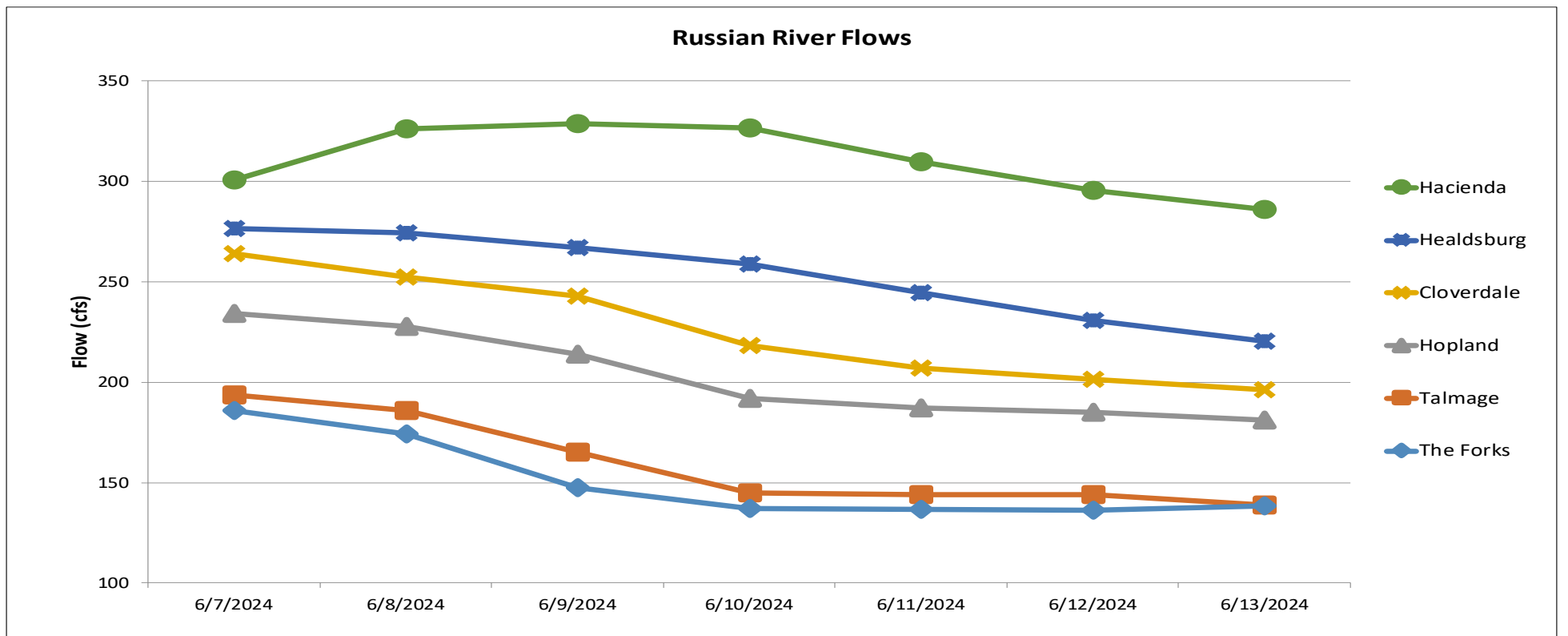
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	63.7	57.2	61.0	66.2	67.6		68.7	
	Max	70.7	63.1	69.3	73.9	74.8		74.3	
	Mean	67.1	60.2	64.7	69.6	71.0		71.0	
Specific Conductivity (µS/cm)	Min	198.0	206.0		292.0	301.0		272.0	
	Max	216.0	220.0		316.0	318.0		284.0	
	Mean	208.7	213.4		300.9	306.5		276.7	
Dissolved Oxygen (mg/L)	Min	8.6	8.7	7.6	6.9	6.6		7.4	
	Max	9.7	10.4	10.1	9.6	9.5		10.0	
	Mean	9.1	9.4	8.9	8.0	8.0		8.8	
Dissolved Oxygen (% Saturation)	Min	94.6	87.2	81.2	75.6	74.3		82.5	
	Max	106.8	106.4	109.8	110.7	110.5		115.5	
	Mean	99.1	94.9	93.9	89.6	90.7		99.7	
pH	Min	7.7	7.3		7.5	7.6		7.7	
	Max	8.1	7.5		7.8	8.0		8.1	
	Mean	7.9	7.4		7.6	7.8		7.9	
Turbidity (NTU)	Min	3.4	9.2		2.2	1.3		1.6	
	Max	5.6	14.2		5.8	3.7		4.7	
	Mean	4.4	12.2		4.0	2.1		2.5	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jun 7, 2024	Jun 8, 2024	Jun 9, 2024	Jun 10, 2024	Jun 11, 2024	Jun 12, 2024	Jun 13, 2024
The Forks*	186	174	148	137	137	136	138
Talmage USGS 11462080	193	186	165	145	144	144	139
Hopland USGS 11462500	234	228	214	192	187	185	181
Cloverdale USGS 11463000	264	252	243	218	207	201	196
Healdsburg USGS 11464000	276	274	267	259	244	231	220
Hacienda USGS 11467000	301	326	329	327	310	295	286

