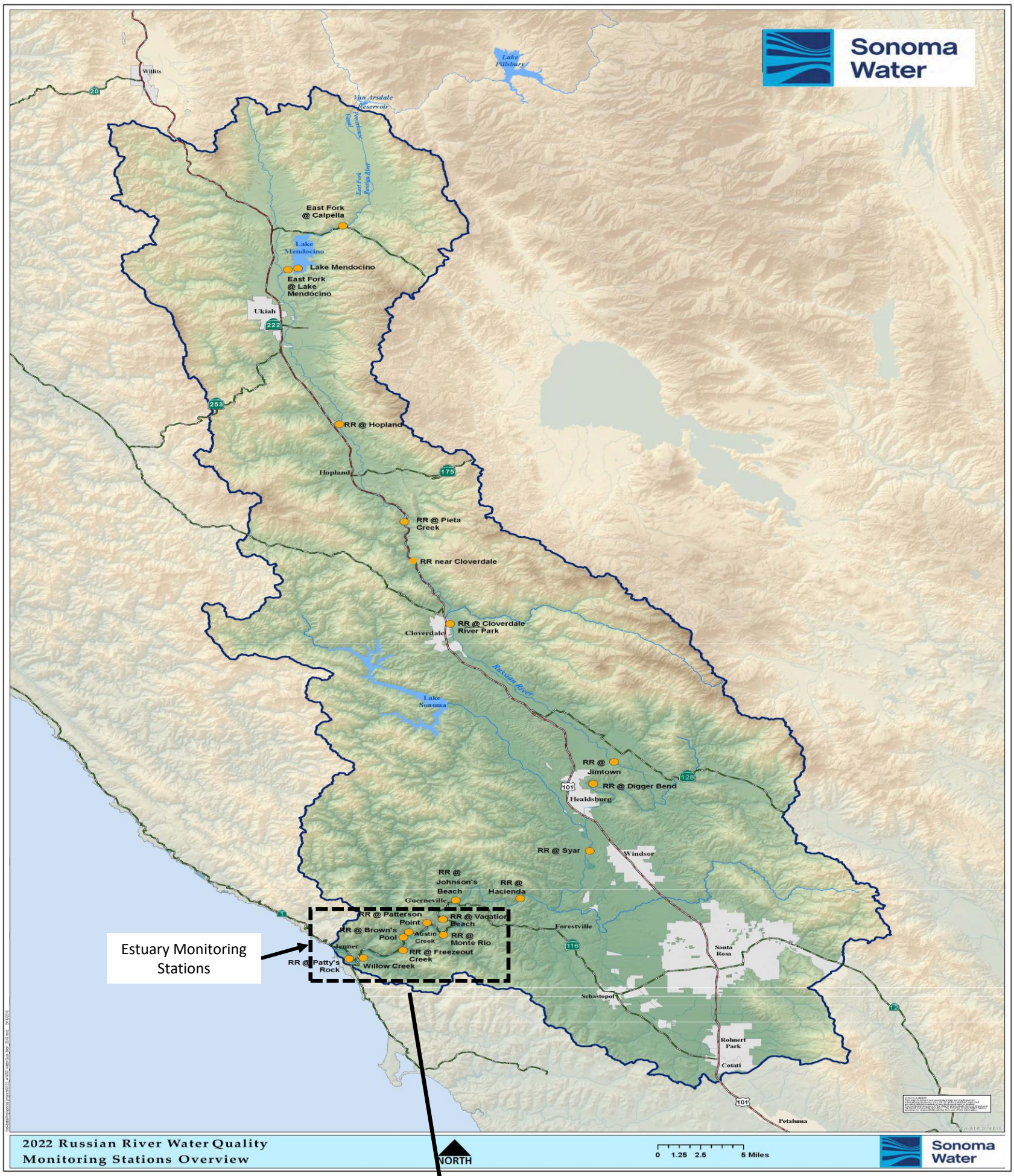
State Water Resources Control Board
Temporary Urgency Change Order (6/17/2022)

