



State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 April 19, 2024 - April 25, 2024

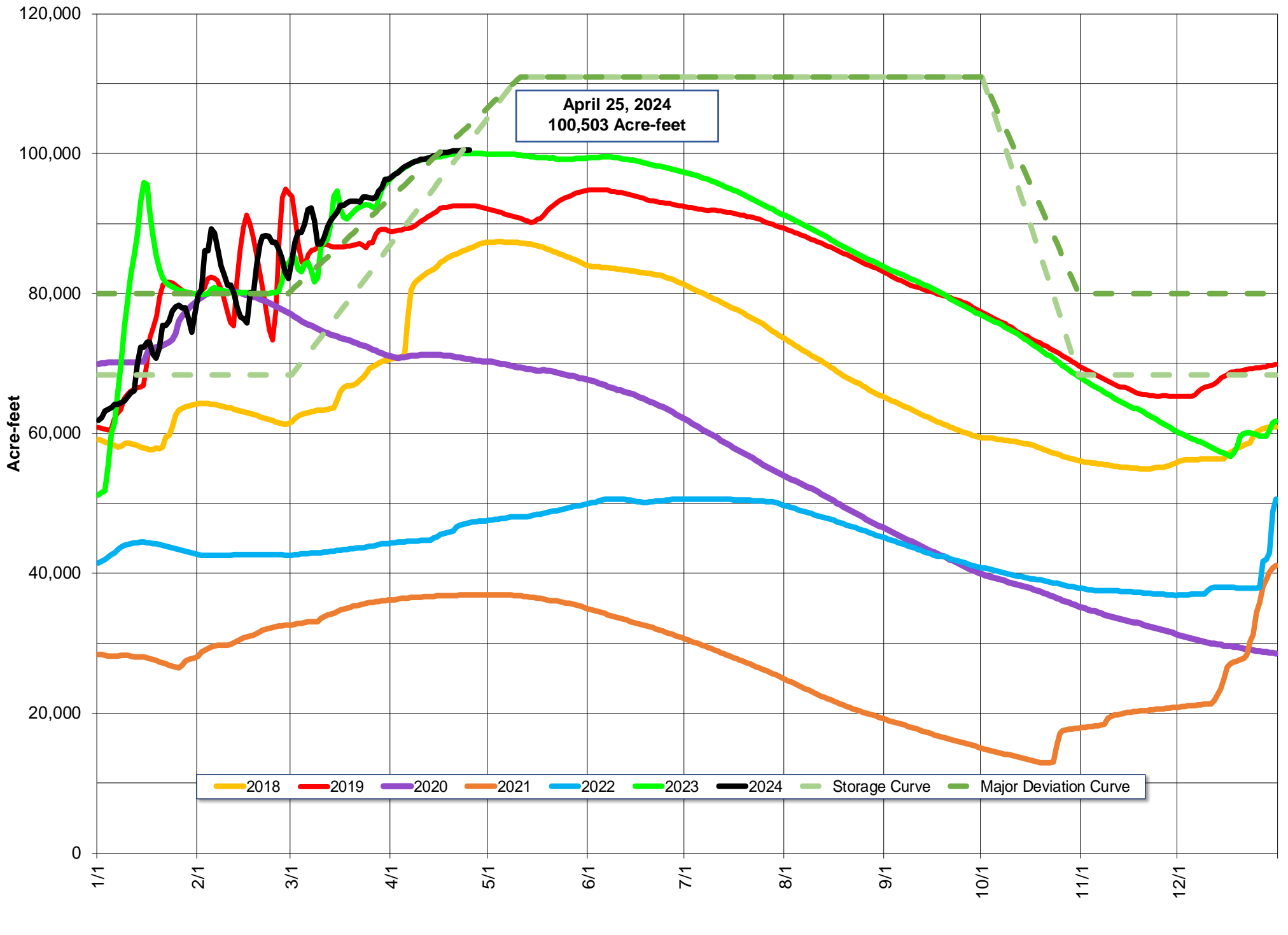
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of April 25, 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	75	-
Modified Per Order: Normal Condition	Lower Russian River	125	-

Lake Mendocino

Lake Mendocino Storage 2018 - 2024 and Storage Curve



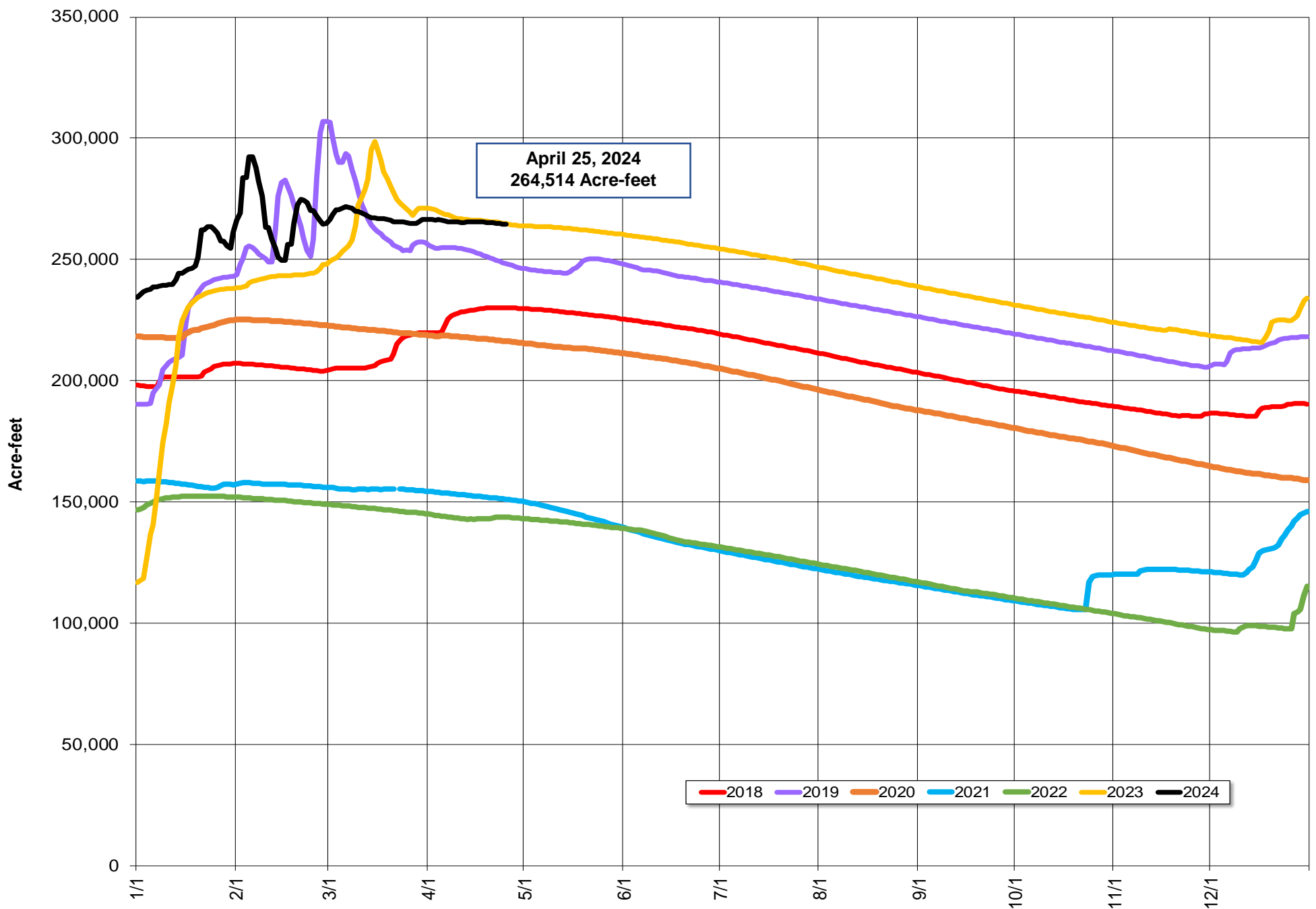
Storage (acre-feet)	April 25, 2024	100,503	
Change in Storage (acre-feet)	Last 30 days	6,947	232
	Last 7 days	179	26
Daily Inflow (cfs)	Last 7 days	Min	156
		Max	199
		Mean	171
Release (cfs)	Last 7 days	Min	134
		Max	151
		Mean	144