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

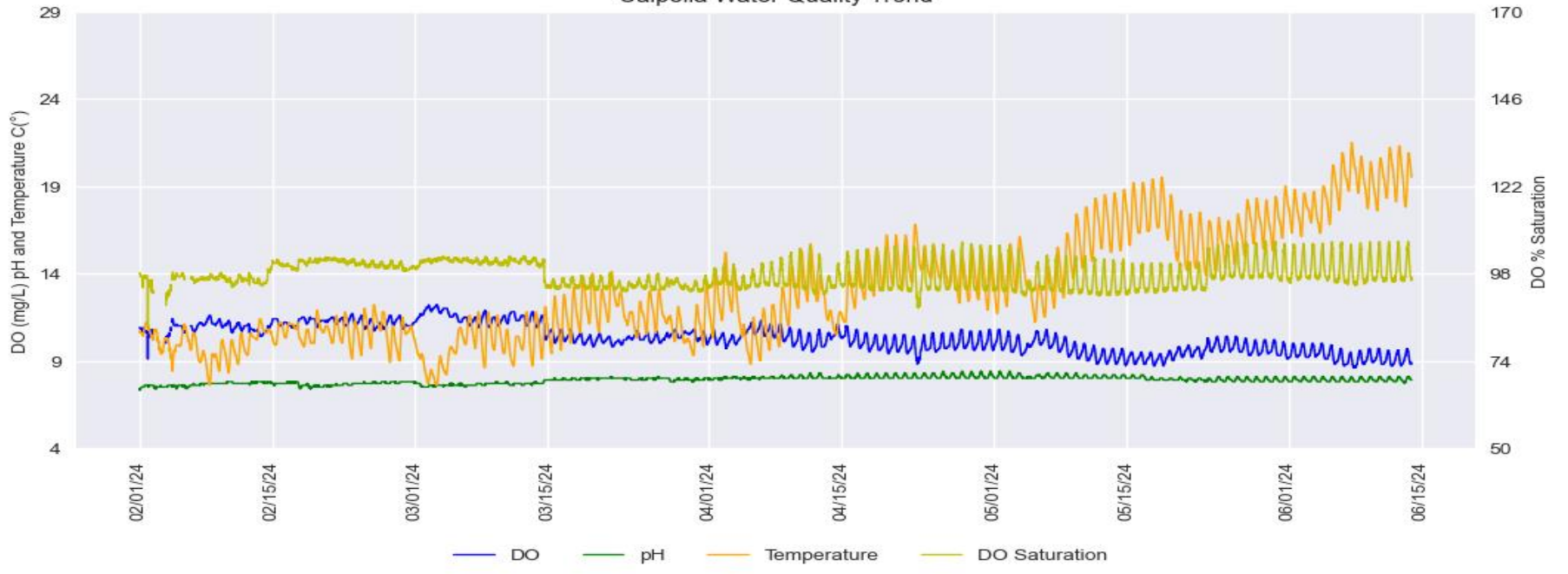


Russian River Water Quality February 1, 2024 – June 13, 2024

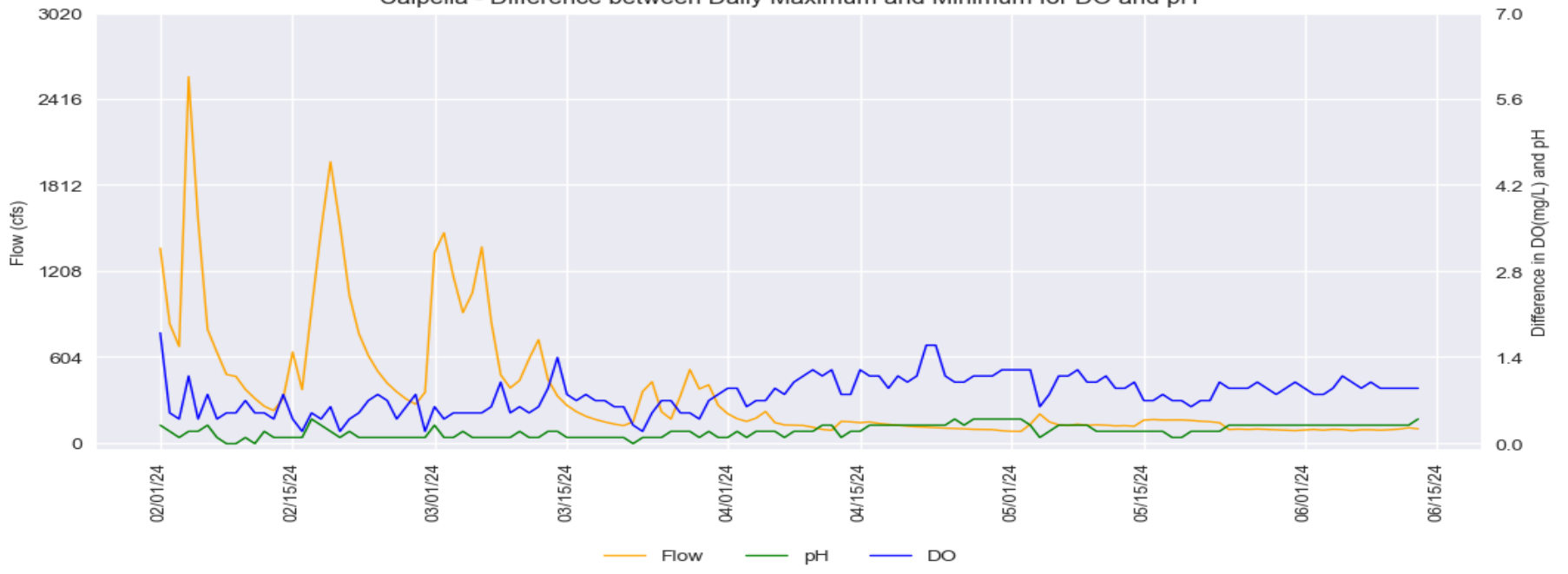
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

