



State Water Resources Control Board
 Temporary Urgency Change Order (12/27/2023)
 Russian River Hydrologic & Water Quality Report
 April 26, 2024 - May 2, 2024

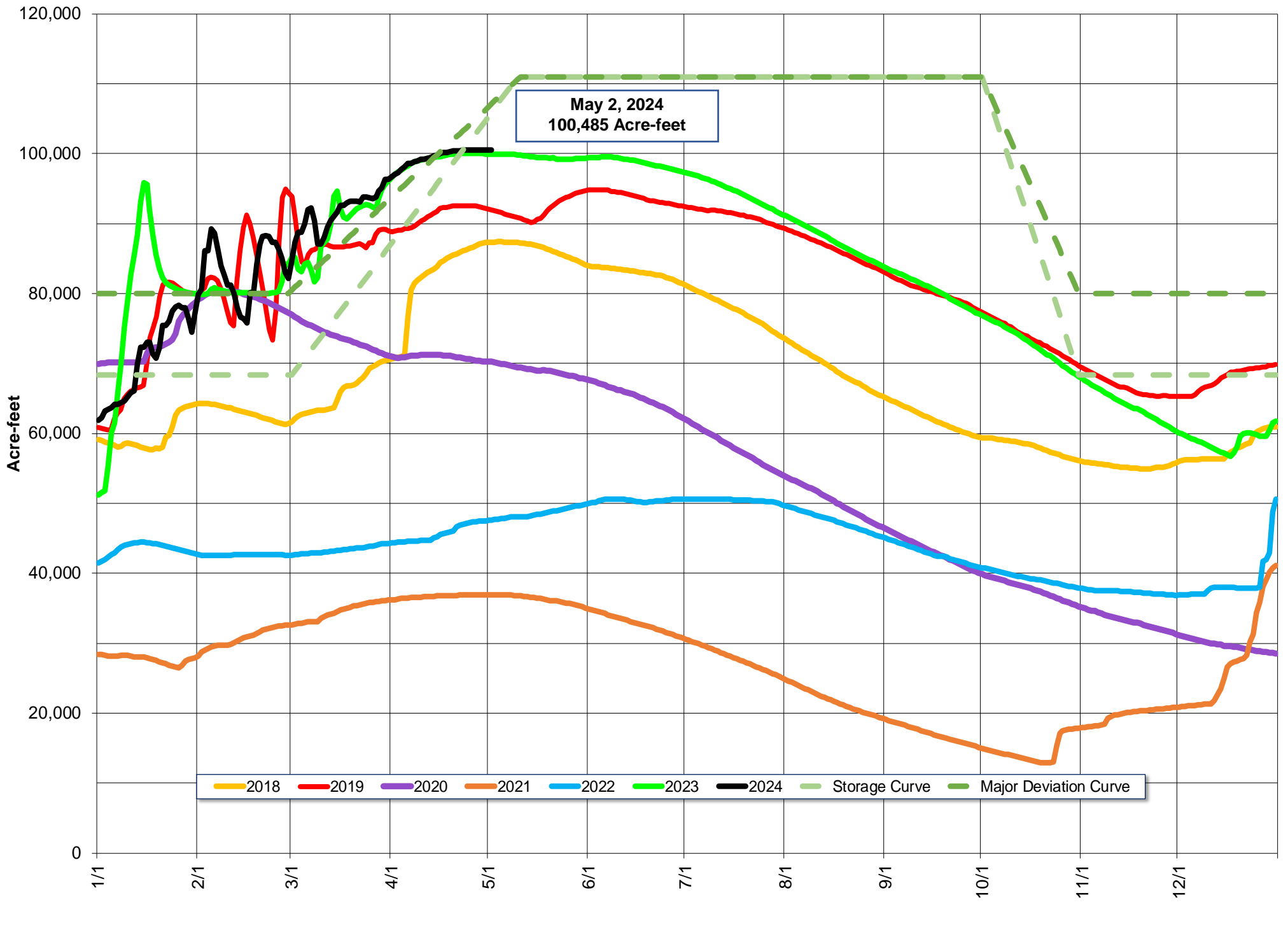
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of May 2, 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



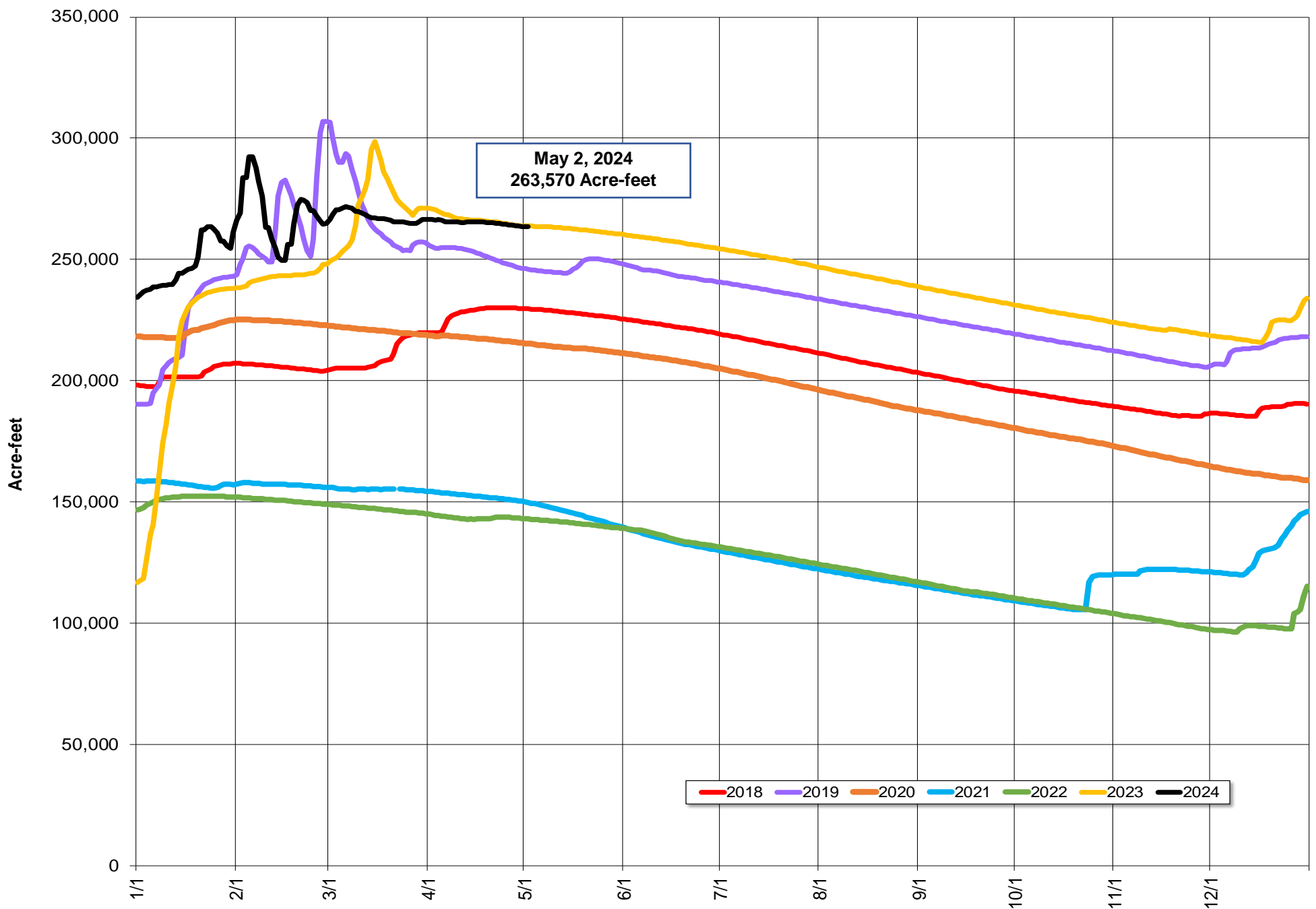
Storage (acre-feet)	May 2, 2024	100,485	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	3,474	116
Daily Inflow (cfs)	Last 7 days	Min	135
		Max	237
		Mean	159
Release (cfs)	Last 7 days	Min	138
		Max	151
		Mean	142