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	April 25, 2024	264,514	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-222	-7
	Last 7 days	-918	-131
Daily Inflow (cfs)	Last 7 days	Min	73
		Max	144
		Mean	165
Release (cfs)	Last 7 days	Min	175
		Max	181
		Mean	178

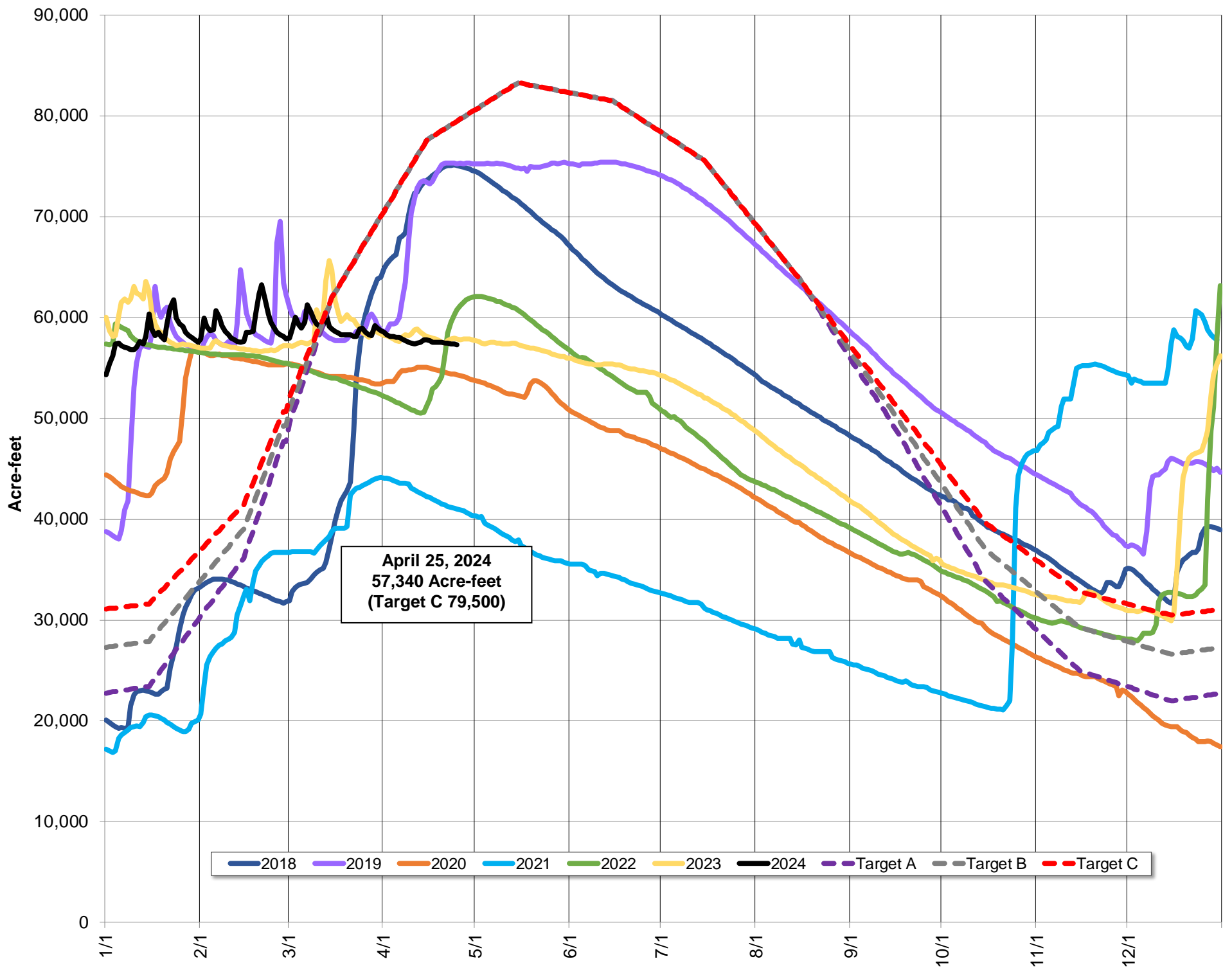
Potter Valley Project

PVP Diversion (cfs)	April 25, 2024	90
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - April 25, 2024	450,879	2,168
	Last 7 days	9,316	1,331