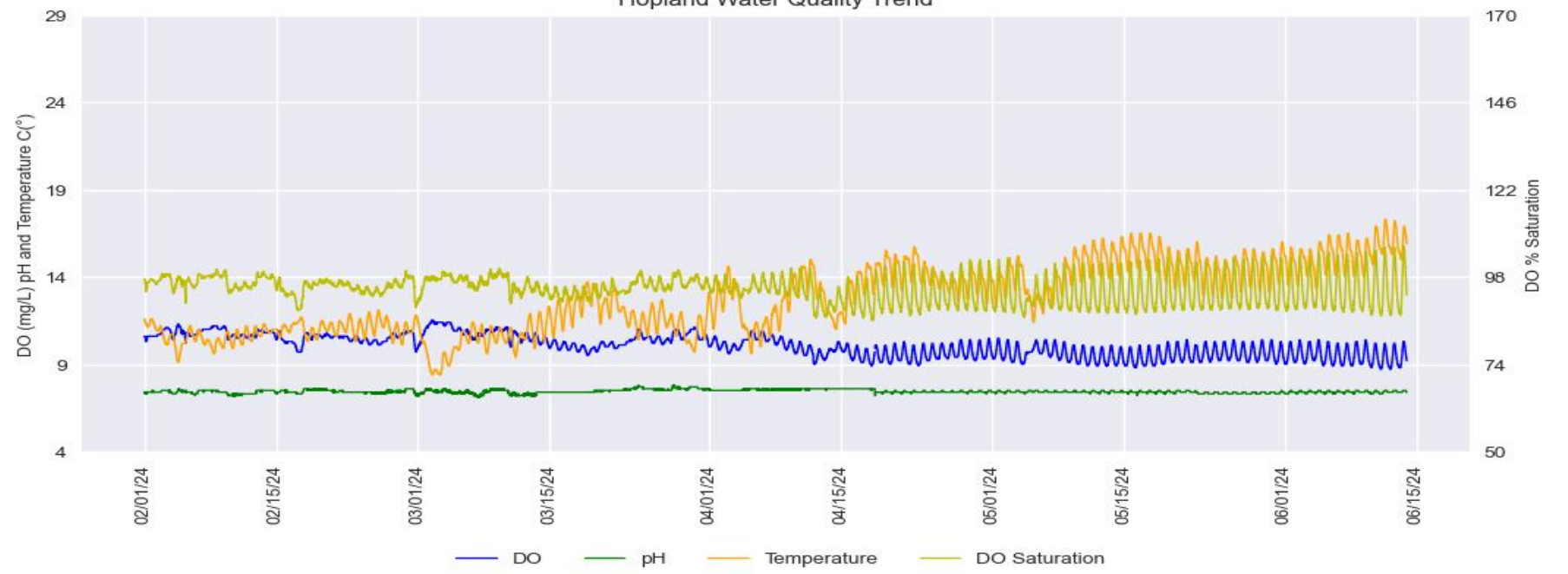


Calpella - Difference between Daily Maximum and Minimum for DO and pH

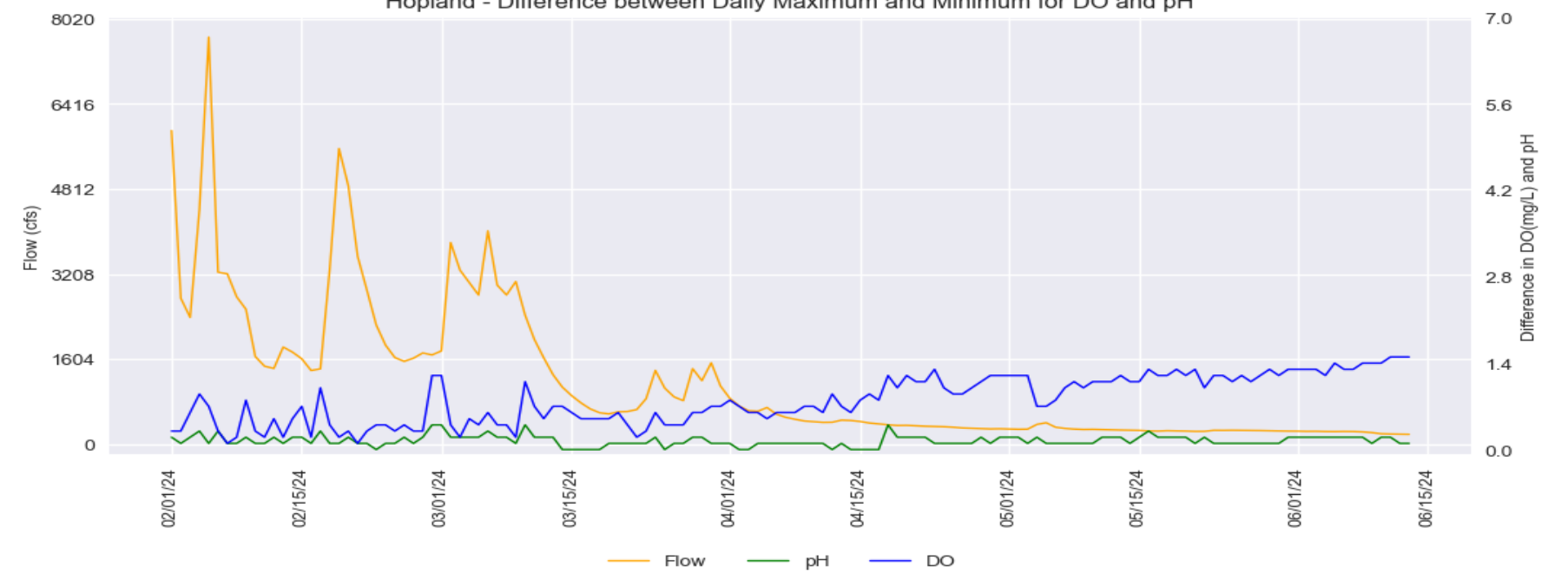