Lake Sonoma



Todd Schram, February 10, 2024

Lake Sonoma Storage 2018-2024



Storage (acre-feet)	May 2, 2024	263,570	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-2,865	-96
	Last 7 days	-944	-135
Daily Inflow (cfs)	Last 7 days	Min	63
		Max	264
		Mean	147
Release (cfs)	Last 7 days	Min	100
		Max	181
		Mean	128

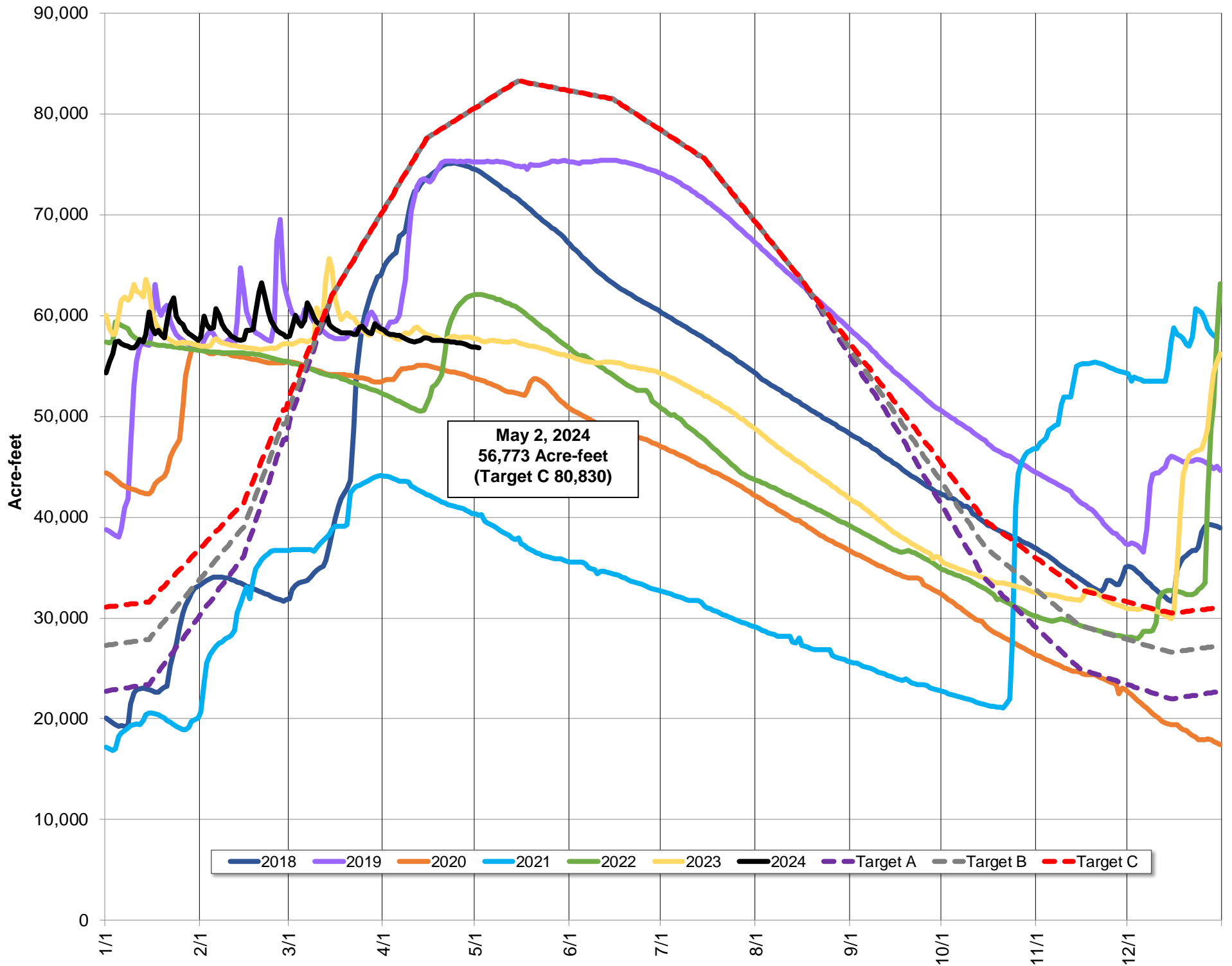
Potter Valley Project

PVP Diversion (cfs)	May 2, 2024	90
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - May 2, 2024	458,747	2,134
	Last 7 days	6,510	930