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios

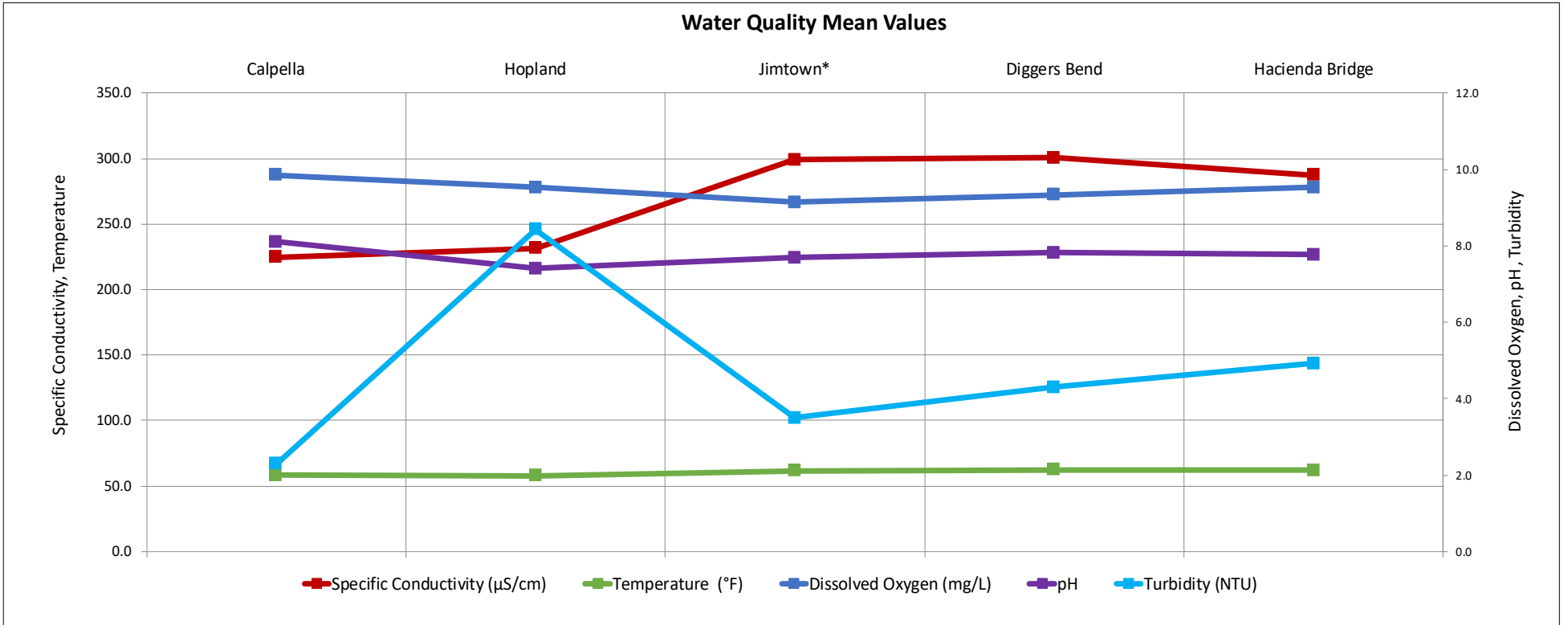


Russian River Flows (April 19, 2024 - April 25, 2024)

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	55.4	55.8		58.8	59.4		59.5	
	Max	62.2	60.3		65.5	66.0		65.1	
	Mean	58.3	57.9		61.5	62.2		62.1	
Specific Conductivity (µS/cm)	Min	220.0	230.0		294.0	295.0		284.0	
	Max	237.0	235.0		301.0	304.0		289.0	
	Mean	224.9	231.7		299.0	300.6		287.3	
Dissolved Oxygen (mg/L)	Min	8.8	8.9		8.4	8.5		8.7	
	Max	10.6	10.3		10.2	10.4		10.7	
	Mean	9.9	9.5		9.1	9.3		9.5	
Dissolved Oxygen (% Saturation)	Min	88.5	87.3		85.3	87.6		89.3	
	Max	106.0	102.2		104.9	108.4		109.8	
	Mean	96.9	93.3		93.5	96.2		98.0	
pH	Min	8.0	7.3		7.6	7.7		7.7	
	Max	8.4	7.5		7.8	8.0		8.0	
	Mean	8.1	7.4		7.7	7.8		7.8	
Turbidity (NTU)	Min	0.8	6.1		2.9	3.0		2.8	
	Max	3.5	10.4		4.3	7.5		7.1	
	Mean	2.3	8.4		3.5	4.3		4.9	

*Station operated seasonally

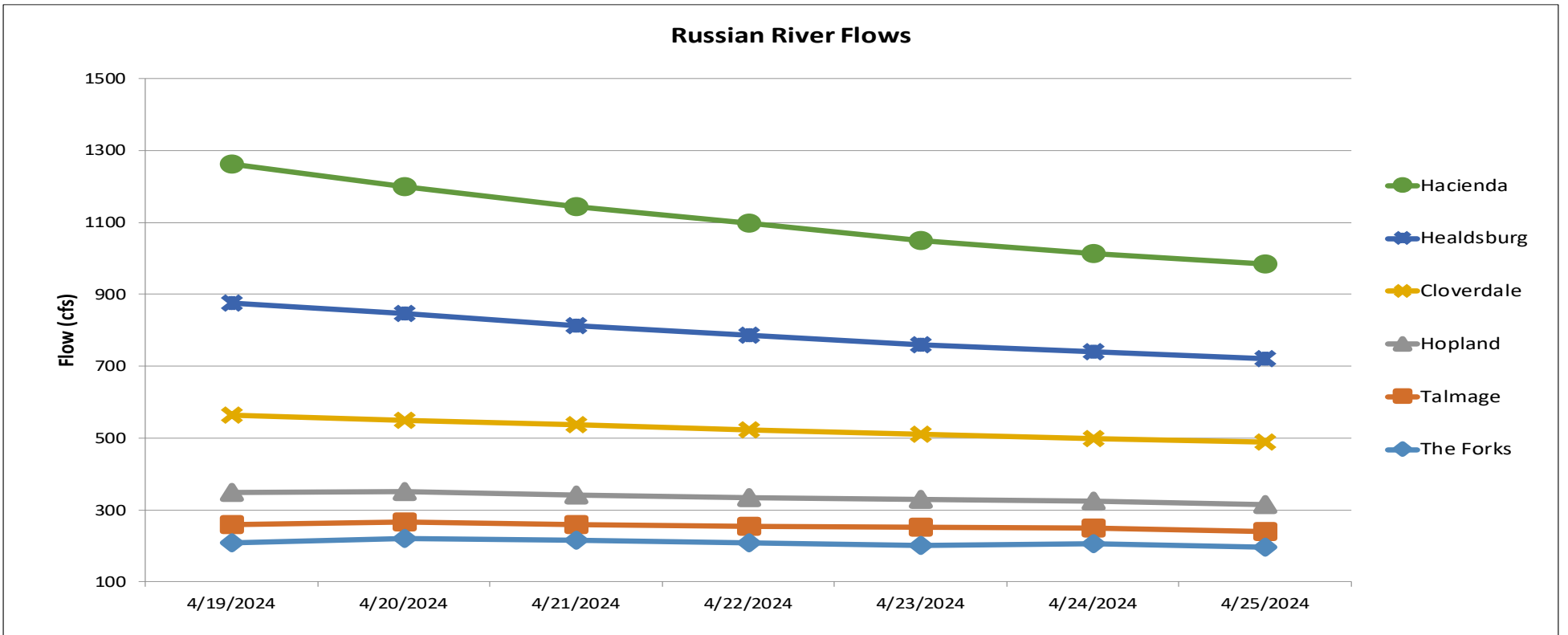
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Apr 19, 2024	Apr 20, 2024	Apr 21, 2024	Apr 22, 2024	Apr 23, 2024	Apr 24, 2024	Apr 25, 2024
The Forks*	209	220	215	208	201	206	197
Talmage USGS 11462080	259	267	260	255	253	249	239
Hopland USGS 11462500	349	351	342	335	330	325	316
Cloverdale USGS 11463000	564	549	536	524	511	499	490
Healdsburg USGS 11464000	877	846	813	786	758	739	722
Hacienda USGS 11467000	1262	1200	1145	1098	1050	1013	985