Hopland

Hopland Water Quality Trend



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

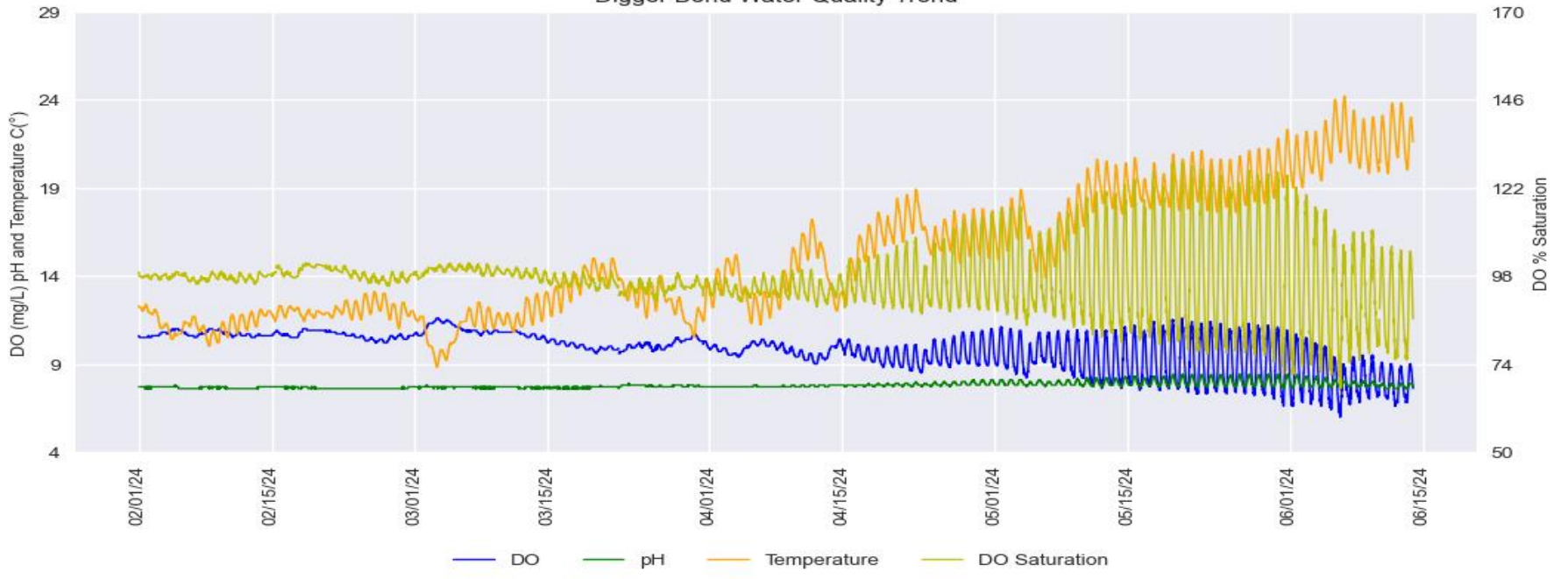


