State Water Resources Control Board
Temporary Urgency Change Orders (12/27/2023 & 6/6/2024)

Russian River Hydrologic & Water Quality Report
August 2, 2024 - August 8, 2024

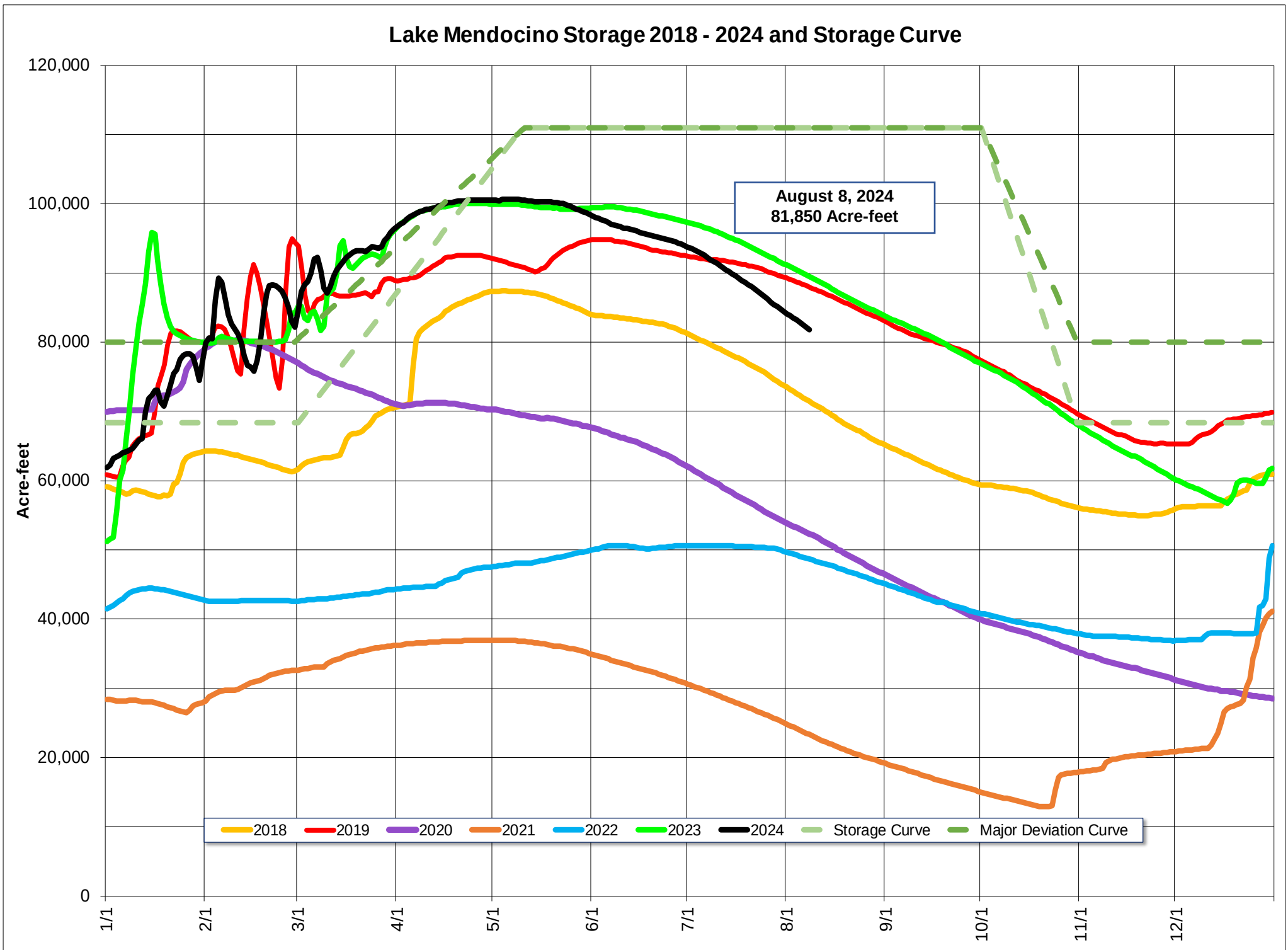
Prepared as a requirement of the Orders approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of August 8, 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.

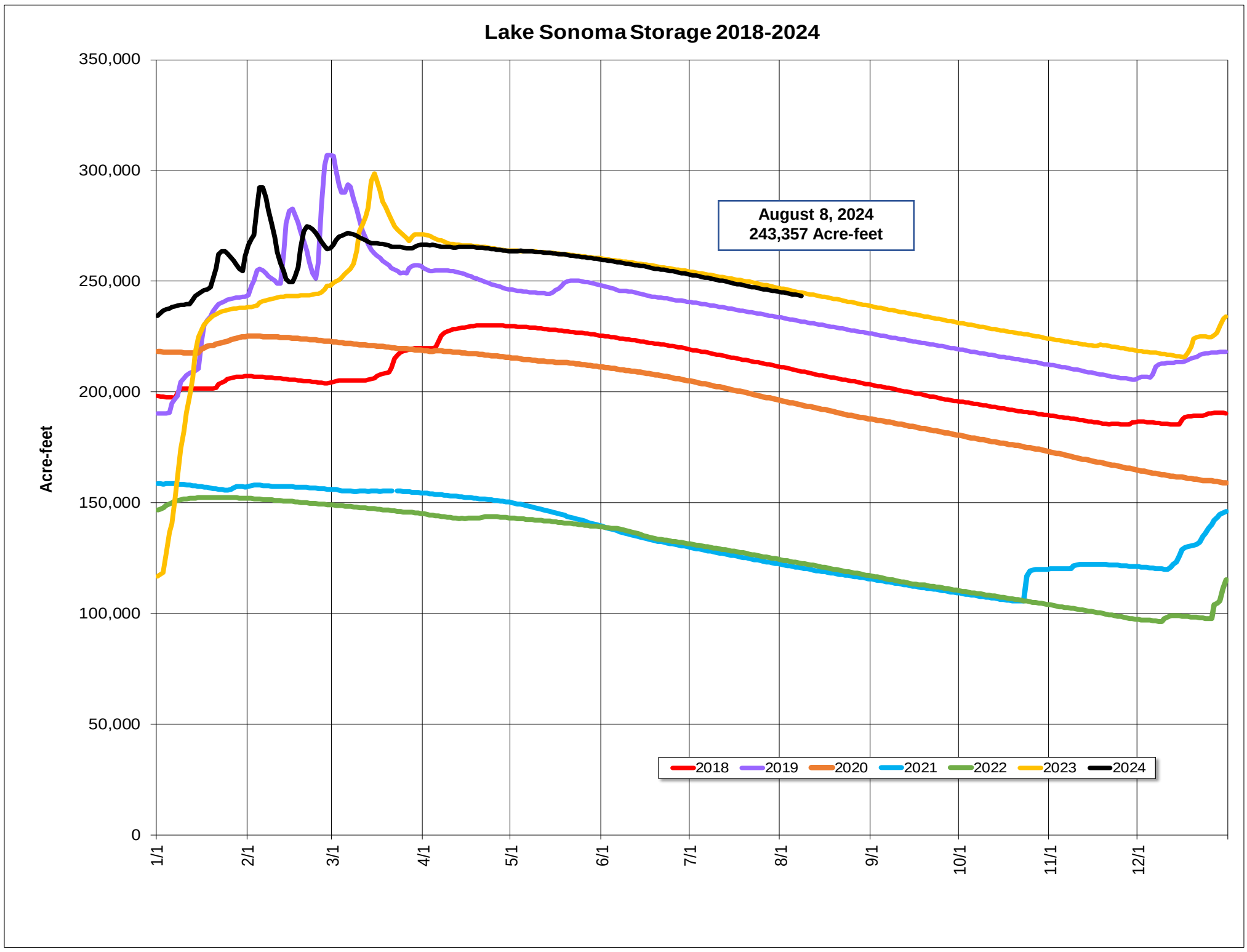
Lake Mendocino



Storage (acre-feet)	August 8, 2024	**81,850**	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	**-9,818**	**-327**
	Last 7 days	**-1,977**	**-282**
Daily Inflow (cfs)	Last 7 days	Min	**24**
		Max	**66**
		Mean	**44**
Release (cfs)	Last 7 days	Min	**177**
		Max	**205**
		Mean	**189**

Lake Sonoma

Todd Schram, February 10 , 2024



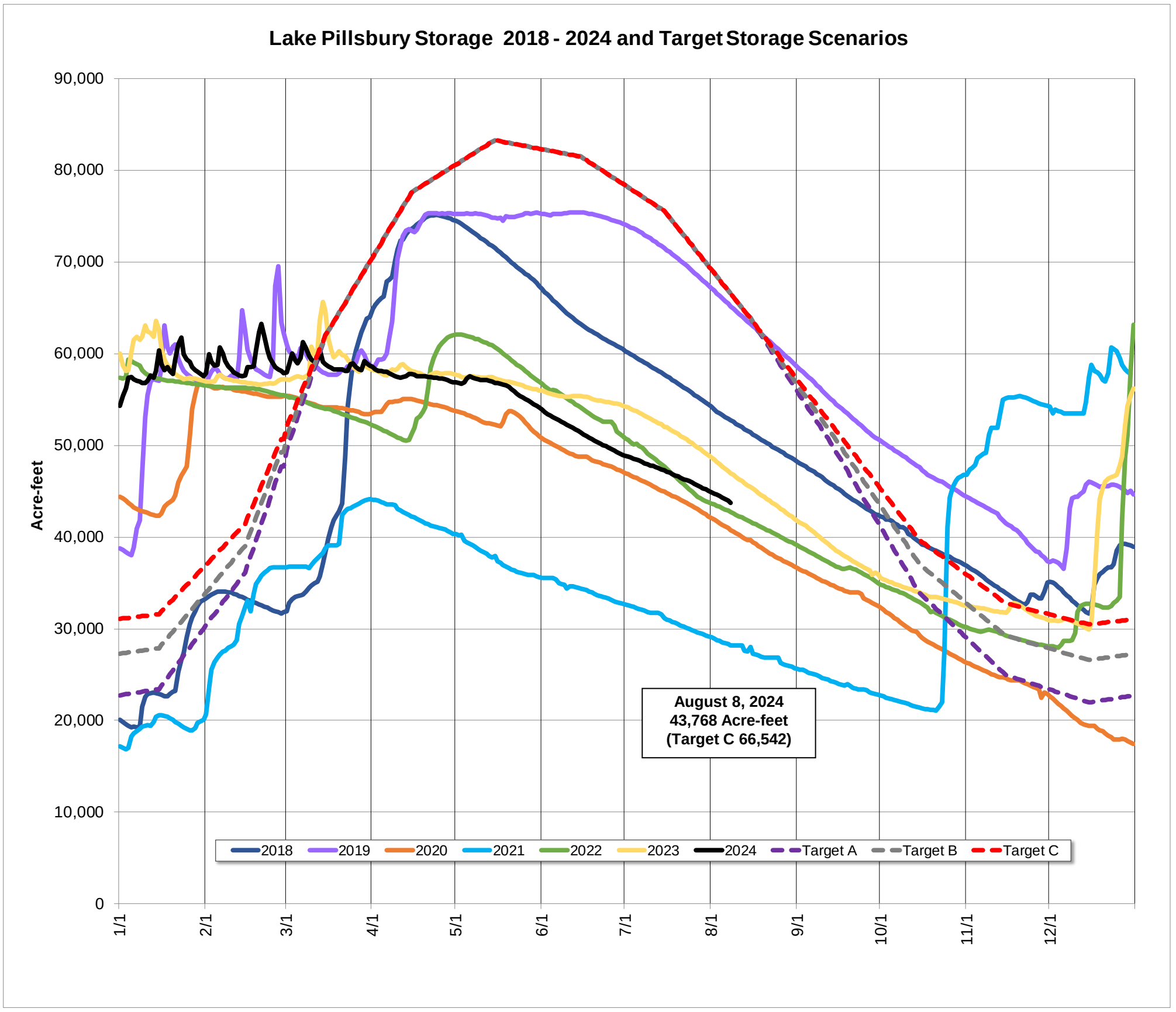
Storage (acre-feet)	August 8, 2024	**243,357**	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	**-7,563**	**-252**
	Last 7 days	**-1,658**	**-237**
Daily Inflow (cfs)	Last 7 days	Min	**0**
		Max	**30**
		Mean	**8**
Release (cfs)	Last 7 days	Min	**100**
		Max	**100**
		Mean	**100**

Potter Valley Project

PVP Diversion (cfs)	August 8, 2024	**60**

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - August 8, 2024	**486,651**	**1,555**
	Last 7 days	**152**	**22**

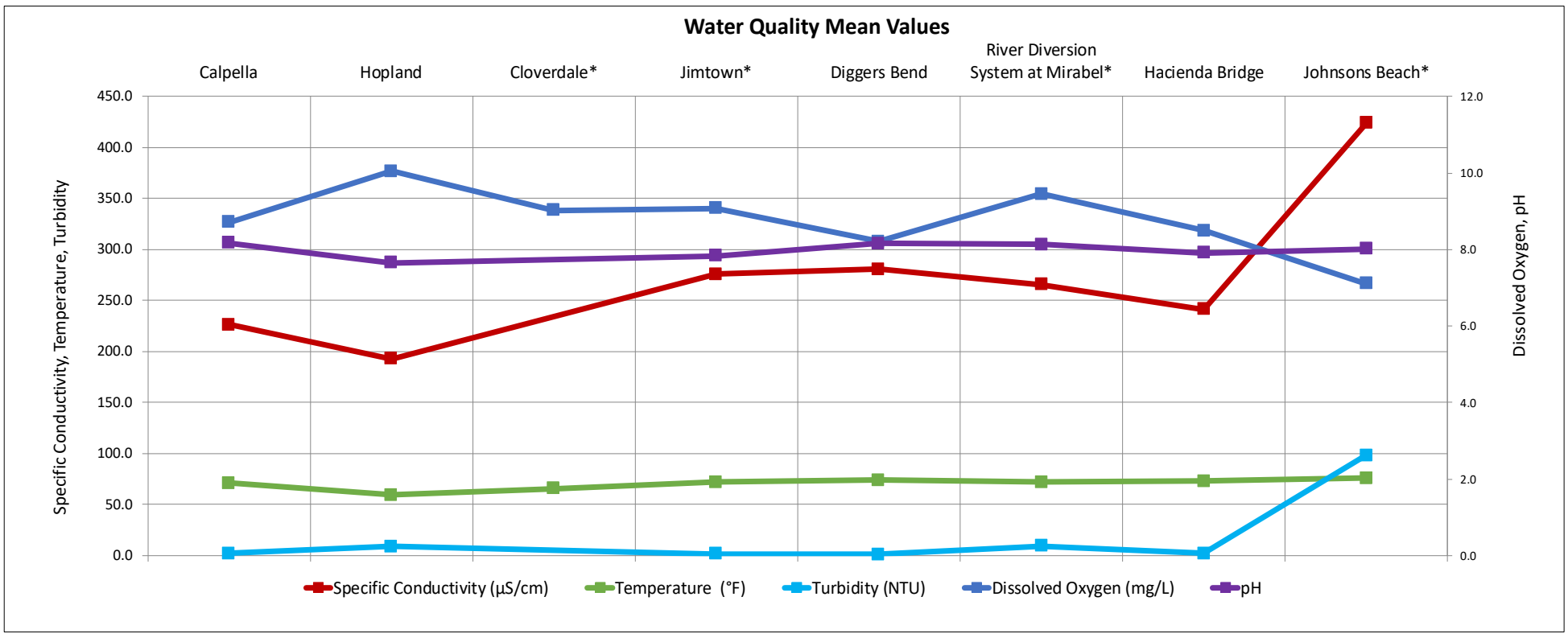
*Inflow calculation based on criteria established in D1610