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

Russian River Flows

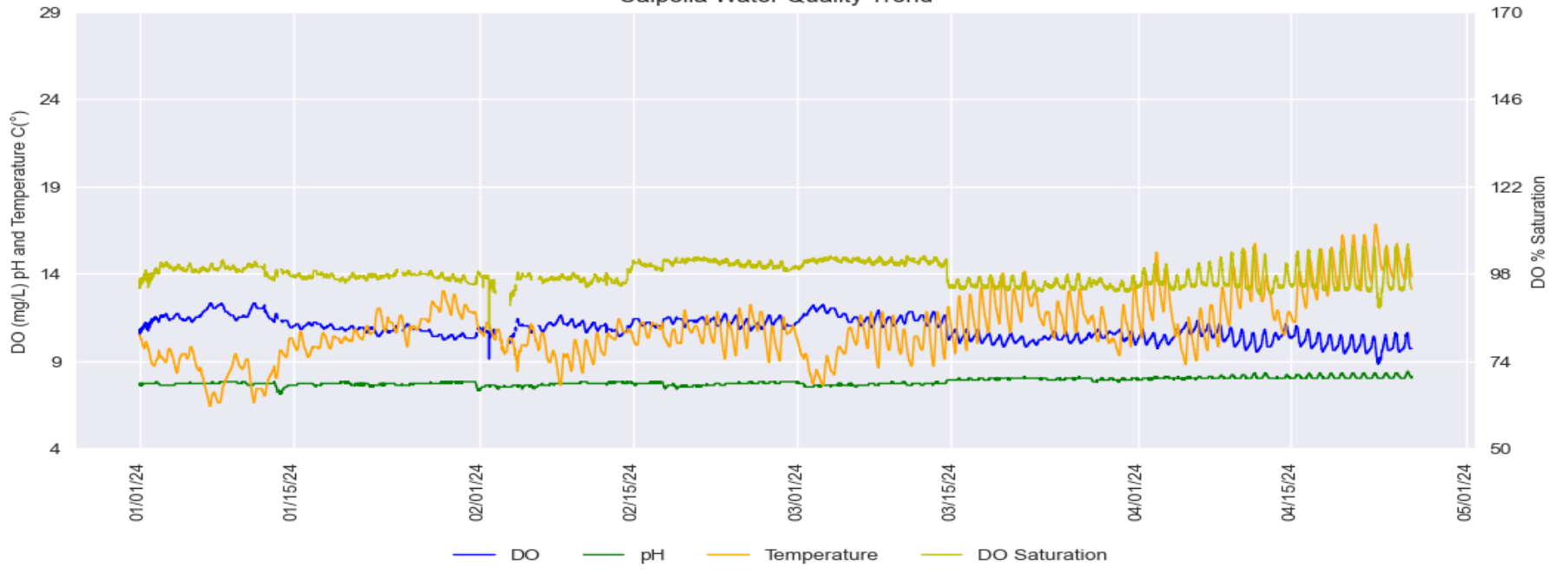


Russian River Water Quality January 1, 2024 – April 25, 2024

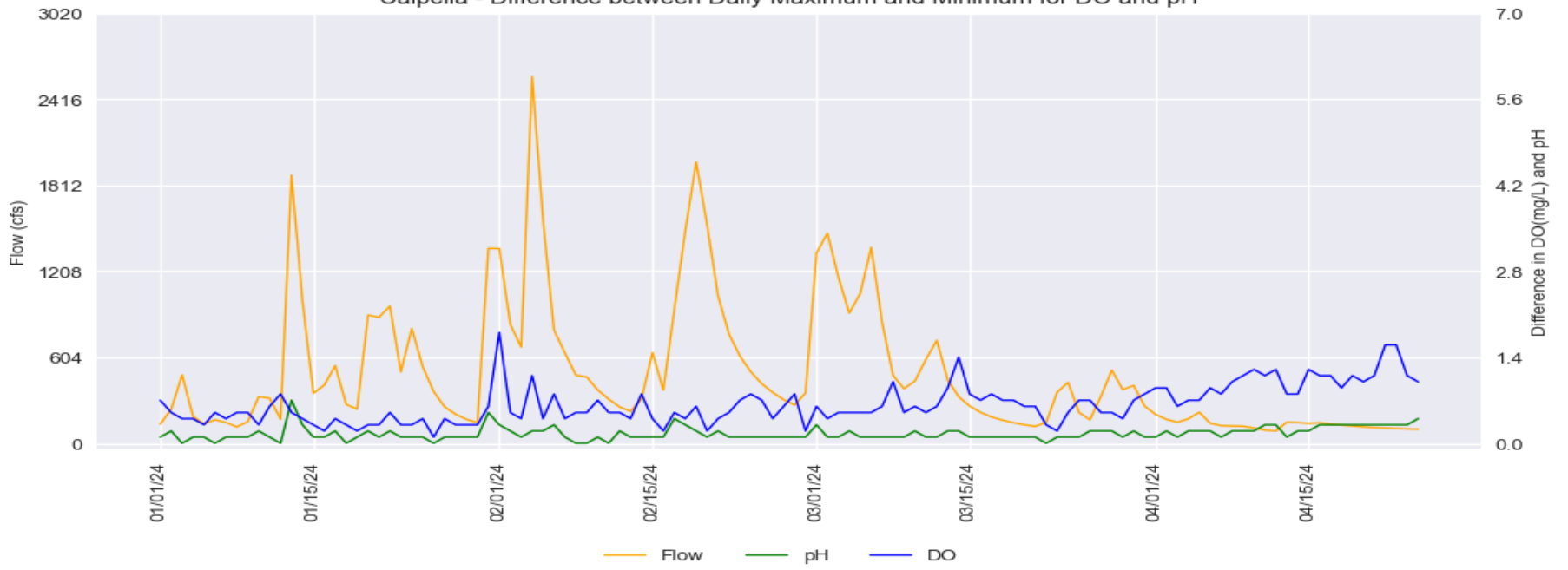
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