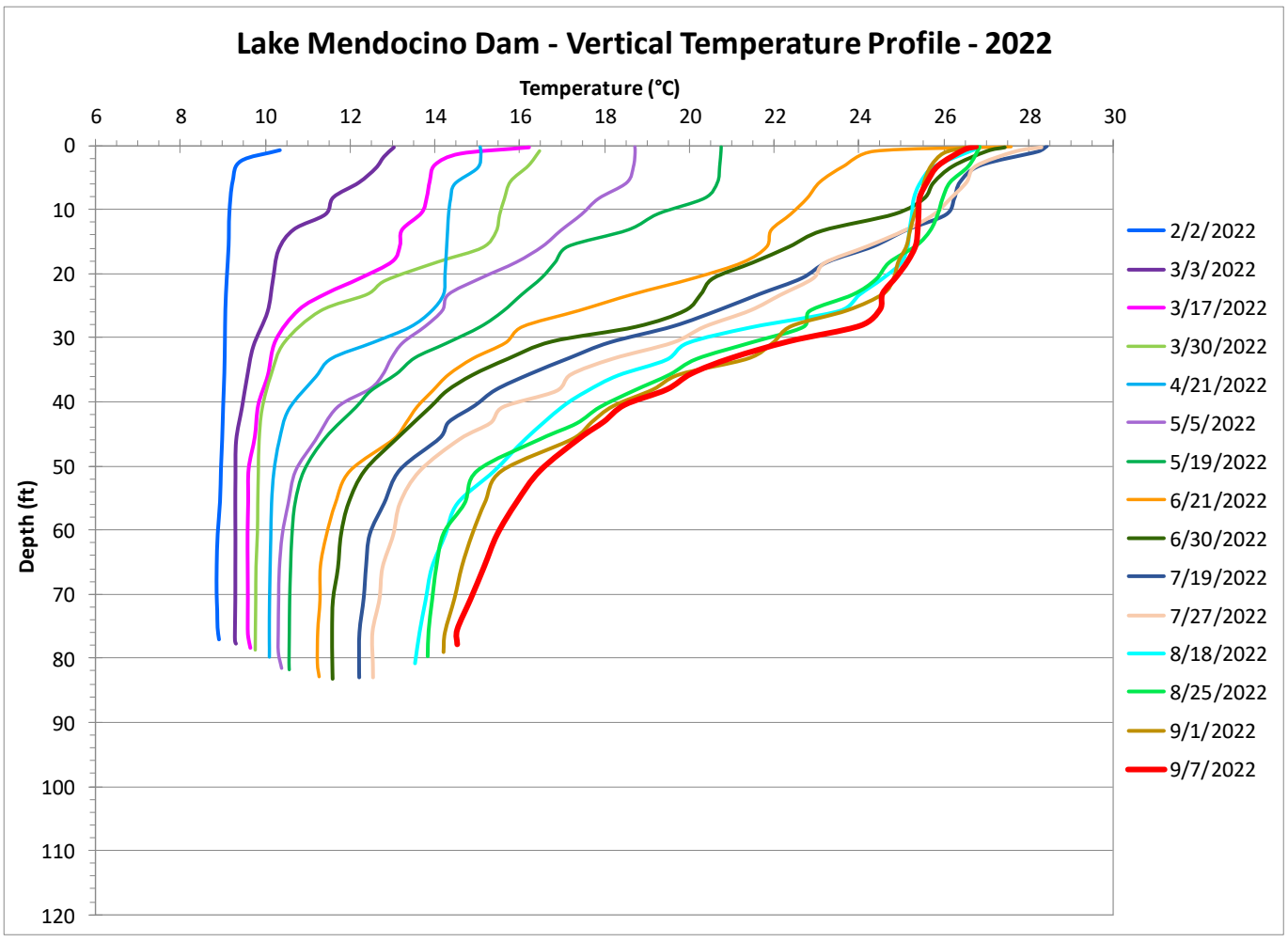
Russian River Water Quality Report

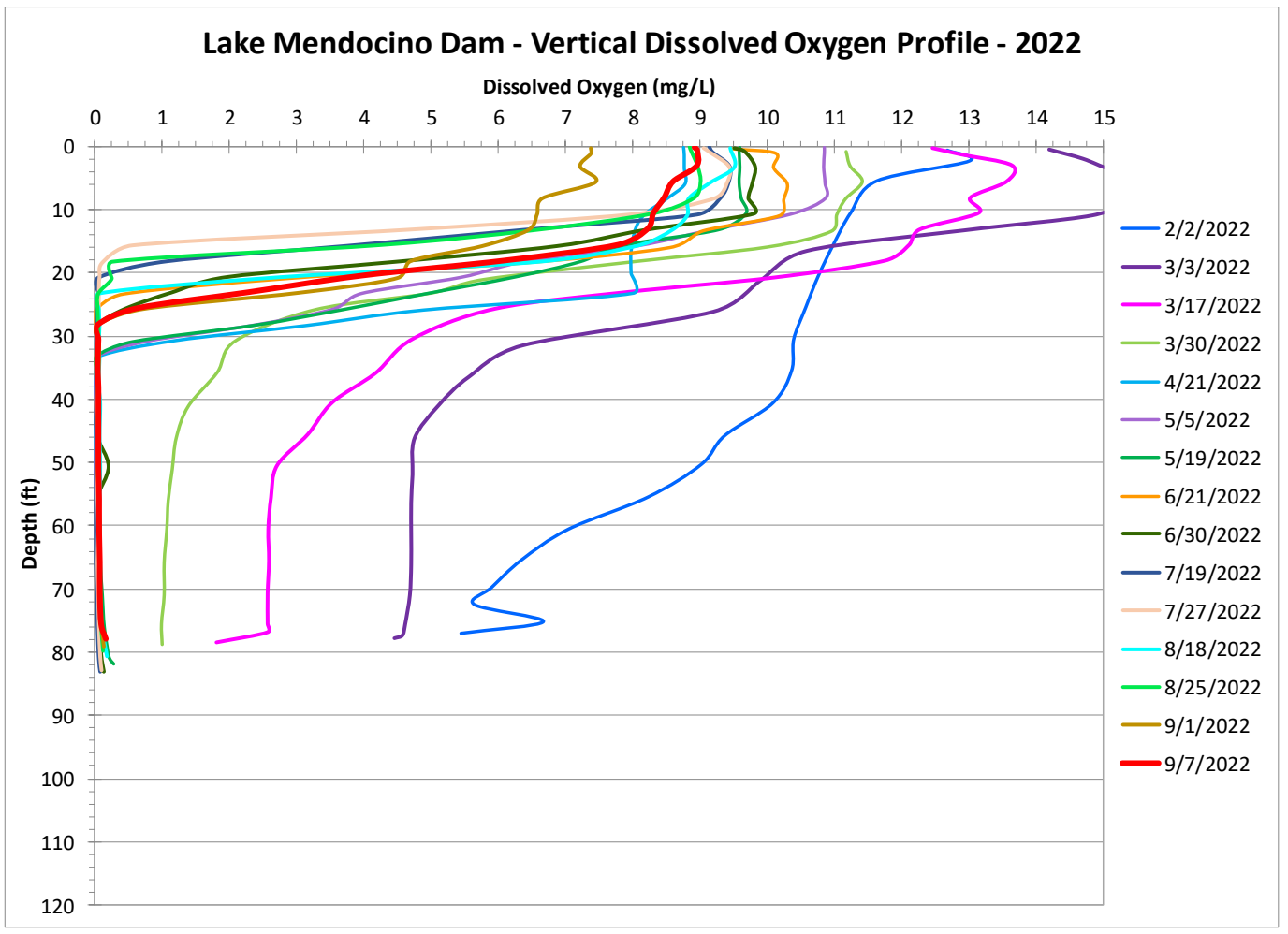
September 02, 2022 – September 08, 2022

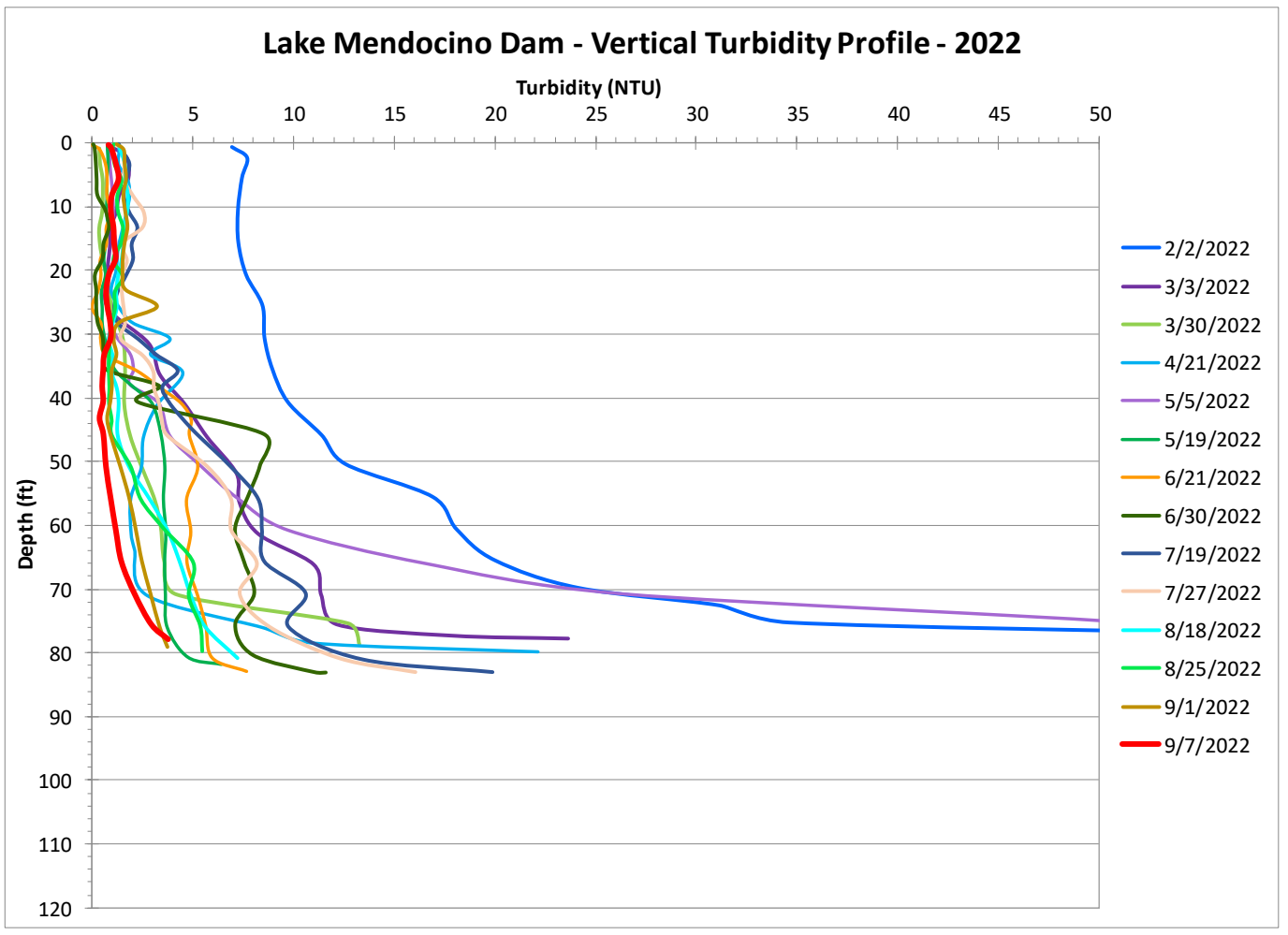