Russian River Flows (August 2, 2024 - August 8, 2024)

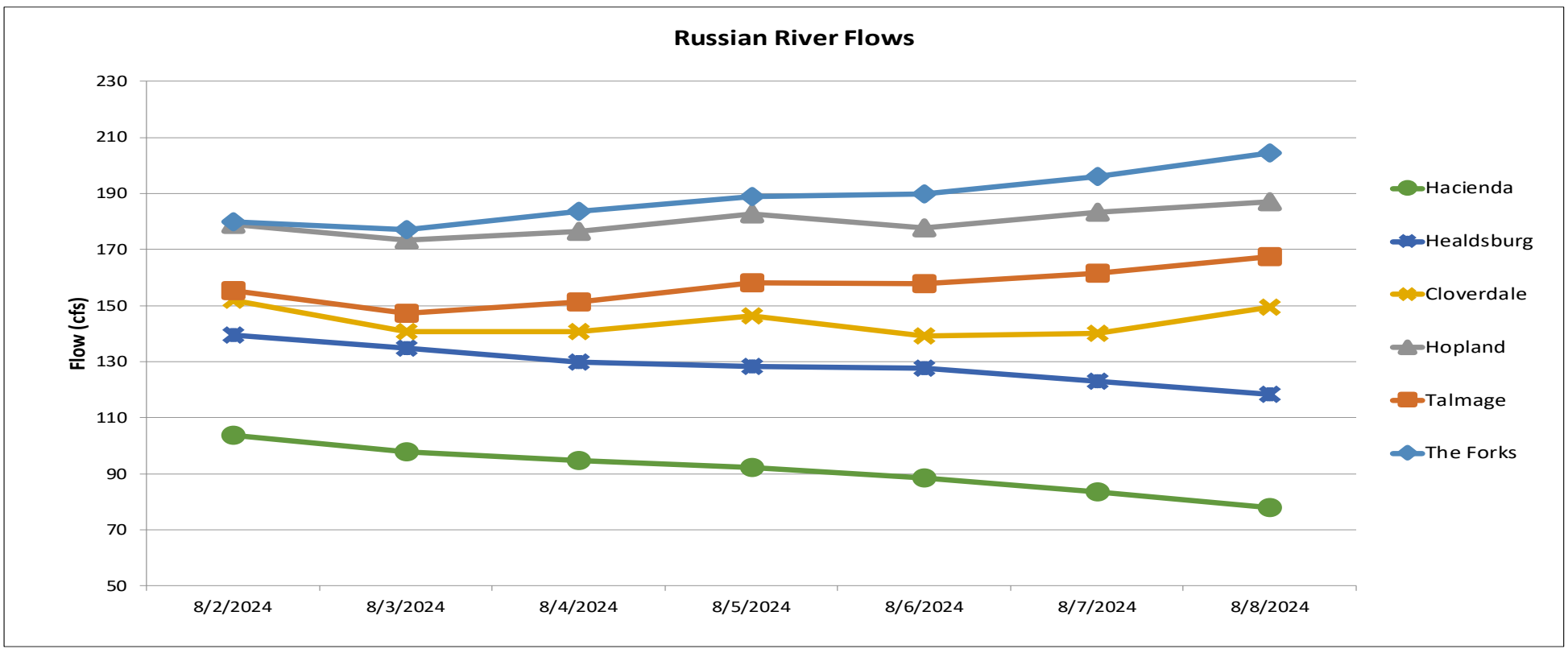
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	67.1	57.0	62.6	68.0	69.8	70.4	69.6	73.5
	Max	74.8	62.2	69.4	76.3	78.4	73.5	76.5	78.4
	Mean	71.0	59.2	65.4	71.9	74.0	71.7	73.0	75.7
Specific Conductivity (µS/cm)	Min	219.0	190.0		271.0	274.0	243	238.0	137.5
	Max	233.0	195.0		280.0	284.0	273	245.0	256.0
	Mean	226.3	192.8		276.0	280.5	266	241.4	423.8
Dissolved Oxygen (mg/L)	Min	7.9	8.9	8.1	6.2	6.9	8.6	6.8	3.6
	Max	10.1	11.6	10.8	13.0	9.8	10.6	9.5	8.4
	Mean	8.7	10.0	9.0	9.1	8.2	9.5	8.5	7.1
Dissolved Oxygen (% Saturation)	Min	89.4	87.9	86.2	69.8	78.5	69.8	77.0	69.8
	Max	116.3	117.2	118.3	150.5	118.7	150.5	113.5	150.5
	Mean	99.0	100.0	96.5	104.6	96.6	104.7	98.8	104.7
pH	Min	8.0	7.4		7.4	7.9	8.0	7.6	7.7
	Max	8.5	8.0		8.4	8.5	8.4	8.1	8.3
	Mean	8.2	7.7		7.8	8.2	8.1	7.9	8.0
Turbidity (NTU)	Min	1.1	7.6		0.6	0.5	1.4	1.0	9
	Max	4.0	10.1		3.0	2.0	104.4	3.6	1438
	Mean	1.8	8.9		1.7	1.1	9.0	1.9	98

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Aug 2, 2024	Aug 3, 2024	Aug 4, 2024	Aug 5, 2024	Aug 6, 2024	Aug 7, 2024	Aug 8, 2024
The Forks*	180	177	183	189	190	196	205
Talmage USGS 11462080	155	147	151	158	158	162	167
Hopland USGS 11462500	179	173	177	183	178	183	187
Cloverdale USGS 11463000	152	141	141	146	139	140	149
Healdsburg USGS 11464000	139	135	130	128	128	123	118
Hacienda USGS 11467000	104	98	95	92	88	84	78

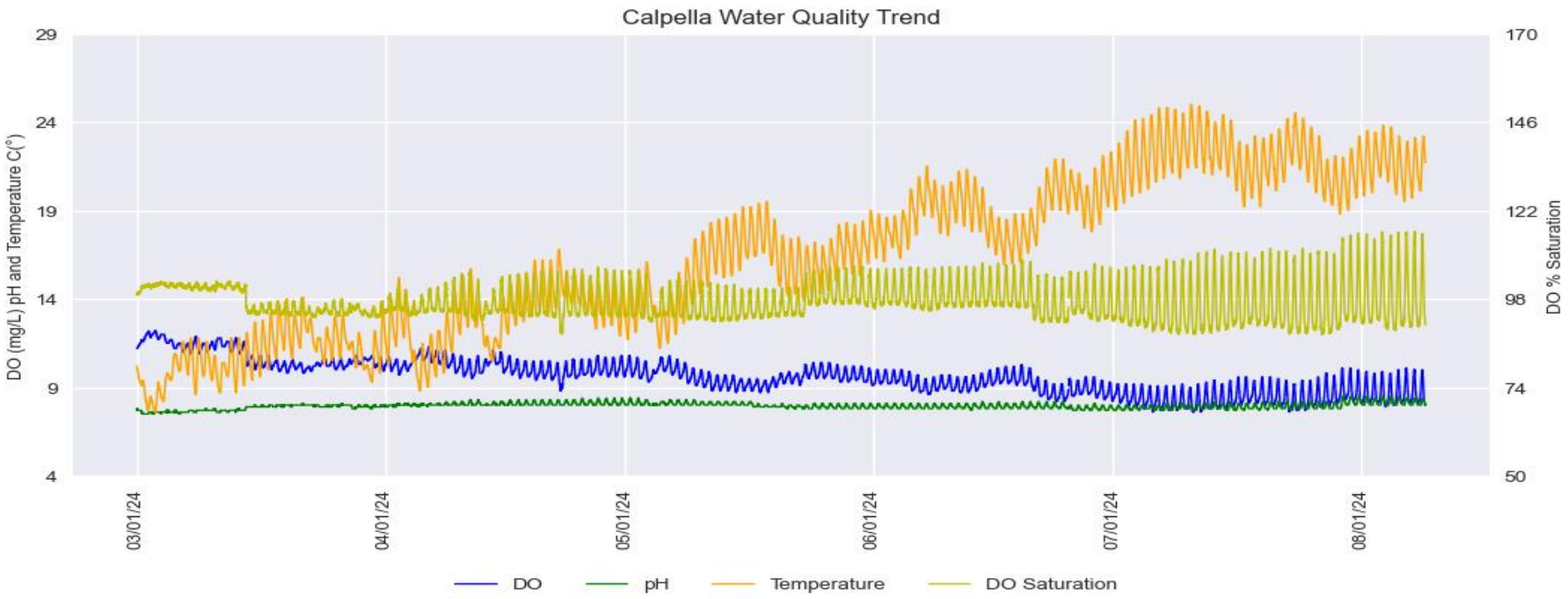
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

