State Water Resources Control Board
Temporary Urgency Change Orders (6/6/2024)

Russian River Hydrologic & Water Quality Report
September 20, 2024 - September 26, 2024

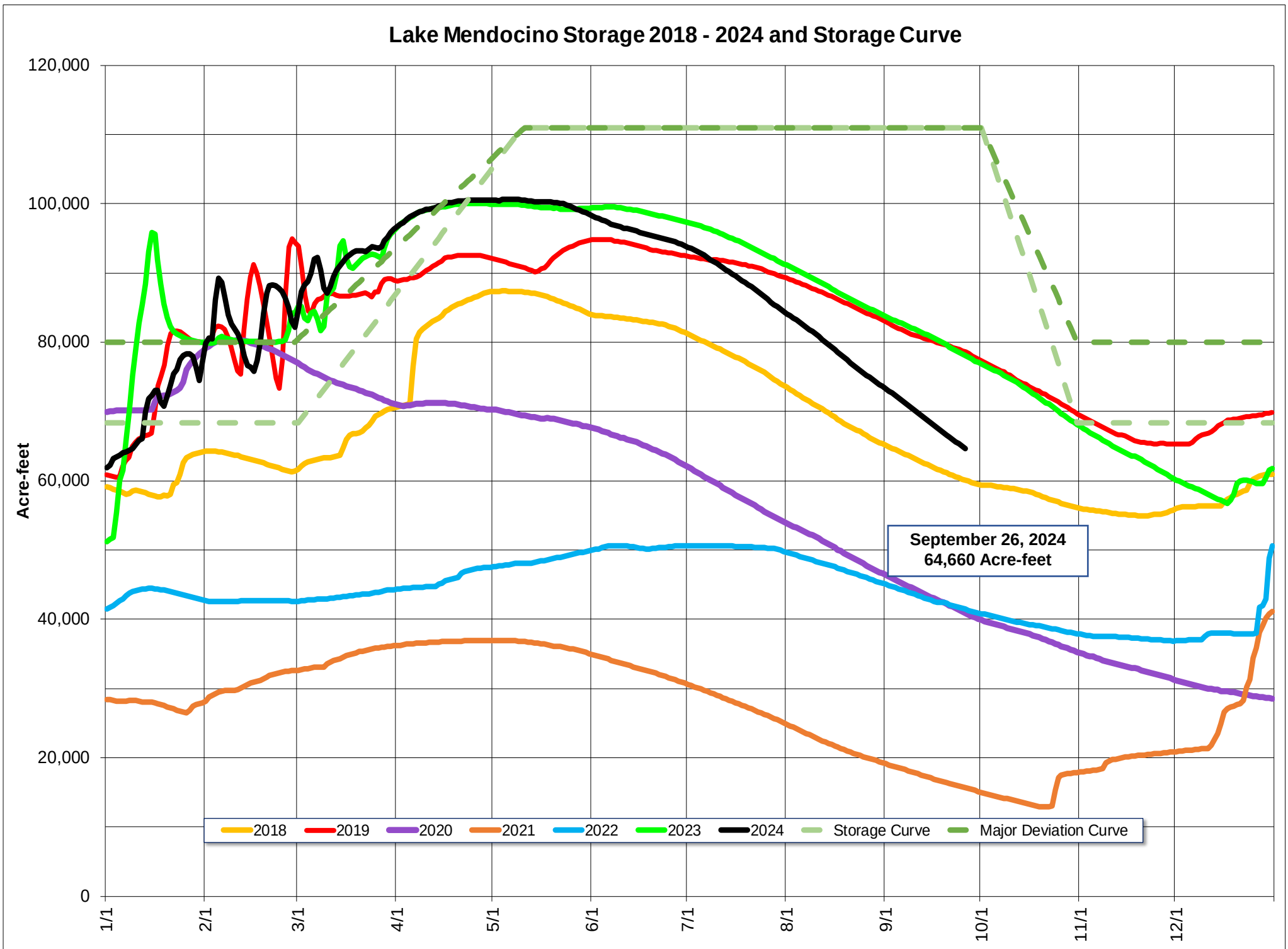
Prepared as a requirement of the Orders approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of September 26, 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.

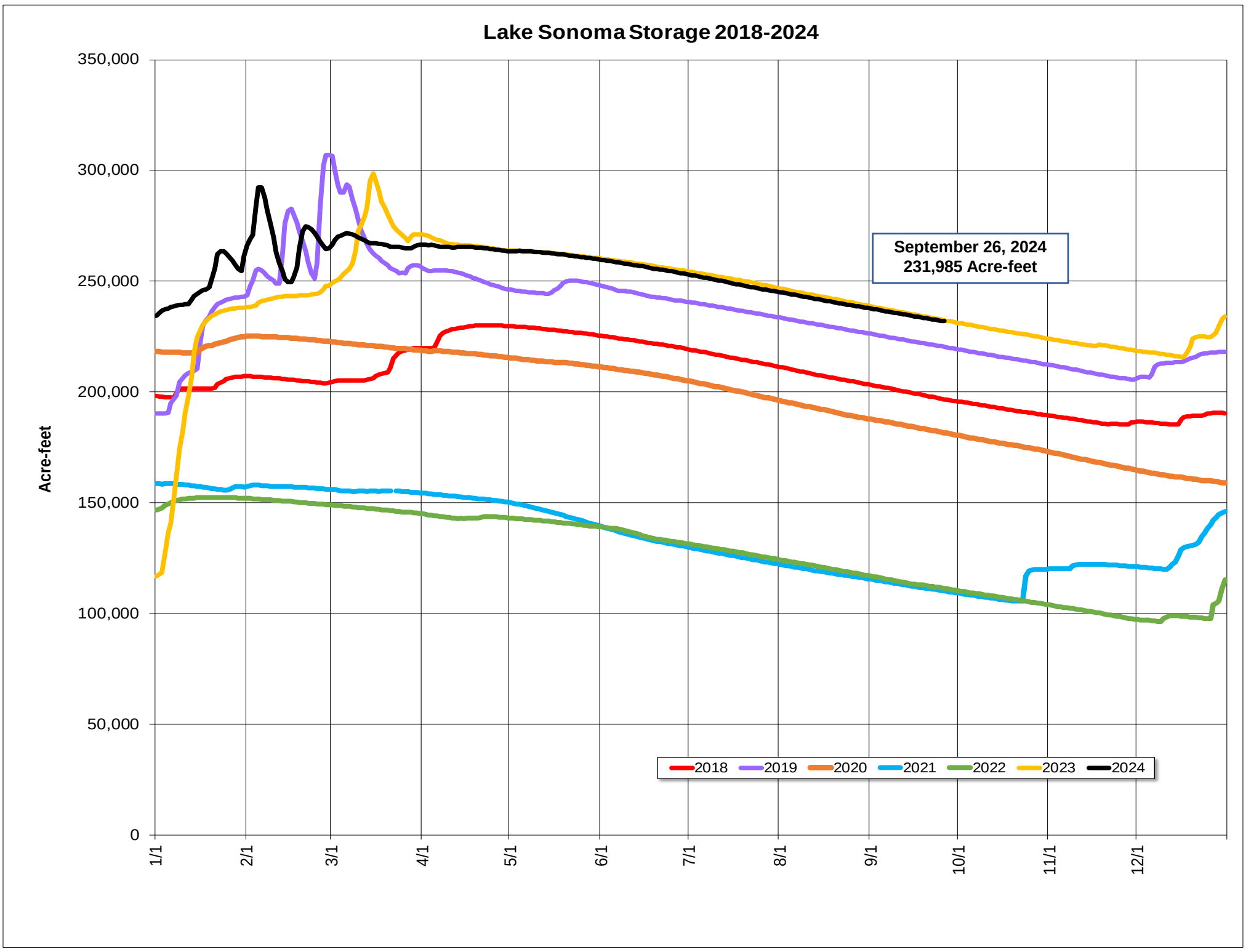
Lake Mendocino



Storage (acre-feet)	September 26, 2024	**64,660**	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	**-10,236**	**-341**
	Last 7 days	**-1,924**	**-275**
Daily Inflow (cfs)	Last 7 days	Min	**29**
		Max	**44**
		Mean	**40**
Release (cfs)	Last 7 days	Min	**189**
		Max	**189**
		Mean	**189**

Lake Sonoma

Todd Schram, February 10 , 2024



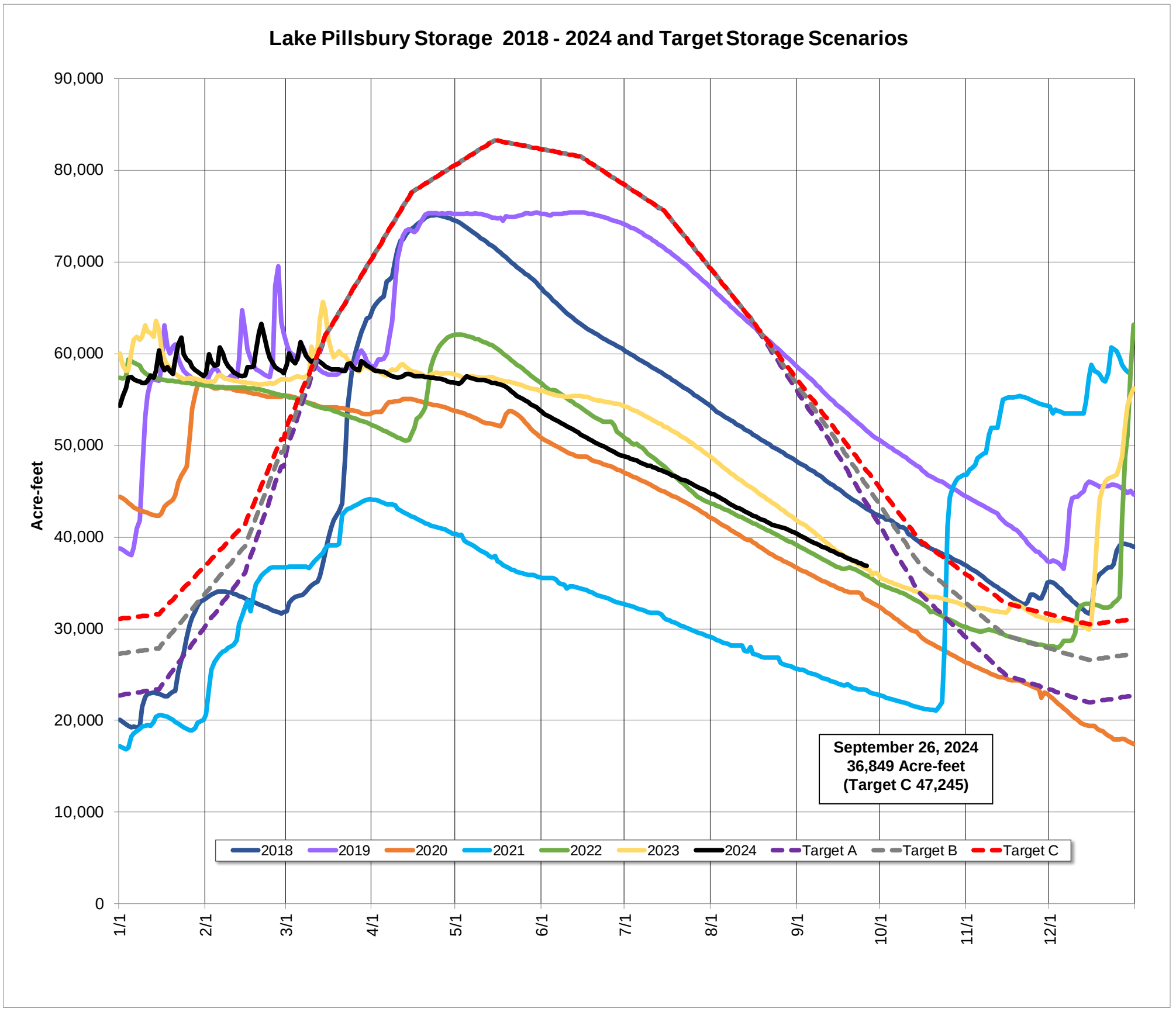
Storage (acre-feet)	September 26, 2024	**231,985**	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	**-6,857**	**-229**
	Last 7 days	**-1,529**	**-218**
Daily Inflow (cfs)	Last 7 days	Min	**0**
		Max	**18**
		Mean	**4**
Release (cfs)	Last 7 days	Min	**97**
		Max	**97**
		Mean	**97**

Potter Valley Project

PVP Diversion (cfs)	September 26, 2024	**46**

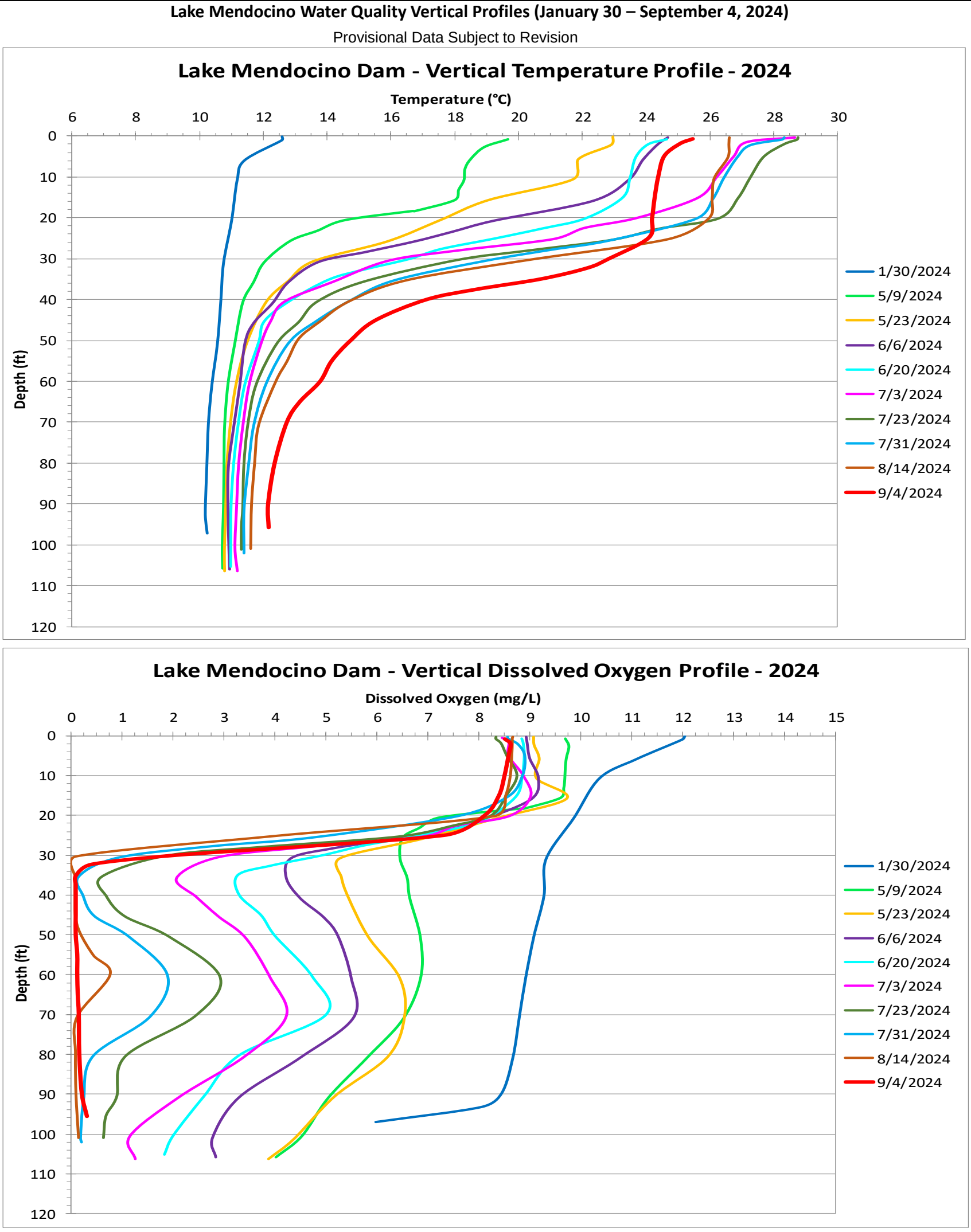
Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - September 26, 2024	**487,723**	**1,347**
	Last 7 days	**189**	**27**