Lake Mendocino Water Quality Vertical Profiles (February 2 – September 8, 2022)

Provisional Data Subject to Revision





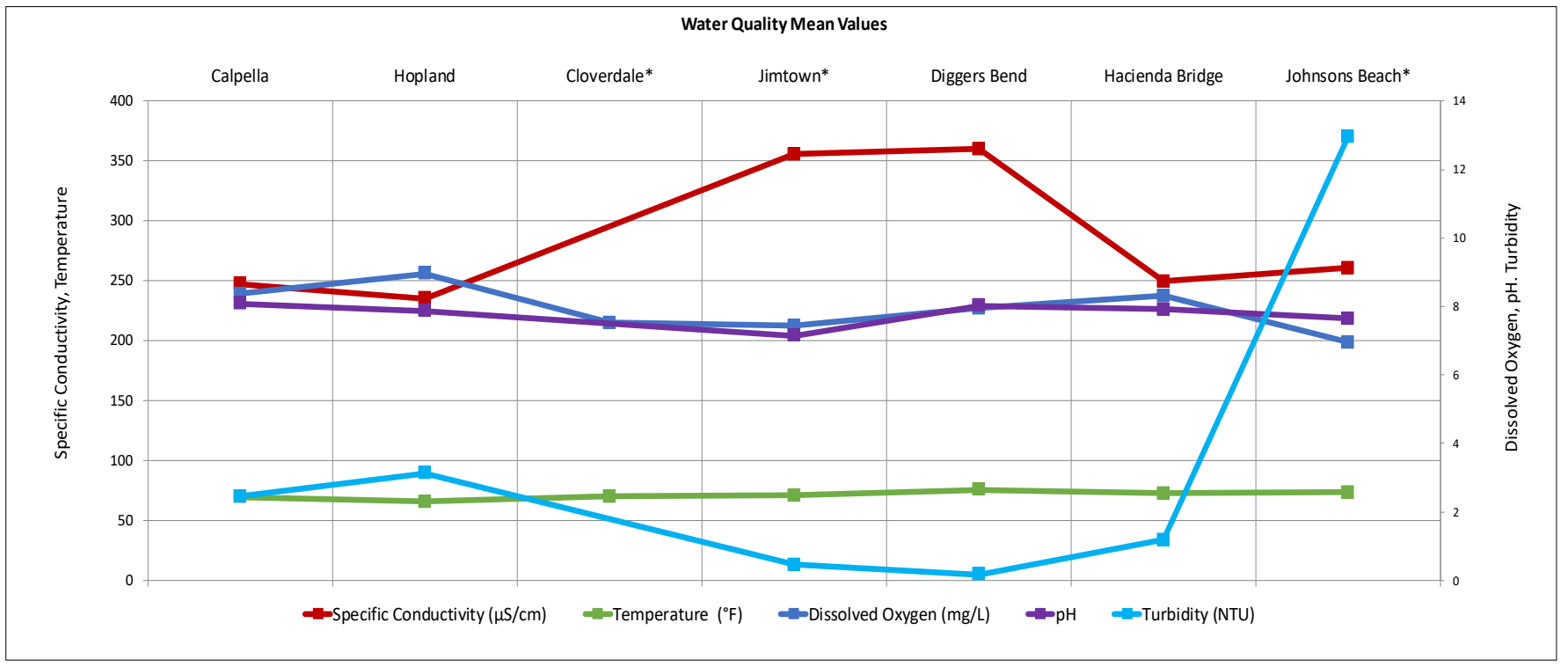


Russian River Water Quality Sondes (September 02, 2022 – September 08, 2022)