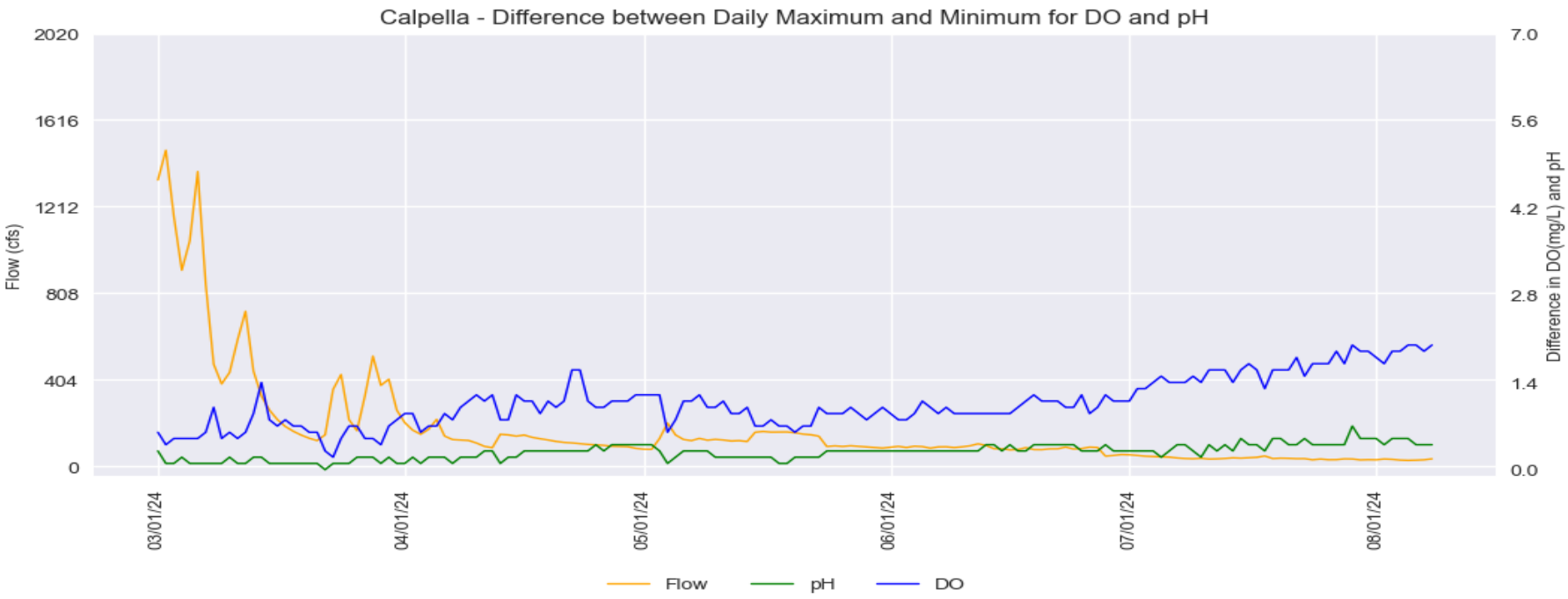


Russian River Water Quality March 1, 2024 – August 8, 2024

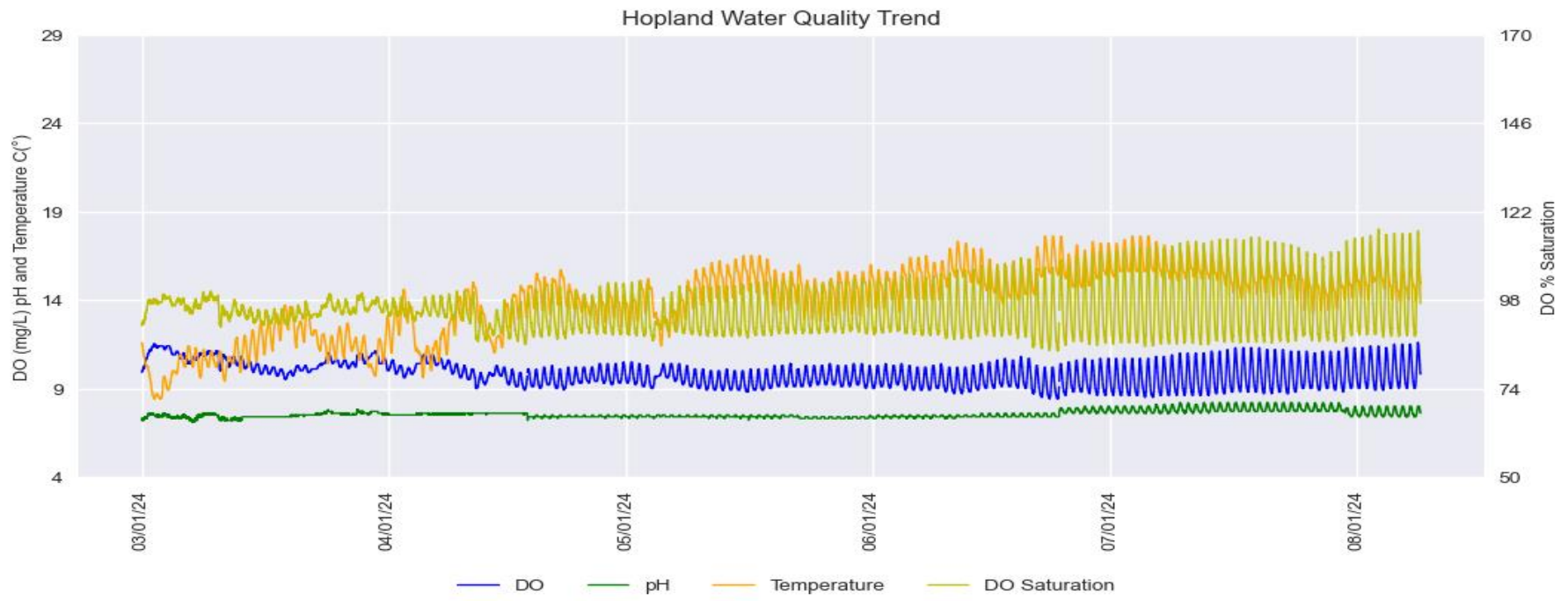
Provisional Data Subject to Revision

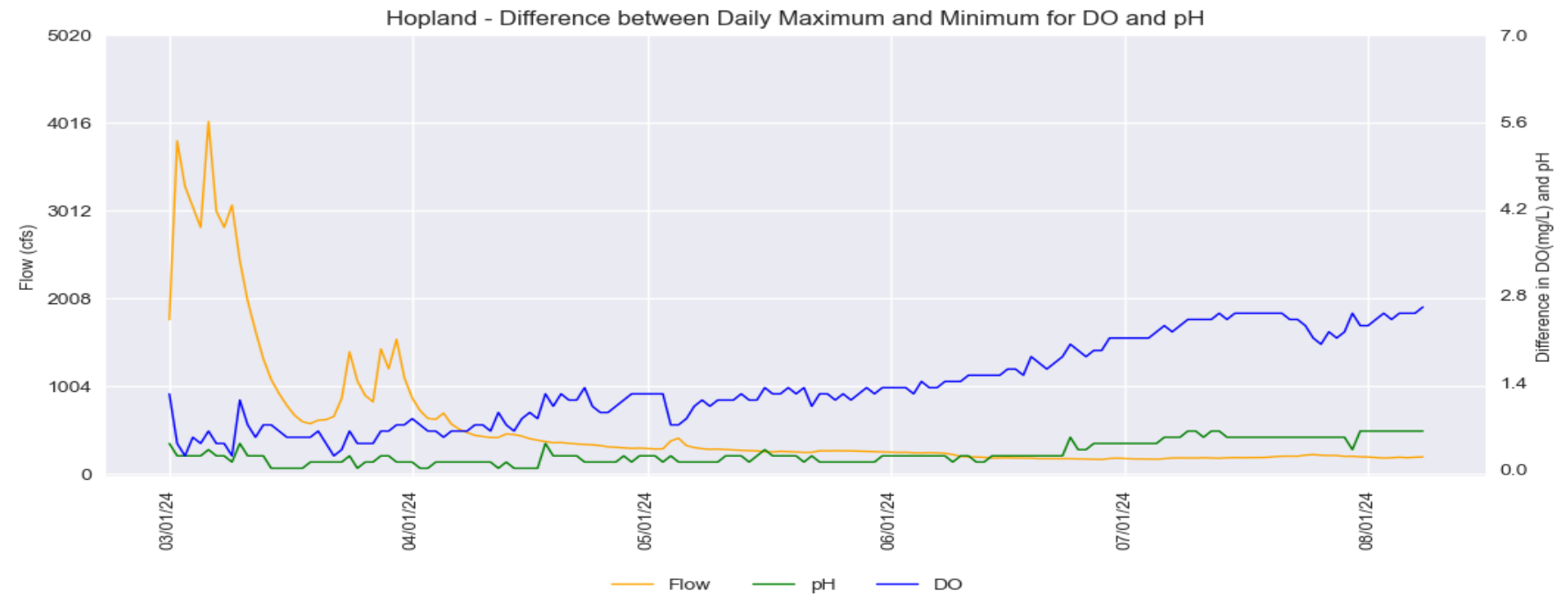
Calpella





Hopland

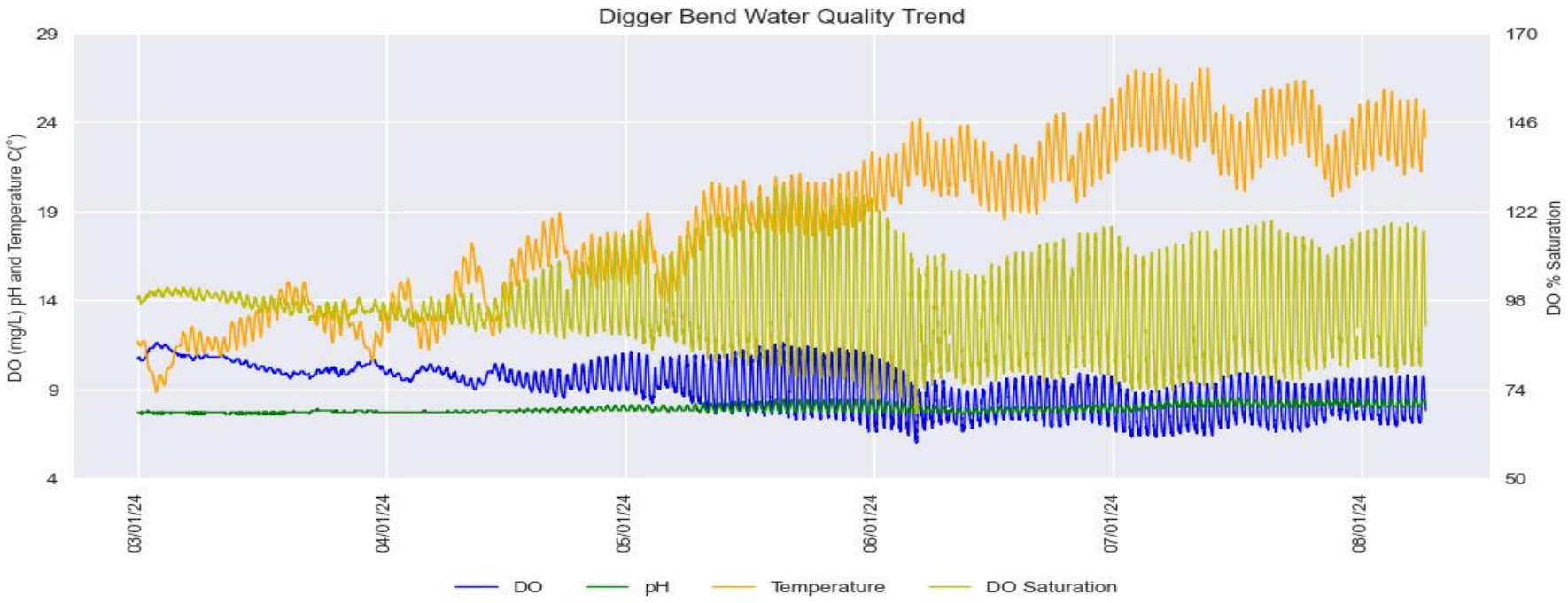


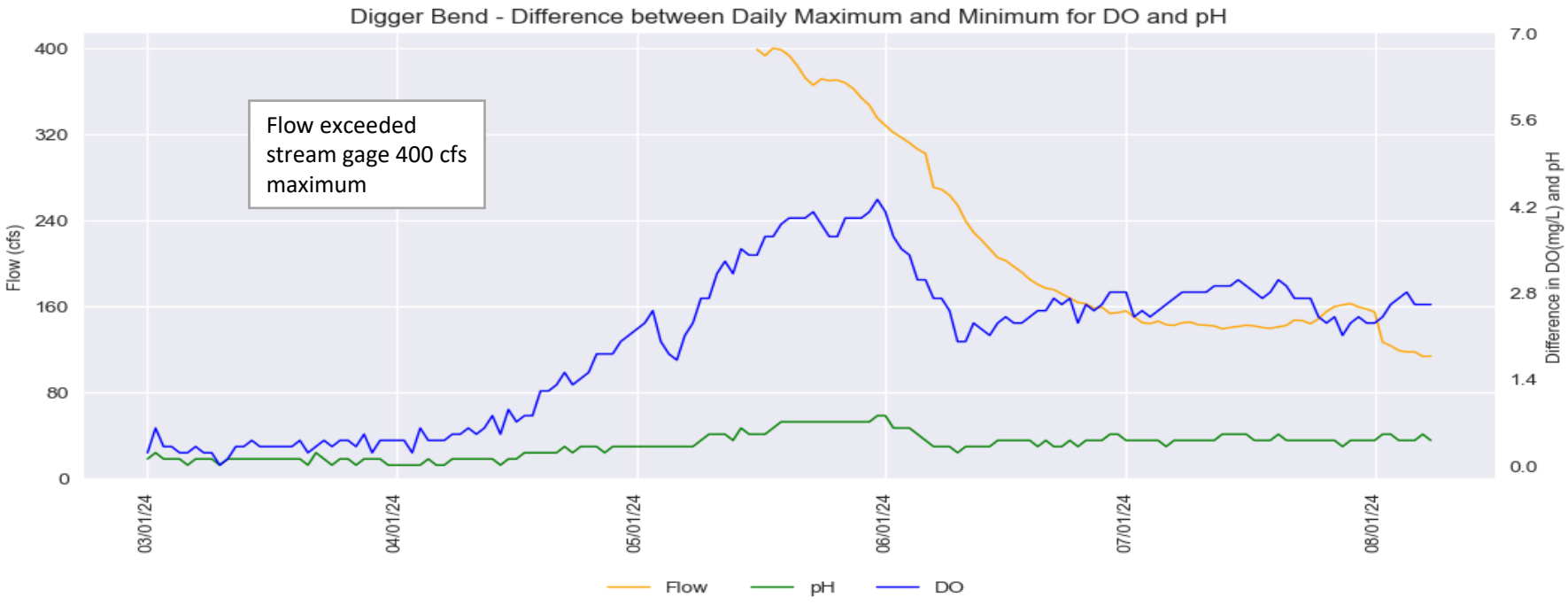


Russian River Water Quality March 1, 2024 – August 8, 2024

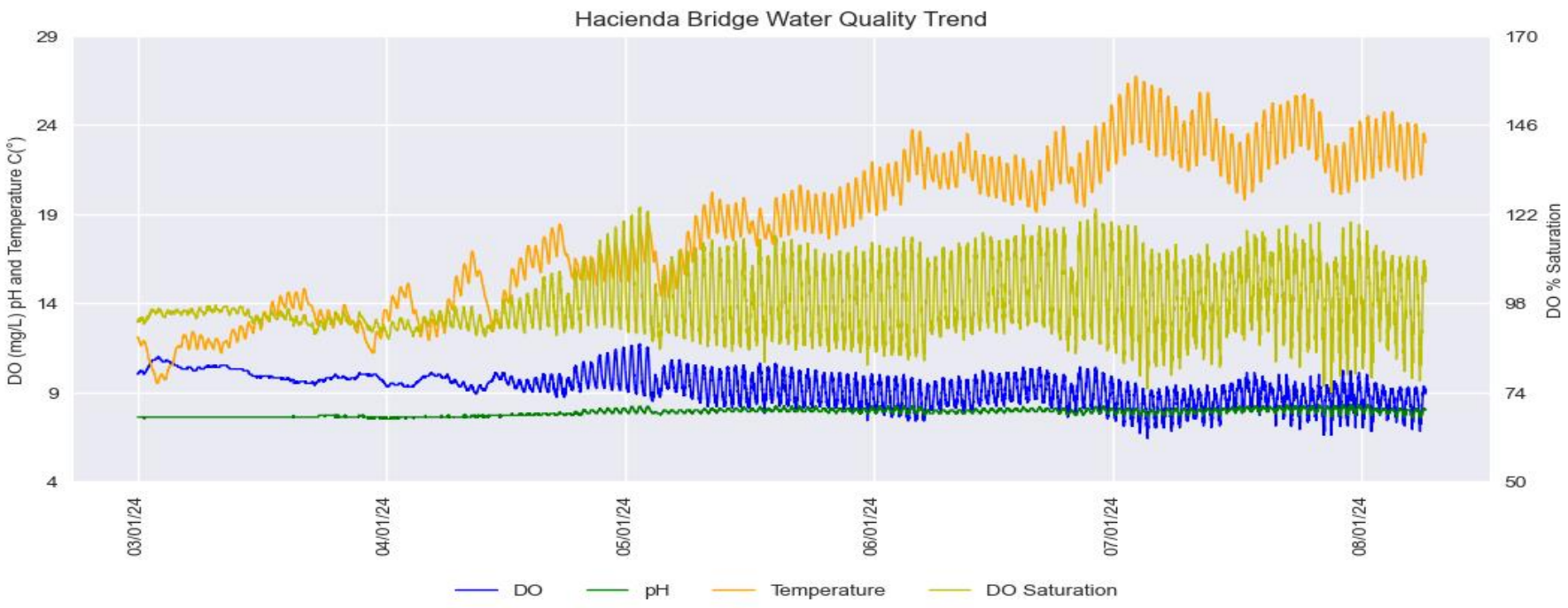
Provisional Data Subject to Revision

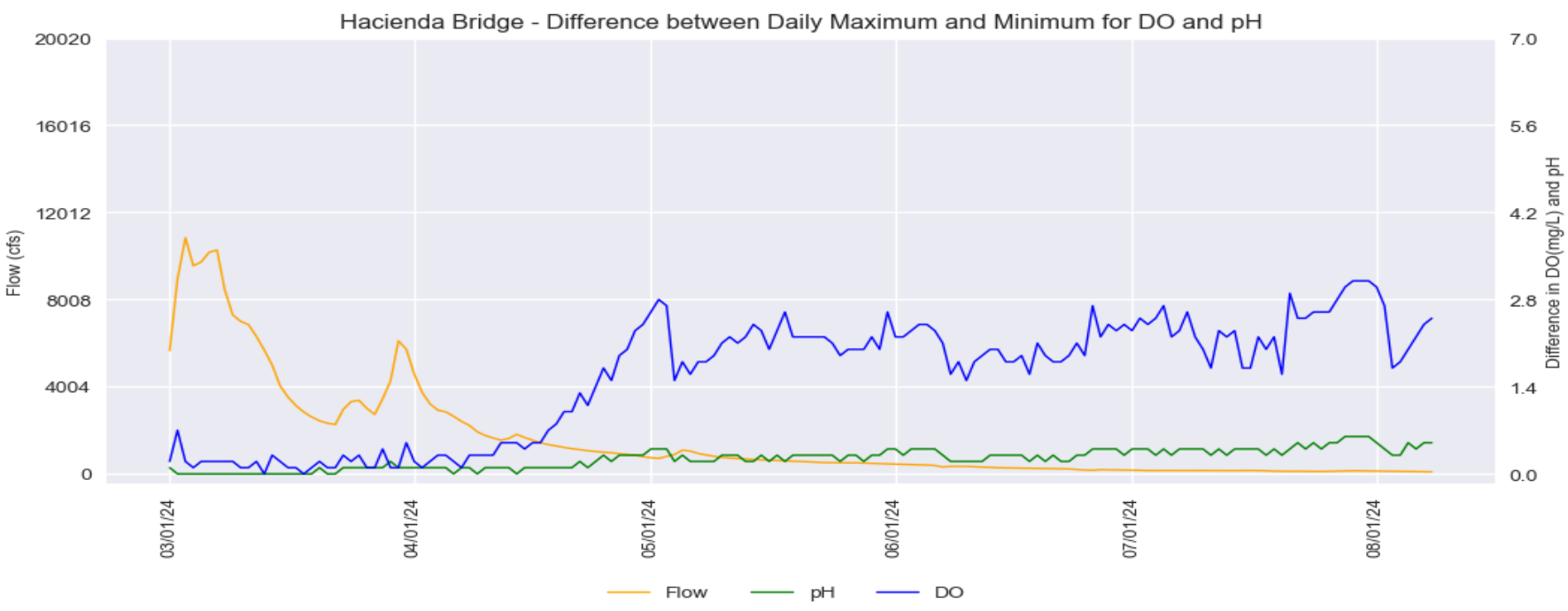
Digger Bend





Hacienda Bridge

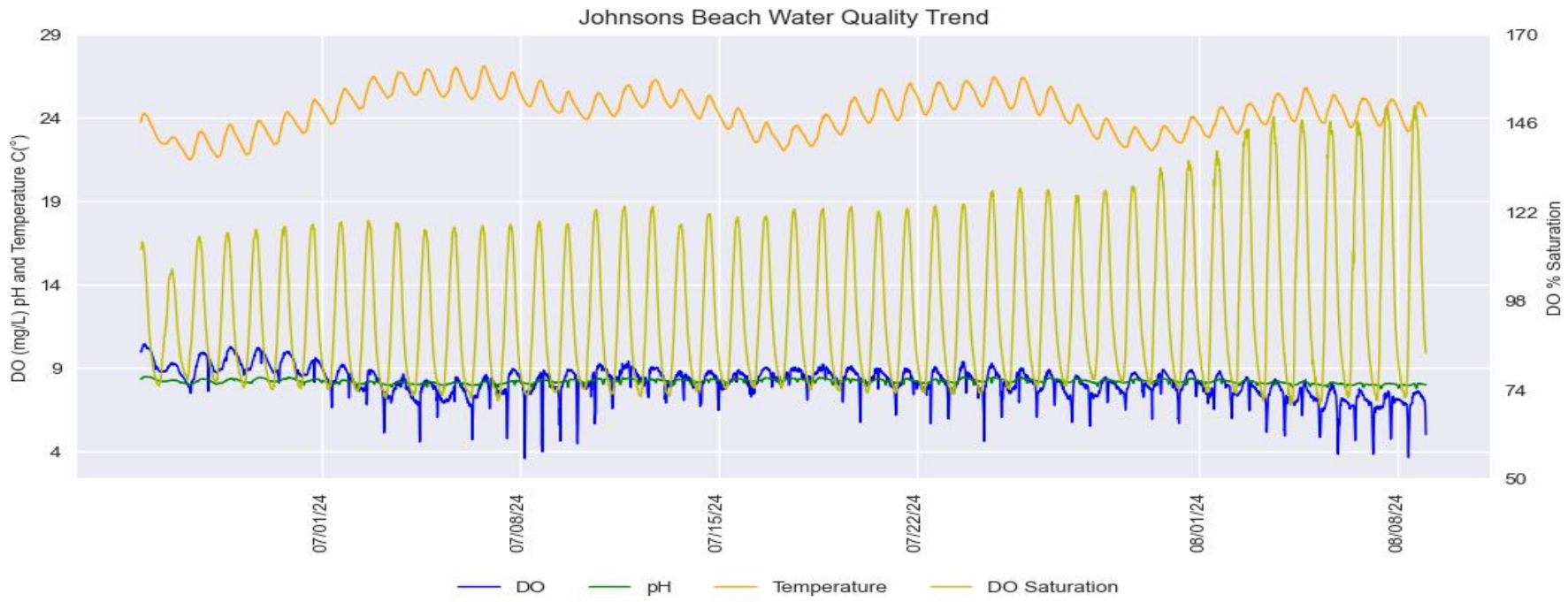


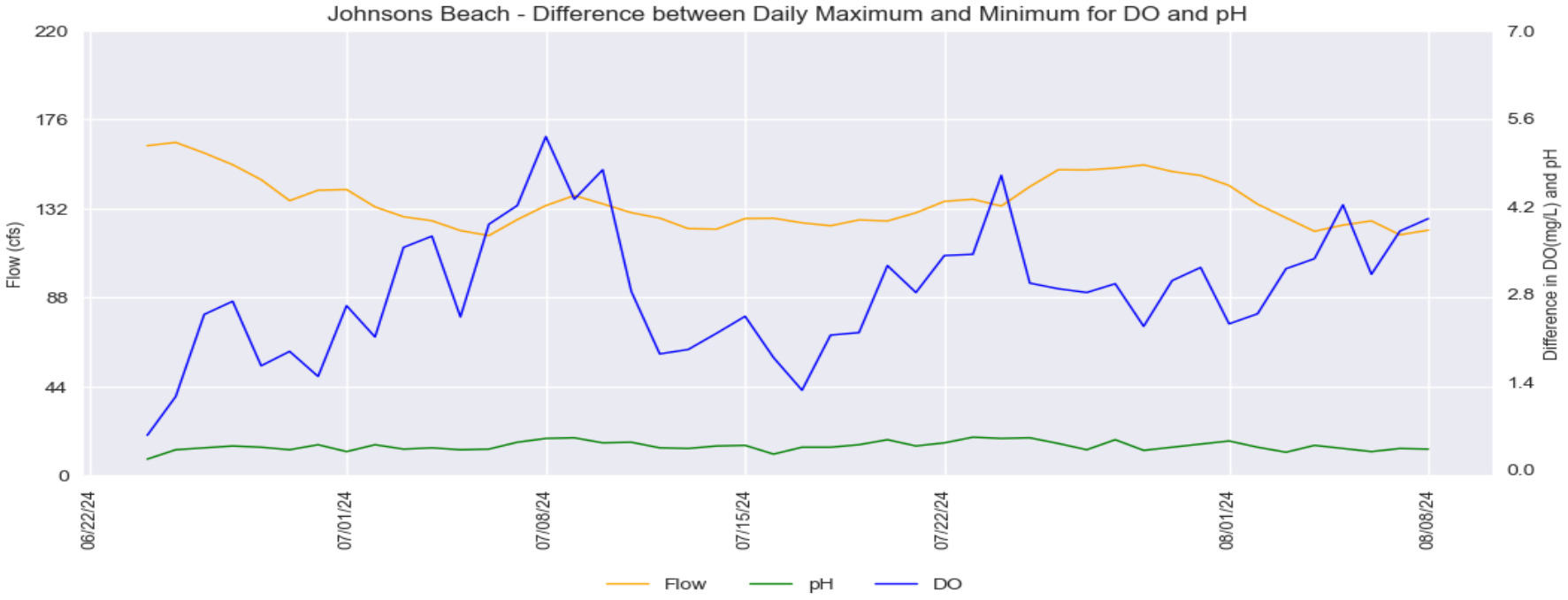