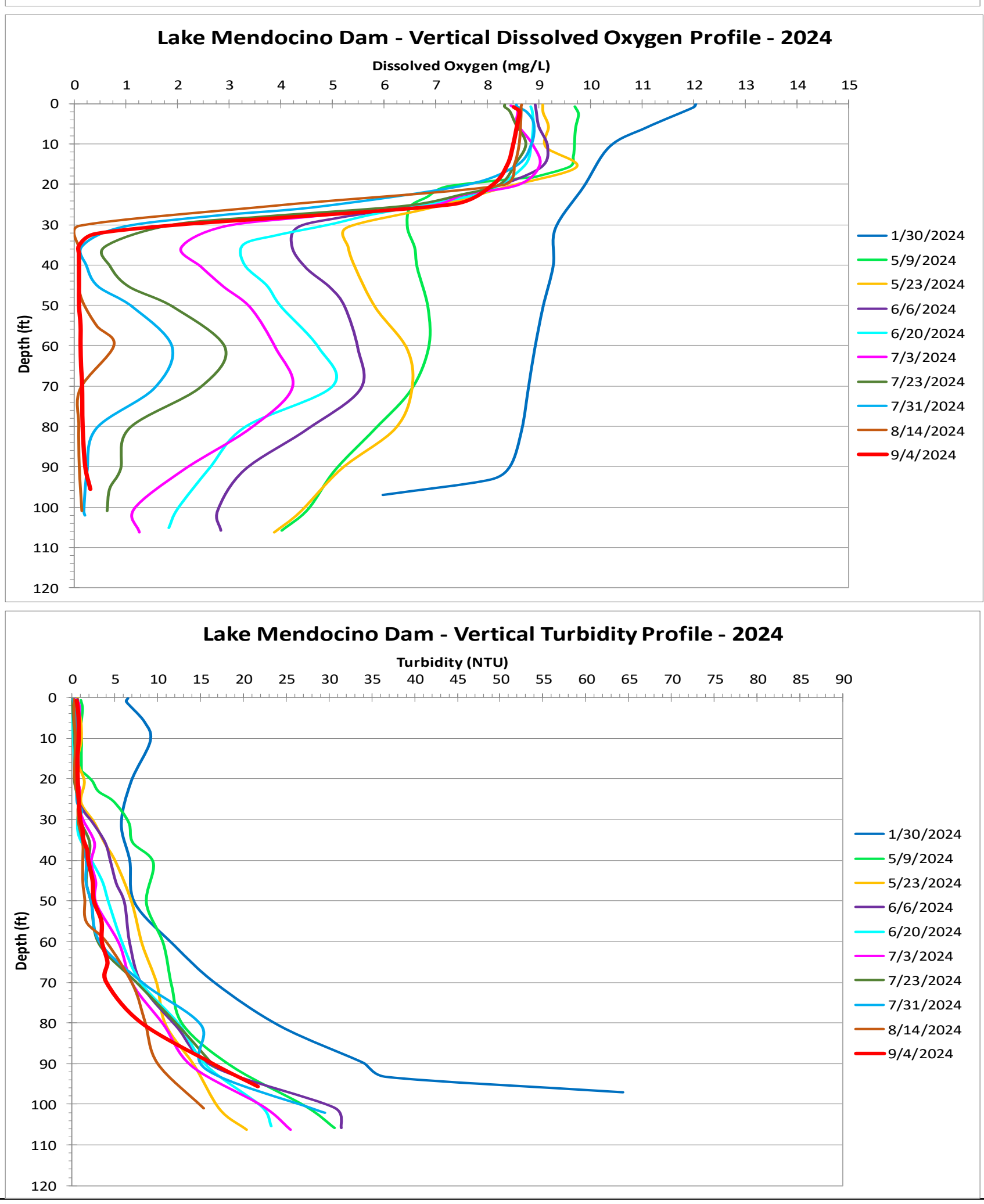
*Inflow calculation based on criteria established in D1610



Lake Mendocino Water Quality Vertical Profiles (January 30 – September 4, 2024)

Provisional Data Subject to Revision

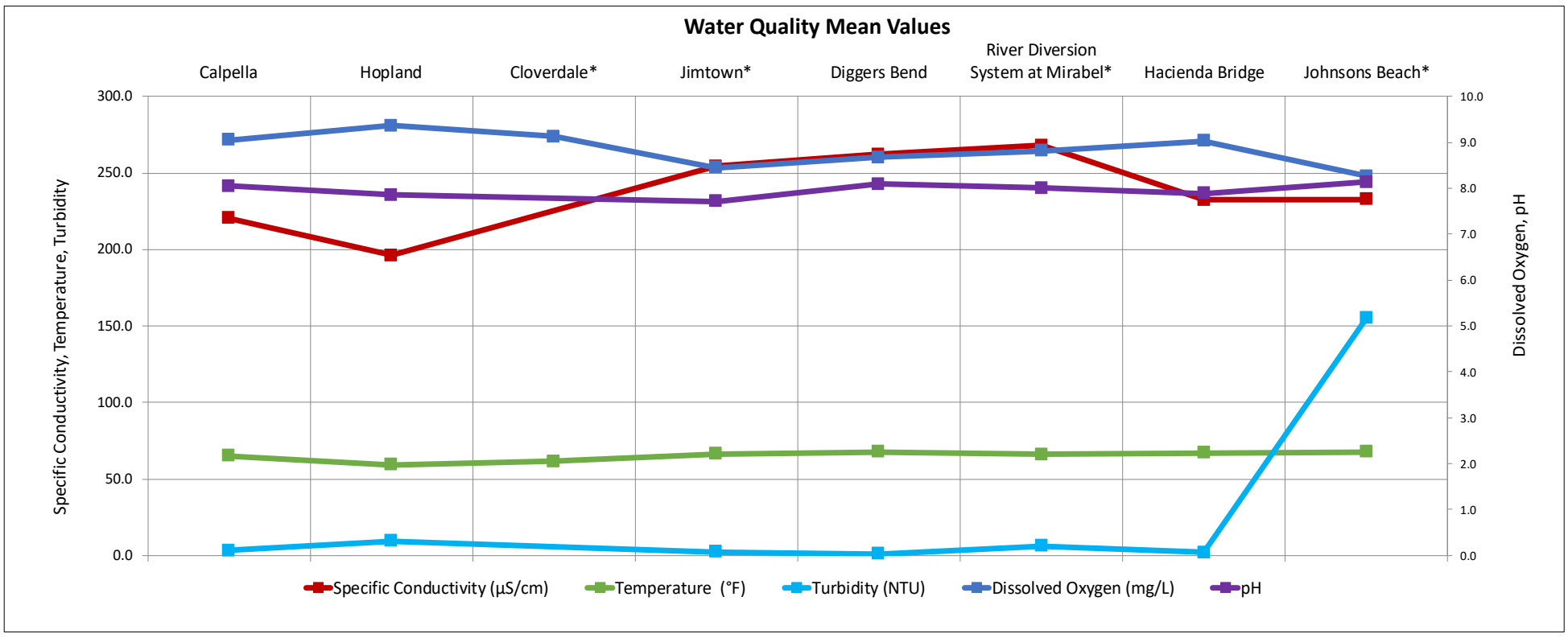




Russian River Flows (September 20, 2024 - September 26, 2024)

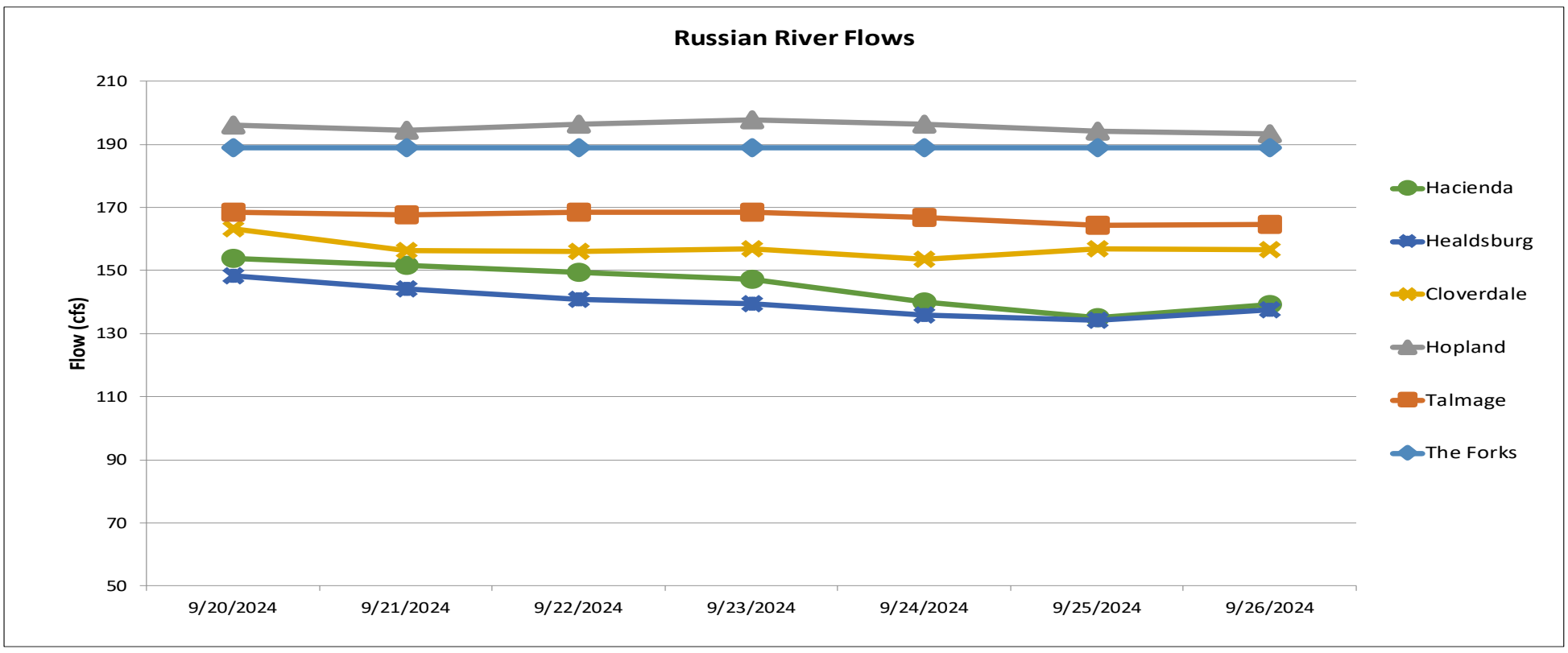
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	62.1	57.4	59.0	63.7	64.6	65.2	64.2	66.7
	Max	67.6	60.6	64.0	69.8	71.2	67.7	69.8	68.8
	Mean	65.0	59.1	61.6	66.4	67.6	65.9	66.9	67.7
Specific Conductivity (µS/cm)	Min	217.0	195.0		249.0	259.0	256.6	231.0	135.1
	Max	224.0	197.0		257.0	265.0	279.0	234.0	248.8
	Mean	220.5	196.3		254.4	262.3	268.1	232.4	232.9
Dissolved Oxygen (mg/L)	Min	8.5	8.5	8.6	7.2	7.4	8.3	7.7	6.0
	Max	10.0	10.8	10.1	10.5	10.5	9.4	10.2	8.8
	Mean	9.1	9.4	9.1	8.4	8.7	8.8	9.0	8.3
Dissolved Oxygen (% Saturation)	Min	90.5	84.5	87.2	77.1	78.8	90.9	81.8	65.6
	Max	108.0	108.0	105.4	116.6	119.6	100.1	113.9	96.5
	Mean	96.3	93.1	93.4	91.4	95.2	94.8	98.2	90.6
pH	Min	7.9	7.7		7.6	7.8	7.9	7.6	7.9
	Max	8.2	8.1		8.0	8.4	8.1	8.2	8.2
	Mean	8.1	7.9		7.7	8.1	8.0	7.9	8.1
Turbidity (NTU)	Min	2.0	7.5		1.2	0.4	3.7	1.2	8.9
	Max	5.2	11.5		3.1	2.2	32.7	3.0	2951.8
	Mean	3.1	9.2		2.2	1.1	6.1	1.9	155.2

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Sep 20, 2024	Sep 21, 2024	Sep 22, 2024	Sep 23, 2024	Sep 24, 2024	Sep 25, 2024	Sep 26, 2024
The Forks*	189	189	189	189	189	189	189
Talmage USGS 11462080	168	168	169	169	167	164	165
Hopland USGS 11462500	196	195	197	198	196	194	193
Cloverdale USGS 11463000	163	156	156	157	153	157	157
Healdsburg USGS 11464000	148	144	141	139	136	134	137
Hacienda USGS 11467000	154	152	149	147	140	135	139

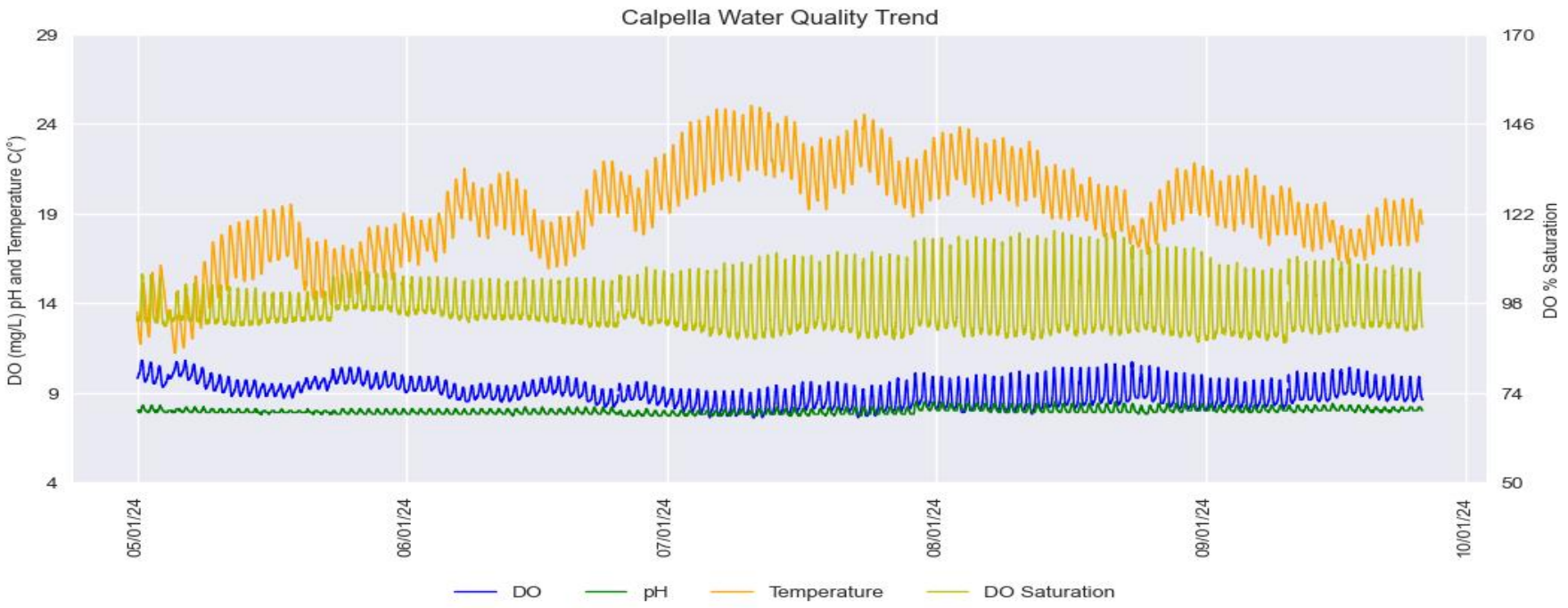
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