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios

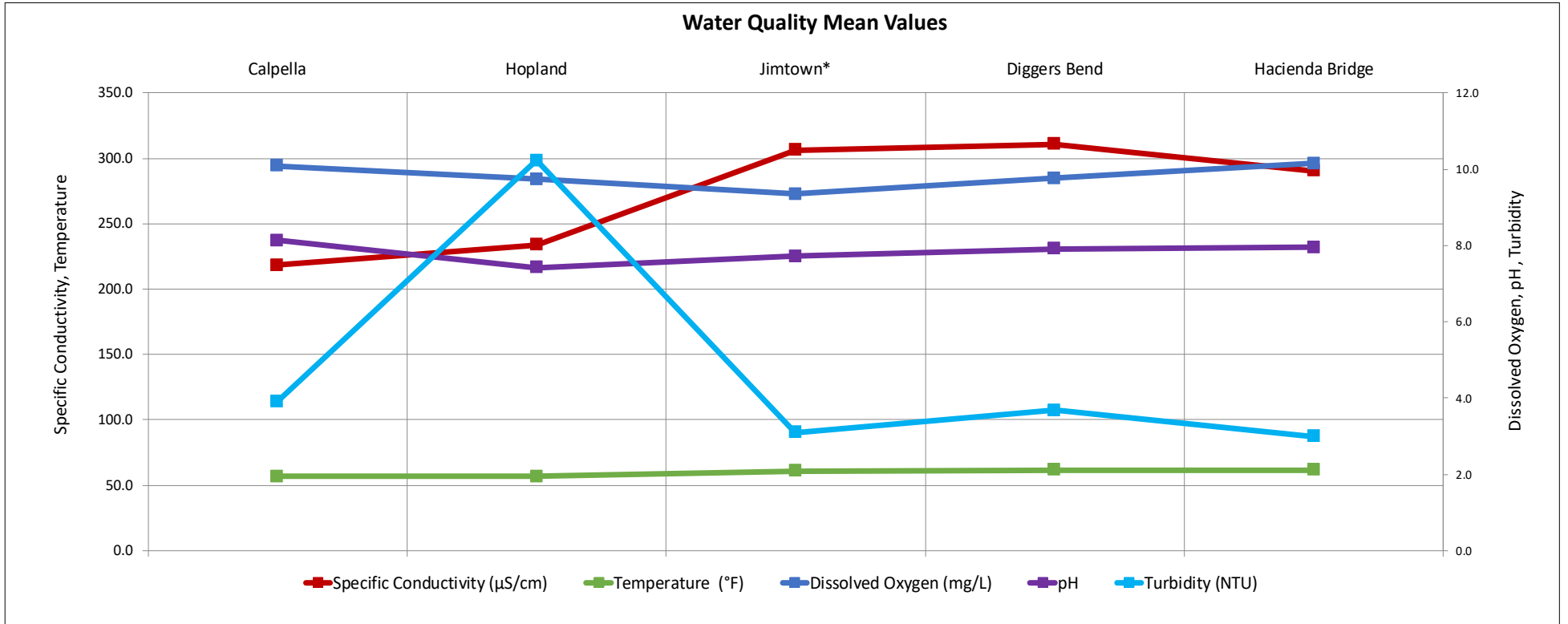


Russian River Flows (April 26, 2024 - May 2, 2024)

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	53.1	54.1		57.9	58.5		59.0	
	Max	60.3	59.2		64.4	65.1		64.6	
	Mean	56.7	56.7		60.8	61.6		61.5	
Specific Conductivity (µS/cm)	Min	211.0	231.0		301.0	303.0		285.0	
	Max	224.0	236.0		309.0	314.0		298.0	
	Mean	218.2	234.0		306.3	310.9		290.5	
Dissolved Oxygen (mg/L)	Min	9.5	9.2		8.6	8.7		8.9	
	Max	10.8	10.5		10.4	11.1		11.7	
	Mean	10.1	9.7		9.3	9.8		10.2	
Dissolved Oxygen (% Saturation)	Min	93.0	88.2		84.7	87.4		89.8	
	Max	106.7	103.2		108.8	116.6		123.8	
	Mean	97.4	94.0		94.8	100.0		103.9	
pH	Min	8.0	7.3		7.6	7.7		7.8	
	Max	8.4	7.5		7.9	8.1		8.2	
	Mean	8.1	7.4		7.7	7.9		8.0	
Turbidity (NTU)	Min	2.1	8.7		2.4	2.7		2.0	
	Max	6.4	16.9		4.3	5.1		4.3	
	Mean	3.9	10.2		3.1	3.7		3.0	