Provisional Data Subject to Revision

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	65.1	60.4	65.5	65.8	69.8		69.3	72.1
	Max	74.3	69.3	74.3	75.6	80.4		76.8	75.3
	Mean	69.5	65.4	69.8	70.9	75.6		72.7	73.6
Specific Conductivity (µS/cm)	Min	240.0	232.0		353.0	355.0		243.0	135.9
	Max	258.0	237.0		358.0	363.0		257.0	277.9
	Mean	247.5	235.2		355.7	360.1		249.4	260.9
Dissolved Oxygen (mg/L)	Min	7.5	7.5	5.4	4.7	5.3		7.3	5.1
	Max	9.8	11.2	11.3	11.4	10.9		9.2	8.6
	Mean	8.4	9.0	7.5	7.4	7.9		8.3	7.0
Dissolved Oxygen (% Saturation)	Min	84.7	79.0	59.3	52.3	62.0		83.4	59.1
	Max	109.4	121.4	128.5	134.7	132.6		105.9	100.0
	Mean	93.5	95.9	84.6	84.7	95.2		96.2	81.2
pH	Min	7.9	7.6		7.0	7.7		7.7	7.4
	Max	8.3	8.4		7.4	8.4		8.2	7.8
	Mean	8.1	7.9		7.2	8.0		7.9	7.6
Turbidity (NTU)	Min	1.1	2.1		0.1	0.0		0.4	-0.7
	Max	5.1	4.7		0.9	0.9		2.1	932.2
	Mean	2.4	3.1		0.4	0.2		1.2	13.0