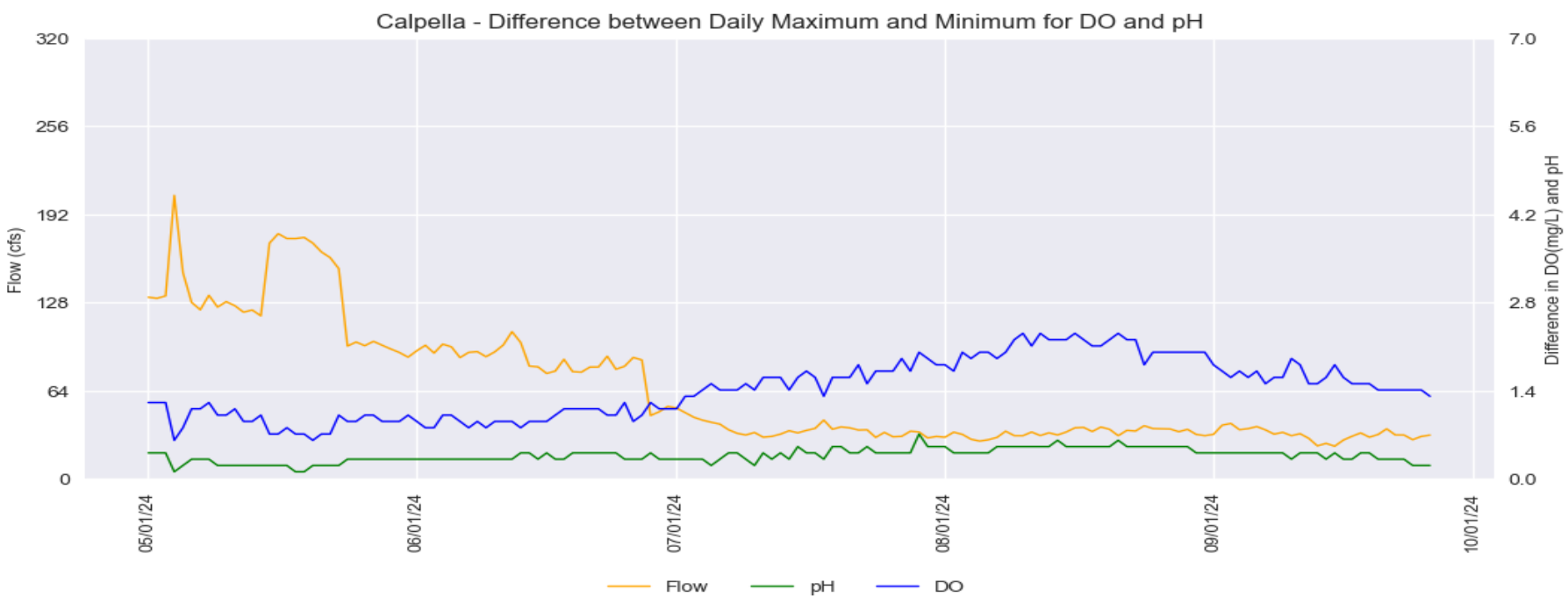


Russian River Water Quality May 1, 2024 – September 26, 2024

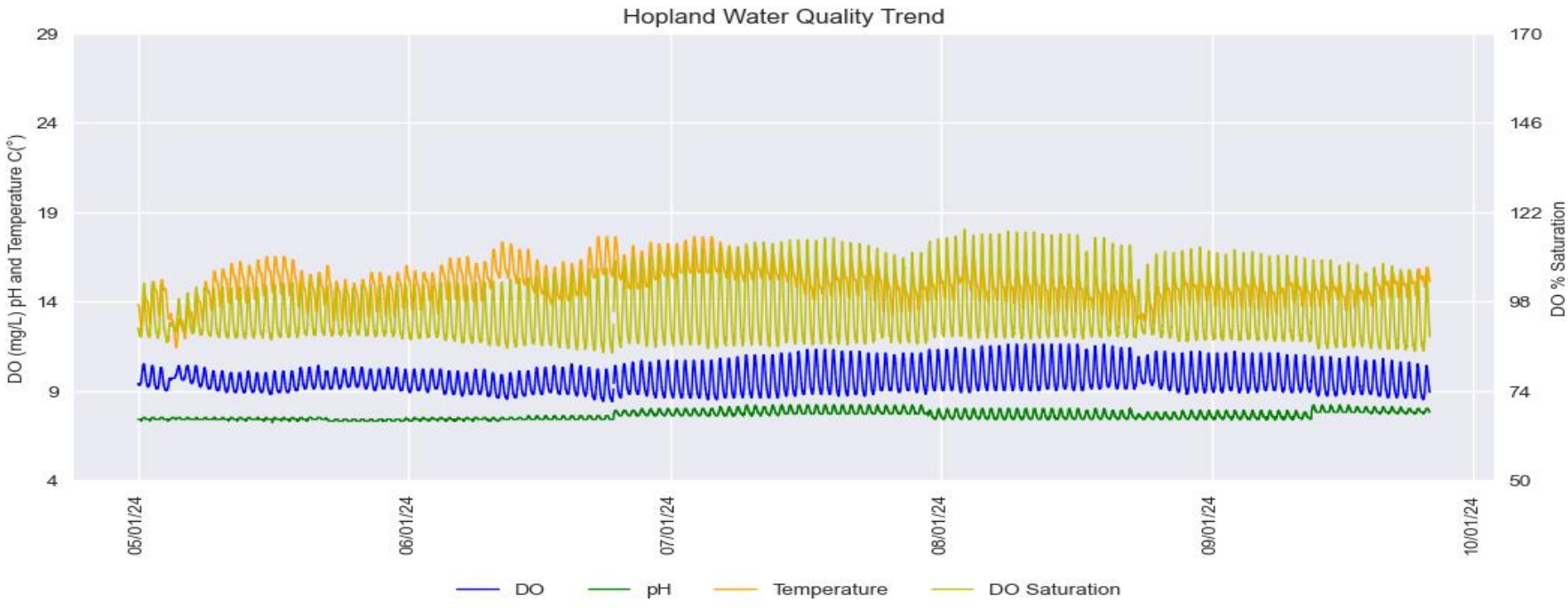
Provisional Data Subject to Revision

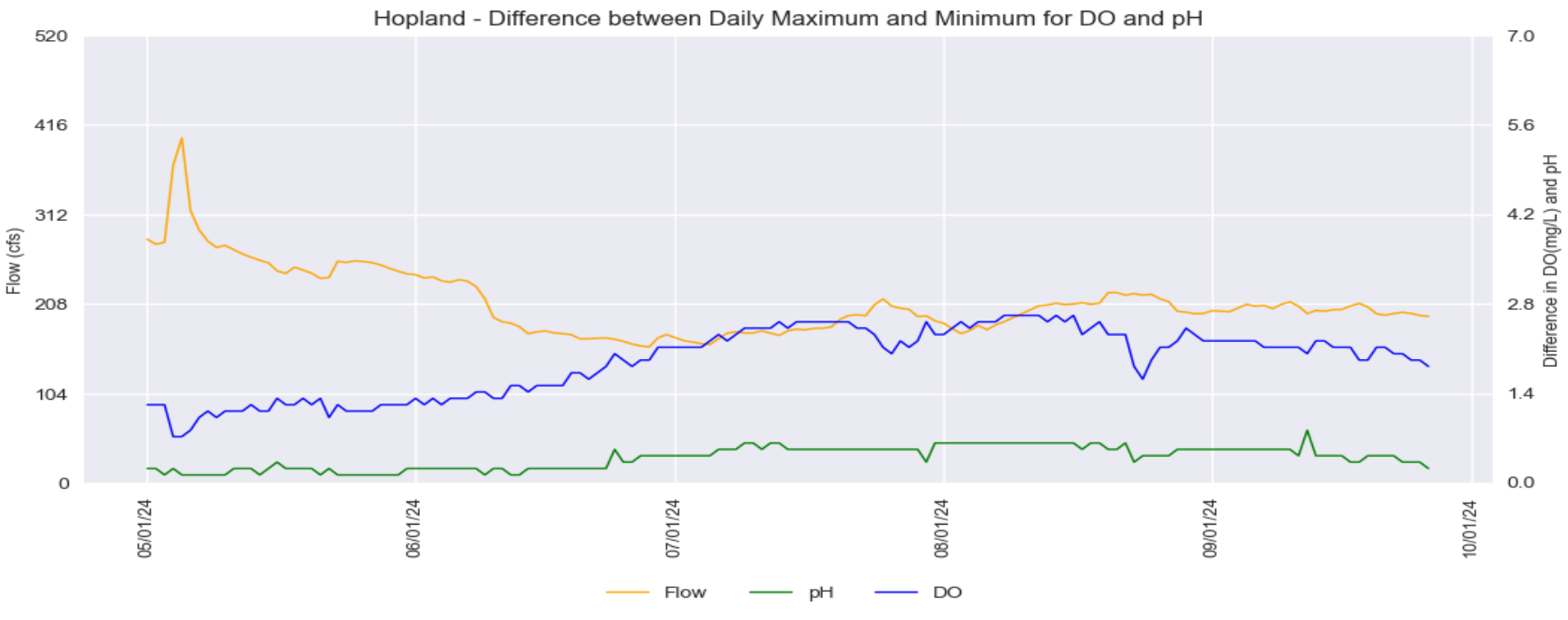
Calpella





Hopland

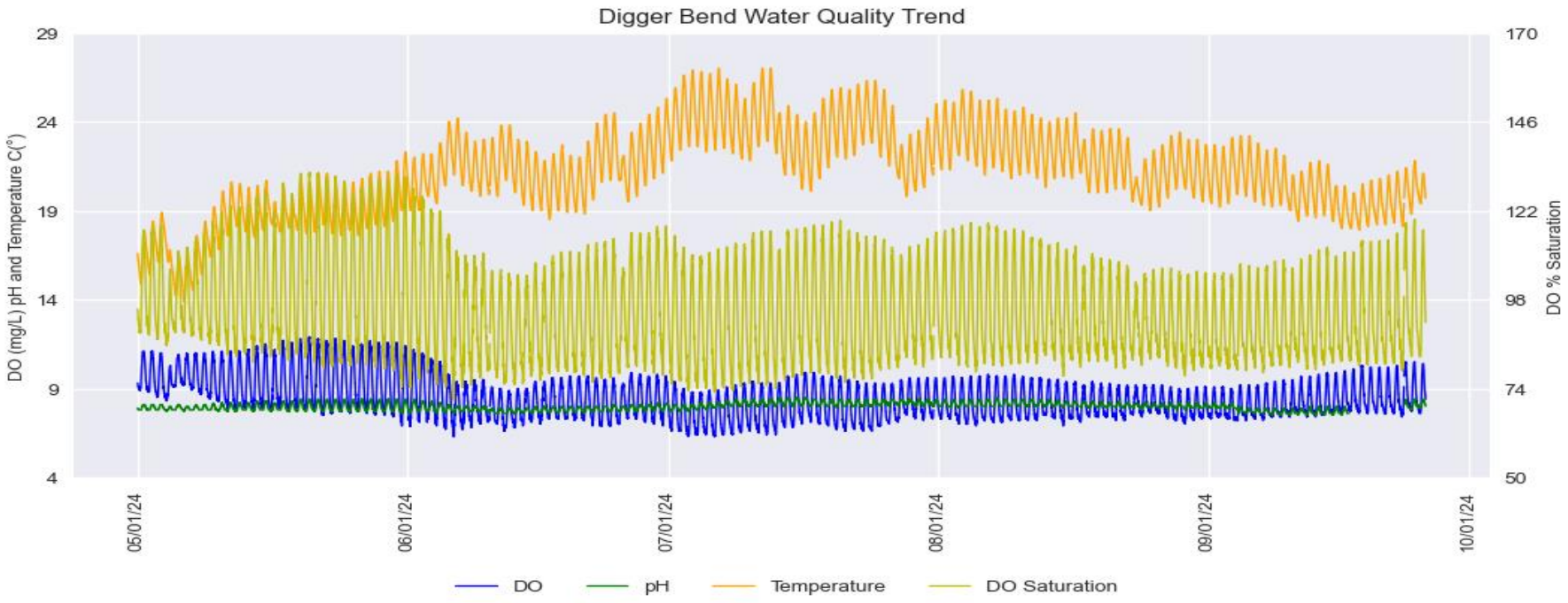


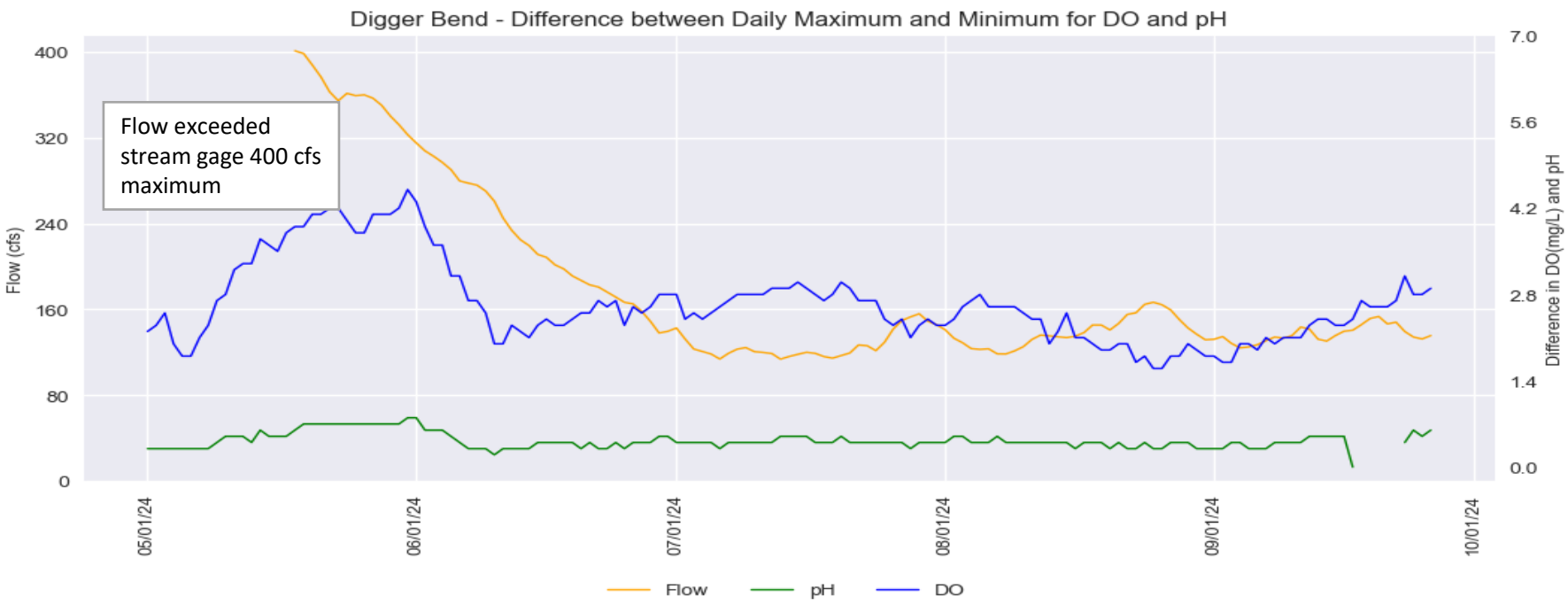


Russian River Water Quality May 1, 2024 – September 26, 2024