*Station operated seasonally

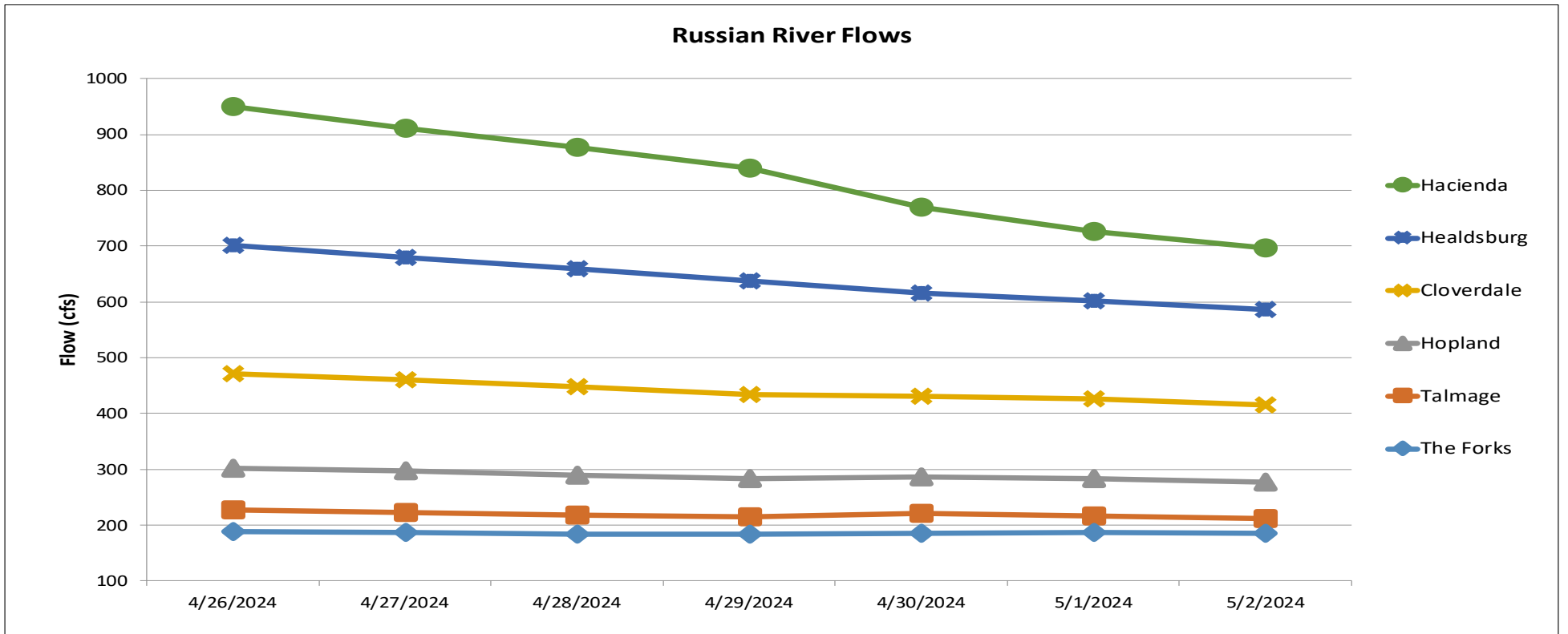
Water Quality Mean Values



Gage	24-hr Average Flow (cfs)						
	Apr 26, 2024	Apr 27, 2024	Apr 28, 2024	Apr 29, 2024	Apr 30, 2024	May 1, 2024	May 2, 2024
The Forks*	189	187	184	183	186	186	184
Talmage USGS 11462080	227	223	218	215	221	217	212
Hopland USGS 11462500	302	296	289	284	287	283	277
Cloverdale USGS 11463000	472	461	447	434	430	426	415
Healdsburg USGS 11464000	702	679	659	638	616	602	586
Hacienda USGS 11467000	950	911	876	839	770	726	697