Russian River Water Quality June 24, 2024 – August 8, 2024

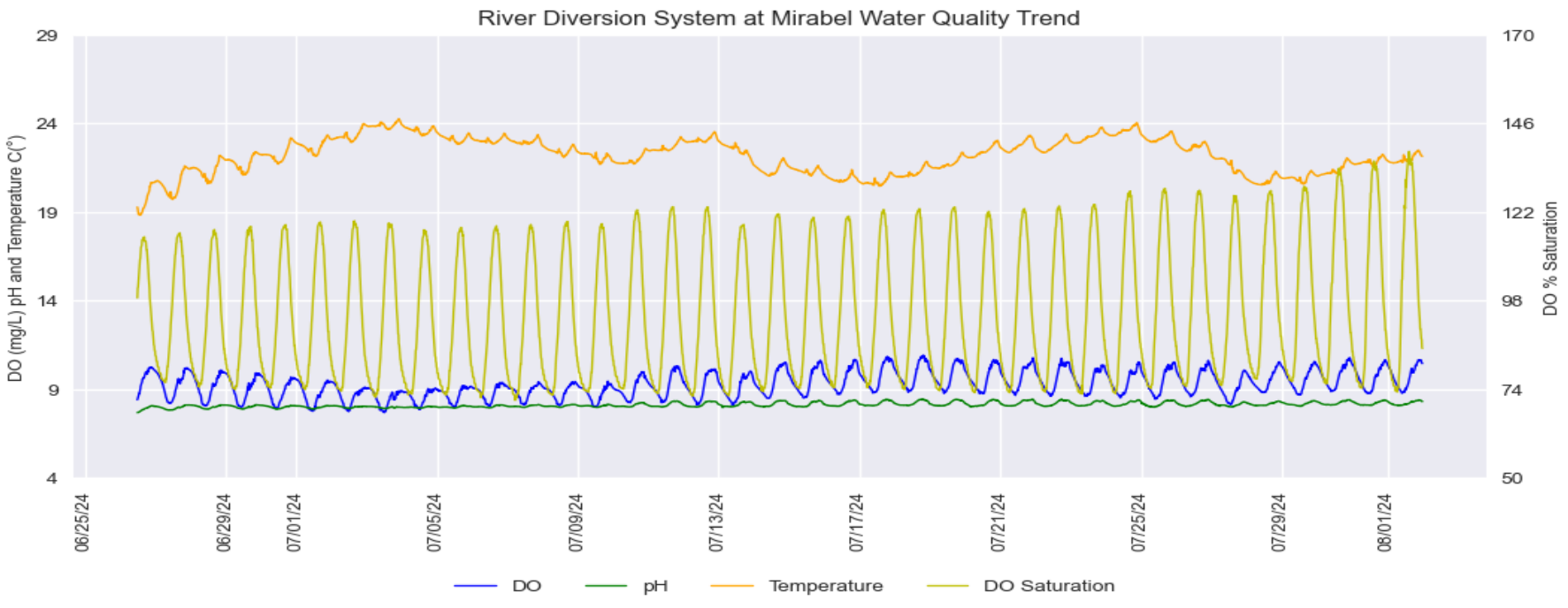
Provisional Data Subject to Revision

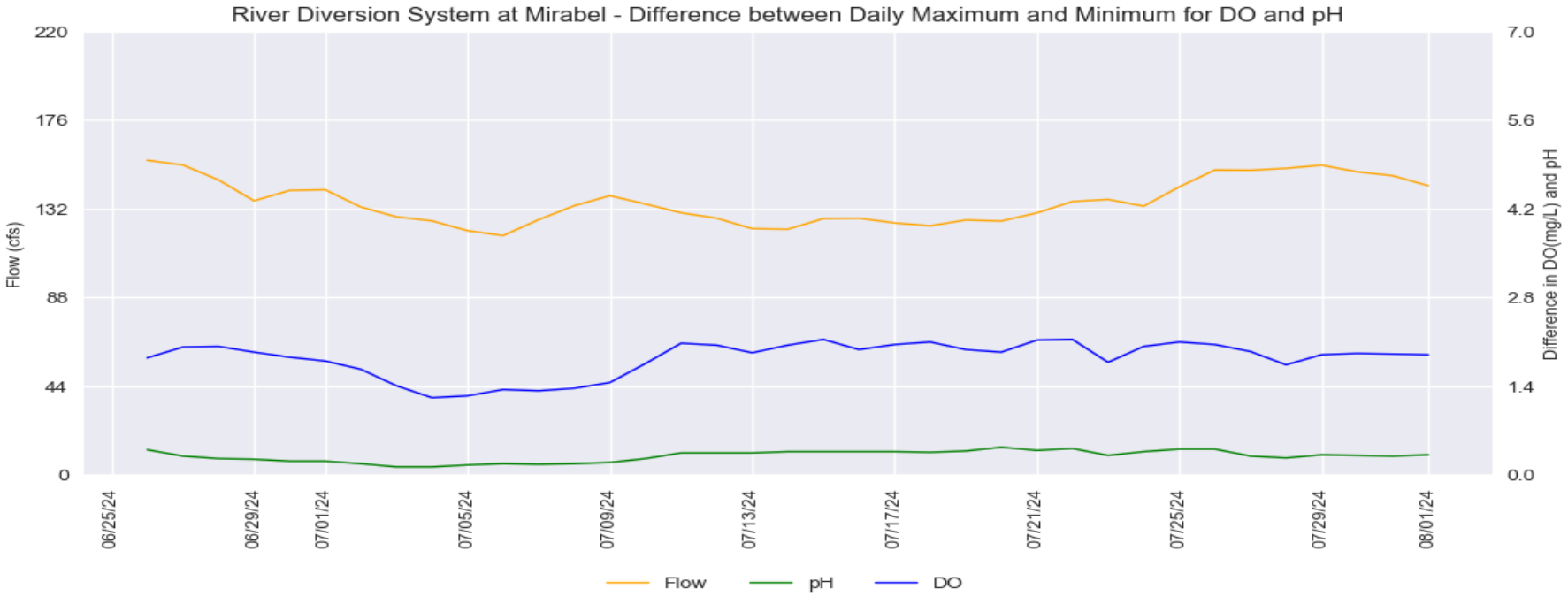
Johnsons Beach





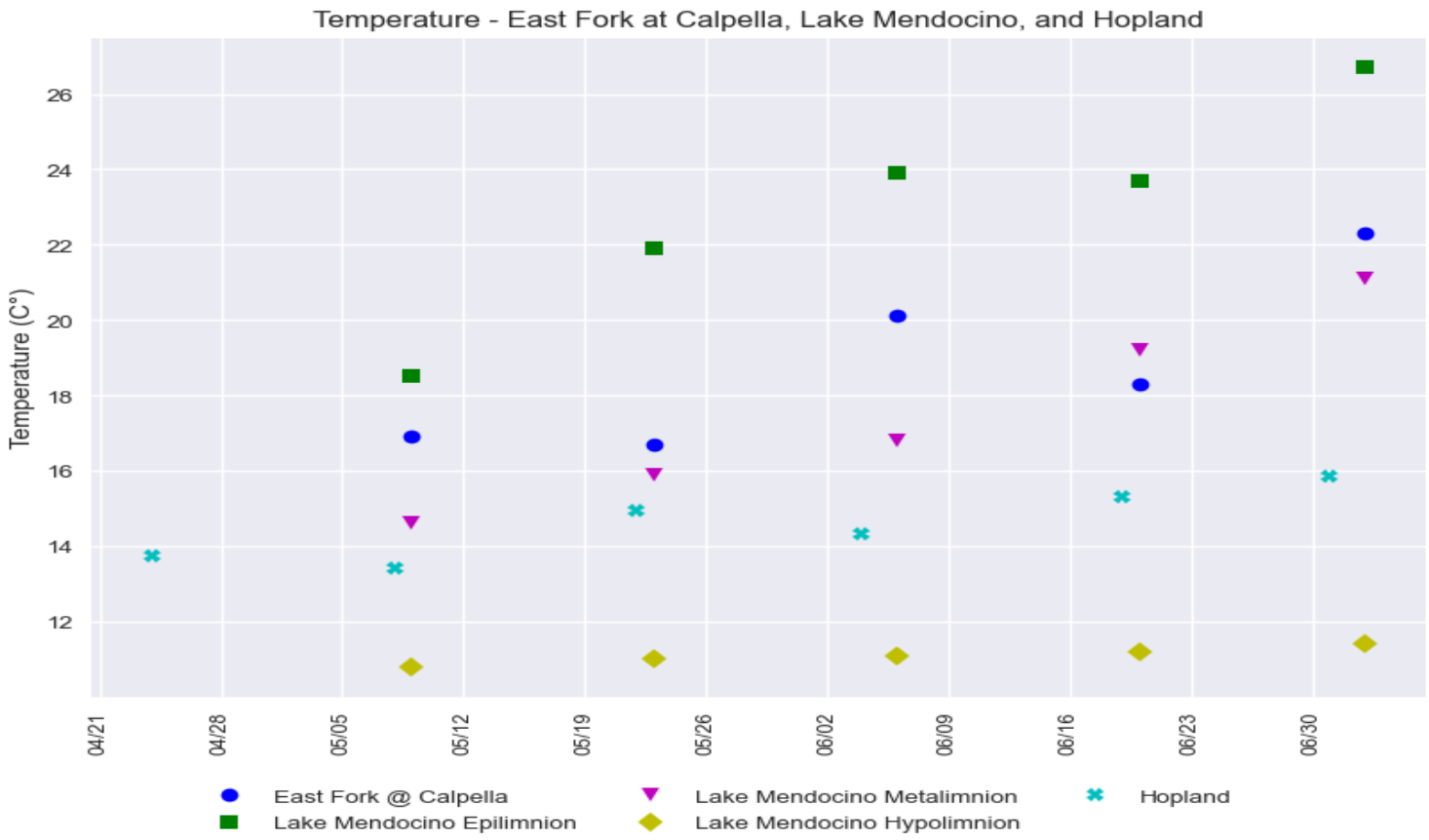
River Diversion System at Mirabel

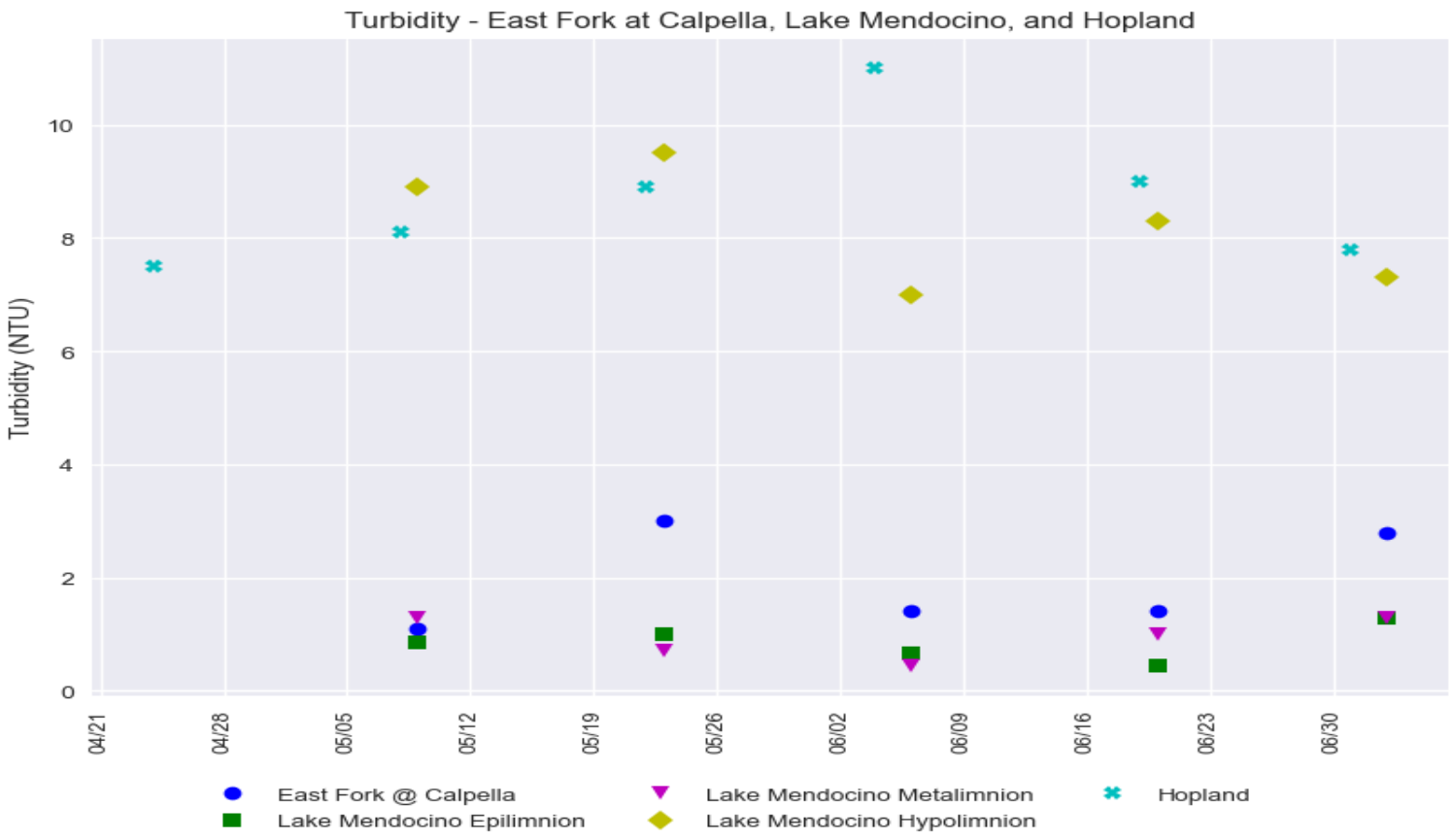


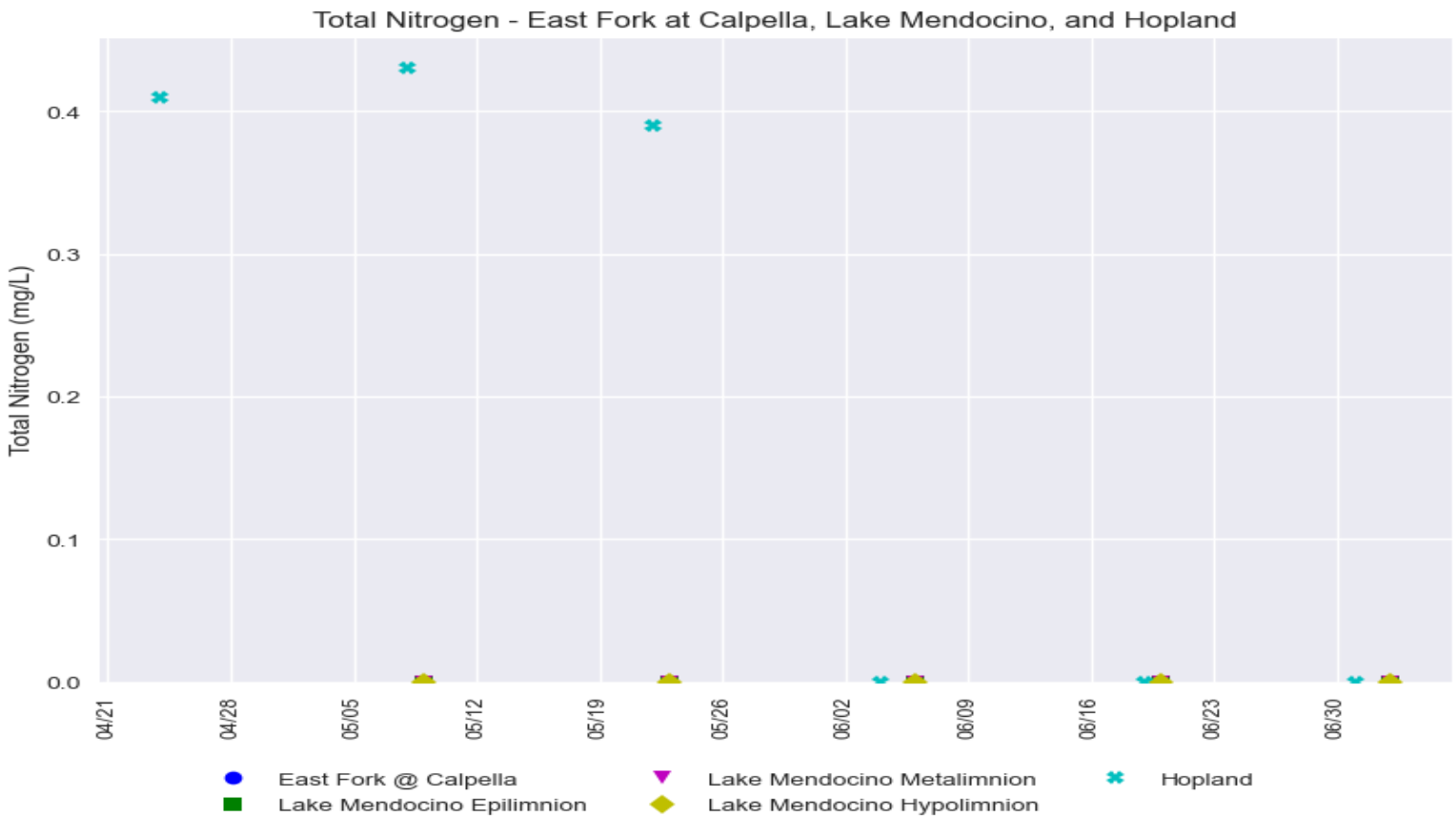


Russian River Water Quality Grab Samples

Provisional Data Subject to Revision

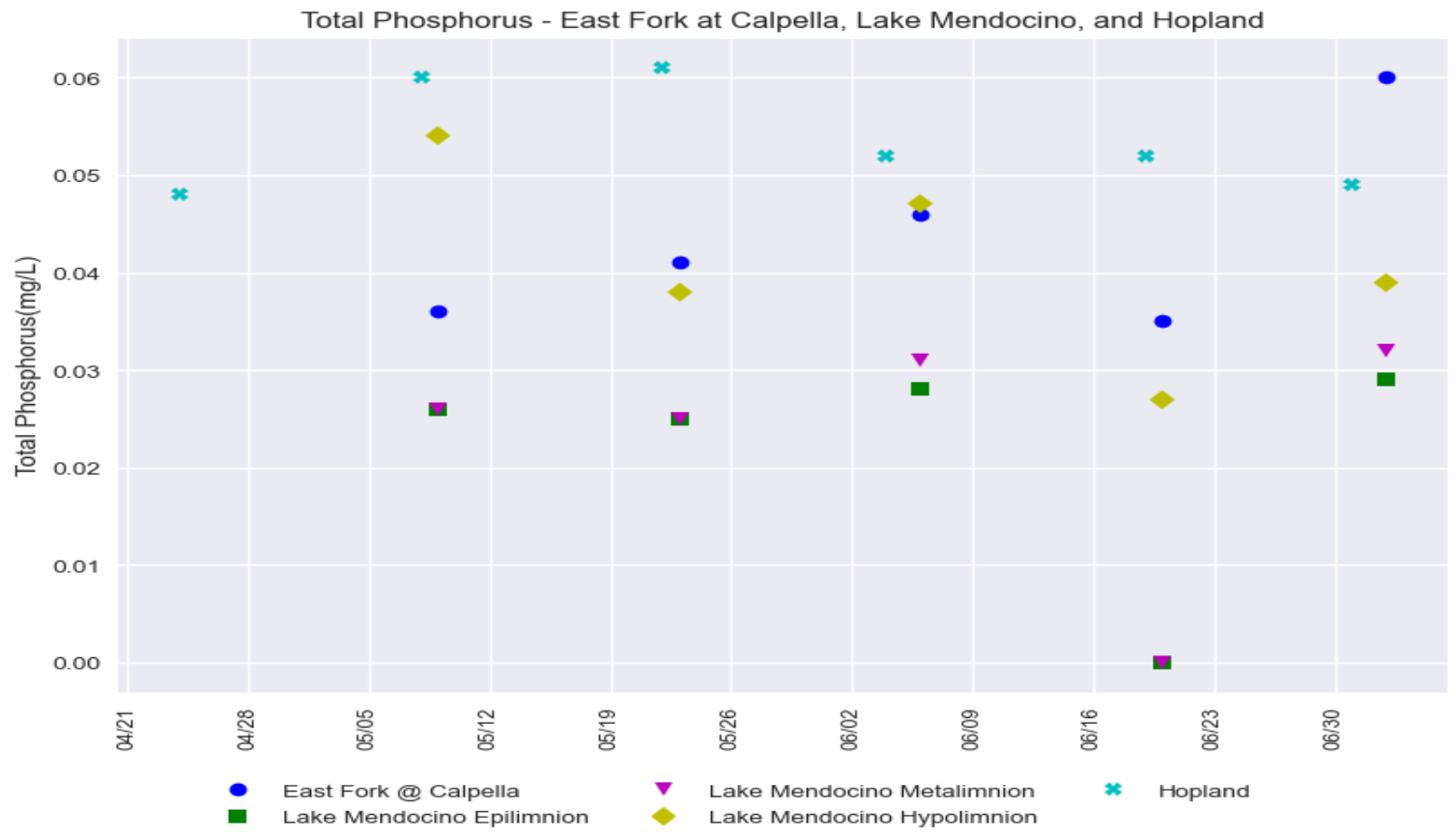


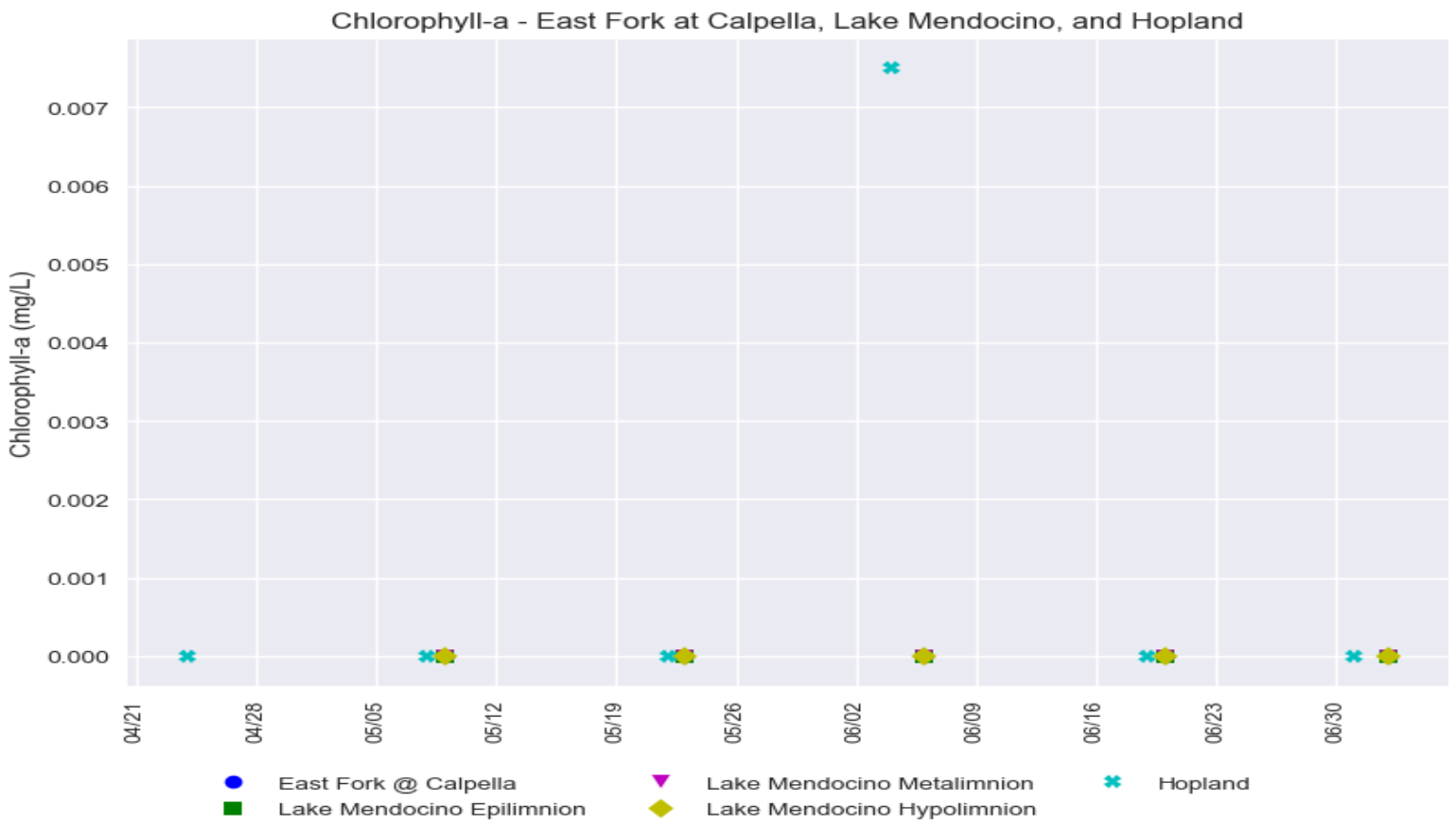




Russian River Water Quality Grab Samples

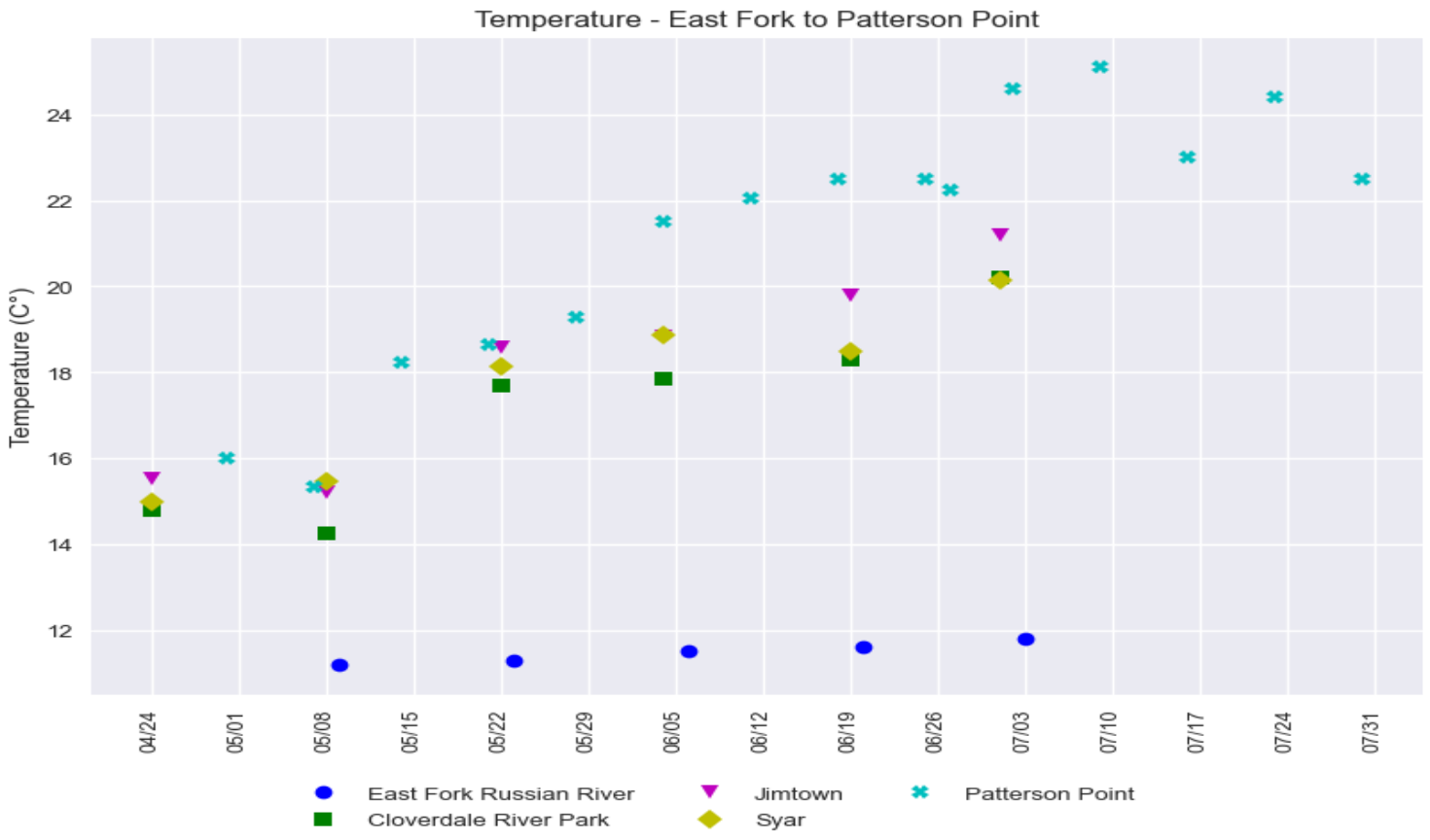
Provisional Data Subject to Revision

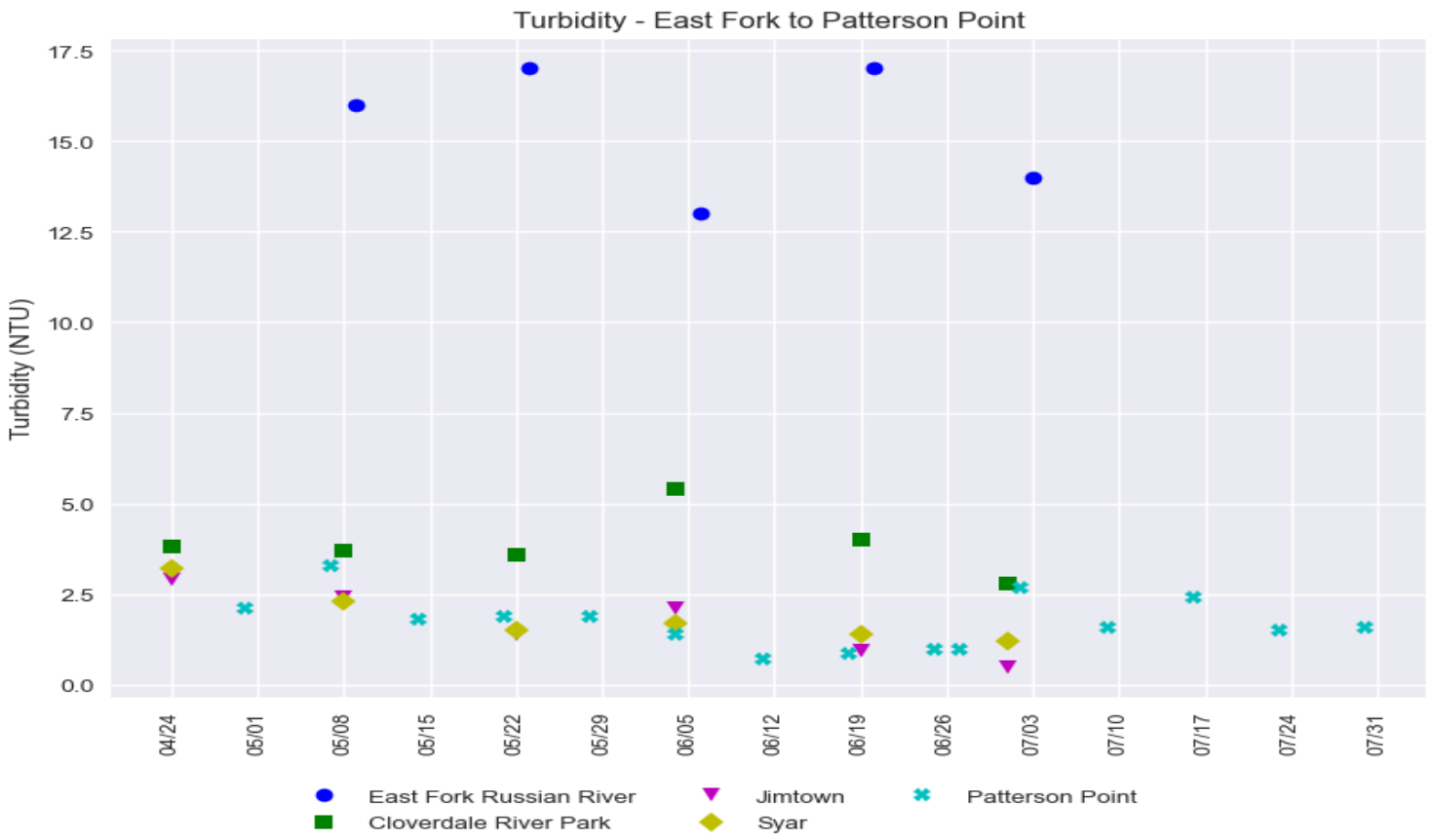