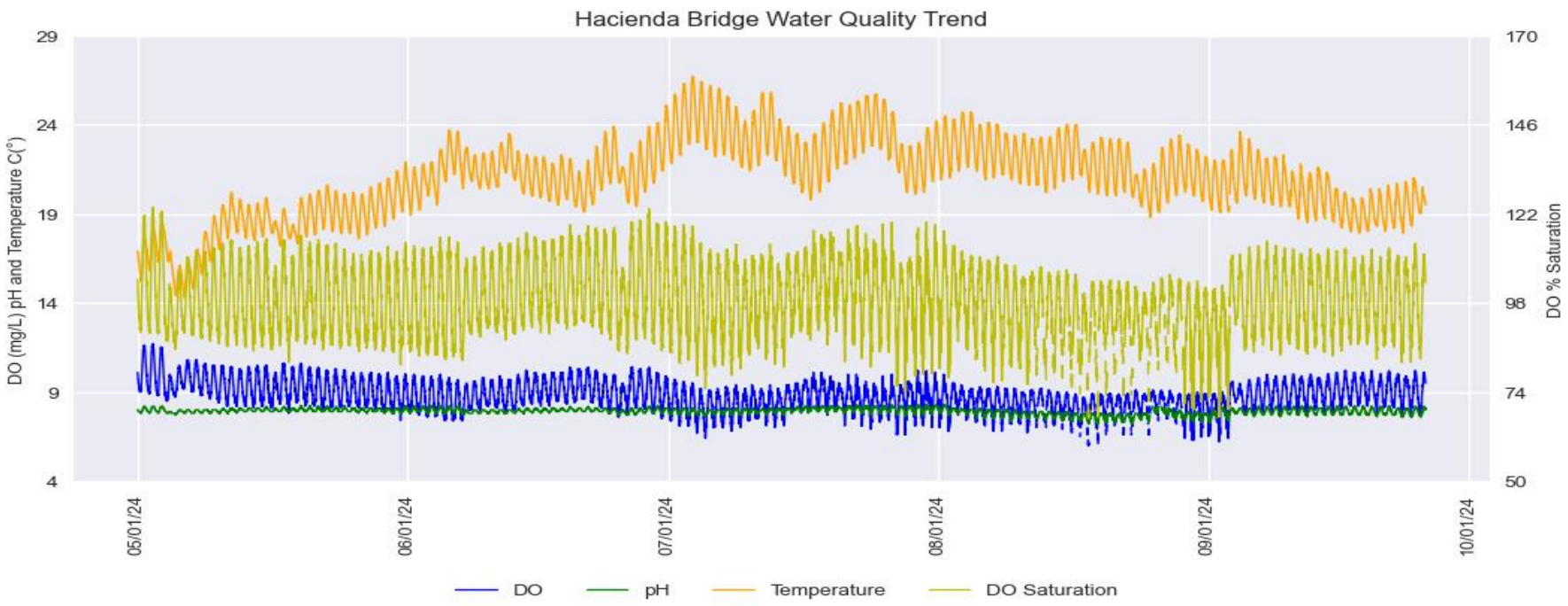
Provisional Data Subject to Revision

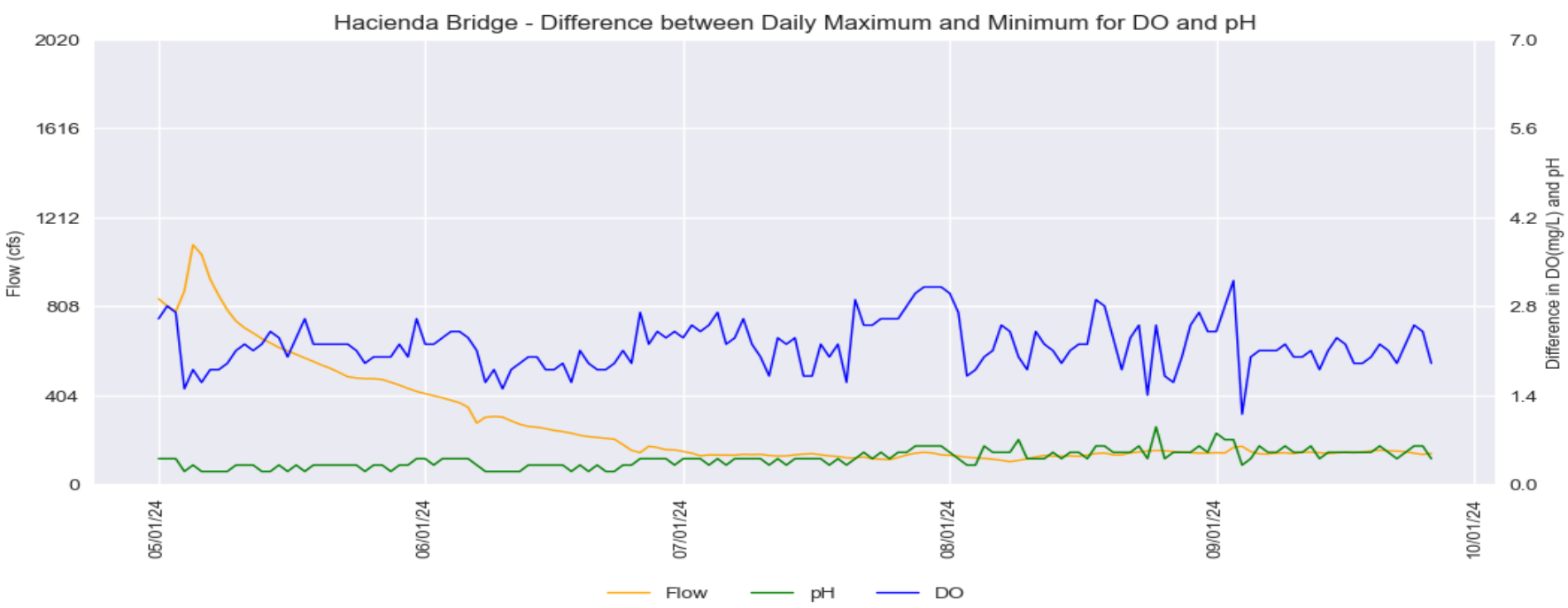
Digger Bend





Hacienda Bridge

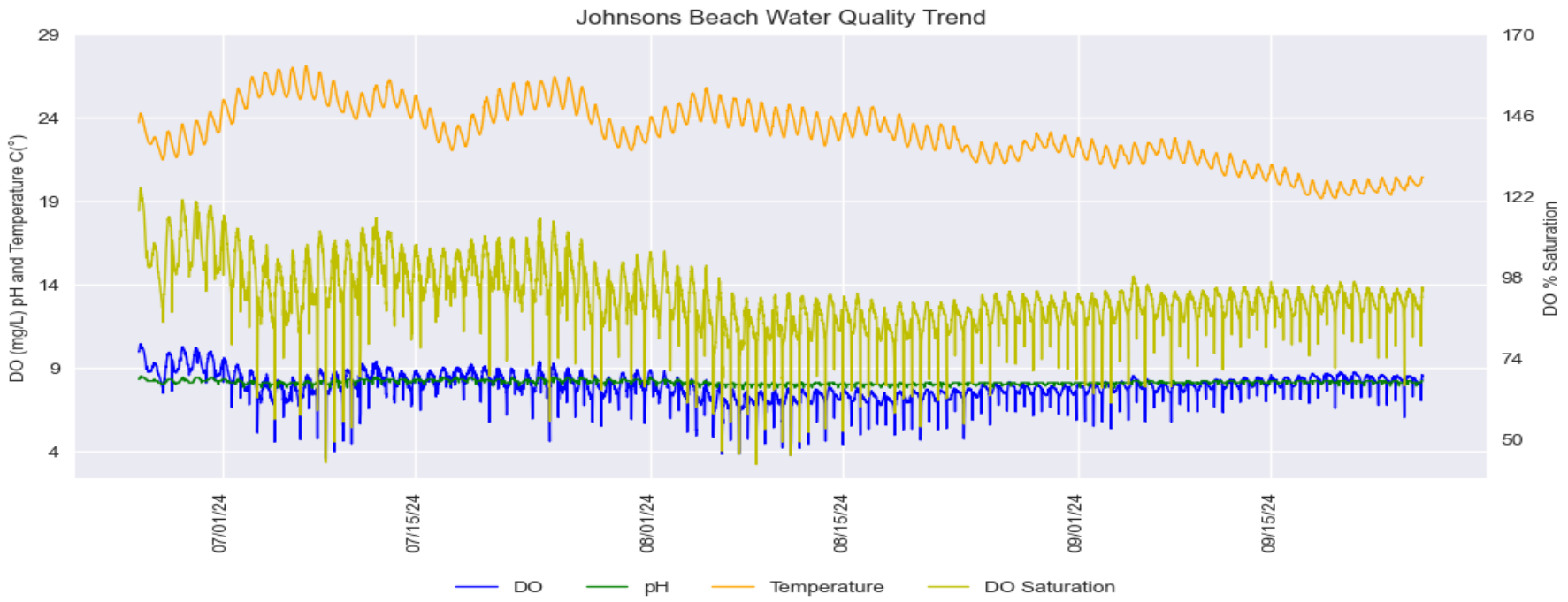


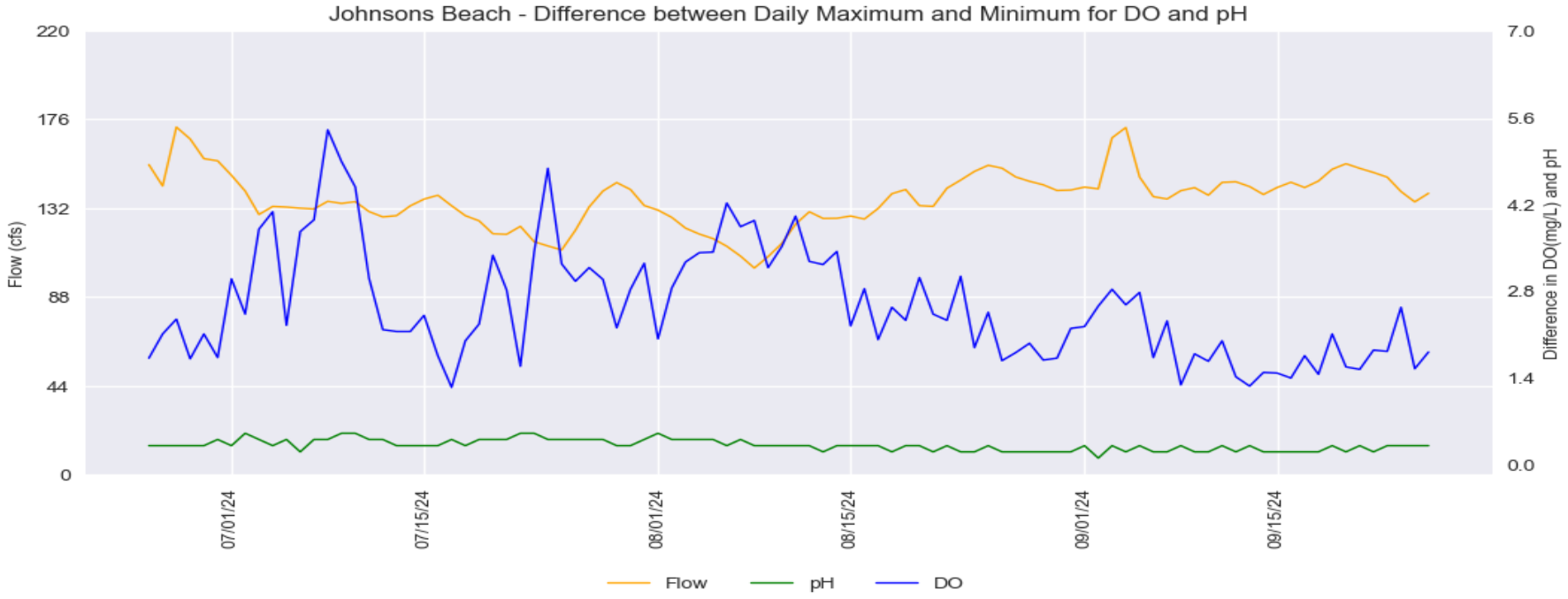


Russian River Water Quality June 24, 2024 – September 26, 2024

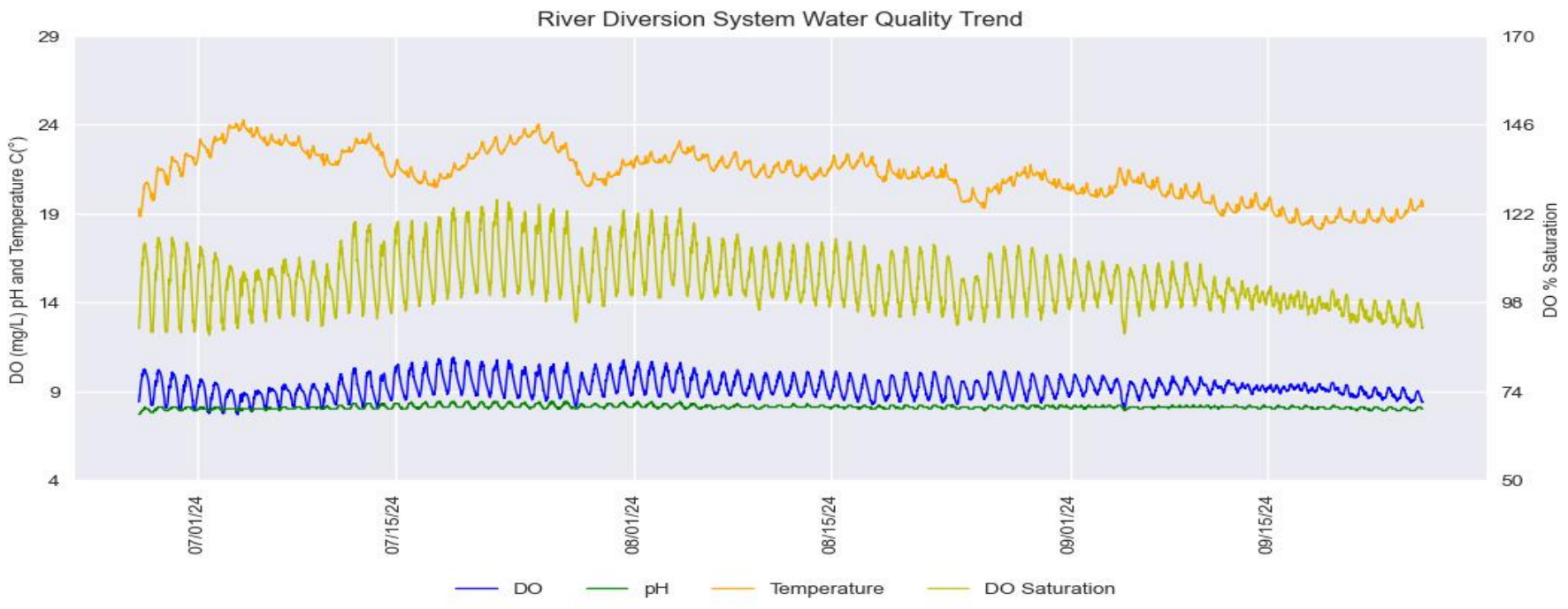
Provisional Data Subject to Revision

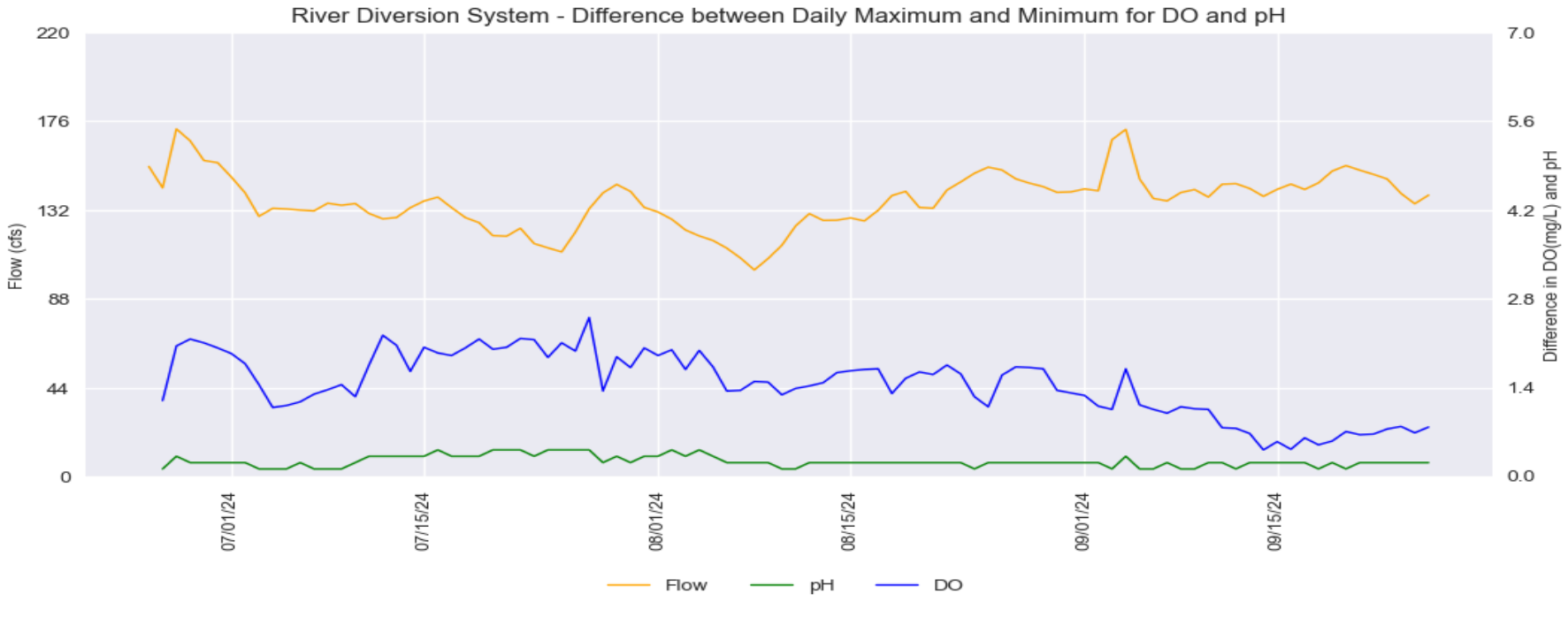