Russian River Water Quality February 1, 2024 – June 13, 2024

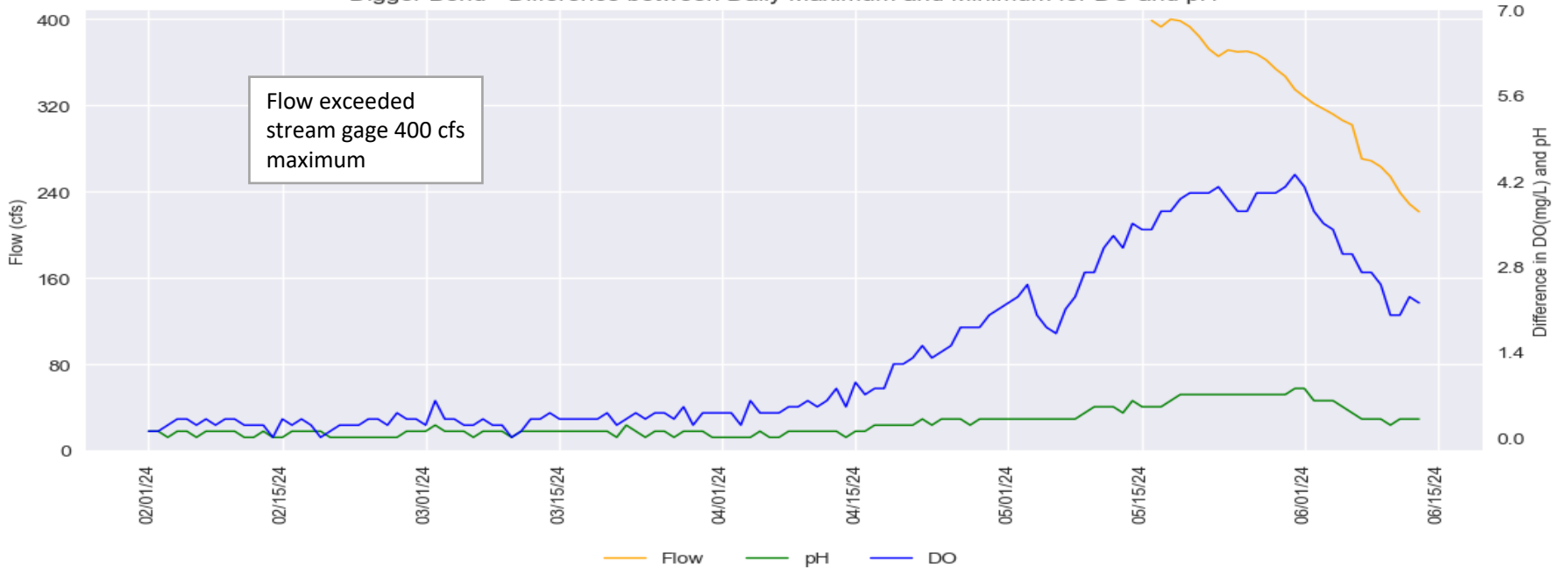
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