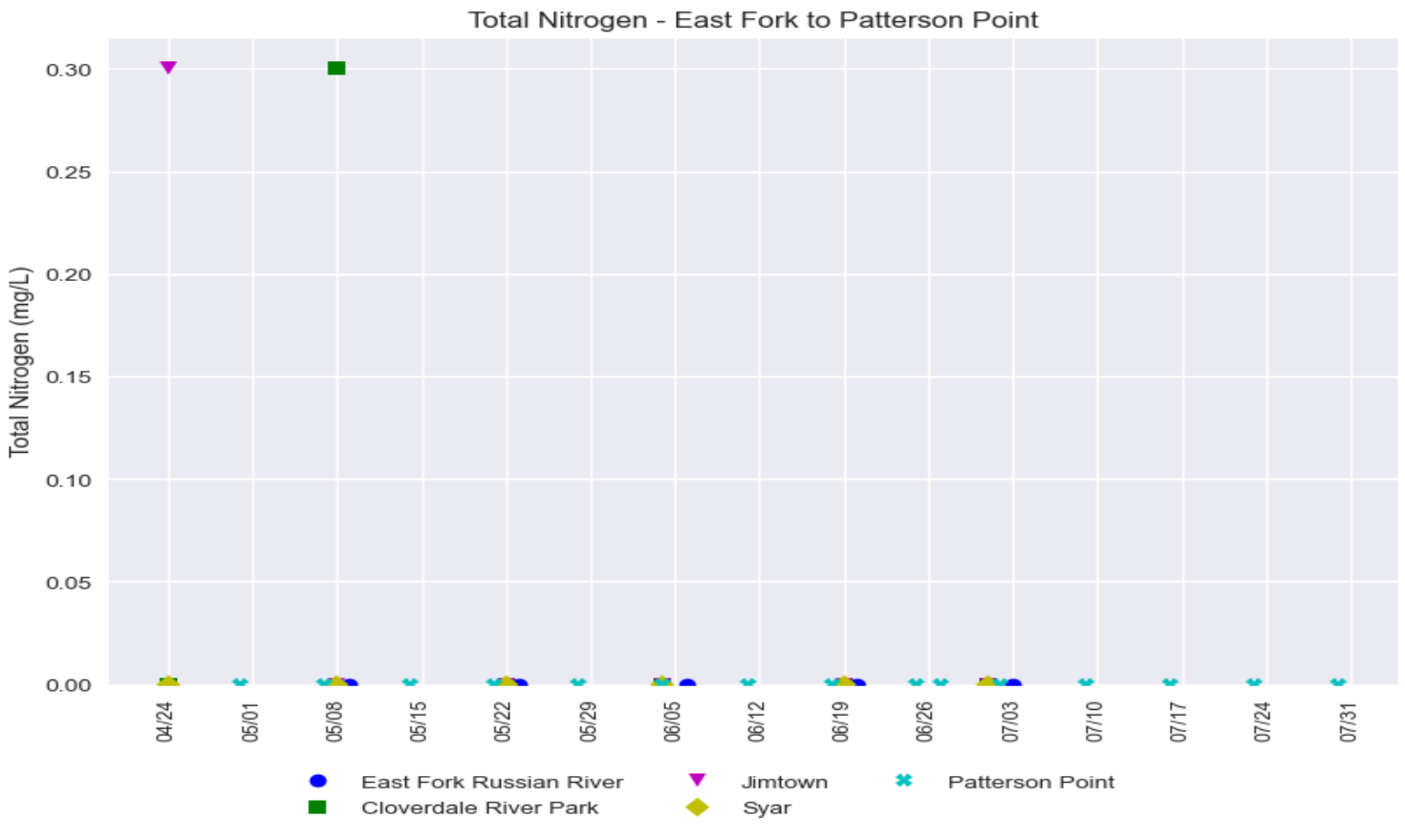


Russian River Water Quality Grab Samples

Provisional Data Subject to Revision

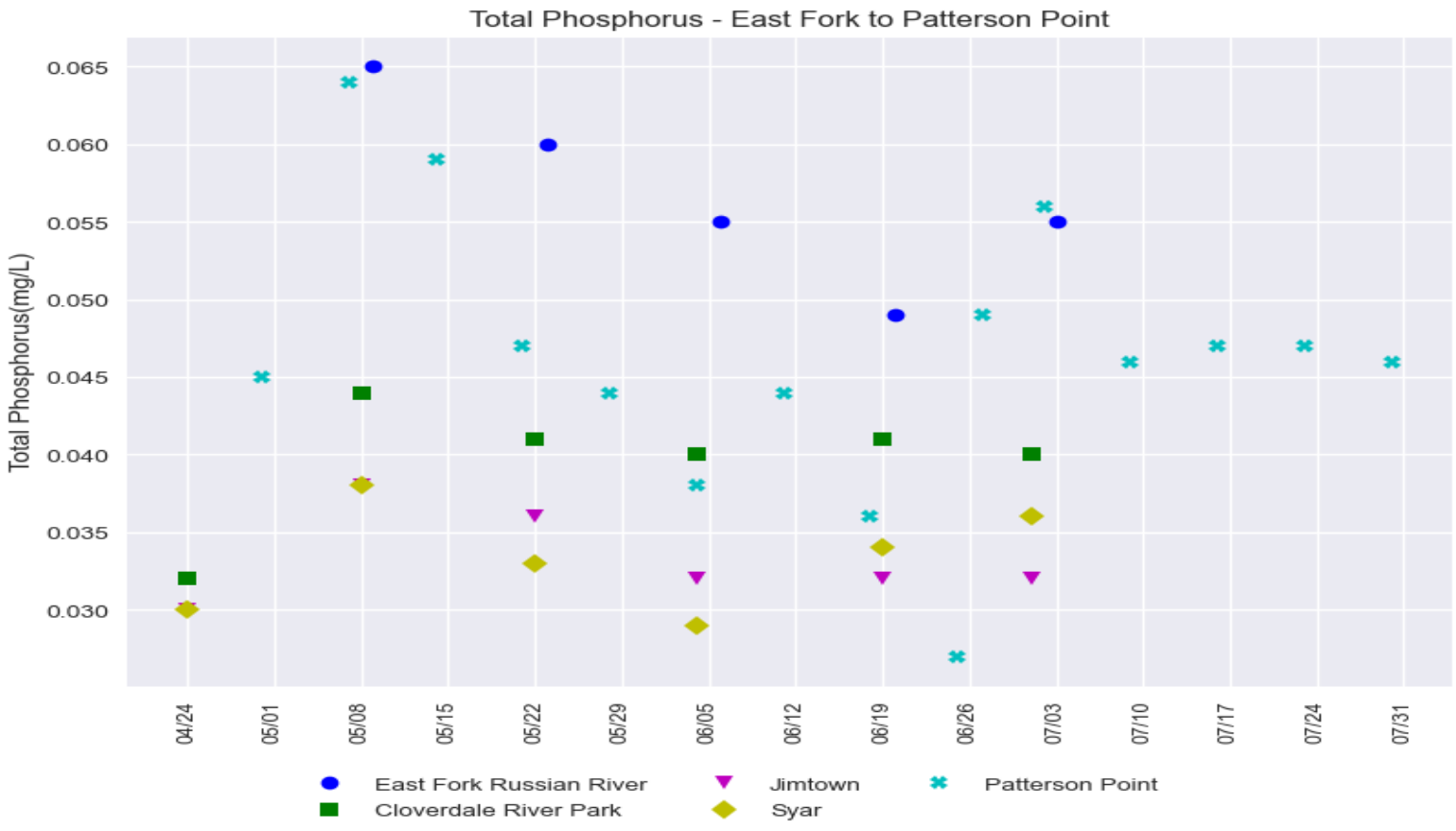


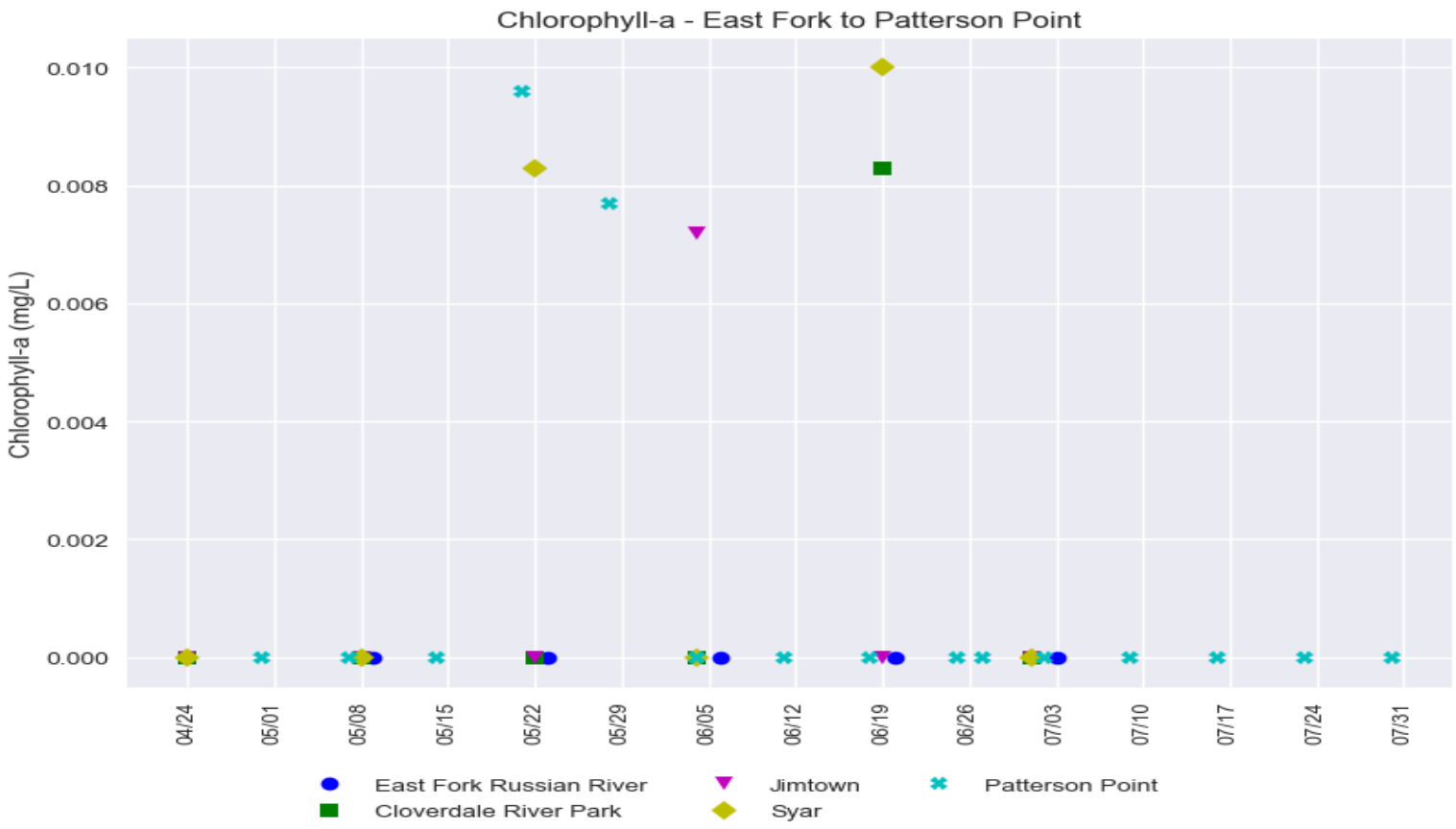




Russian River Water Quality Grab Samples

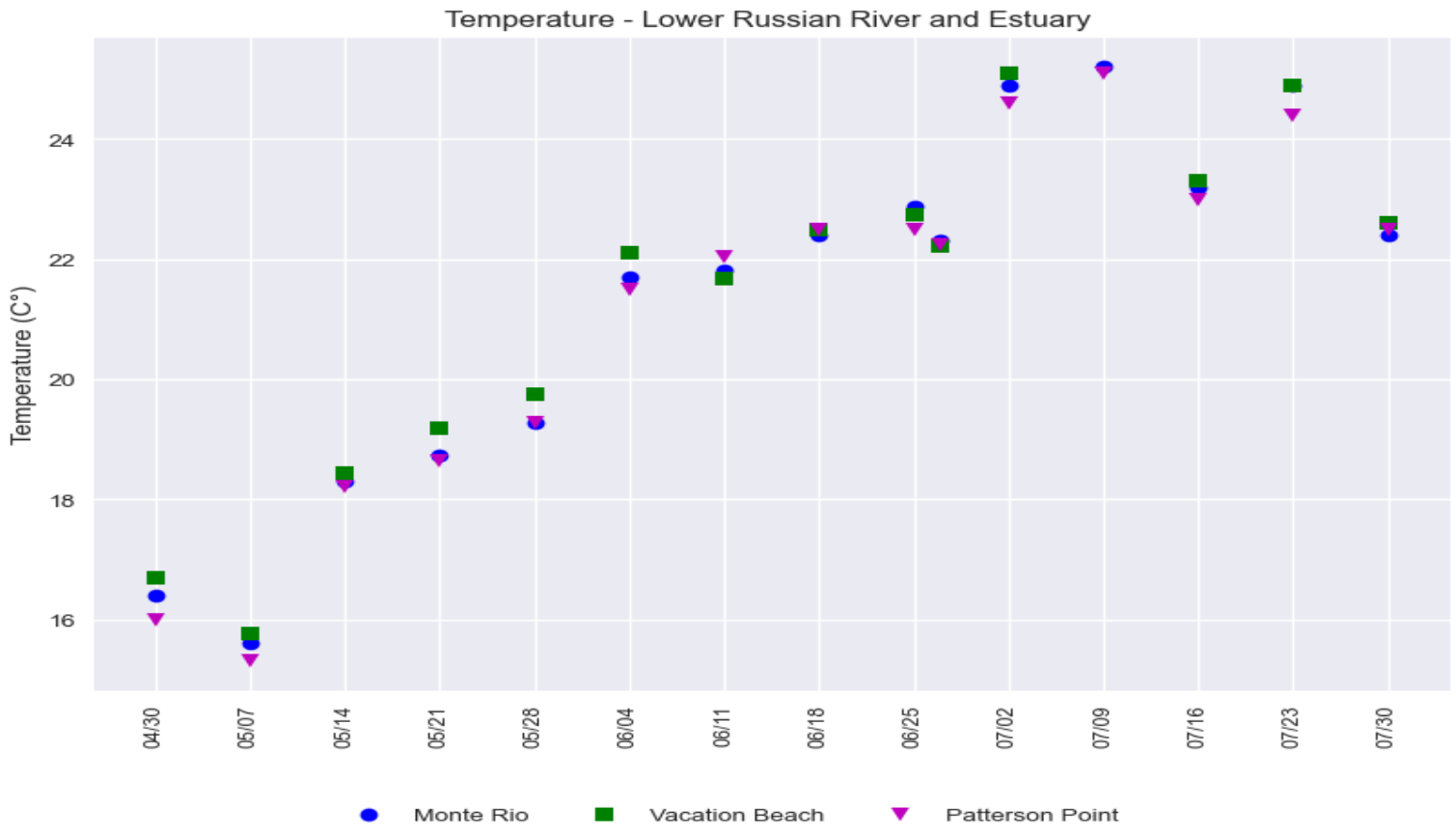
Provisional Data Subject to Revision

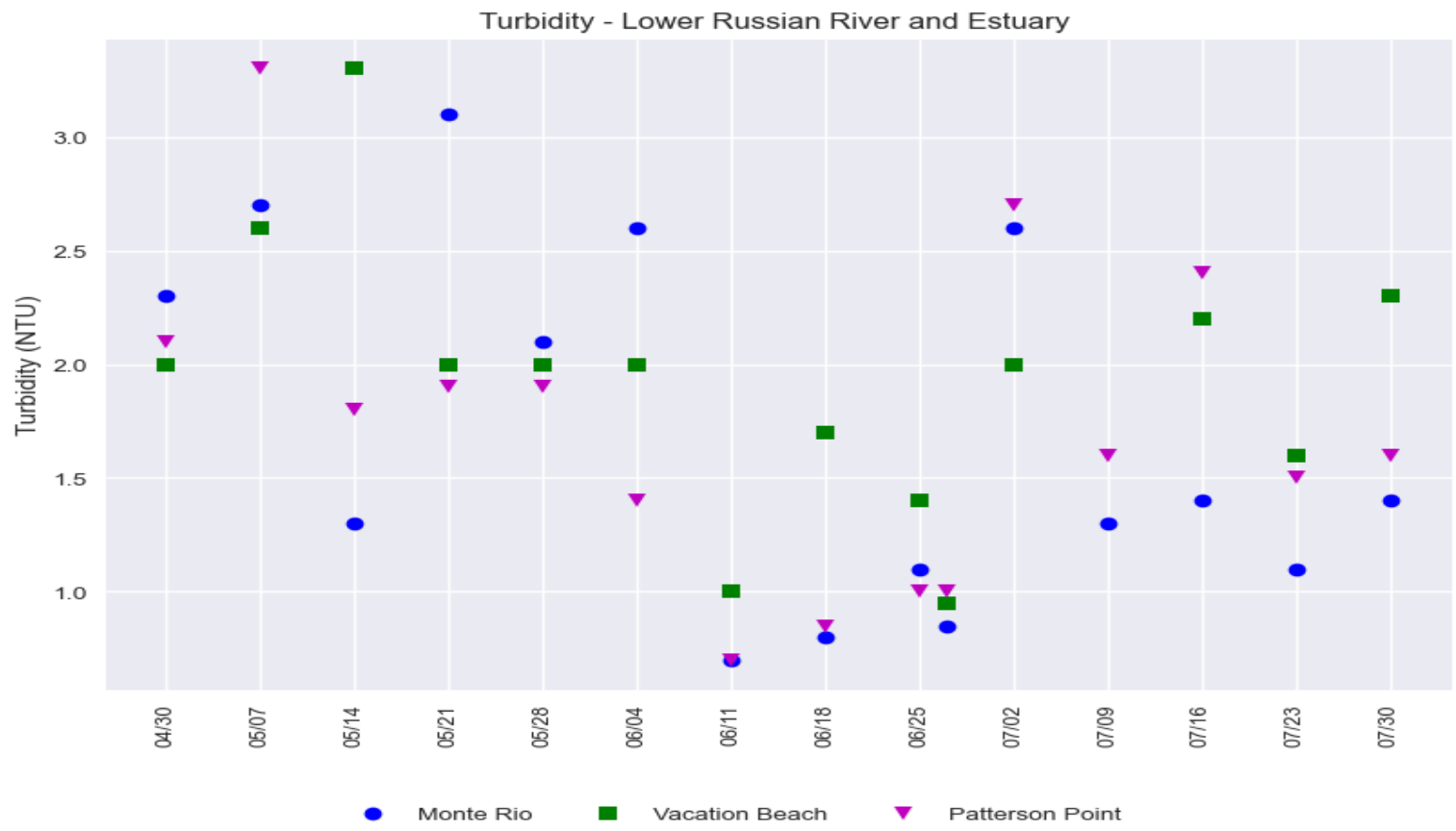


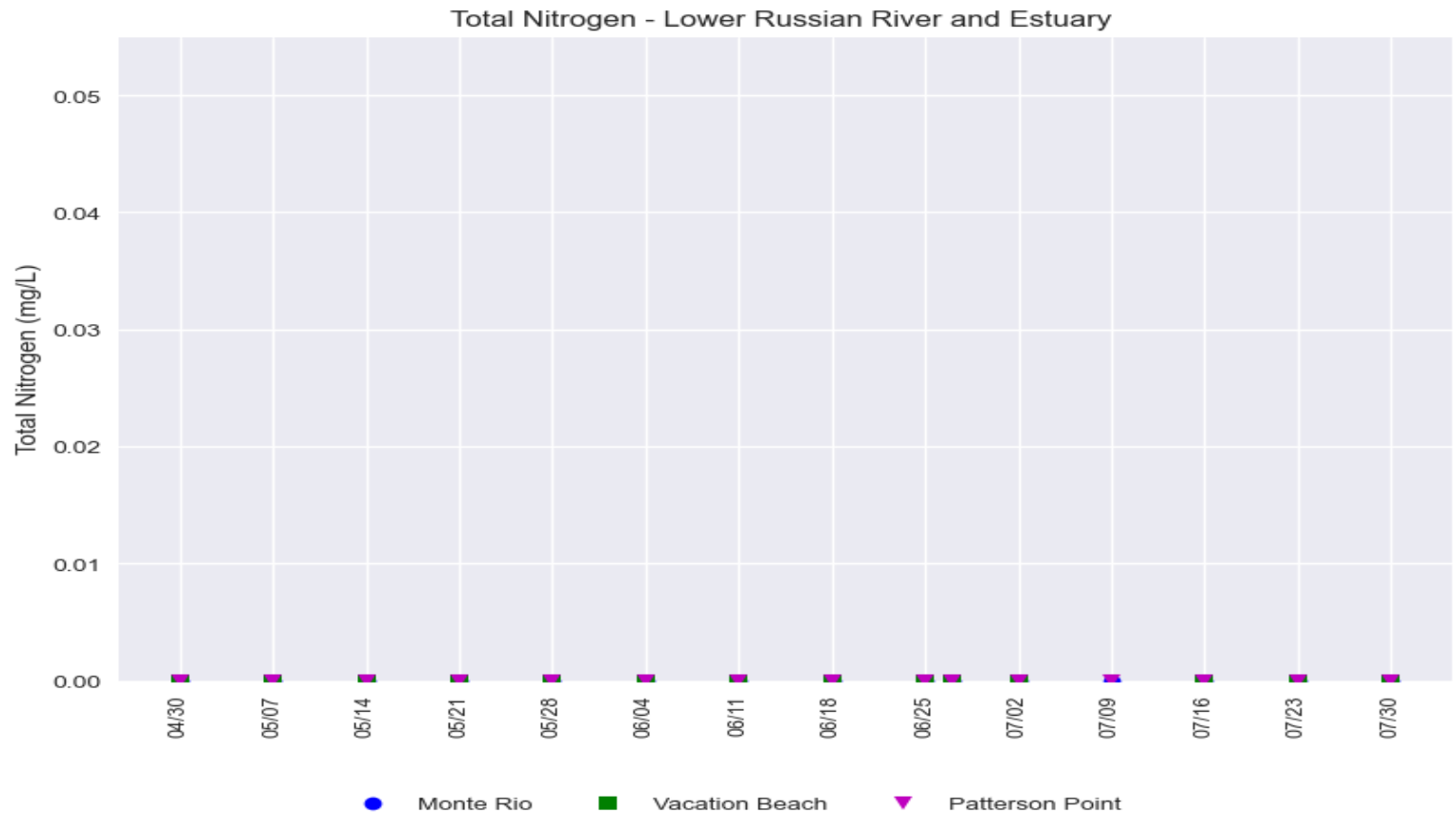


Russian River Water Quality Grab Samples

Provisional Data Subject to Revision

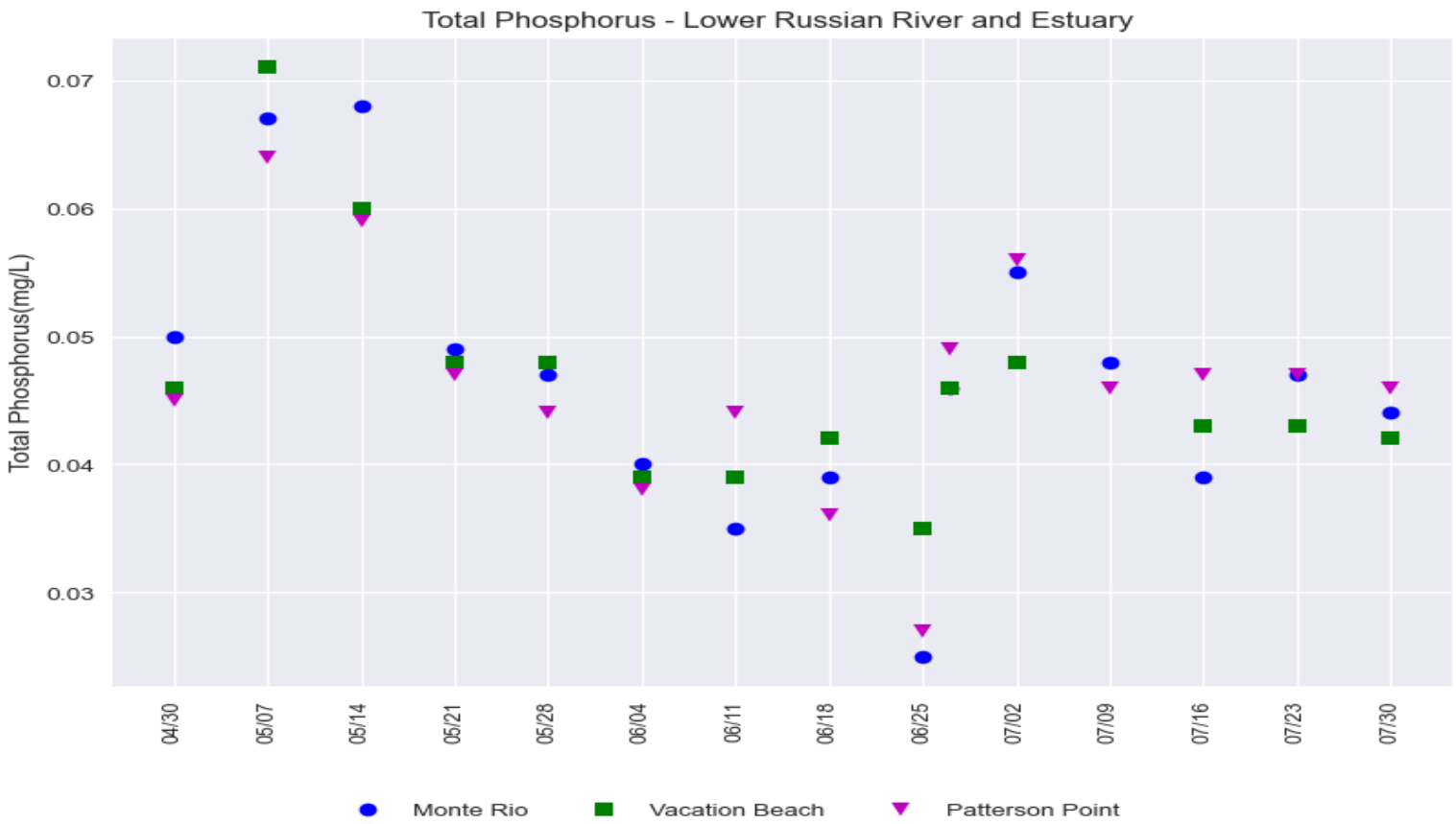


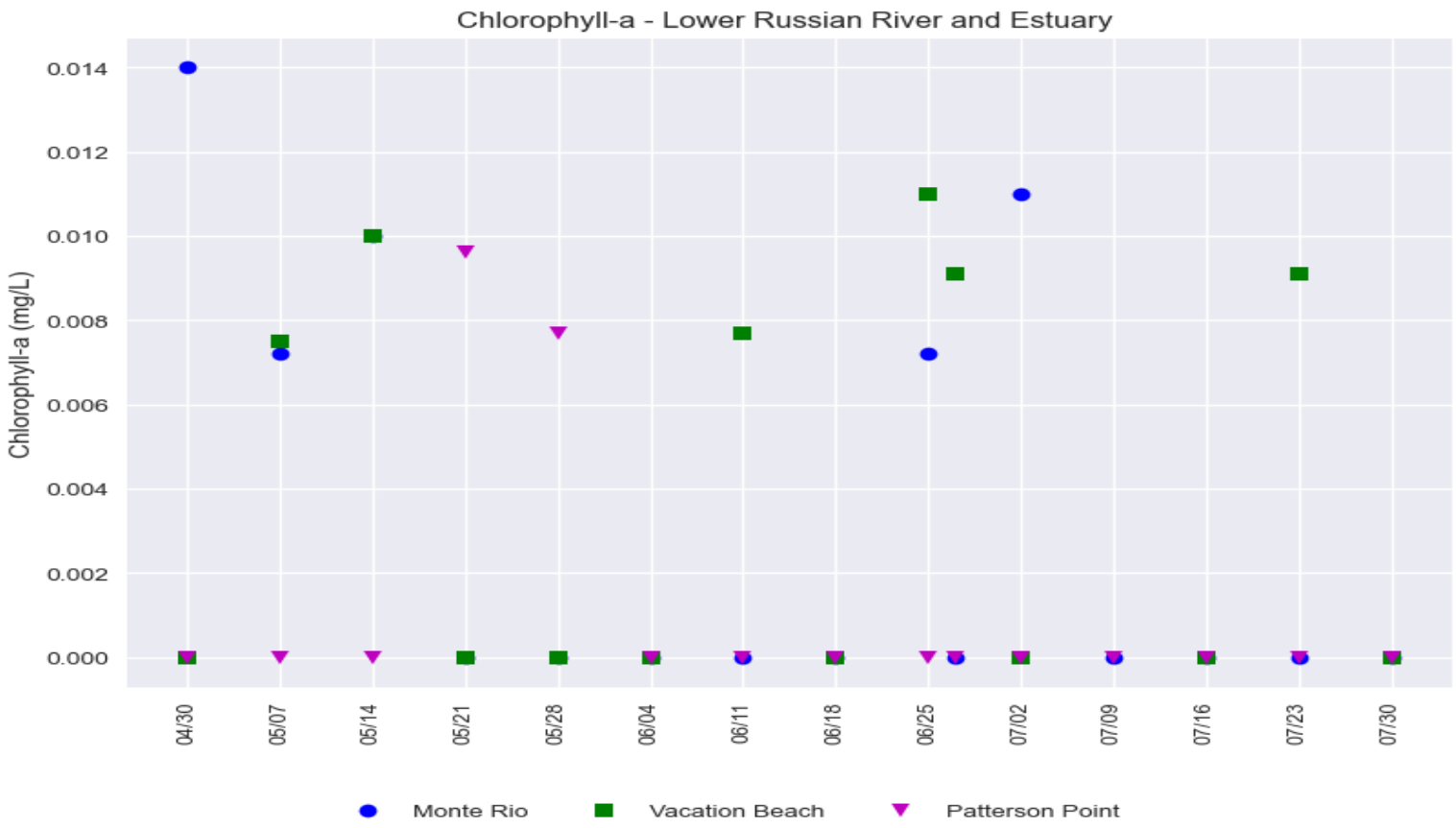




Russian River Water Quality Grab Samples