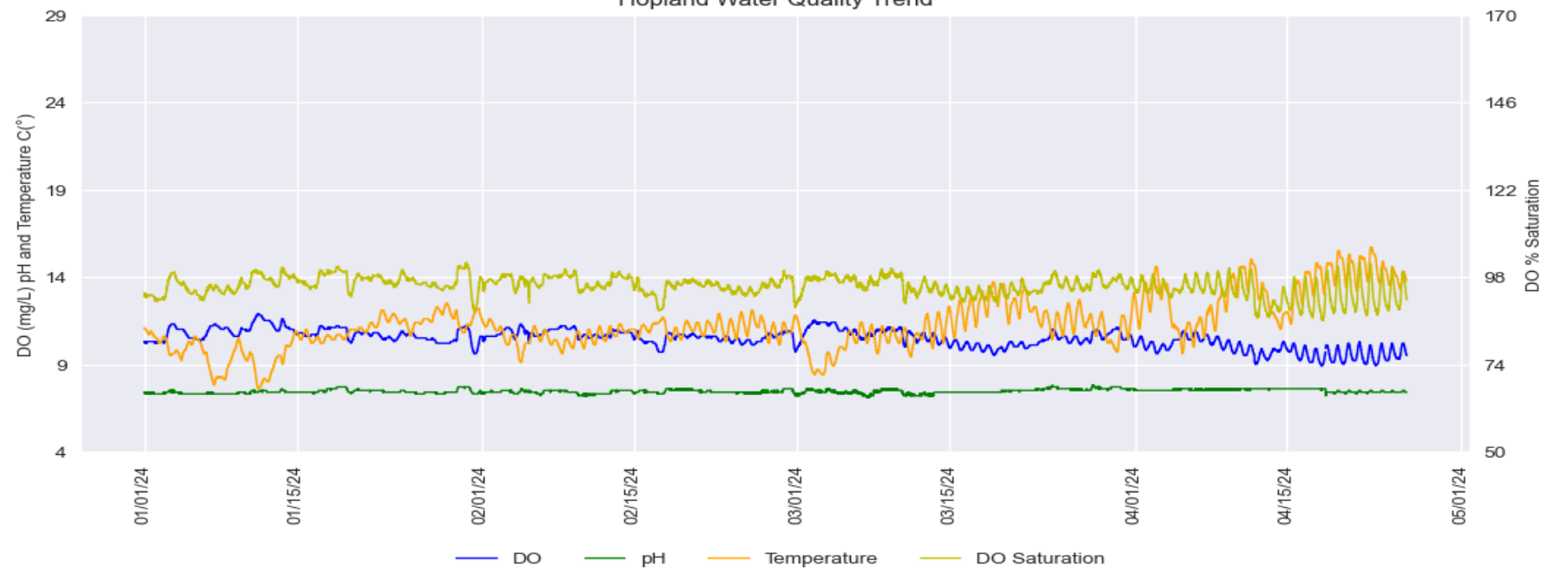


Calpella - Difference between Daily Maximum and Minimum for DO and pH

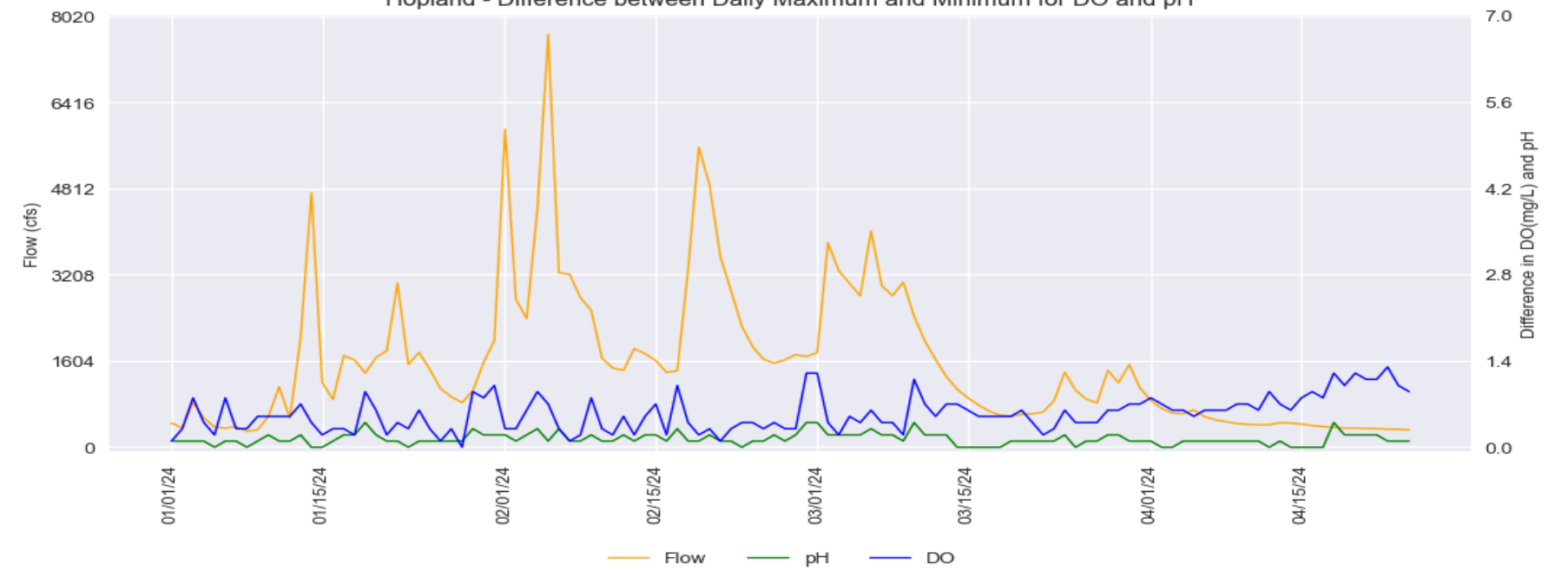


Hopland

Hopland Water Quality Trend



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