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

Russian River Flows

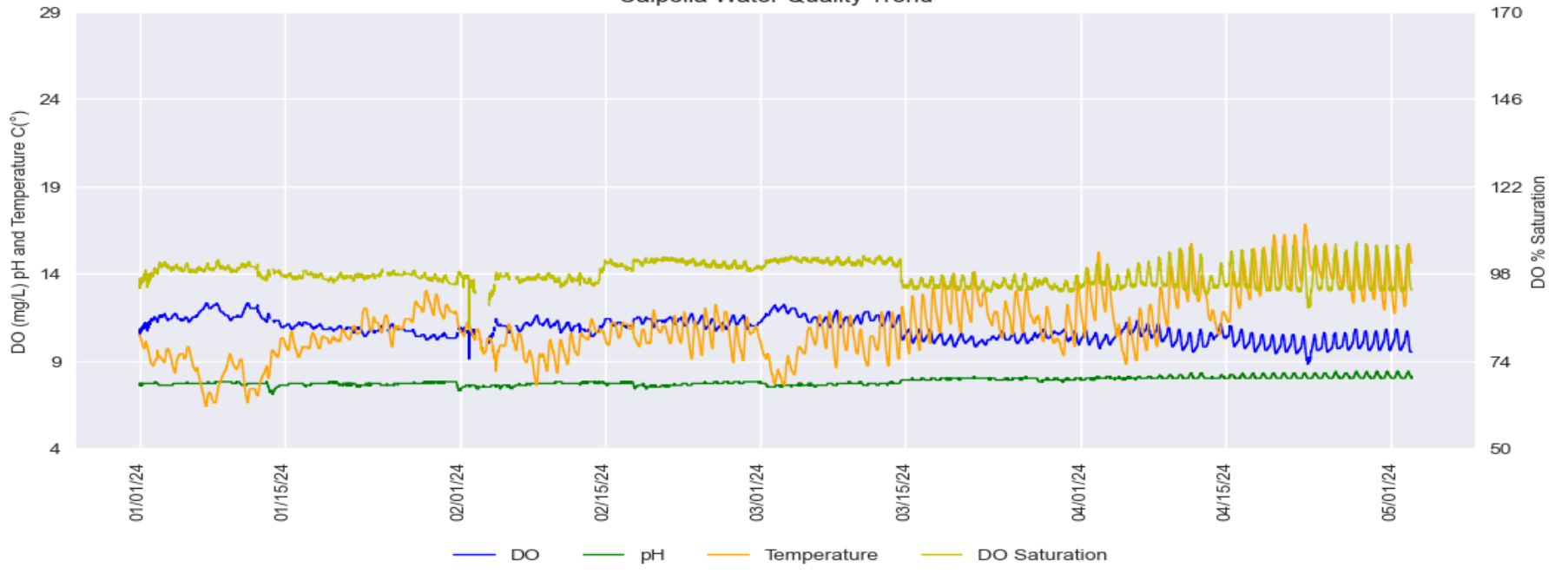


Russian River Water Quality January 1, 2024 – May 2, 2024

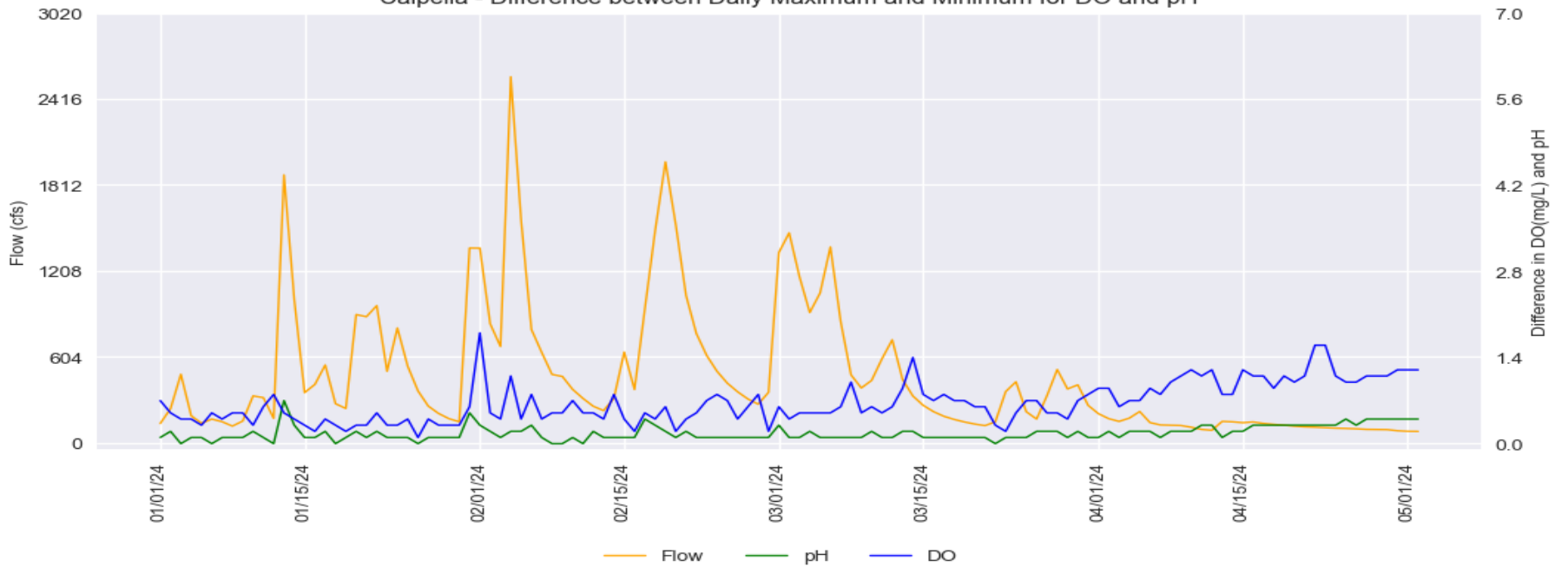
Provisional Data Subject to Revision

Calpella

Calpella Water Quality Trend

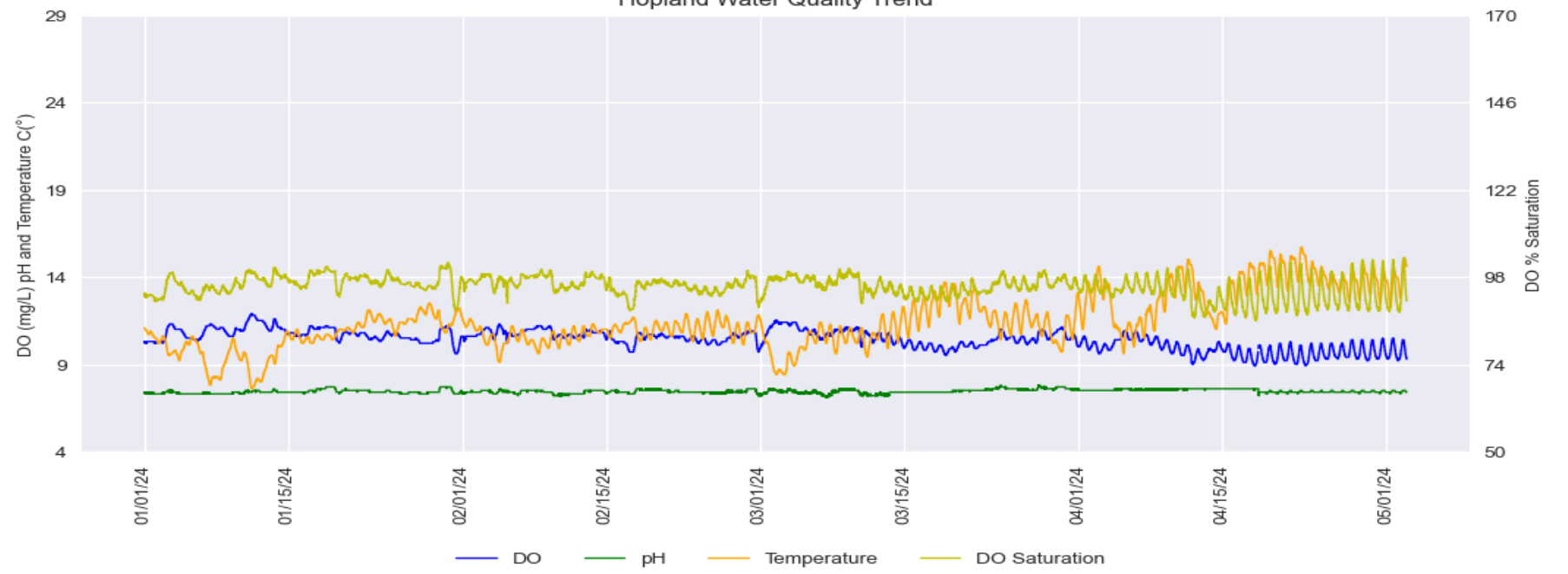