Provisional Data Subject to Revision





Russian River Water Quality Grab Samples (June 18 - August 6, 2024)
Provisional Data Subject to Revision

Russian River Estuary Standard Bacterial Indicators

Parameter***	CDPH Guidance*	Date	Patterson Point	Monte Rio	Vacation Beach
Total Coliforms MPN/100 mL	10,000	6/18/2024	816.4	920.8	1986.3
		6/25/2024	1782**	3076**	2282**
		6/27/2024	1607**	1722**	2382**
		7/2/2024	4352**	5794**	2613**
		7/16/2024	6131**	3076**	2909**
		7/23/2024	3448**	3255**	1789**
		7/30/2024	1299.7	1732.9	1553.1
		8/6/2024	1789**	2282**	1553**
E. Coli MPN/100 mL	235	6/18/2024	25.6	27.5	25.6
		6/25/2024	39.3	62.4	14.8
		6/27/2024	44.1	56.3	34.5
		7/2/2024	101.2	105	11
		7/16/2024	21.1	4.1	16
		7/23/2024	29.2	25.9	14.6
		7/30/2024	21.1	21.1	20
		8/6/2024	20.1	6.3	6.3
Enterococcus MPN/100 mL****	61	6/18/2024	12.1	23.8	14.5
		6/25/2024	34.1	96	27.9
		6/27/2024	16.9	16	19.3
		7/2/2024	34.1	238.2	24.6
		7/16/2024	5.2	1	3.1
		7/23/2024	21.3	9.7	1
		7/30/2024	14.5	5.2	7.5
		8/6/2024	6.3	1	<1.0

*California Department of Public Health (CDPH) Guidance for Fresh Water Beaches - Single Sample Values:

Freshwater beaches include Patterson Point, Monte Rio, and Vacation Beach

Beach posting is recommended when indicator organisms exceed any of the above corresponding levels