Johnsons Beach





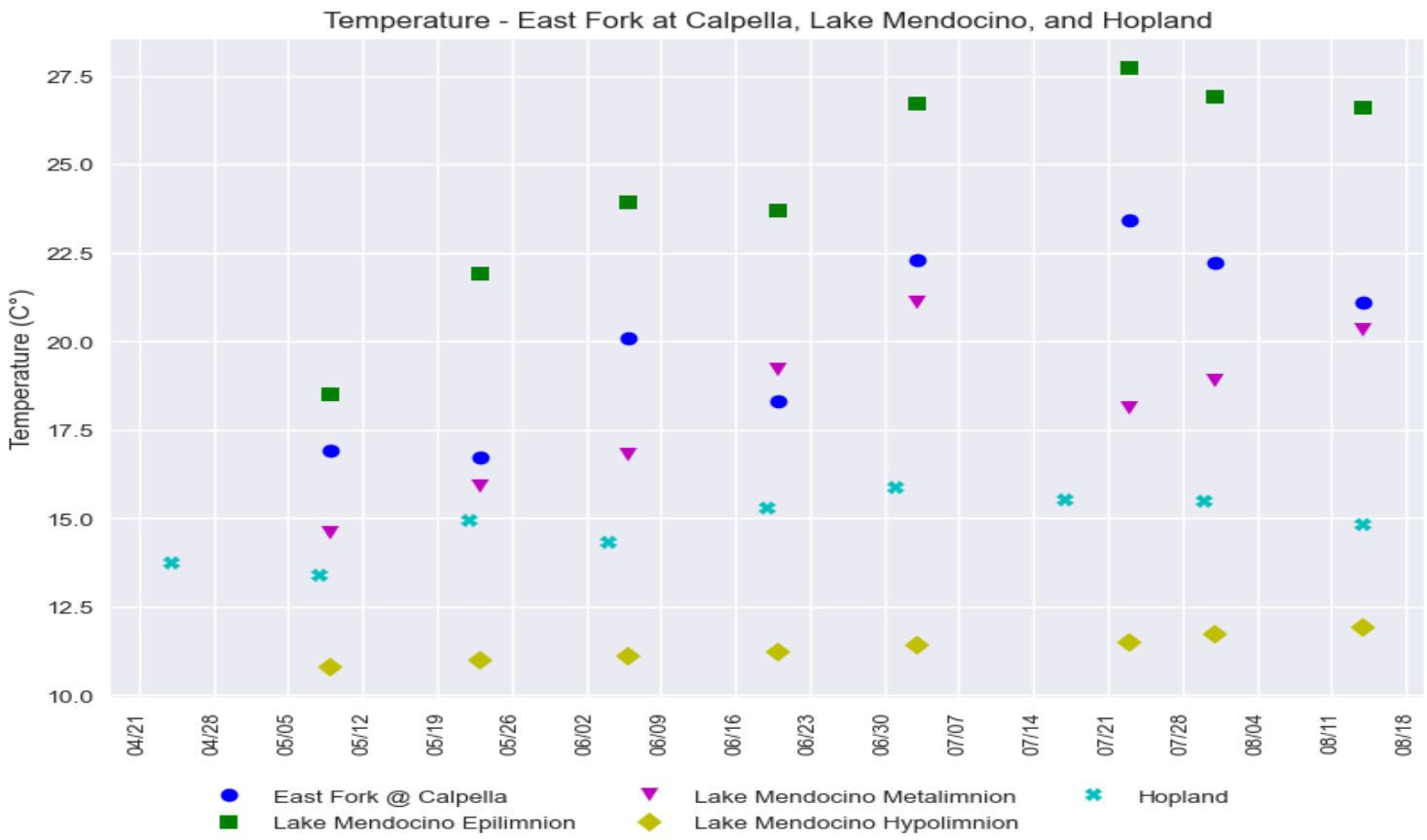
River Diversion System at Mirabel

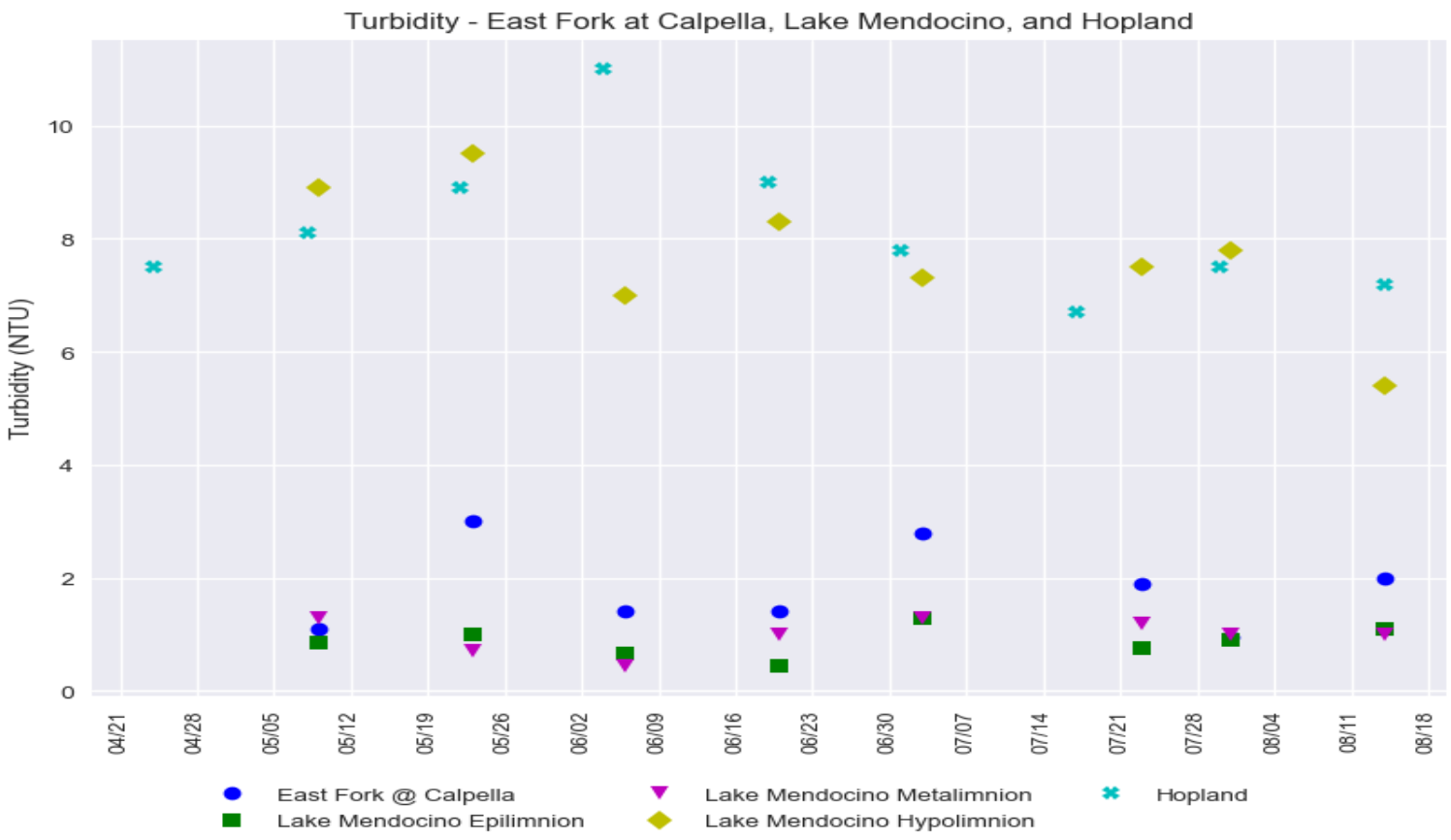


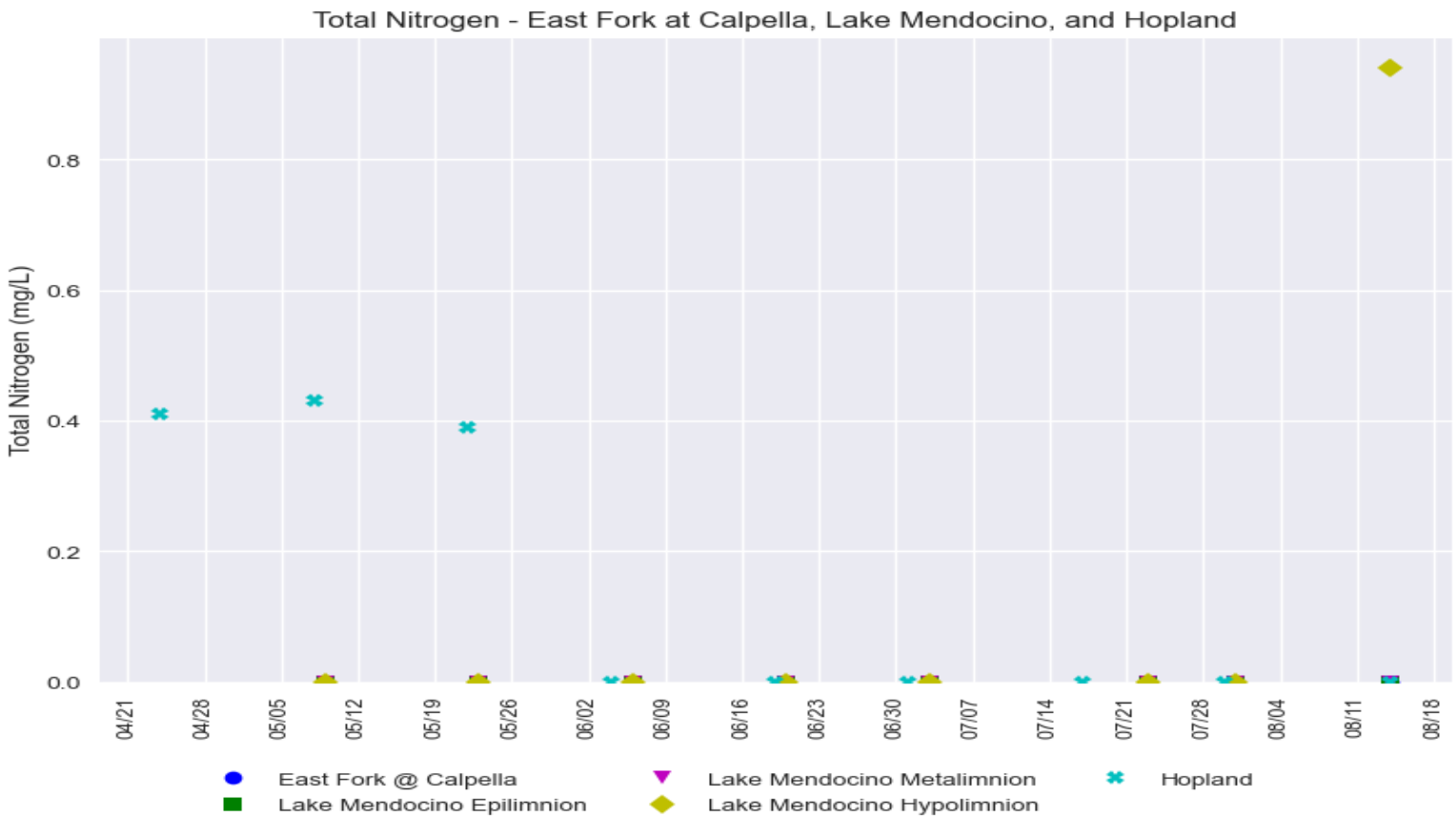


Russian River Water Quality Grab Samples

Provisional Data Subject to Revision







Russian River Water Quality Grab Samples

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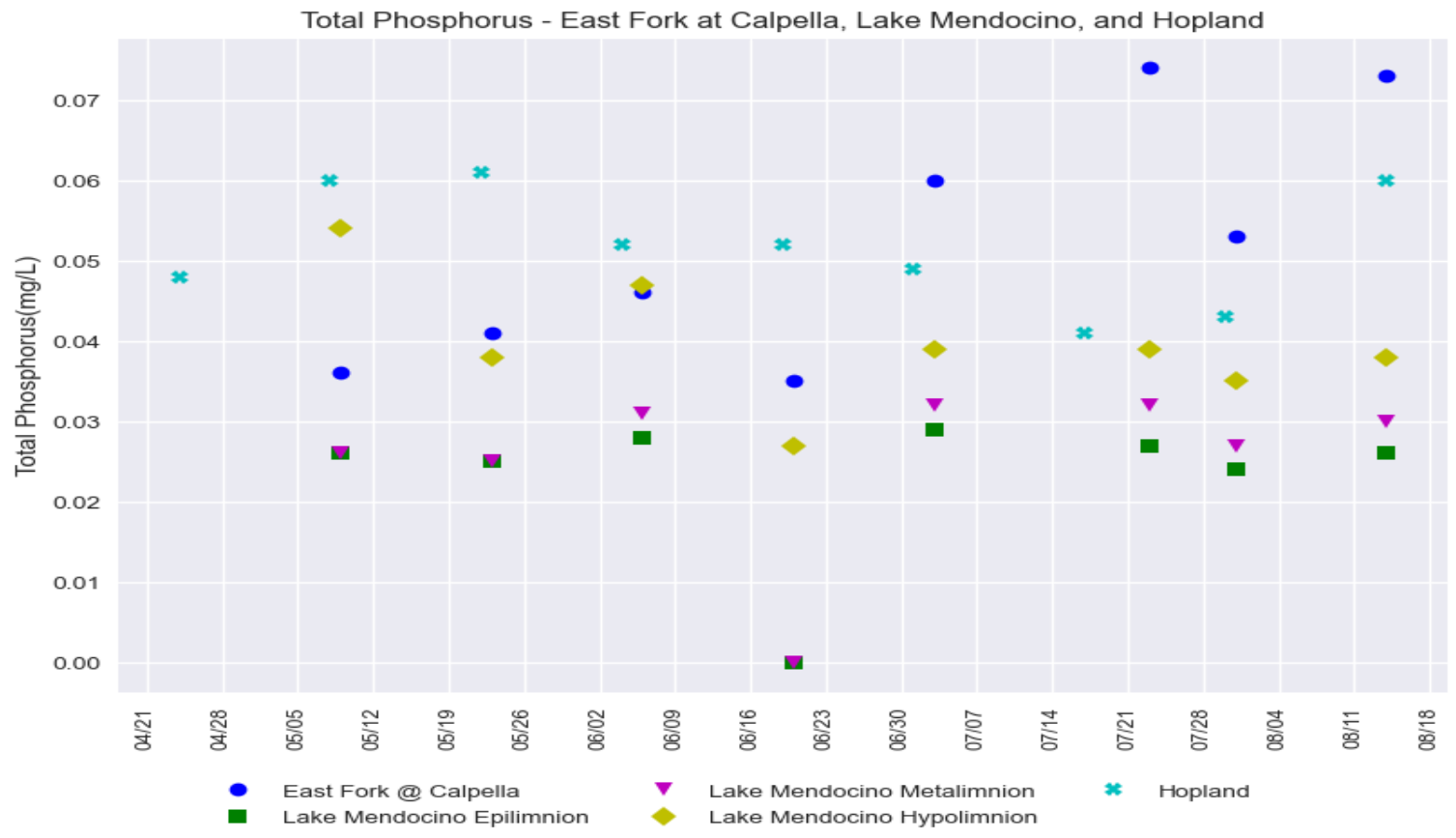