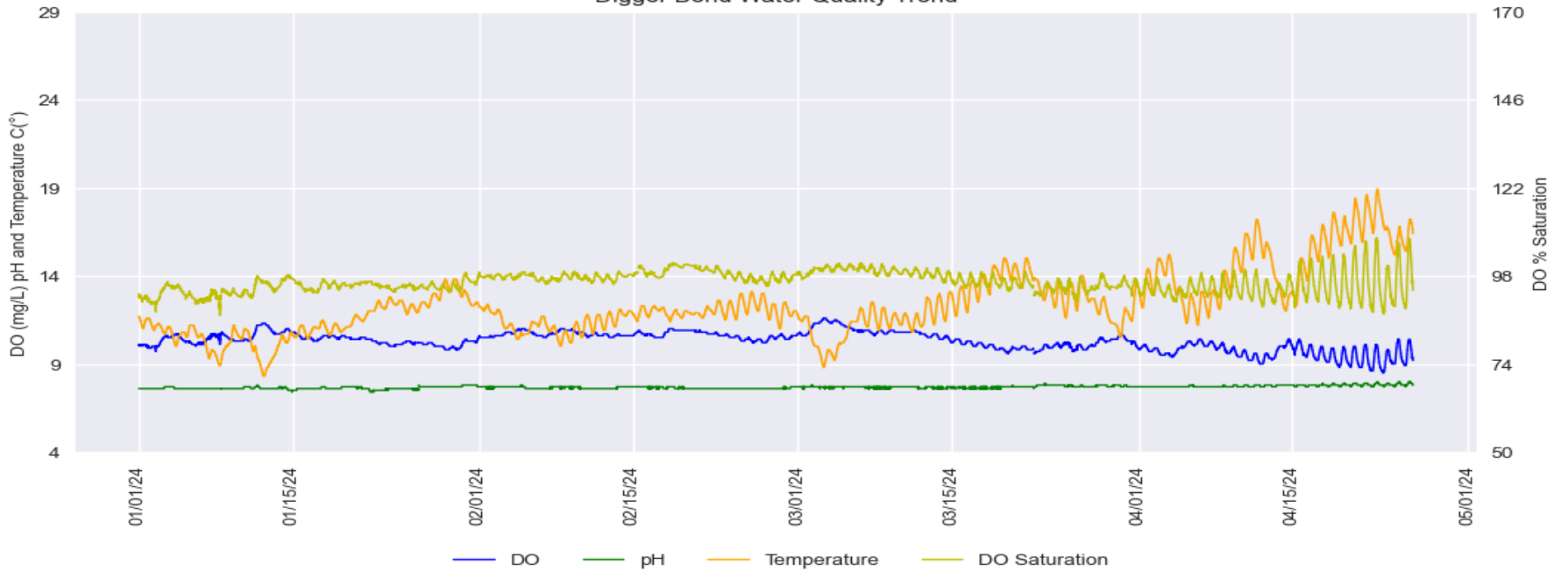


Russian River Water Quality January 1, 2024 – April 25, 2024

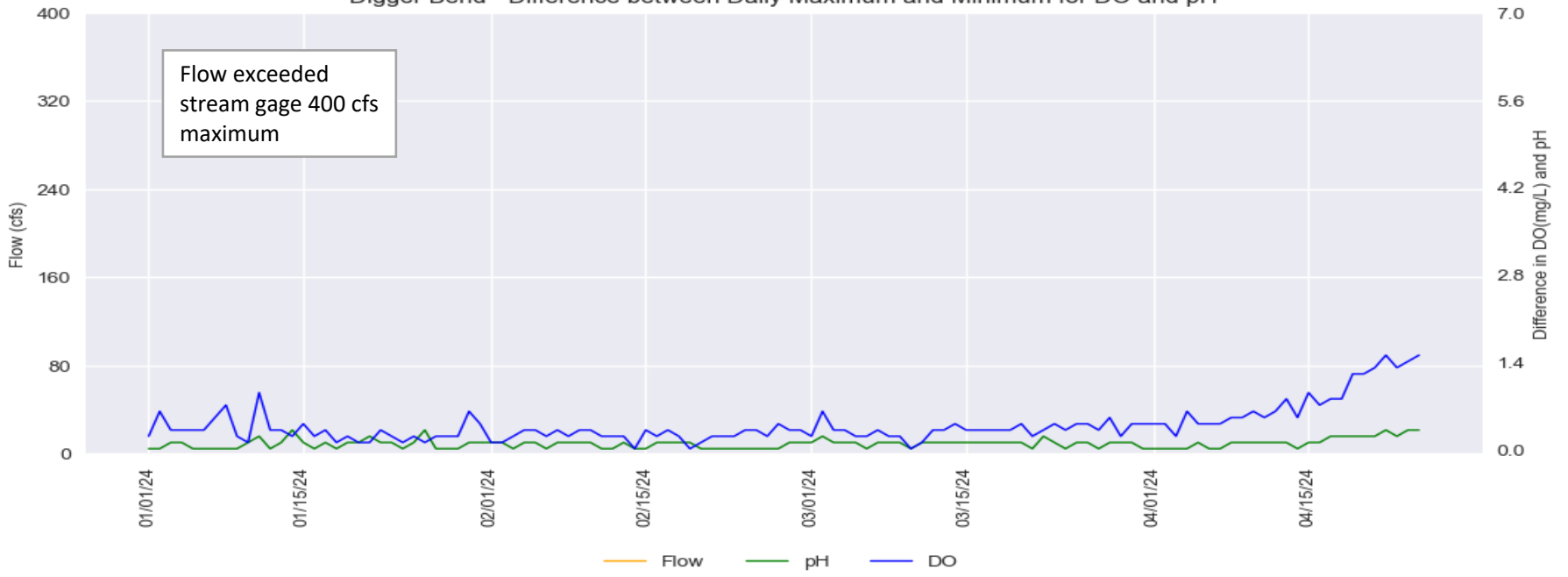
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