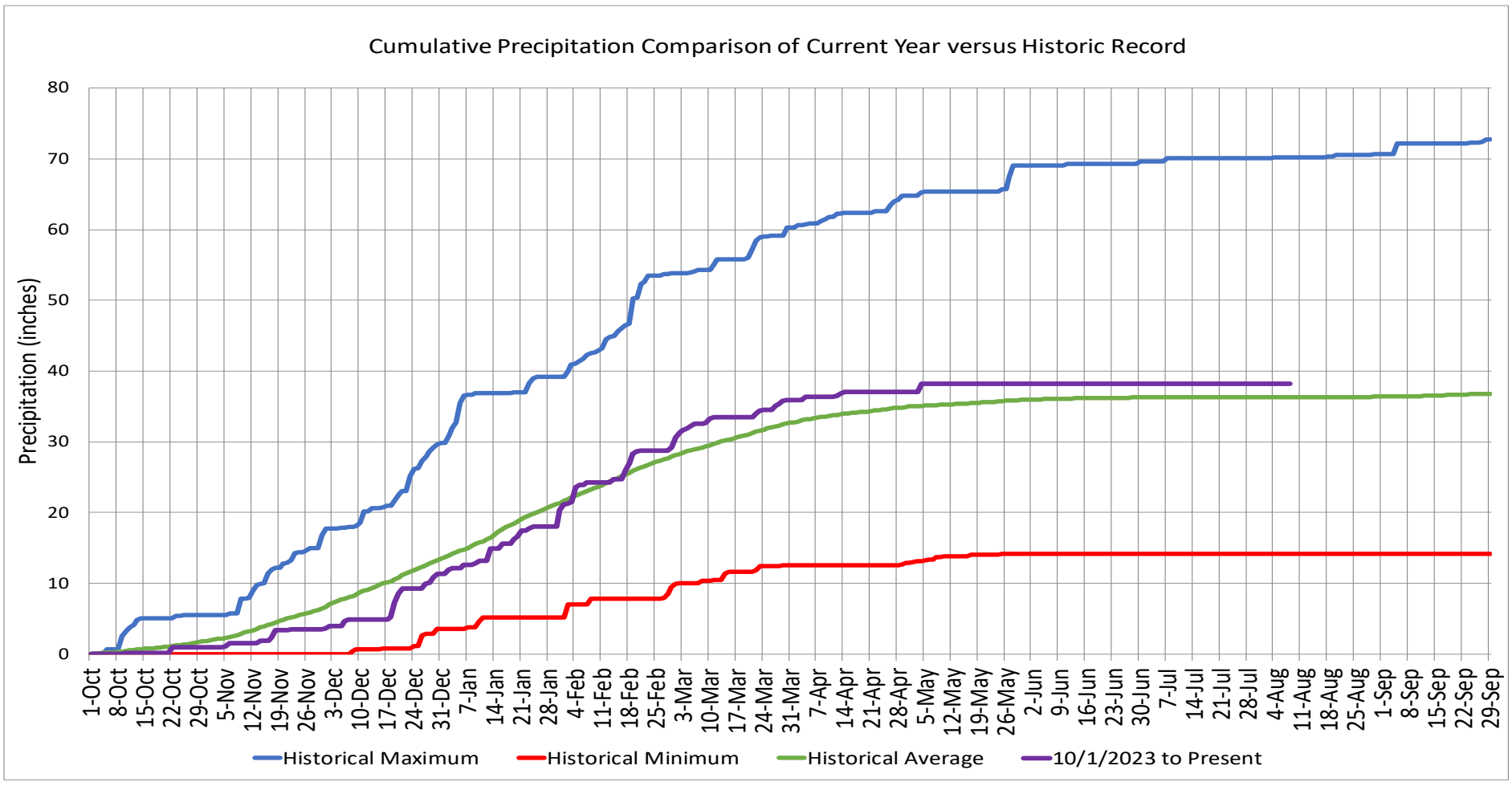
**Sample diluted 1:10

***Method Detection Limit for all parameters = 2 MPN/100 mL or 20 MPN/100 mL if sample diluted

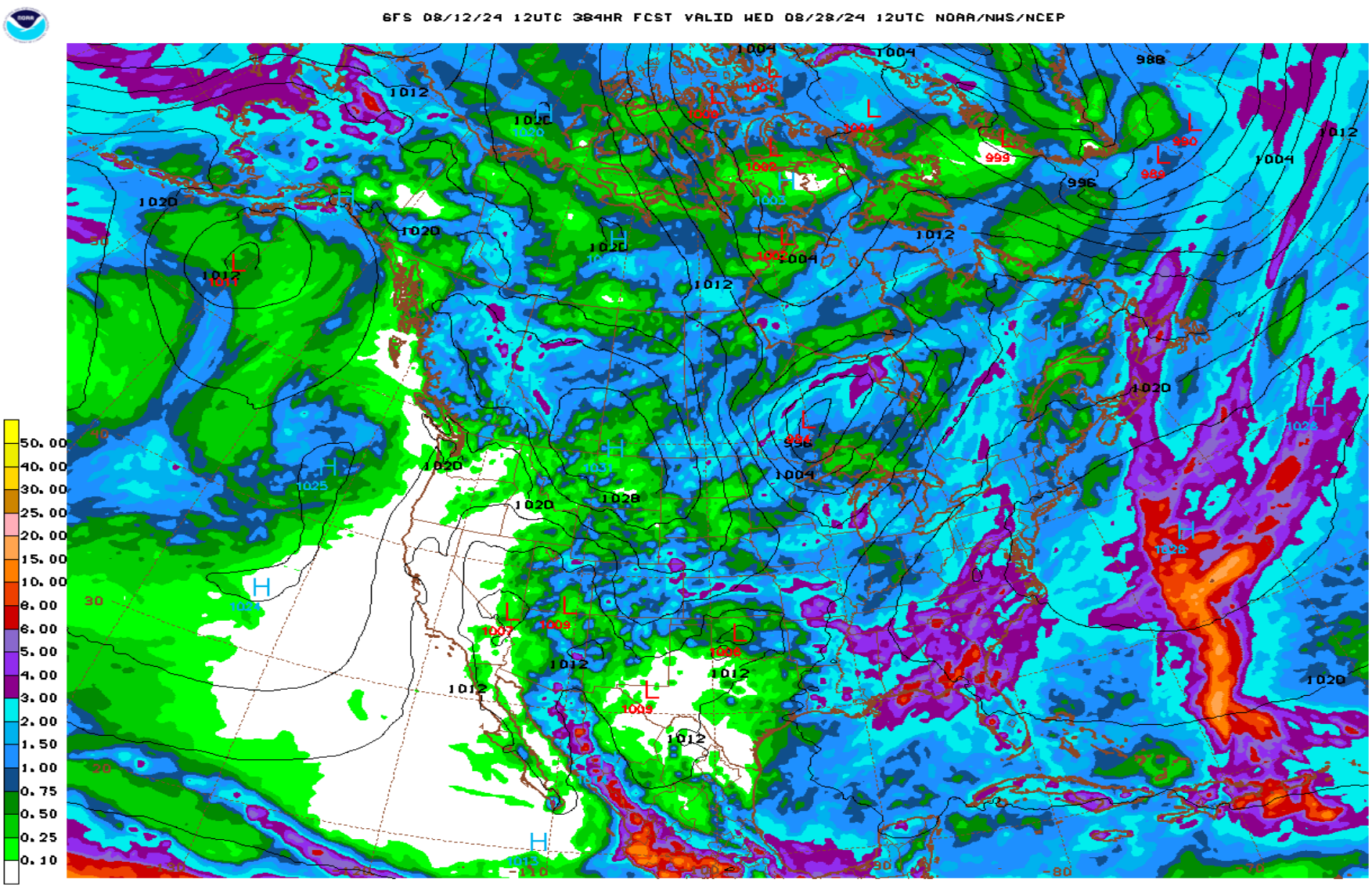
****We continue to collect enterococcus data, however it is not a reliable fecal indicator bacteria in freshwater environments and is not being relied upon for posting at freshwater beaches, per SoCo DHS and NCRWQCB.

Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2023 - Aug 8, 2024	**38.22**
Last 7 Days*	**0.00**



Global Forecast System Model 16-day Cumulative Precipitation Forecast



Date Range	Forecasted Cumulative (inches)
Aug 12 - Aug 28, 2024	**0.00**