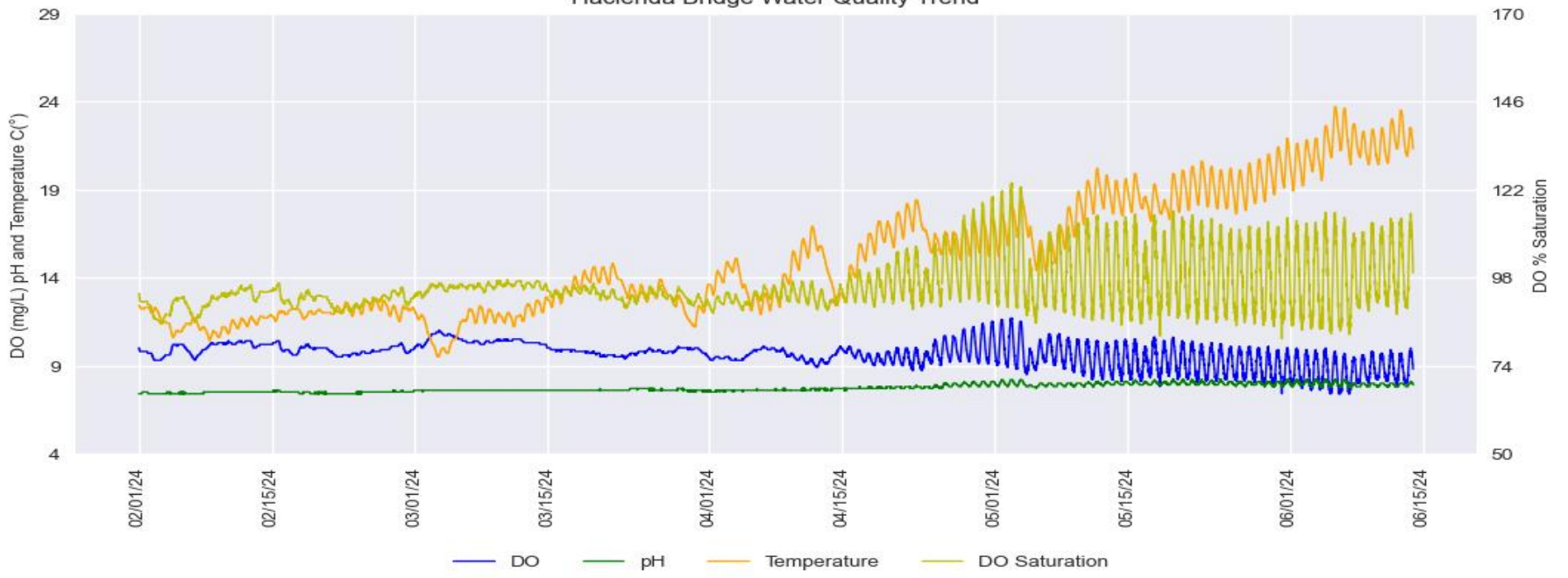


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

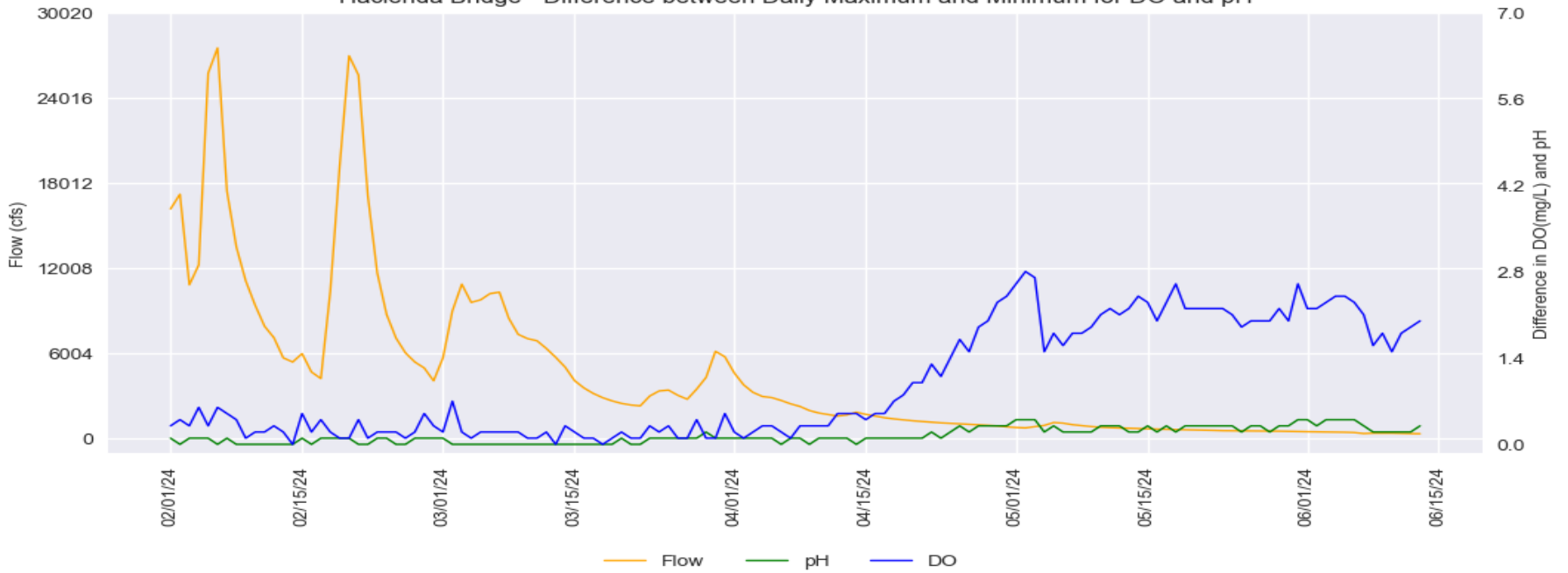


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

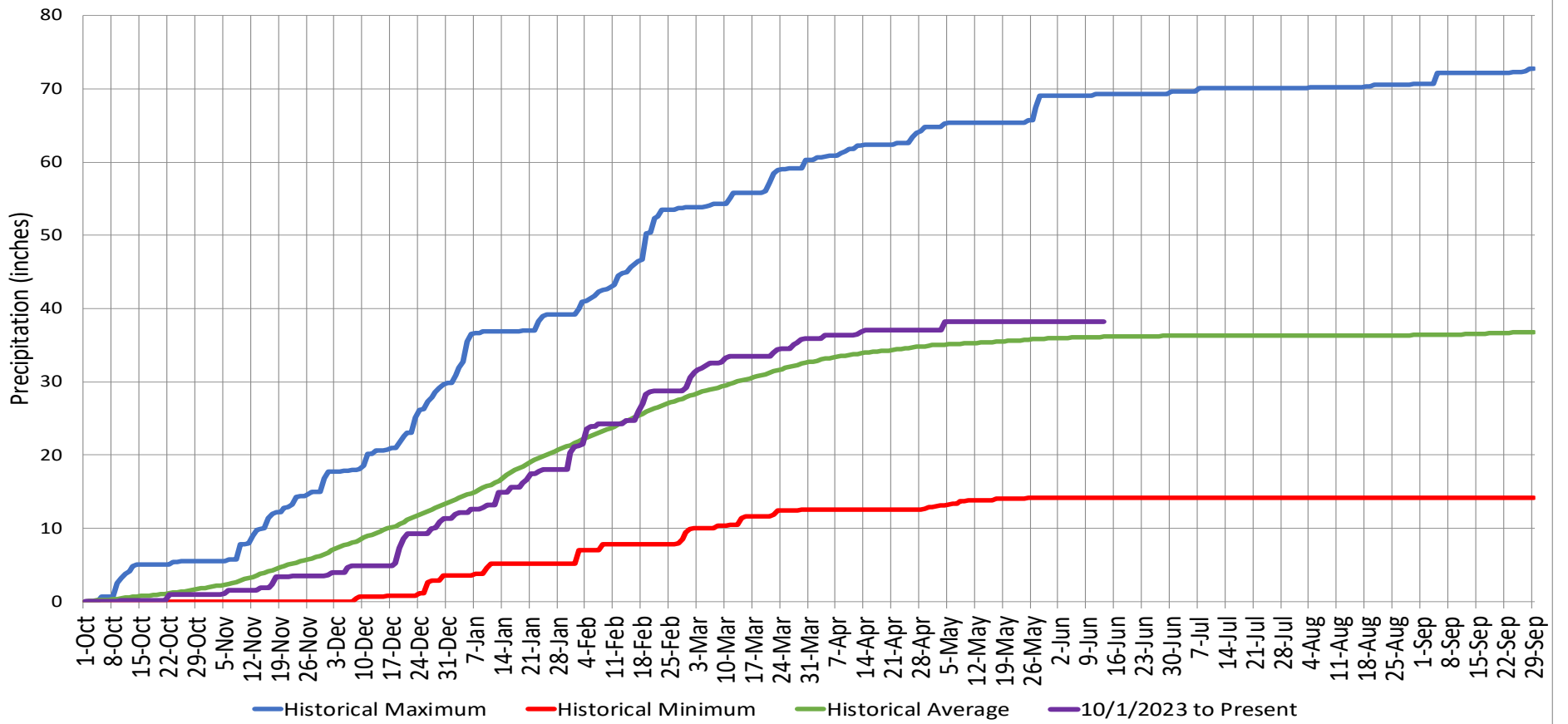