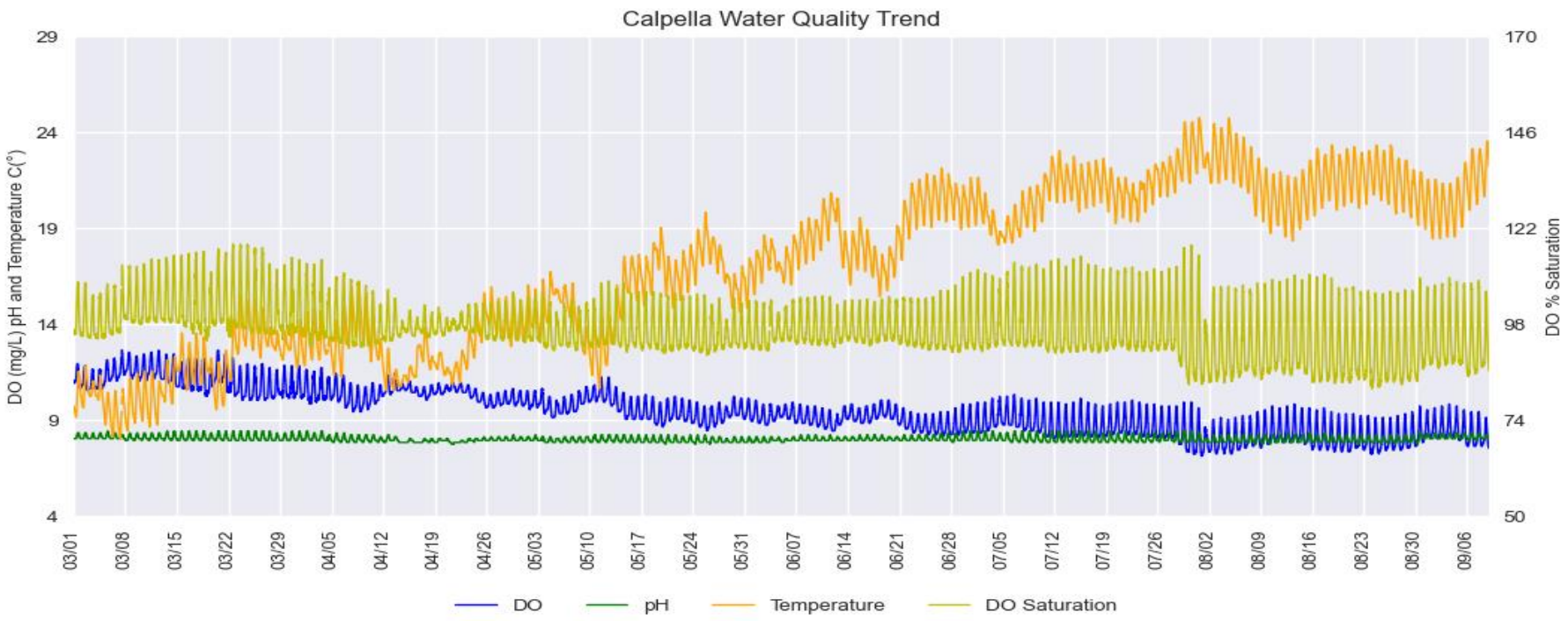
*Station operated seasonally

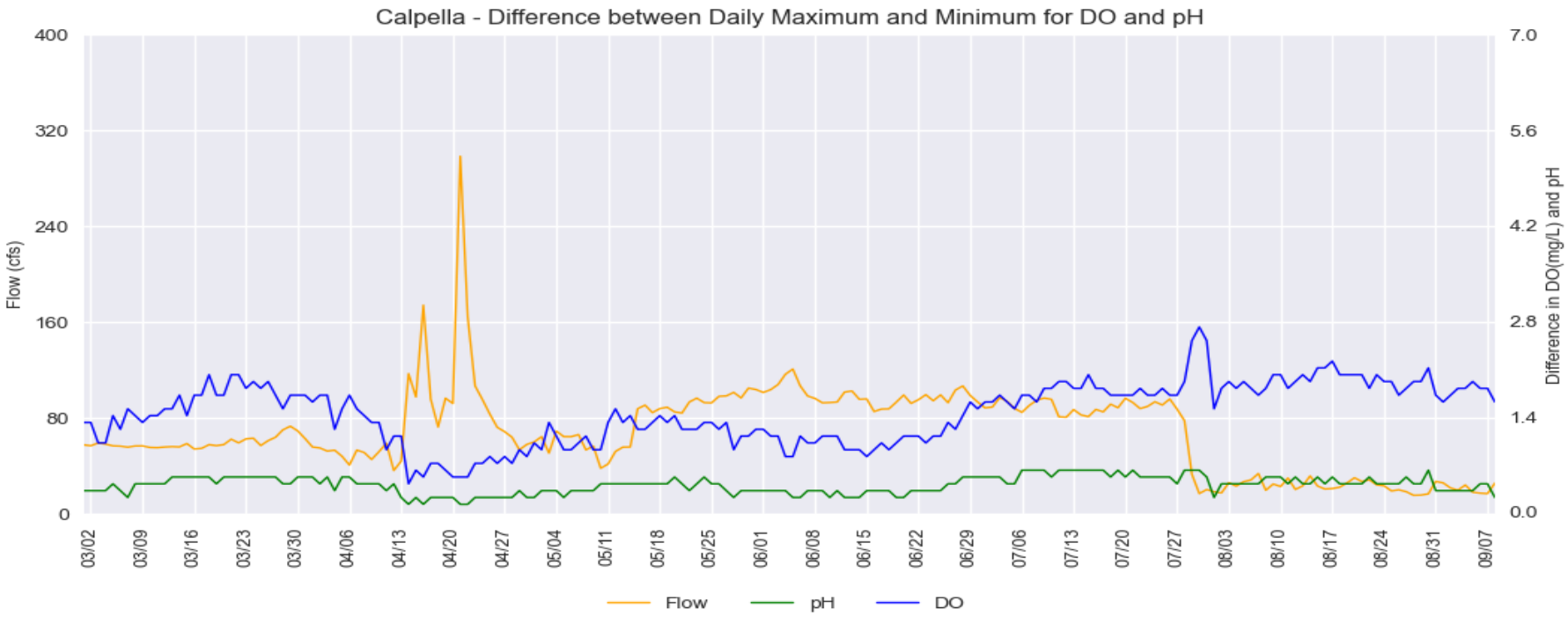


Russian River Water Quality (March 01, 2022 - September 08, 2022)

Provisional Data Subject to Revision

Calpella (East Fork Russian River)