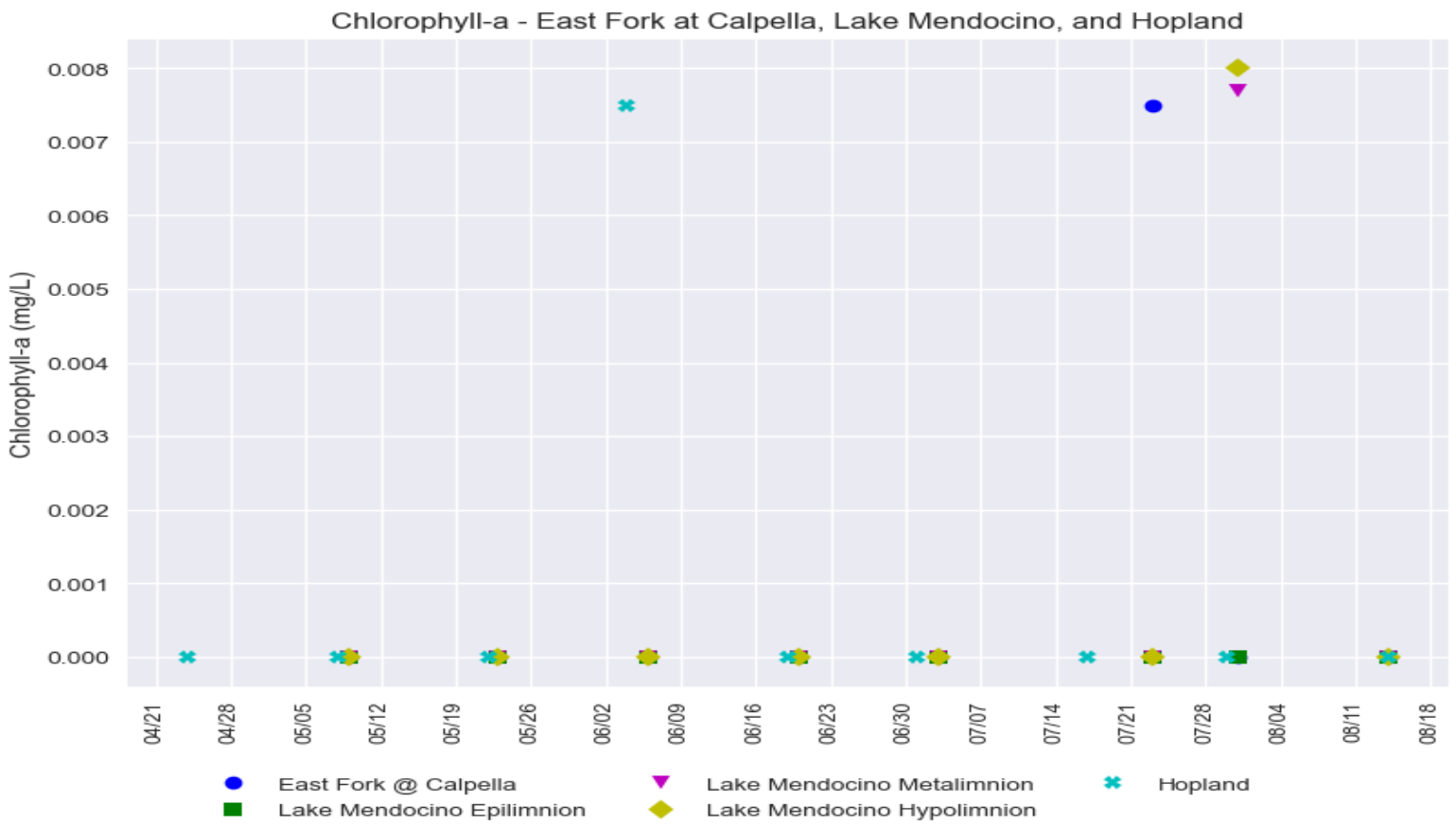

Russian River Water Quality Grab Samples

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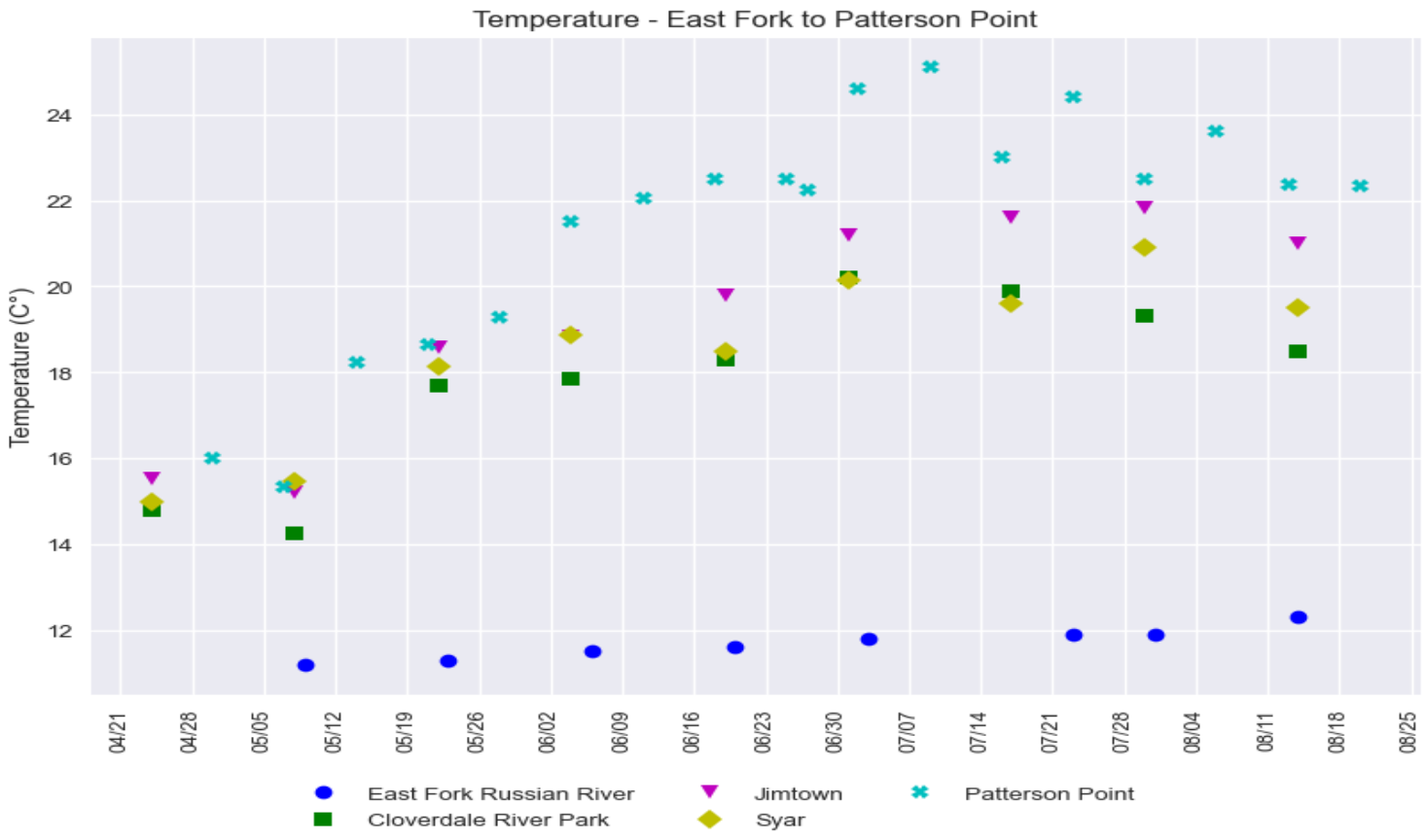

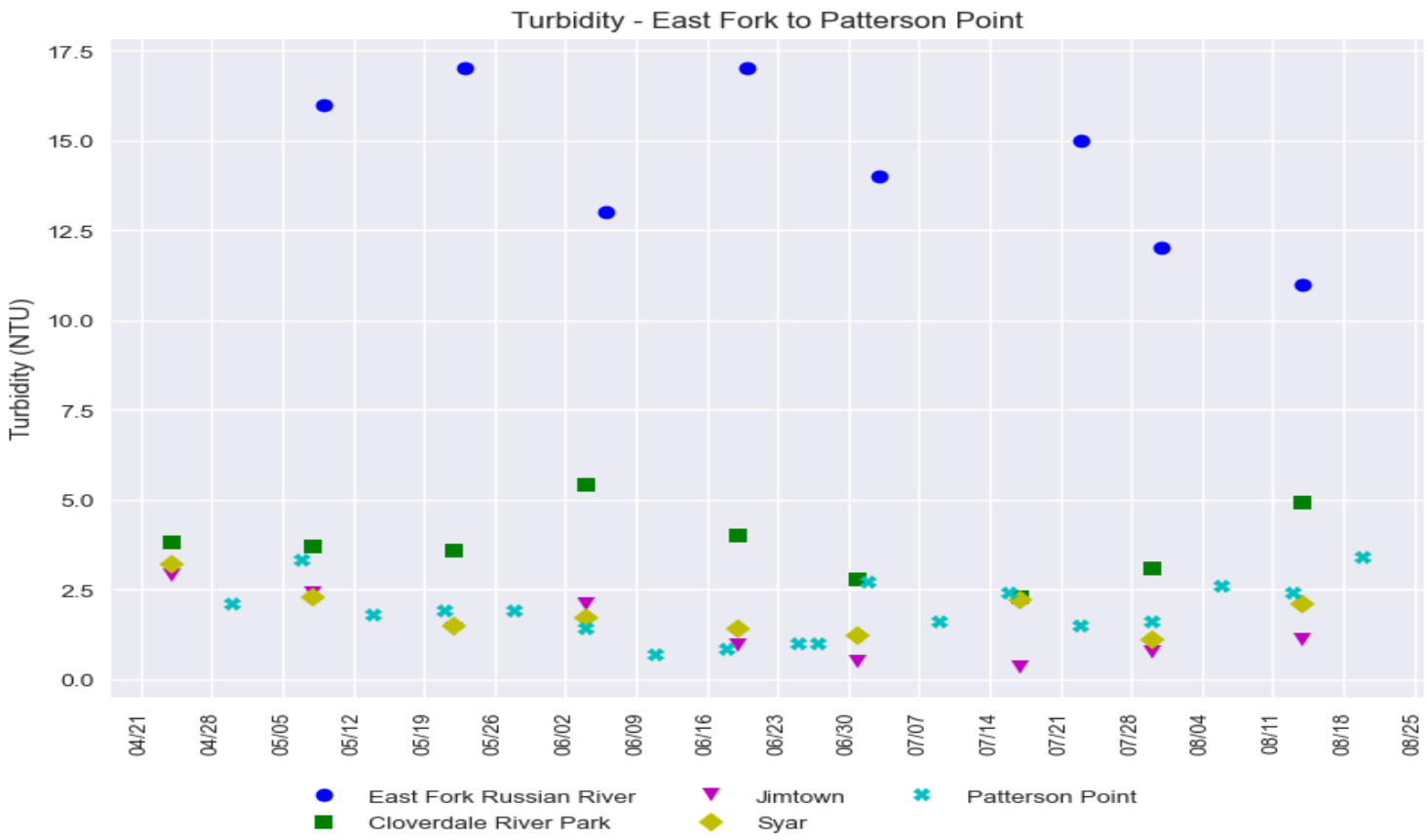

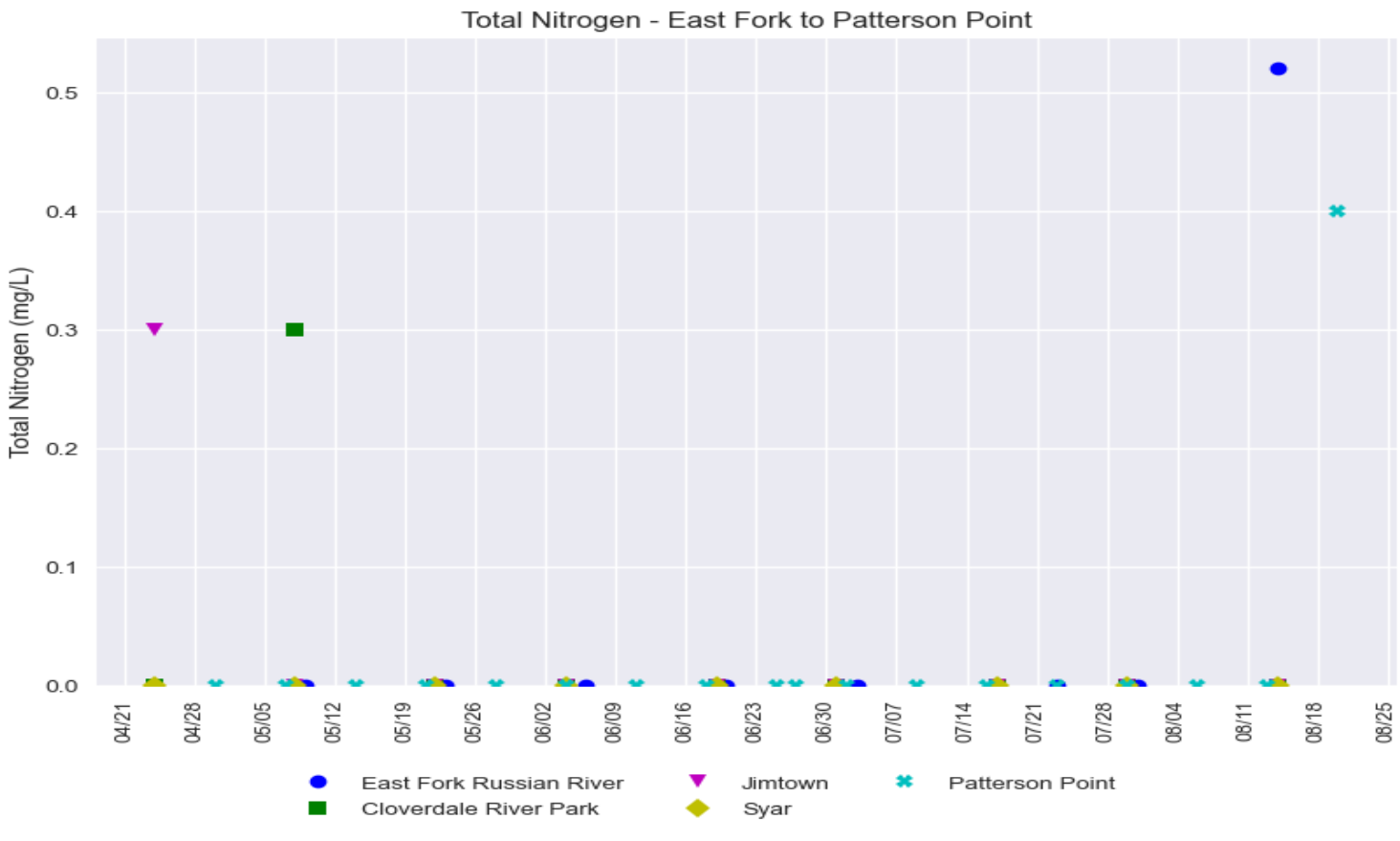

Russian River Water Quality Grab Samples

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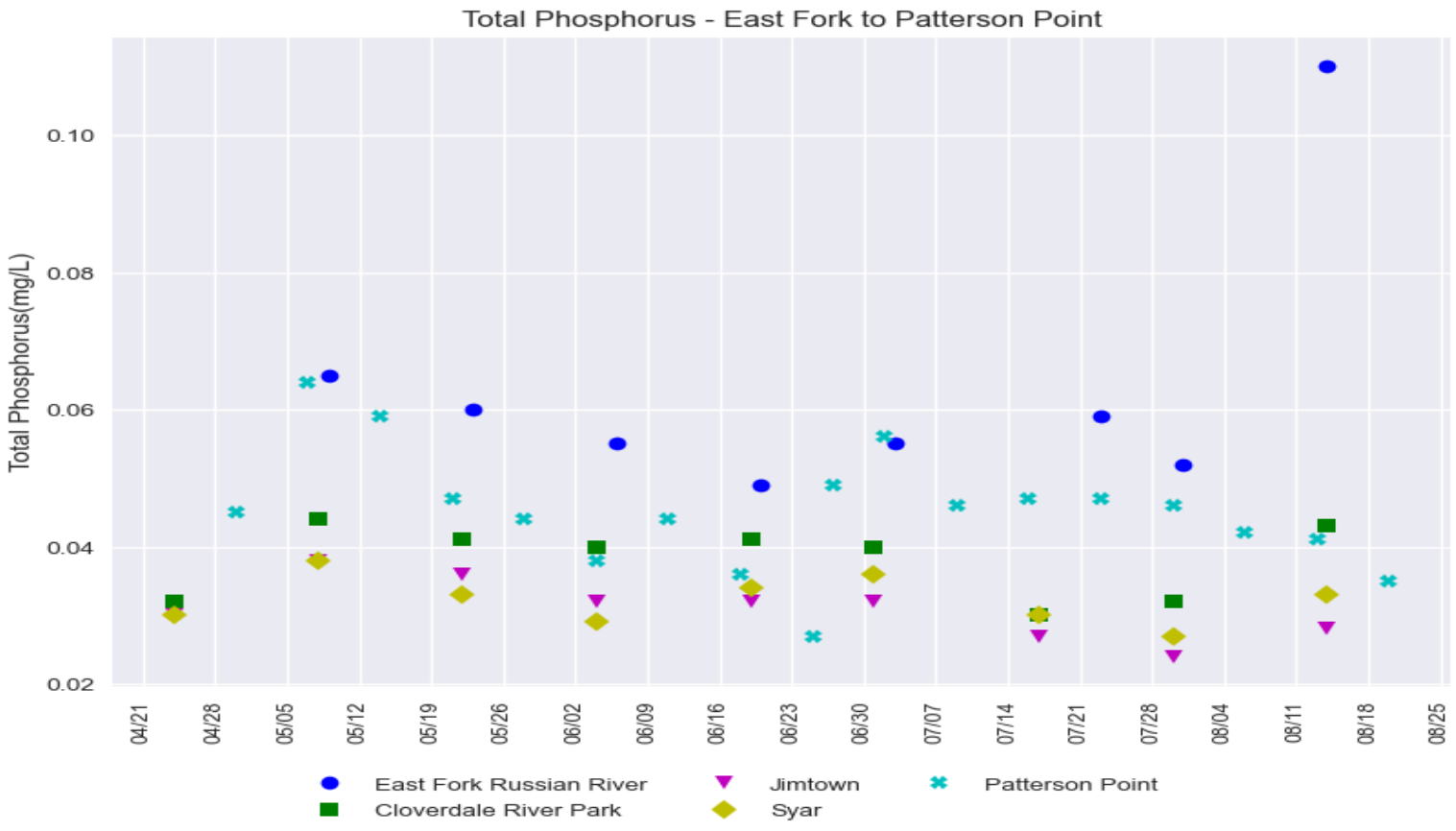