Calpella - Difference between Daily Maximum and Minimum for DO and pH

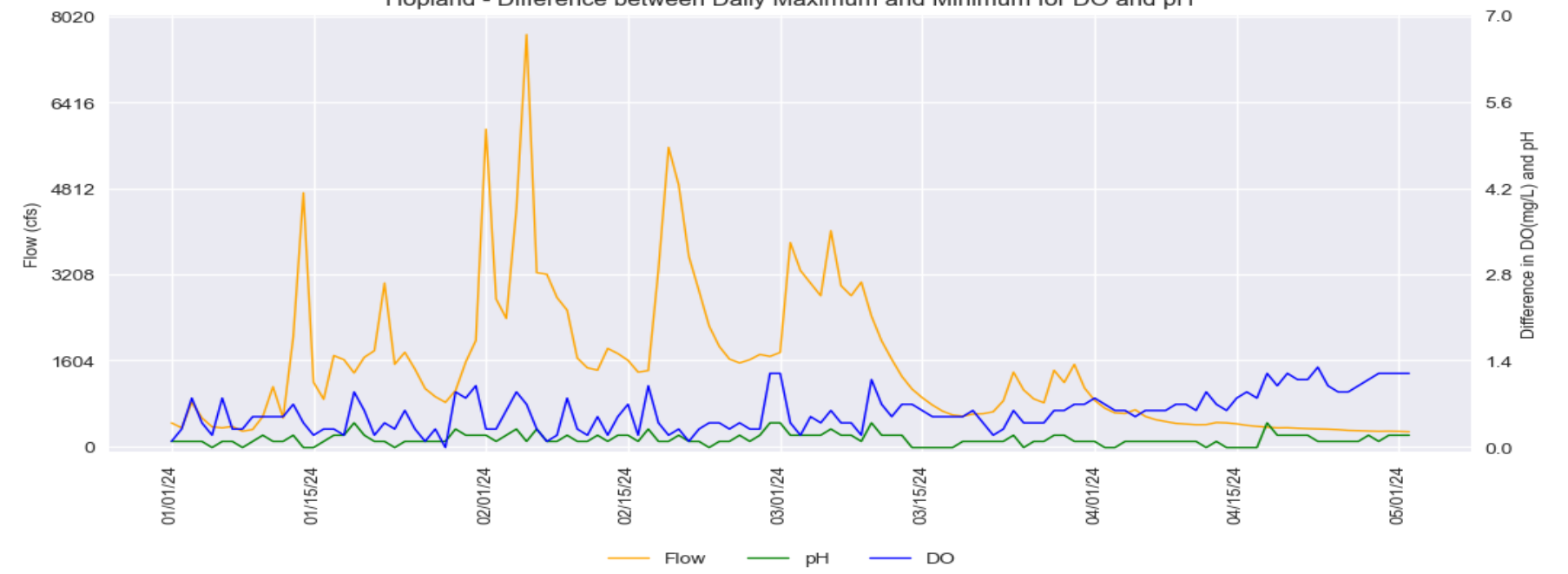


Hopland

Hopland Water Quality Trend



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

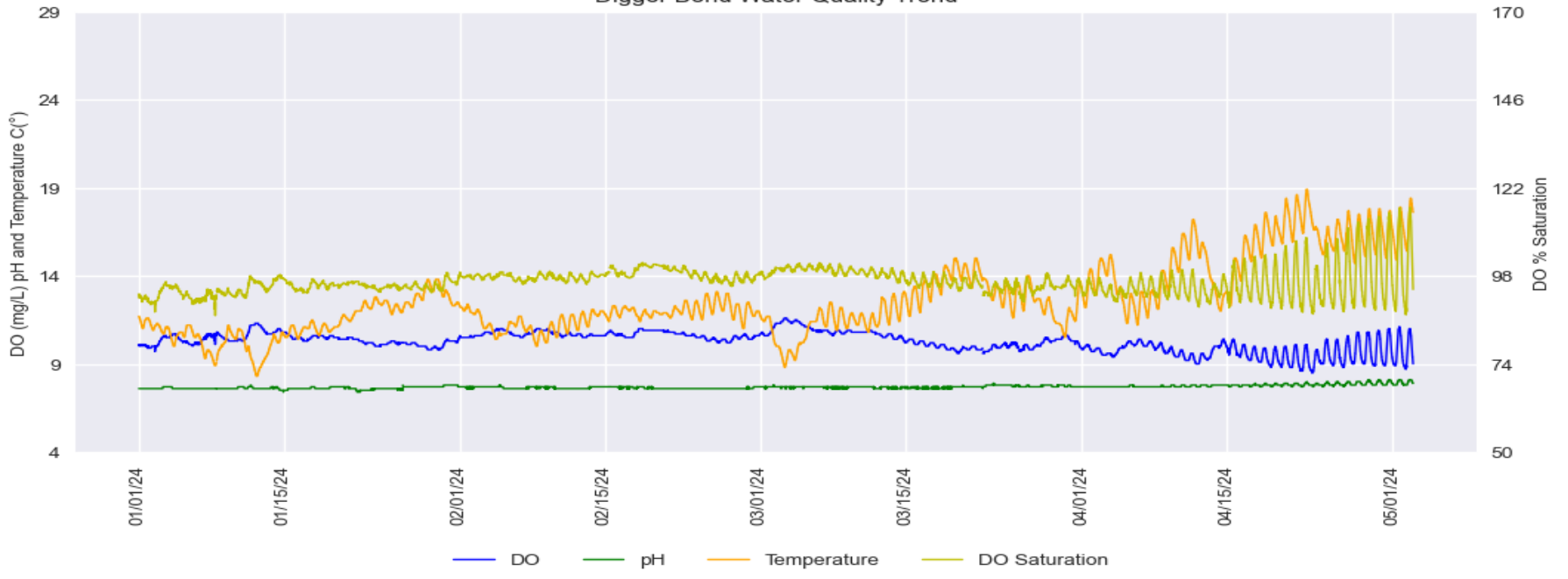


Russian River Water Quality January 1, 2024 – May 2, 2024

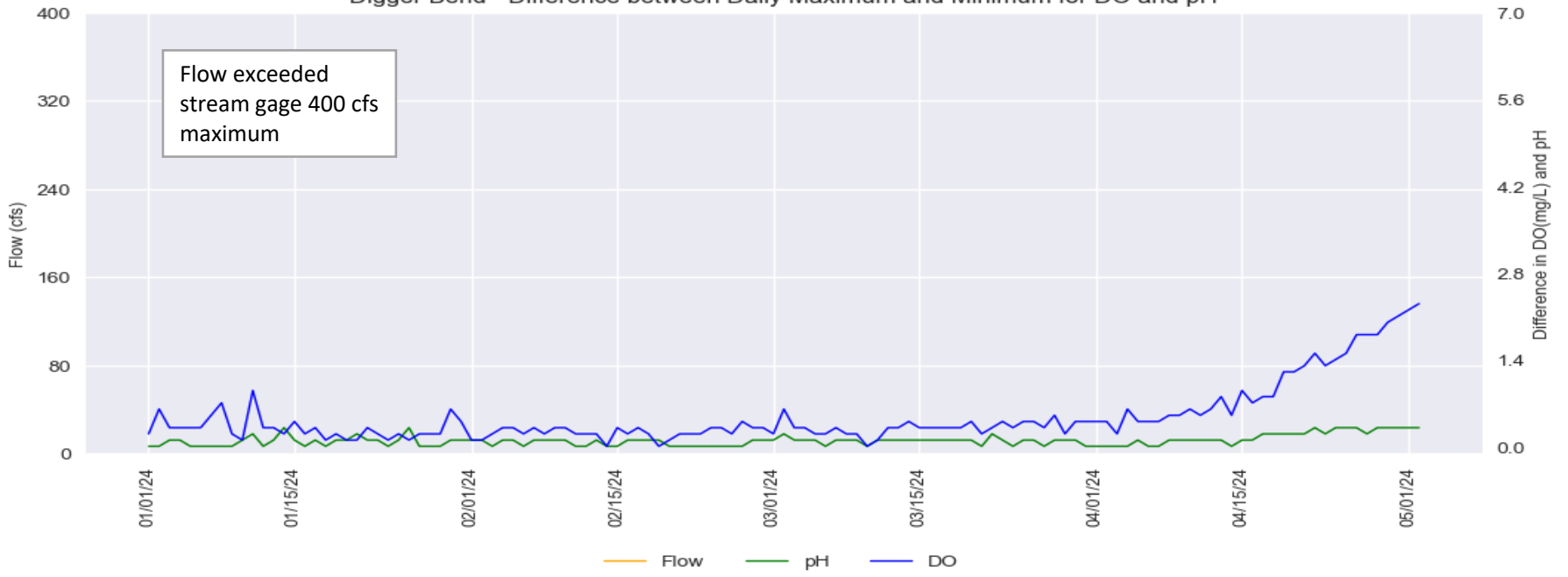
Provisional Data Subject to Revision