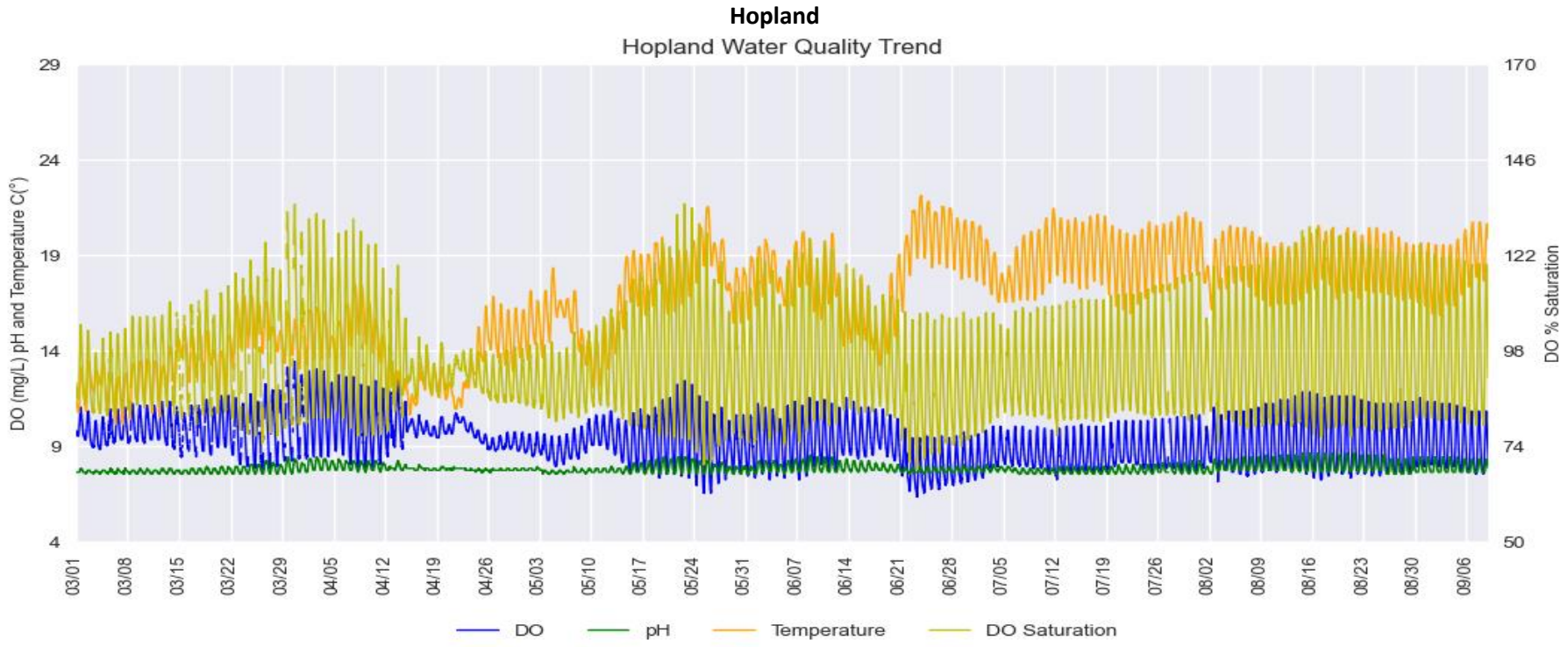


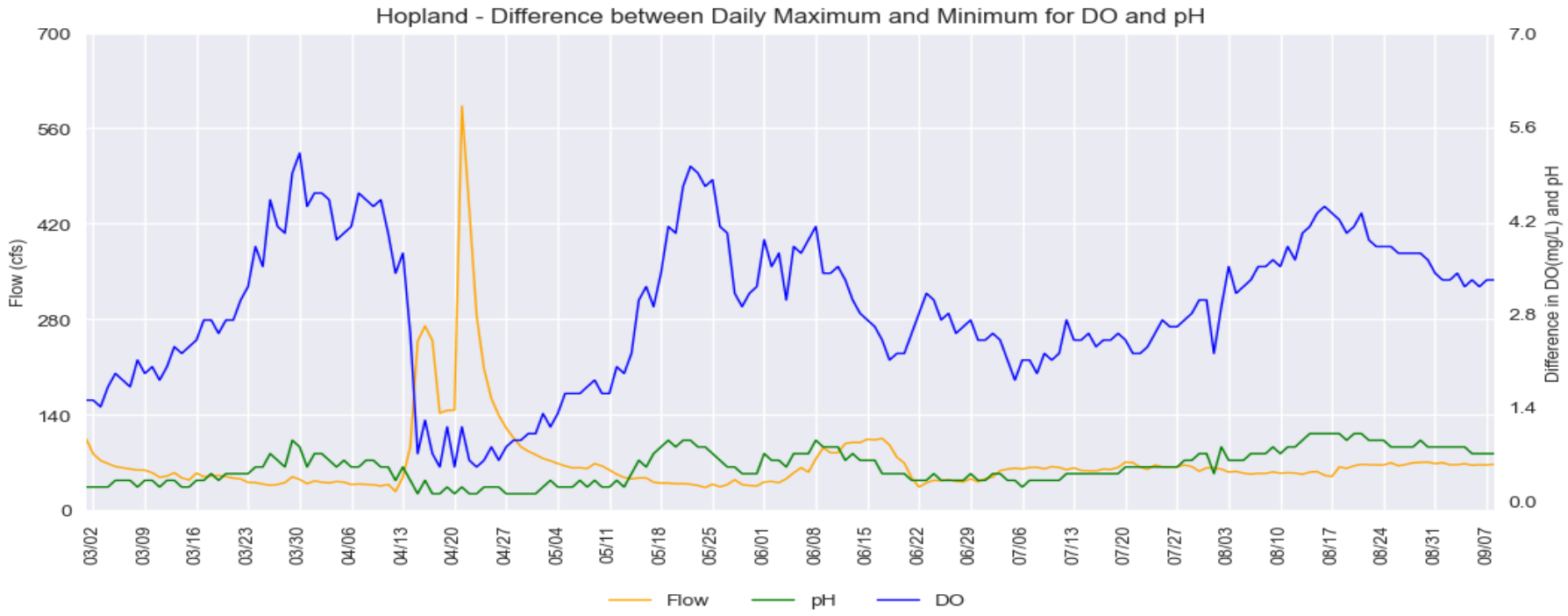


Russian River Water Quality (March 01, 2022 - September 08, 2022)