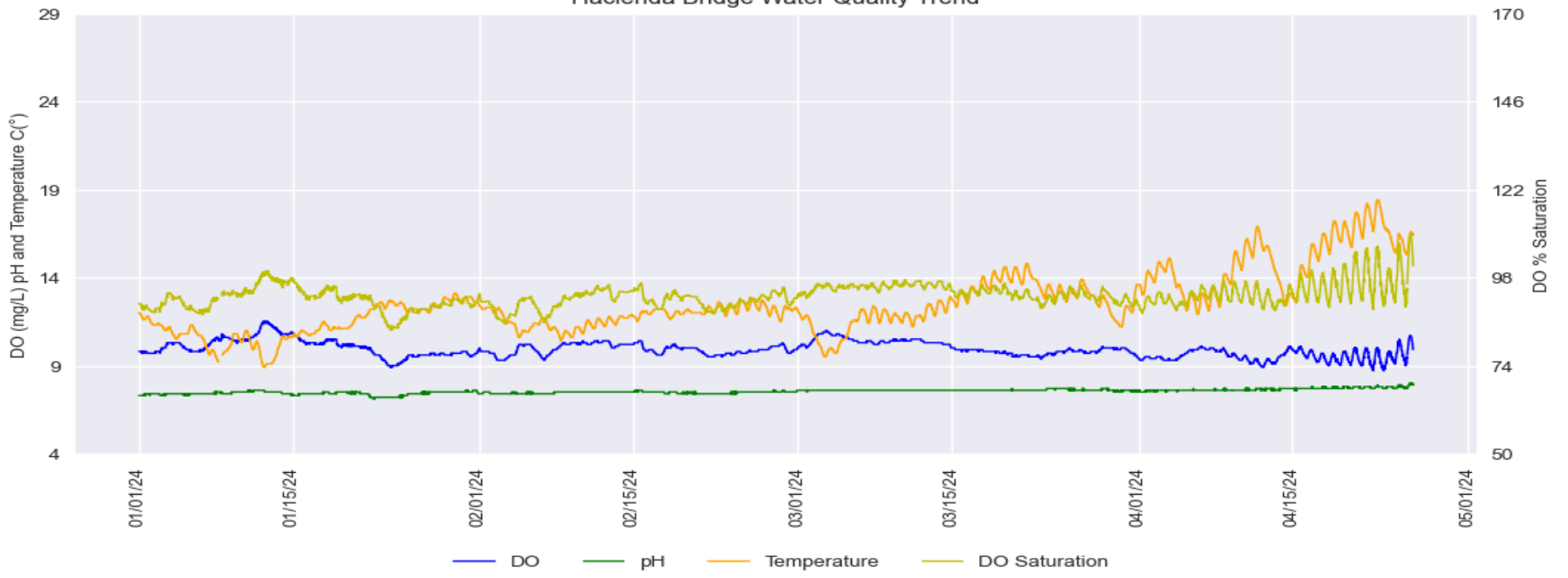


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

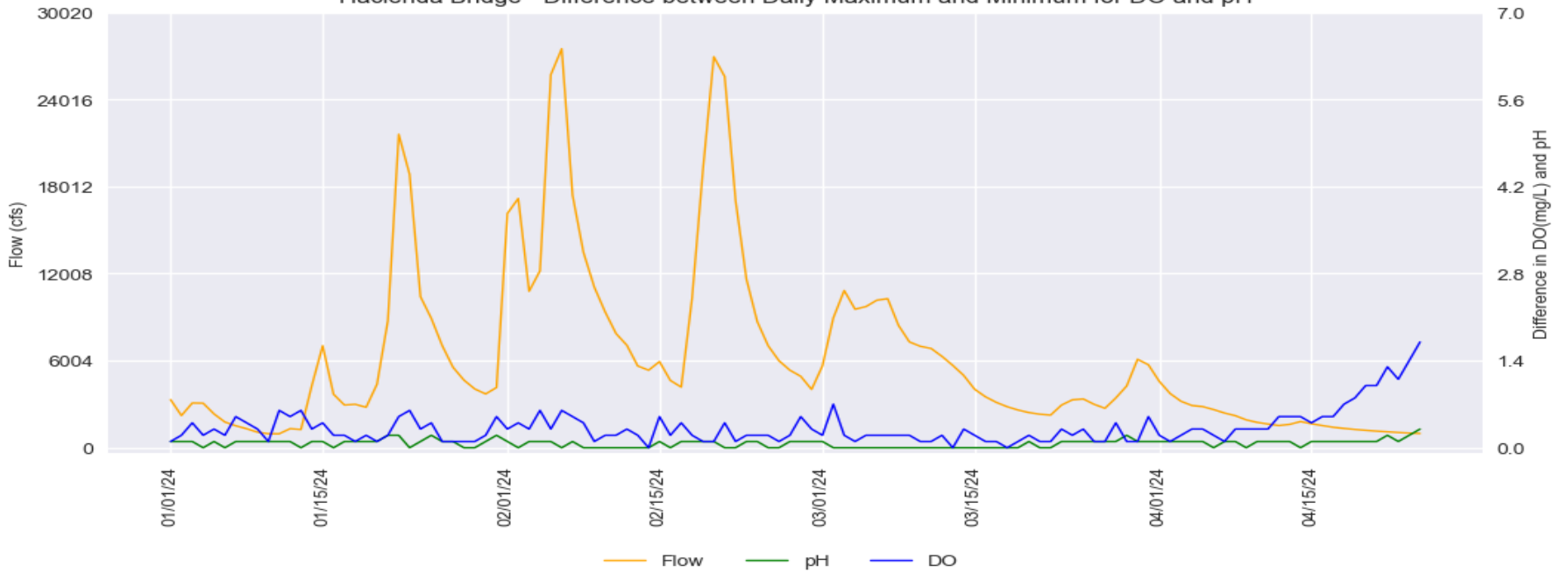


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

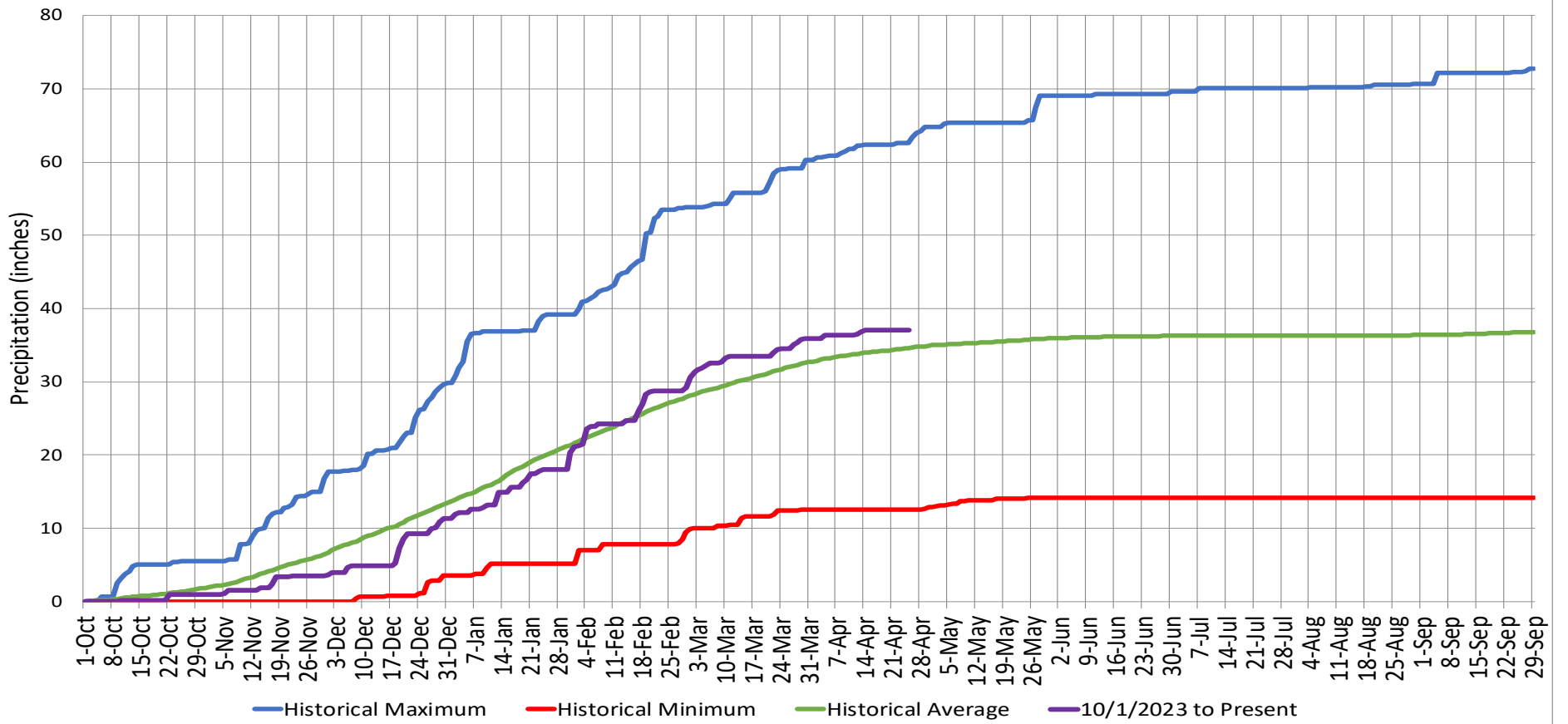


Precipitation

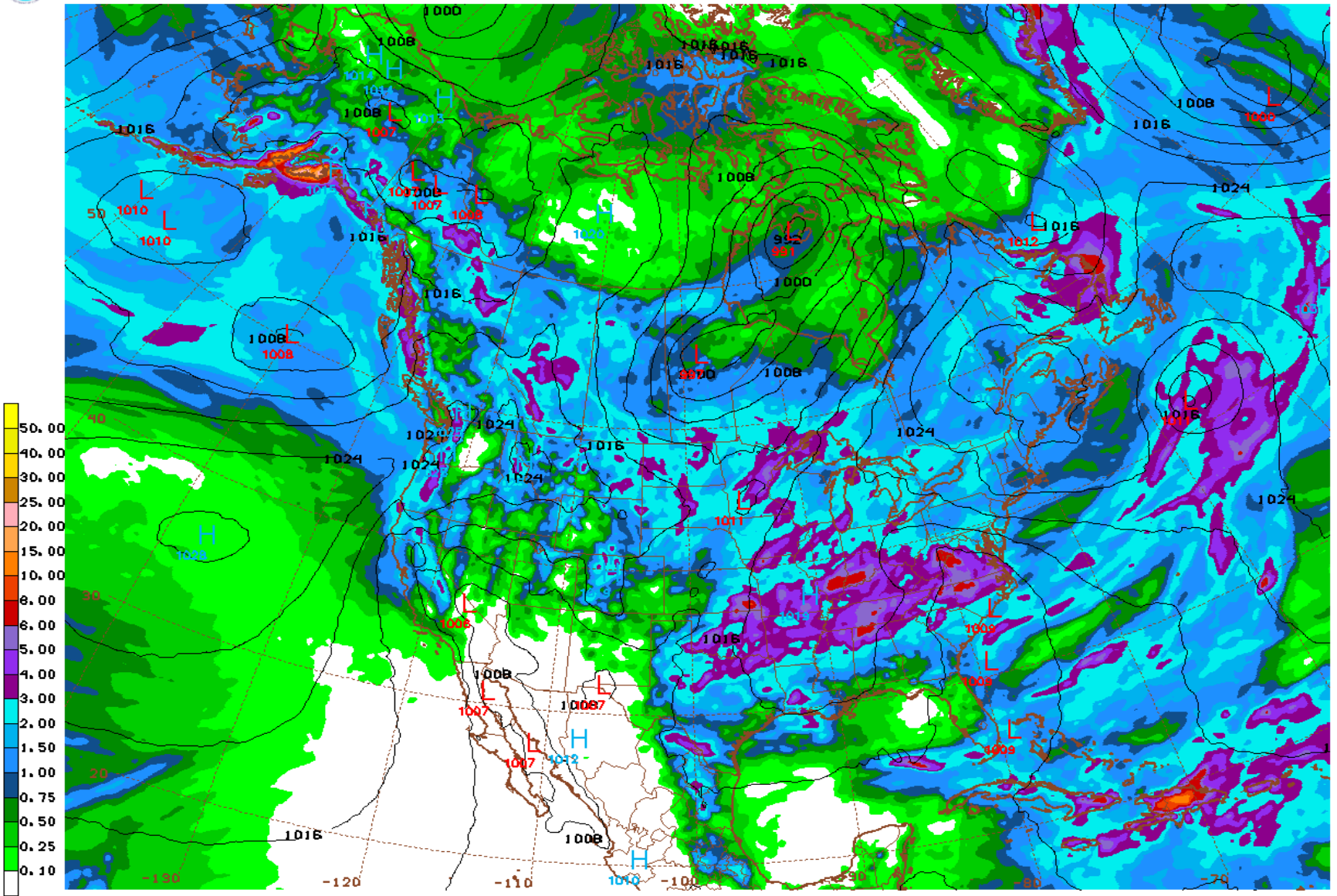
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - Apr 25, 2024	37.07
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 04/29/24 12UTC 384HR FCST VALID MED 05/15/24 12UTC NOAA/NWS/NCEP



6FS MED 240515/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)
 Date Range: Apr 29 - May 15, 2024
 Forecasted Cumulative (inches): **1.23**