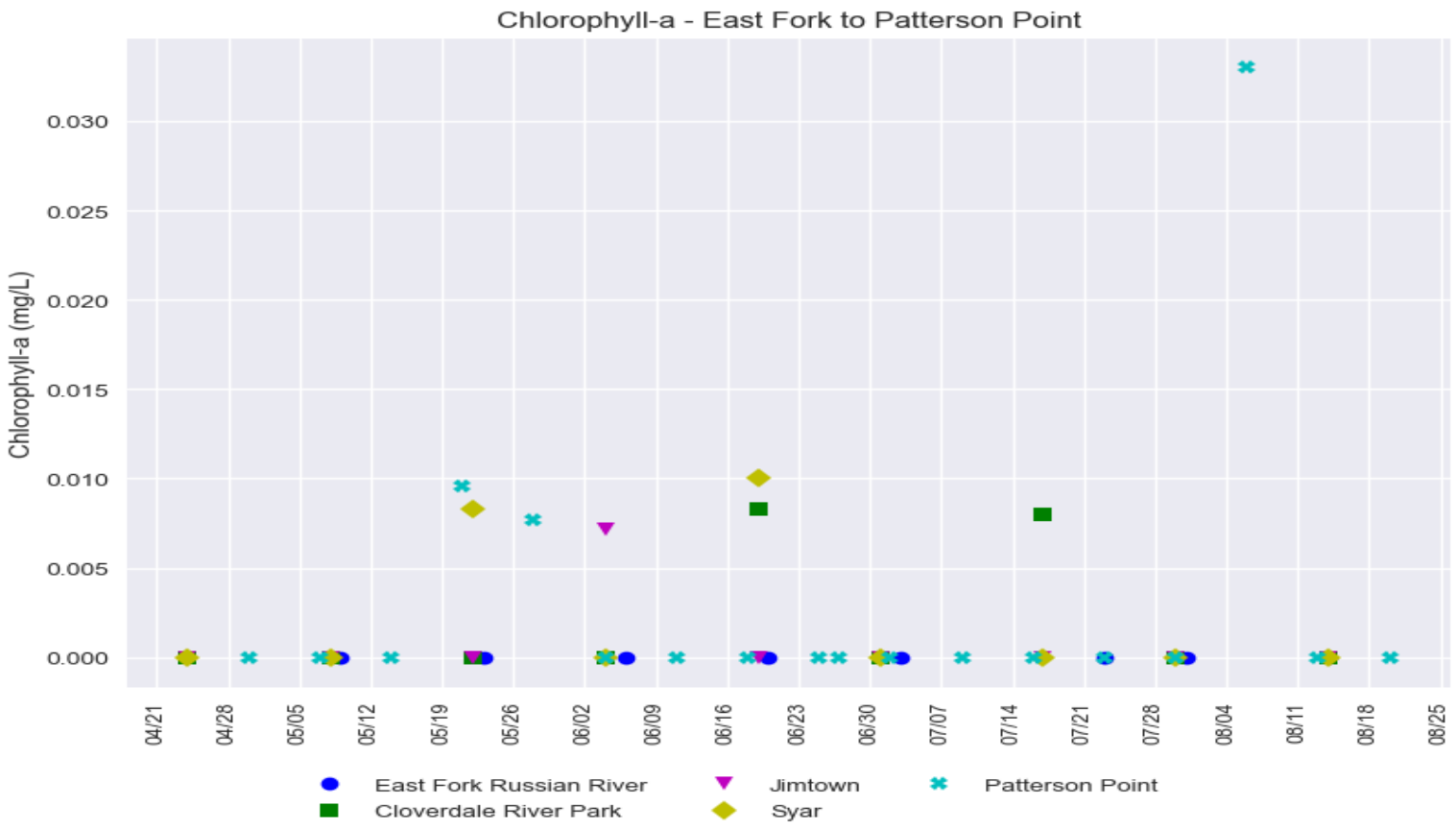

Russian River Water Quality Grab Samples

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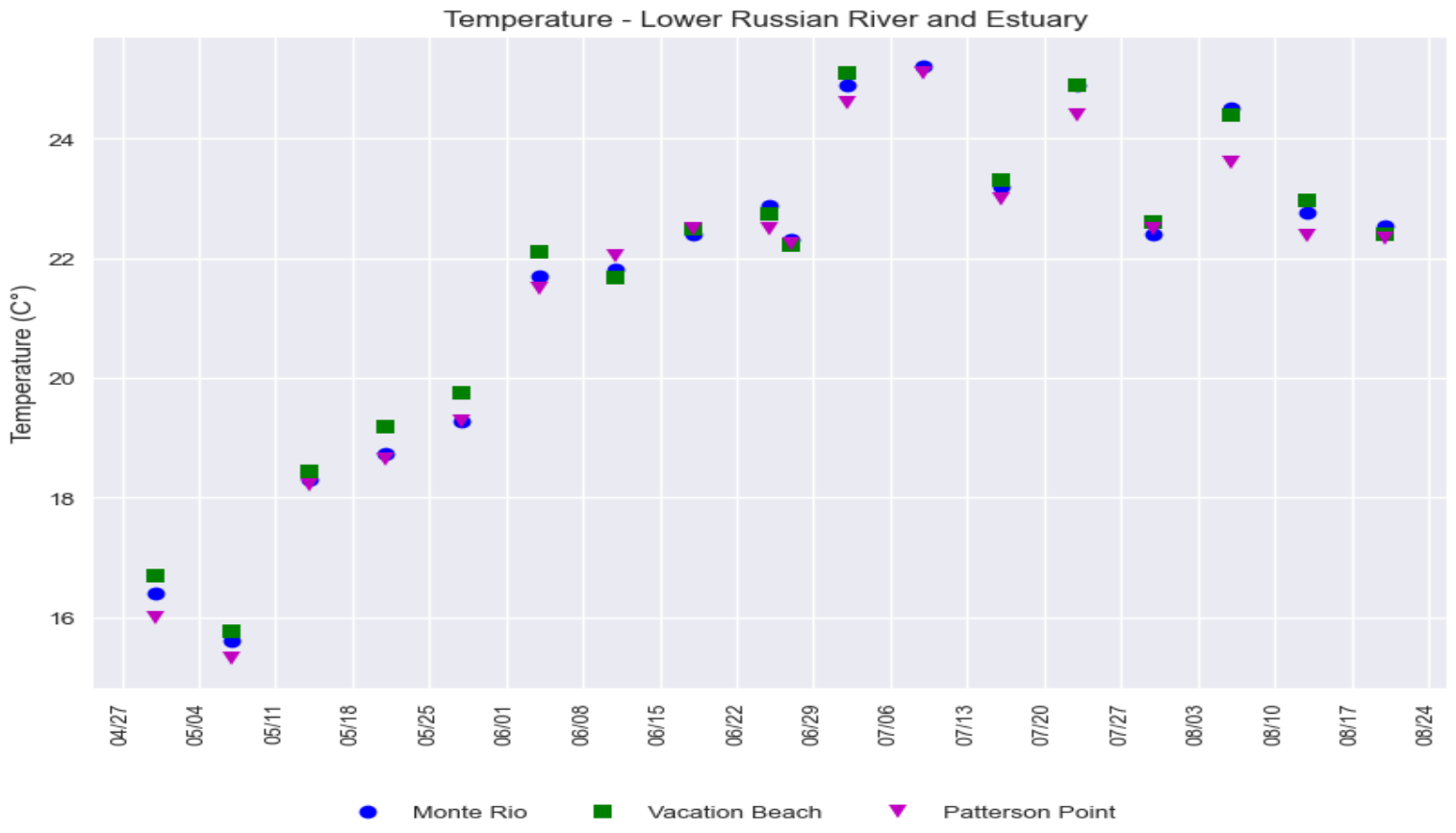