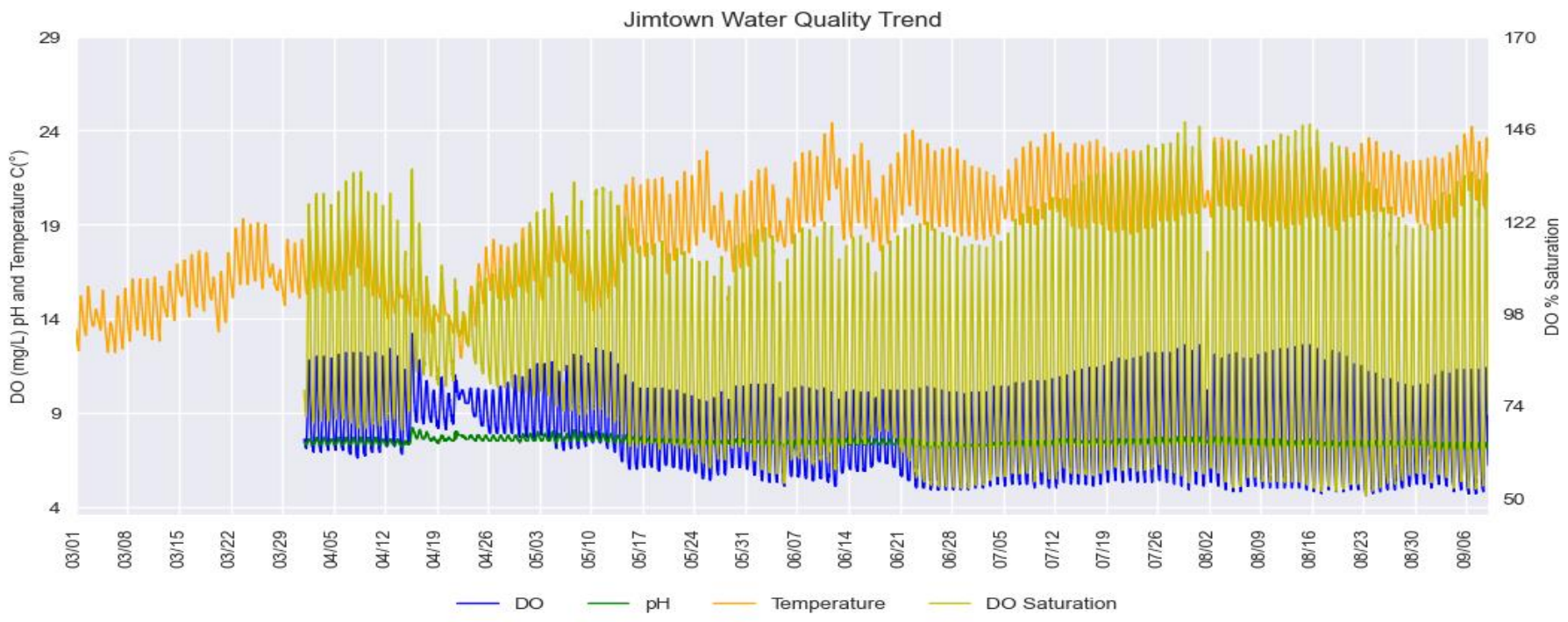
Provisional Data Subject to Revision

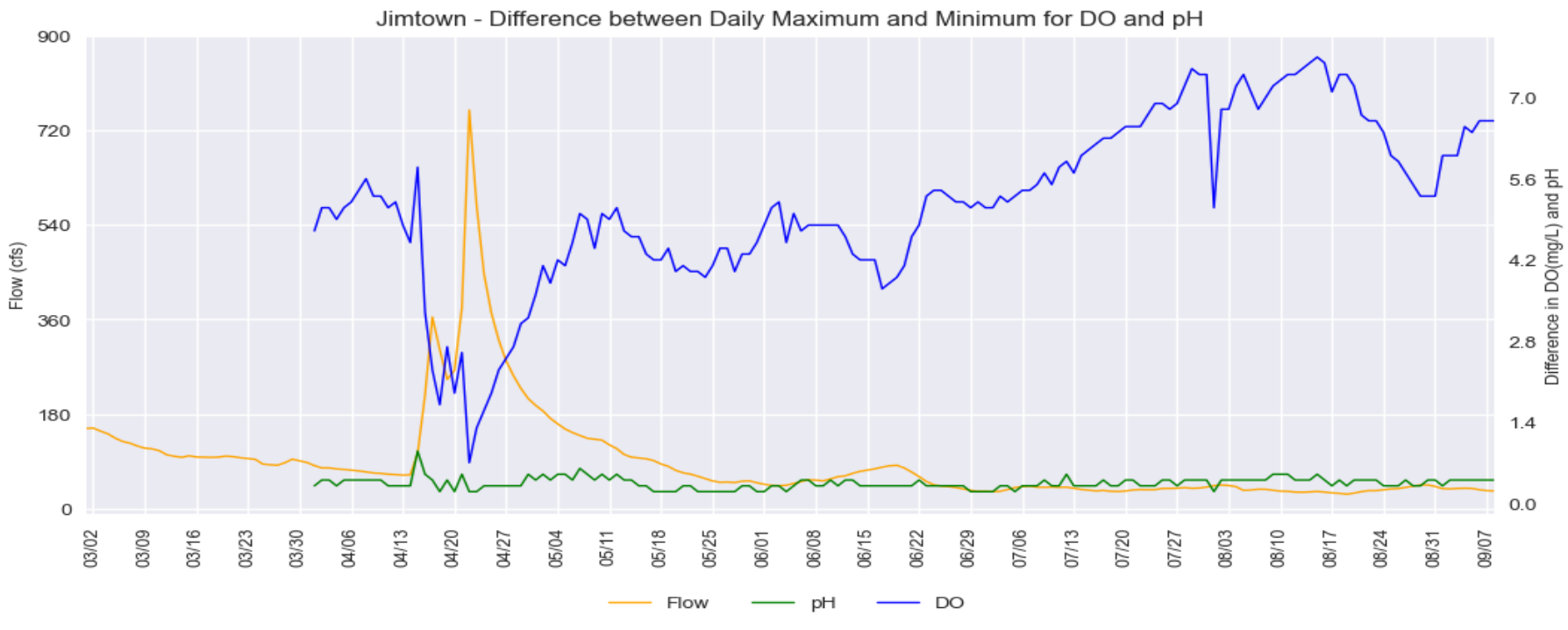
Hopland





Jimtown

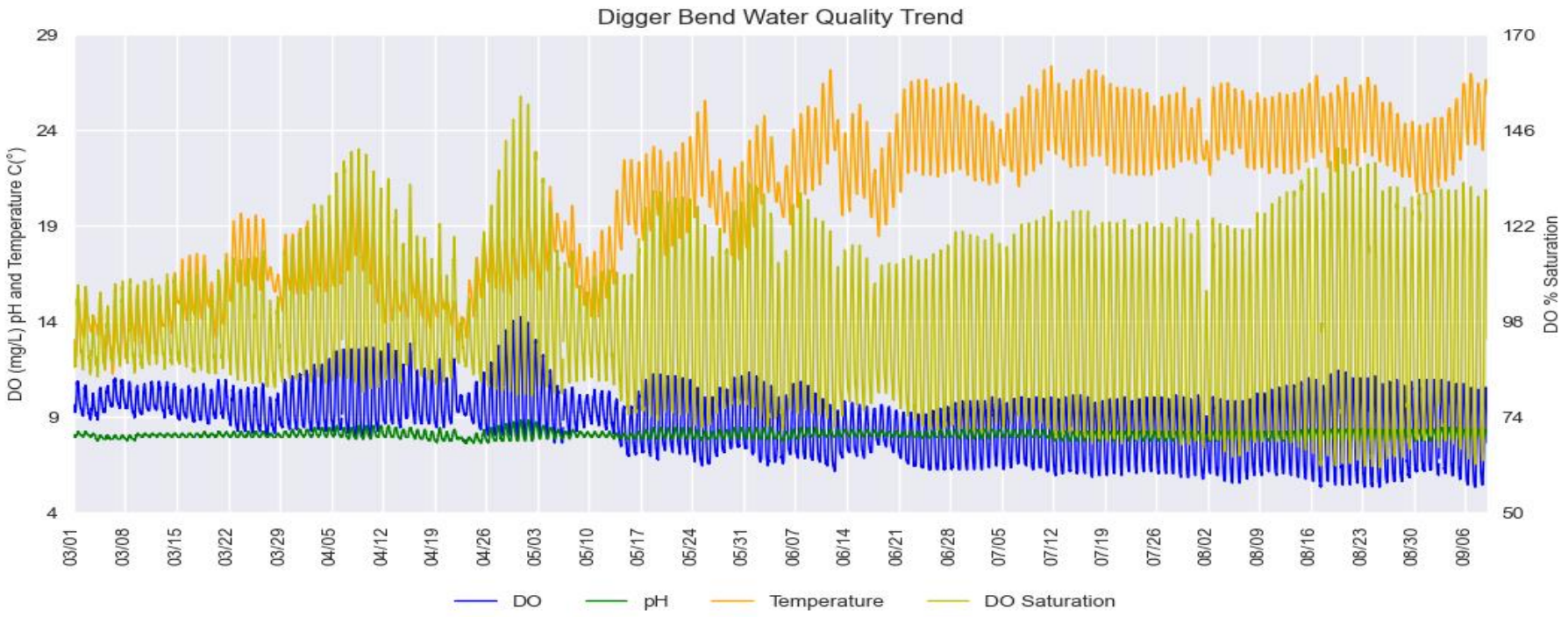


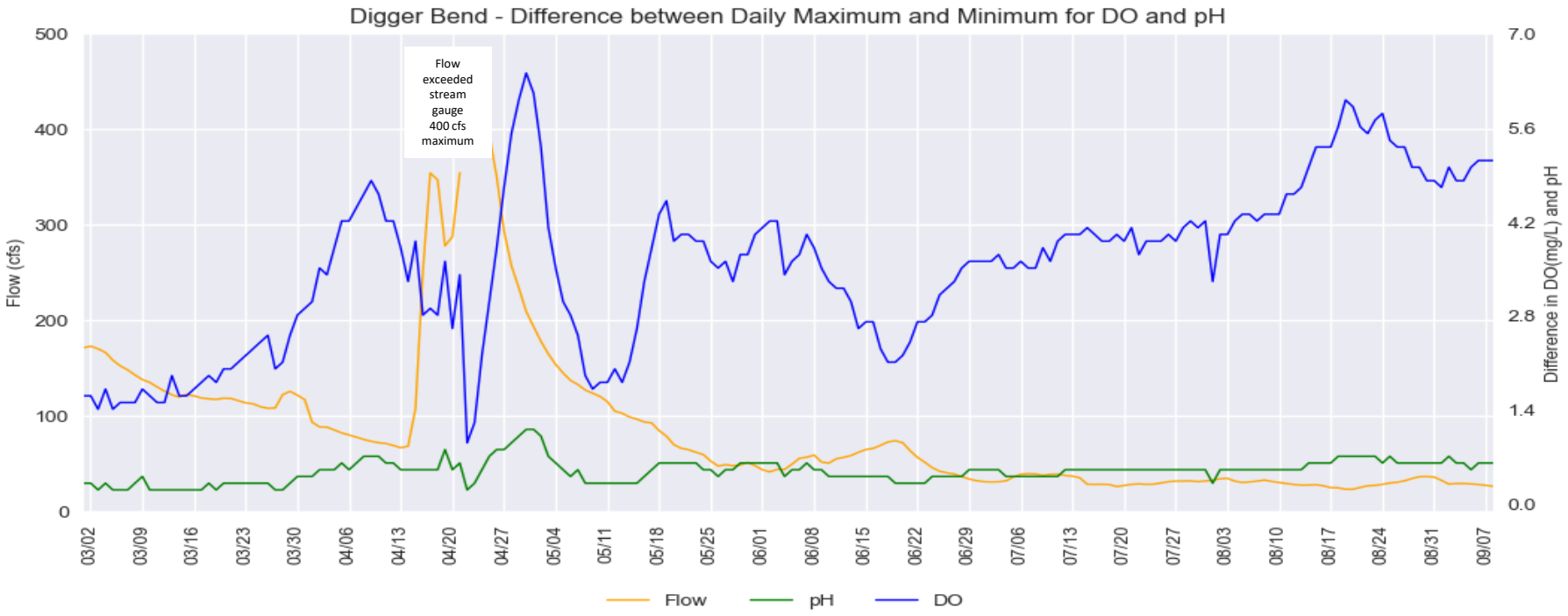


Russian River Water Quality (March 01, 2022 - September 08, 2022)