Digger Bend

Digger Bend Water Quality Trend

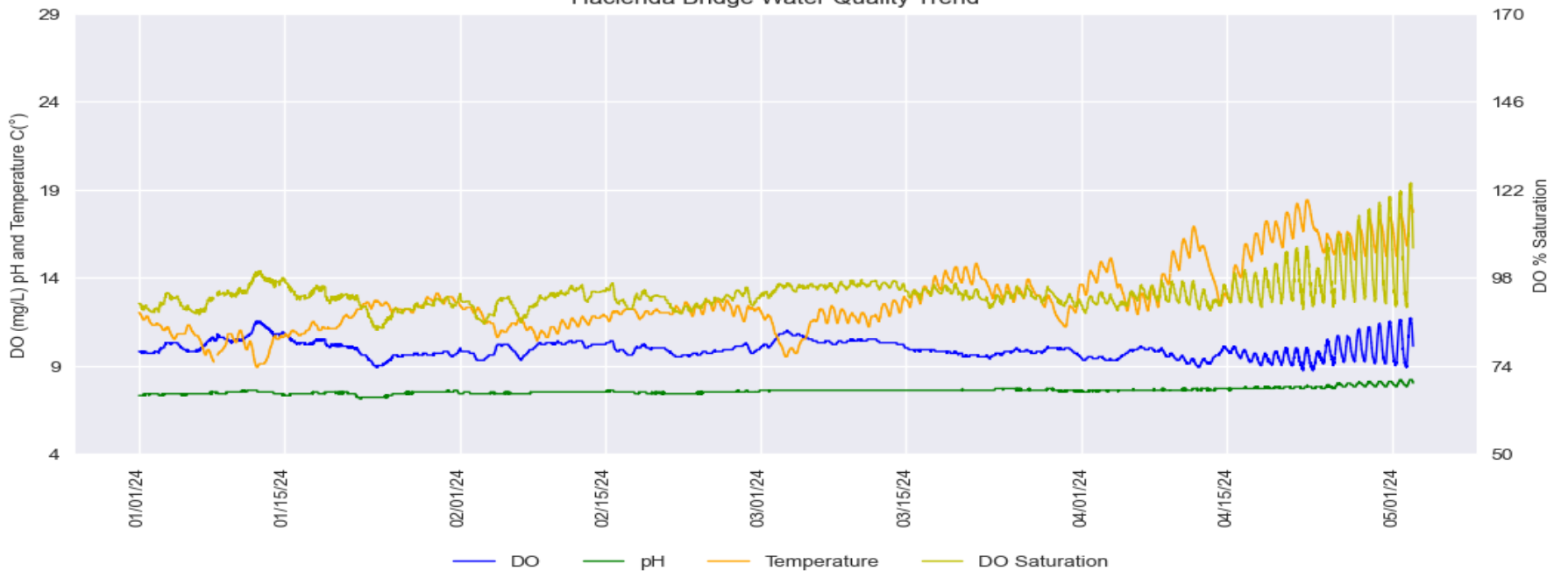


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH

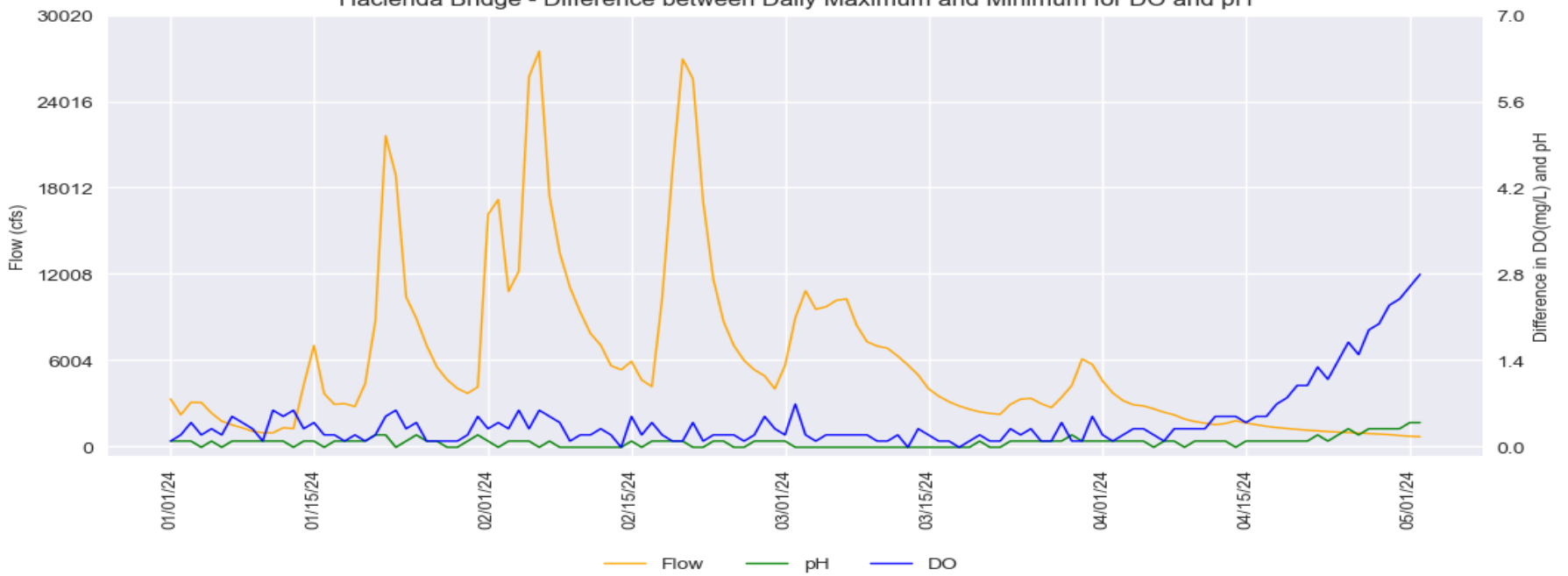


Hacienda Bridge

Hacienda Bridge Water Quality Trend



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

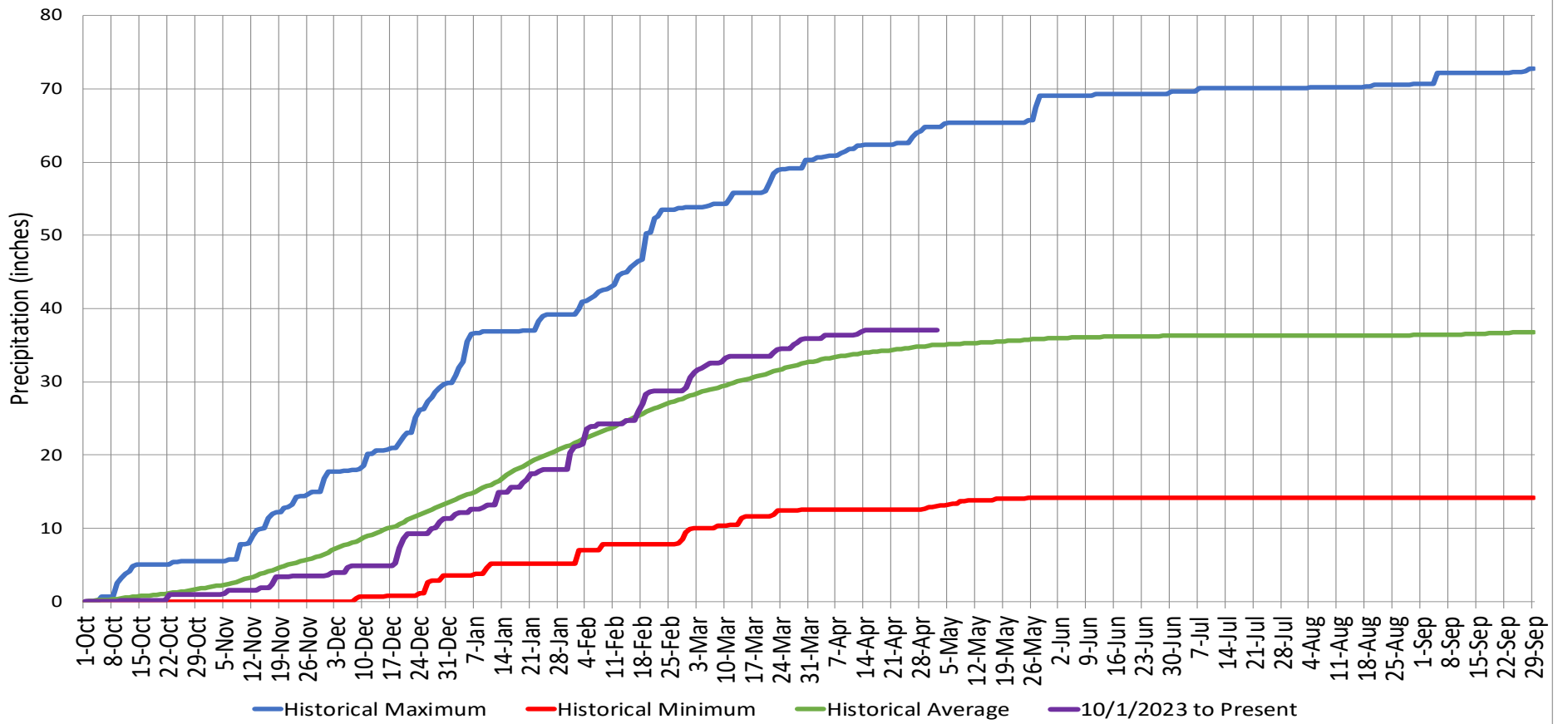


Precipitation