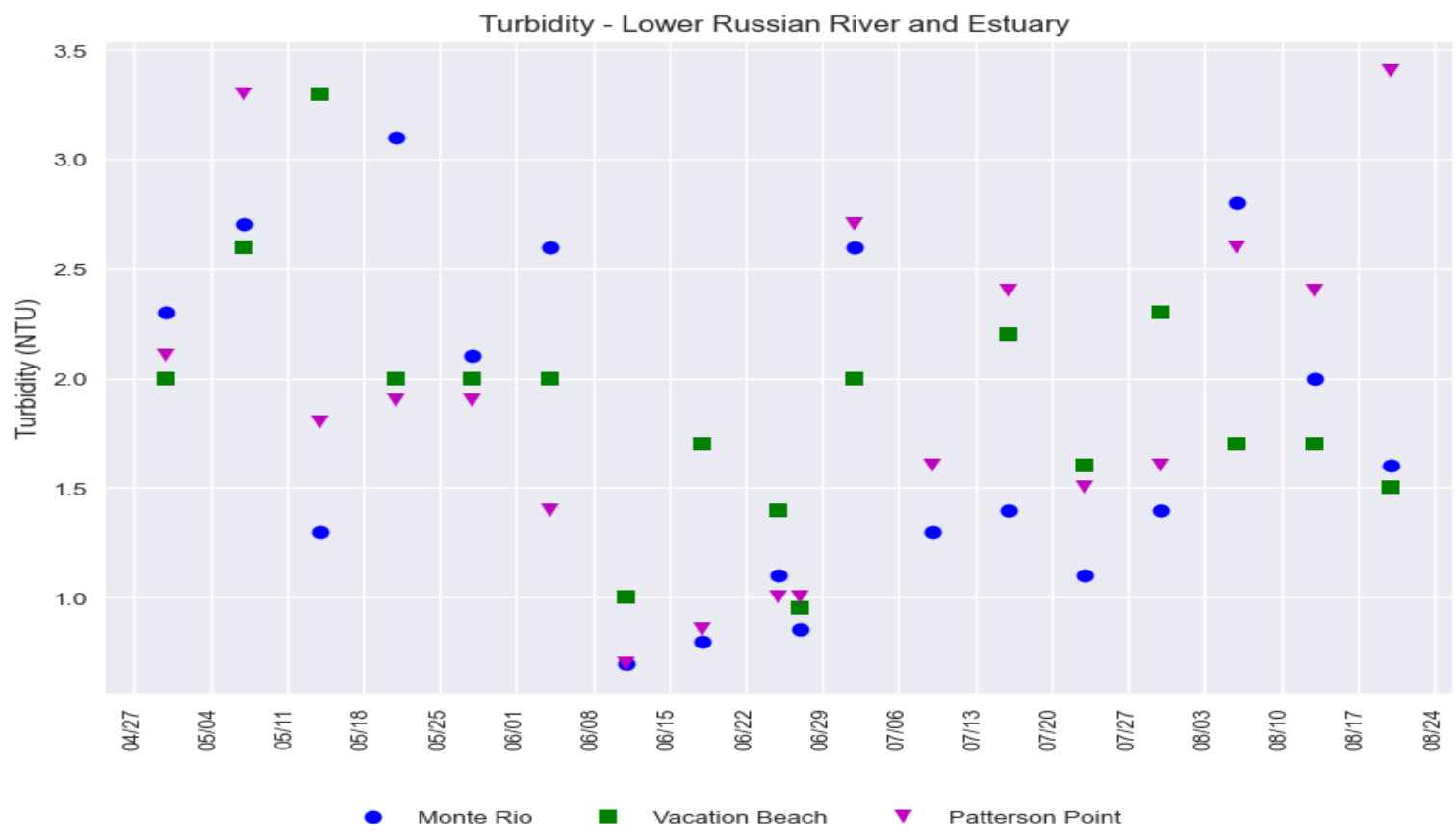

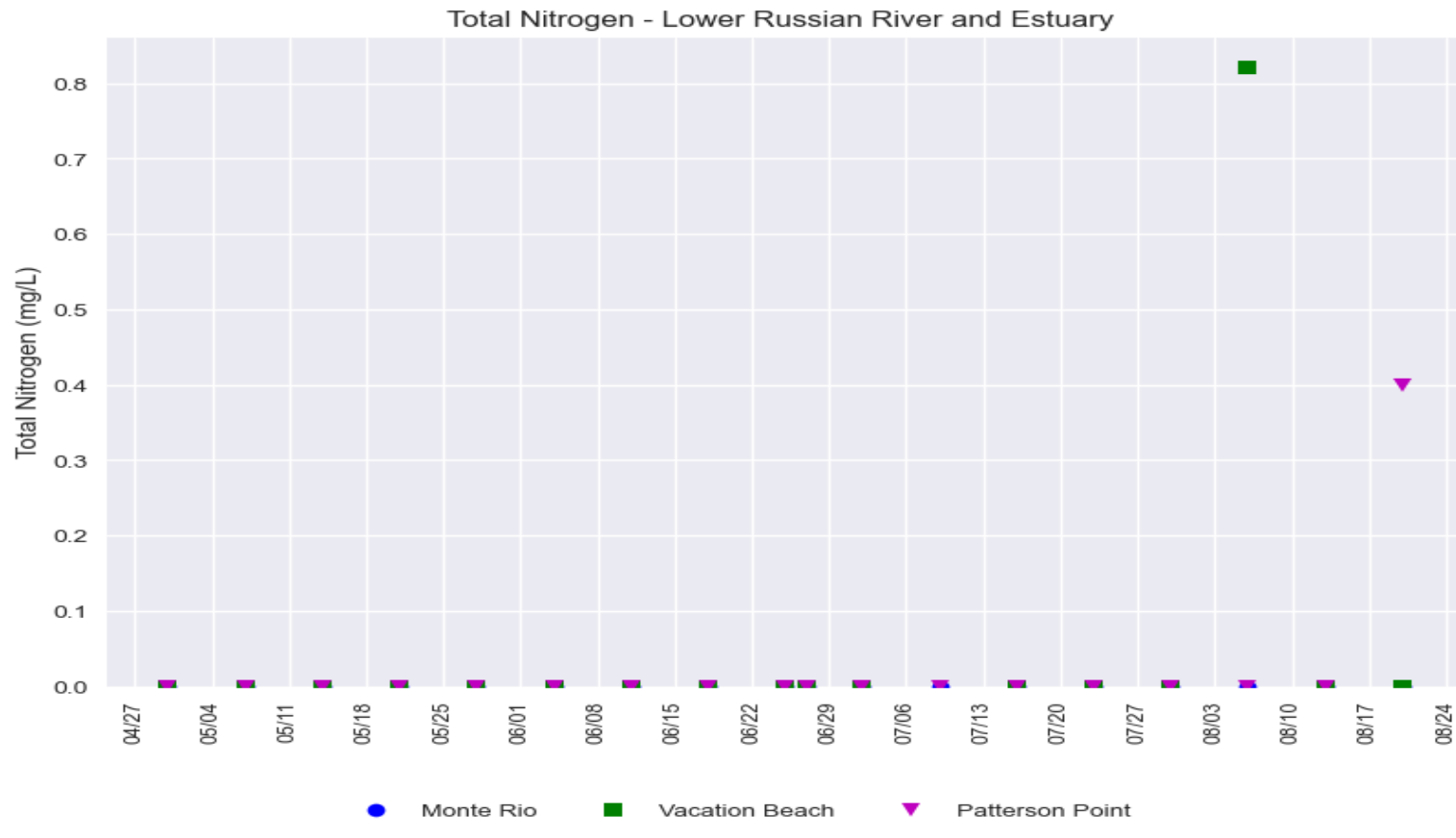

Russian River Water Quality Grab Samples

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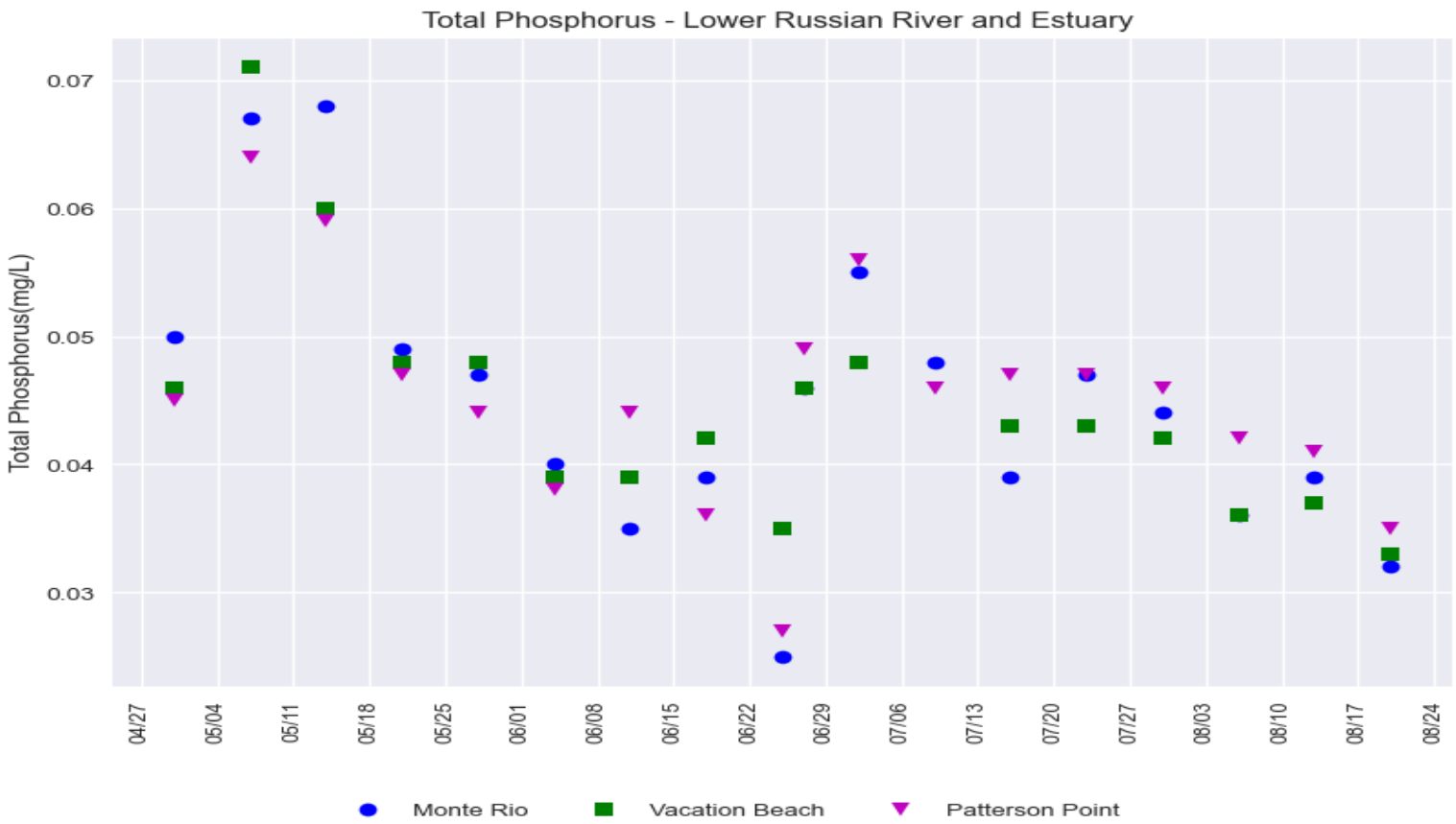
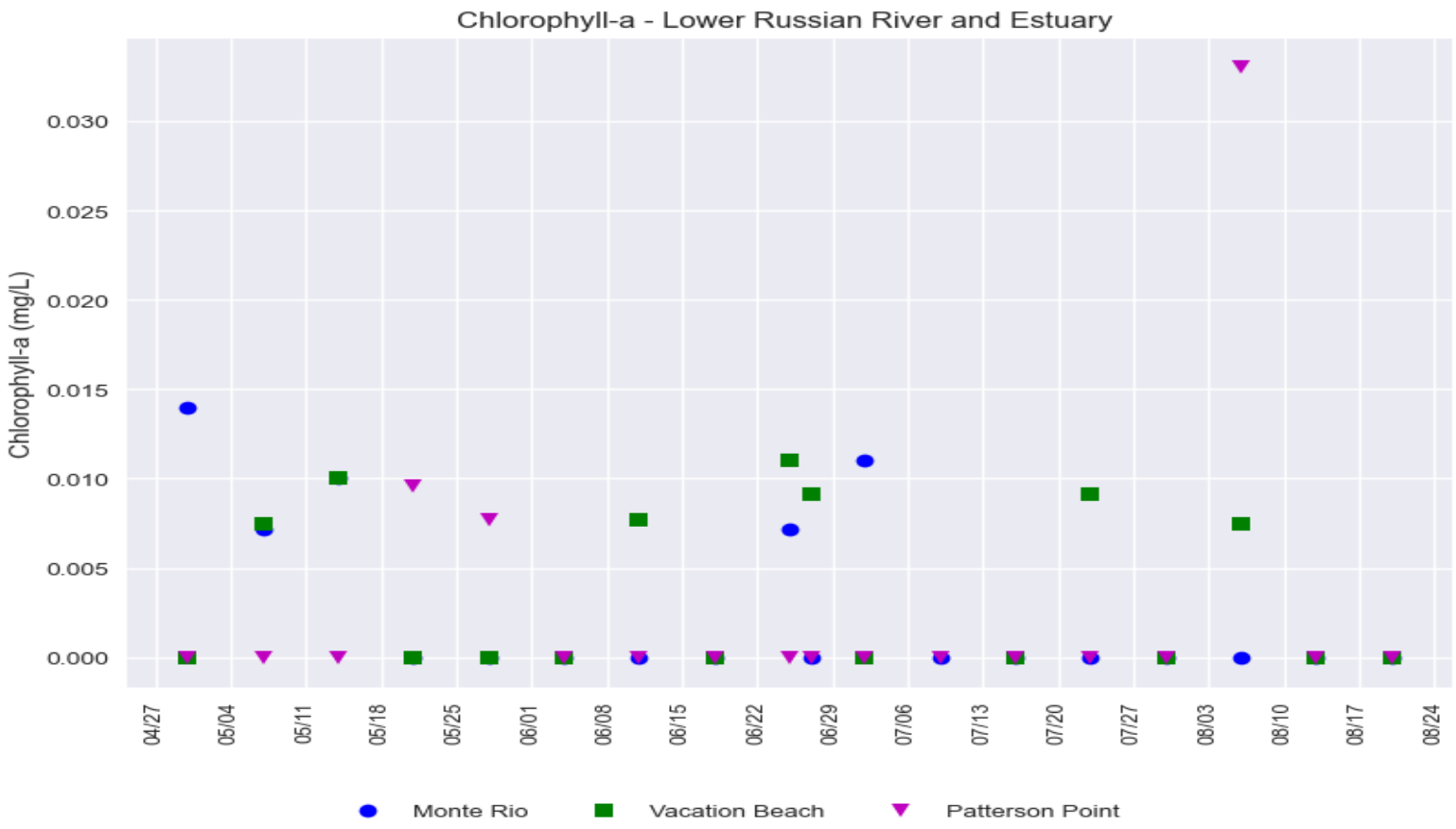




Russian River Water Quality Grab Samples (July 16 - September 3, 2024)
Provisional Data Subject to Revision

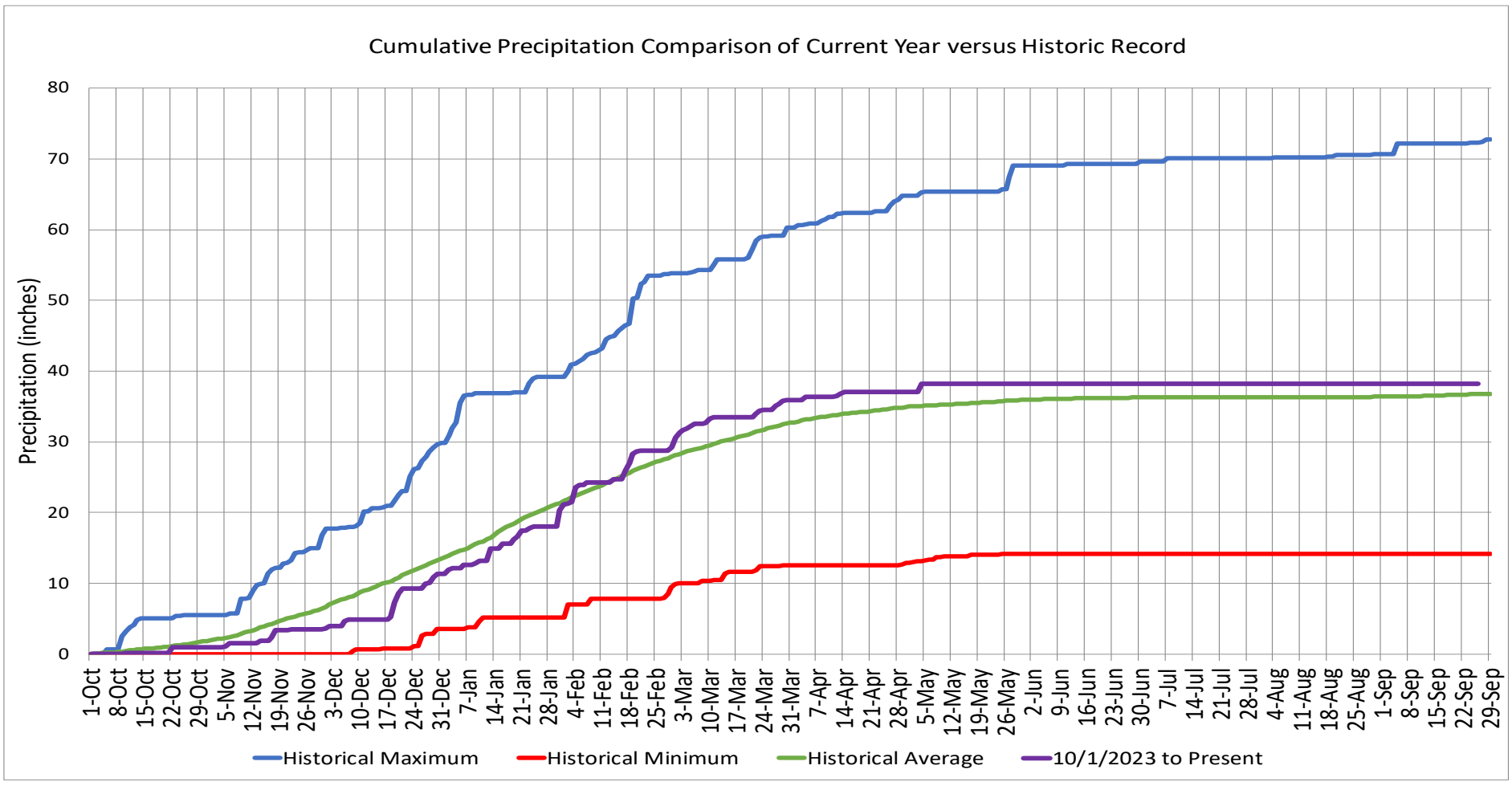
Russian River Estuary Standard Bacterial Indicators

Parameter***	CDPH Guidance*	Date	Patterson Point	Monte Rio	Vacation Beach
Total Coliforms MPN/100 mL	10,000	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**
		8/13/2024	1732.9	1732.9	1553.1
		8/20/2024	2382**	1153**	1187**
		8/27/2004	1299.7	1986.3	1732.9
		9/3/2024	2419.6	2419.6	980.9
E. Coli MPN/100 mL	235	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
		8/13/2024	18.5	6.3	6.3
		8/20/2024	52	13.4	8.6
		8/27/2004	26.2	8.6	19.5
		9/3/2024	28.5	12.2	12.1
Enterococcus MPN/100 mL****	61	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
		8/13/2024	17.6	1	5.2
		8/20/2024	51.2	8.6	18.9
		8/27/2004	55.7	8.6	12.2
		9/3/2024	21.1	8.6	2

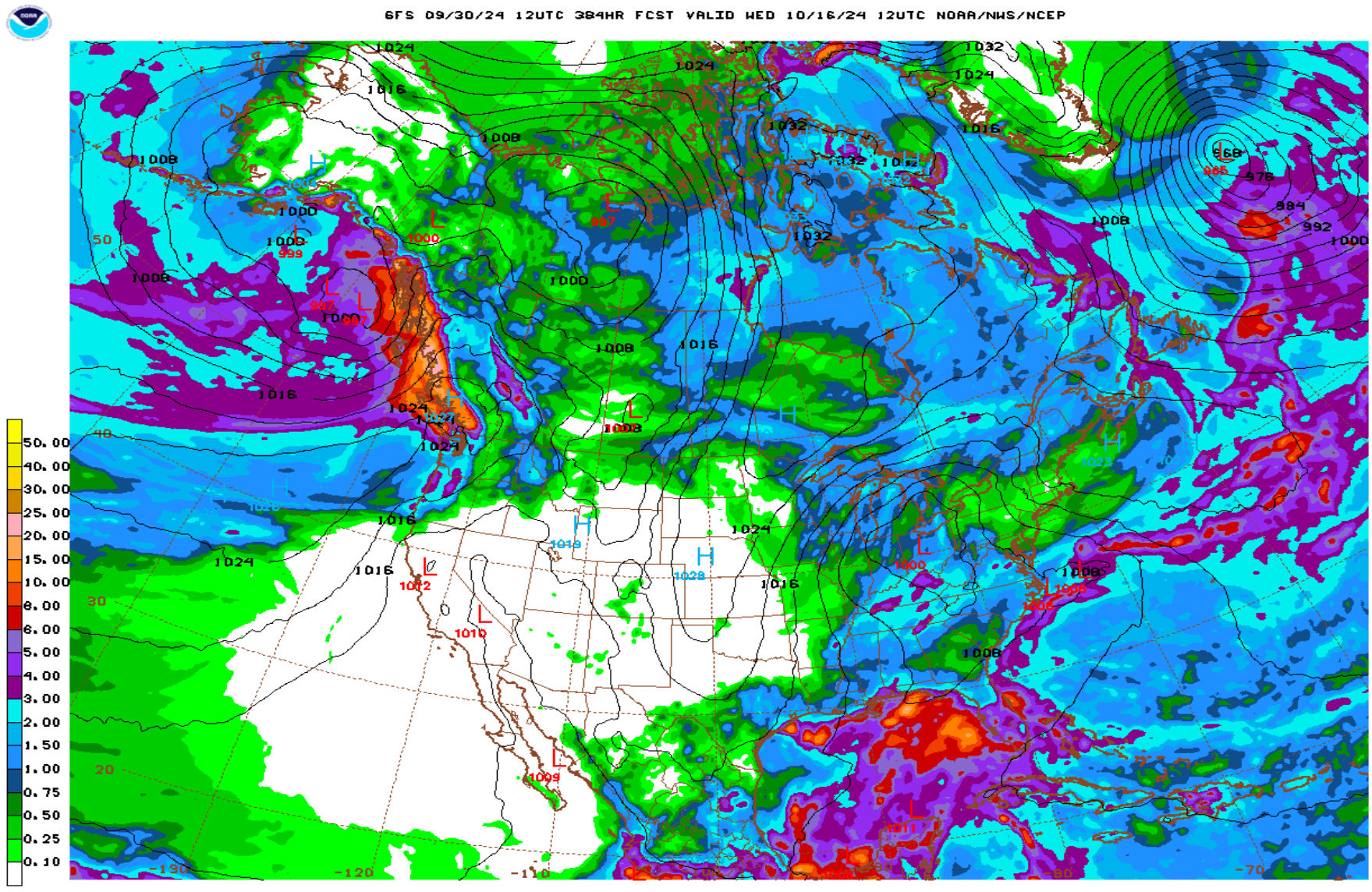
*California Department of Public Health (CDPH) Guidance for Fresh Water Beaches - Single Sample Values:
Freshwater beaches include Patterson Point, Monte Rio, and Vacation Beach
Beach posting is recommended when indicator organisms exceed any of the above corresponding levels
**Sample diluted 1:10
***Method 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

Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2023 - Sep 26, 2024	**38.22**
Last 7 Days*	**0.00**



Global Forecast System Model 16-day Cumulative Precipitation Forecast



Date Range	Forecasted Cumulative (inches)
Sep 30 - Oct 16, 2024	**0.00**

Russian River Fisheries Monitoring

Sonoma Water installed the underwater video camera at the Mirabel dam to monitor adult salmon returns to the Russian River. Video monitoring began on September 1, 2024. The first adult Chinook salmon for the 2024 return year was observed on September 14. No other adult salmonids have been observed.