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

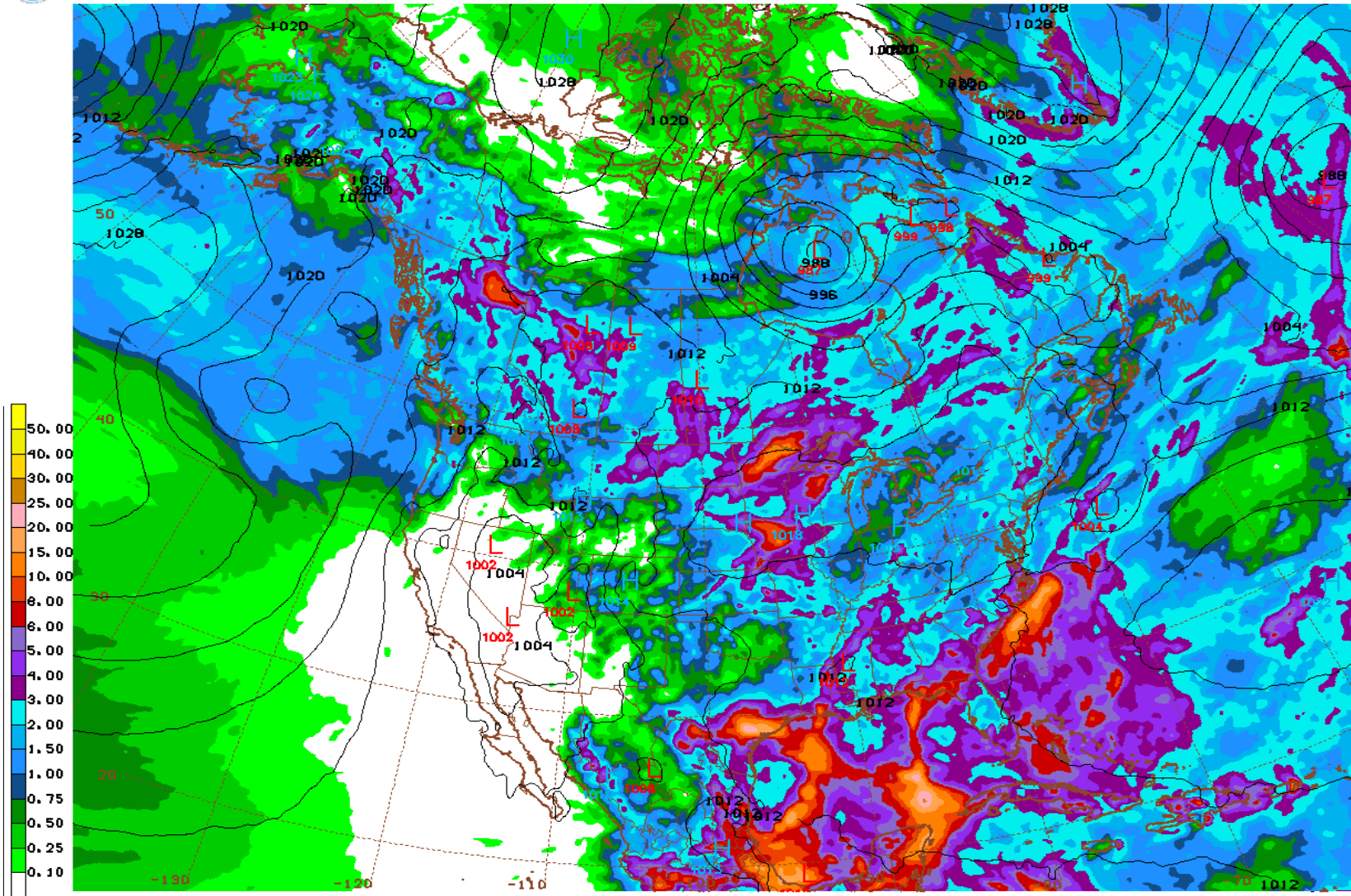
Date Range	Cumulative (inches)
Oct 1, 2023 - Jun 13, 2024	38.22
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 06/17/24 12UTC 384HR FCST VALID WED 07/03/24 12UTC NOAA/NWS/NCEP



6FS_WED_240703/1200V384_EMSL_(4MB)_384HR_ACCUMULATED_PRECIP_(IN)

Date Range
Jun 17 - Jul 3, 2024

Forecasted Cumulative (inches)
0.00