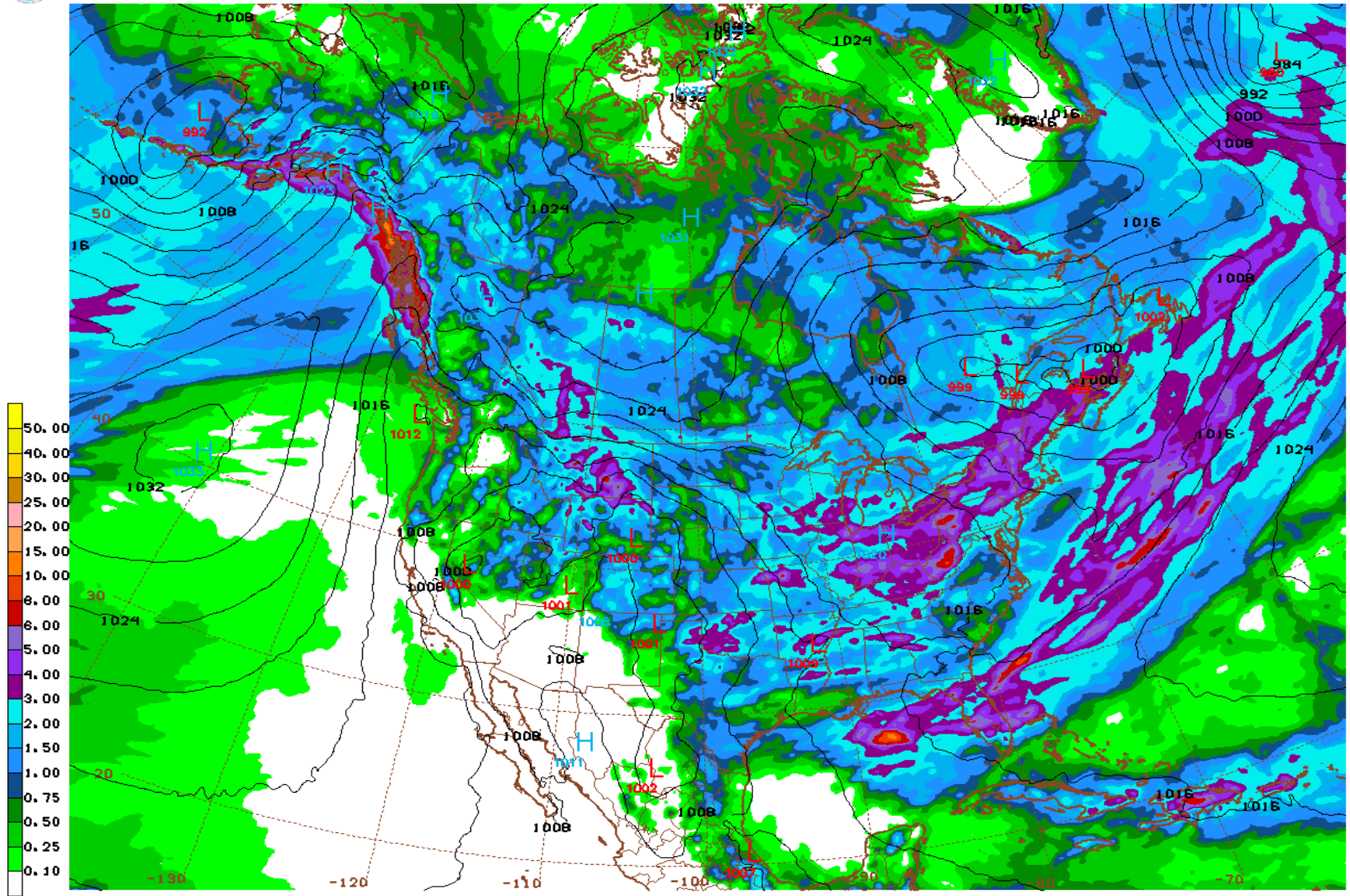
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - May 2, 2024	37.07
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 05/06/24 12UTC 384HR FCST VALID WED 05/22/24 12UTC NOAA/NWS/NCEP



6FS WED 240522/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
May 6 - May 22, 2024

Forecasted Cumulative (inches)
0.00