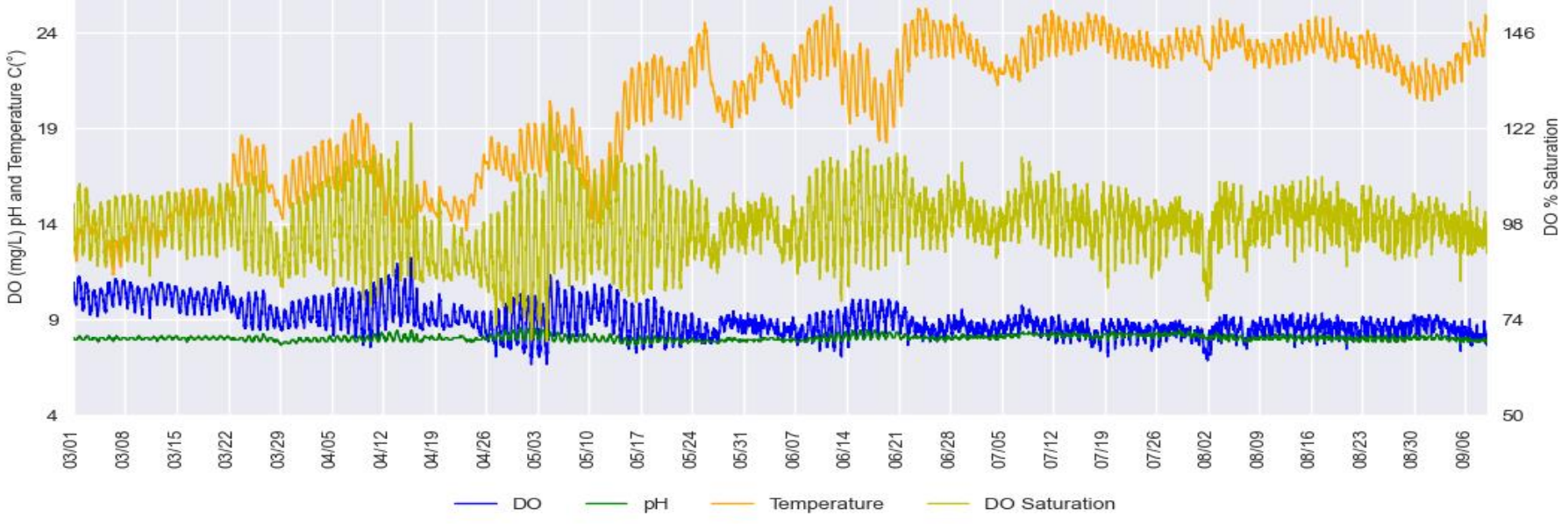
Provisional Data Subject to Revision

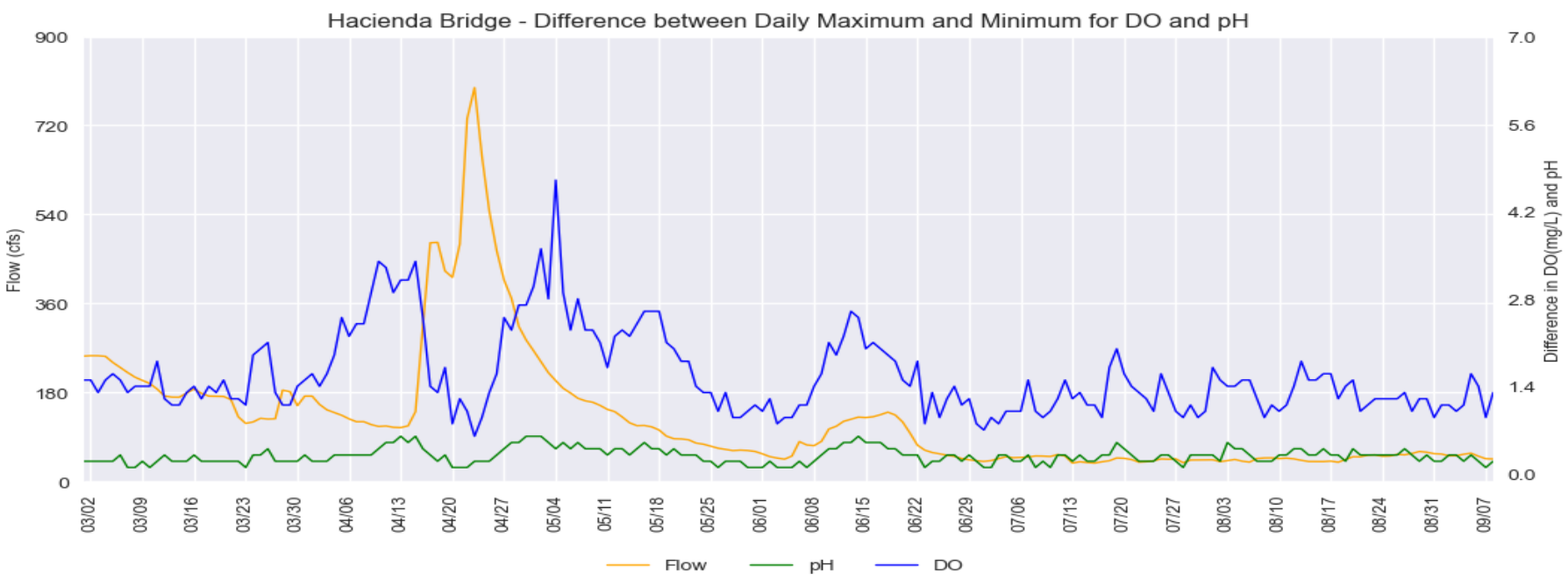
Digger Bend





Hacienda Bridge

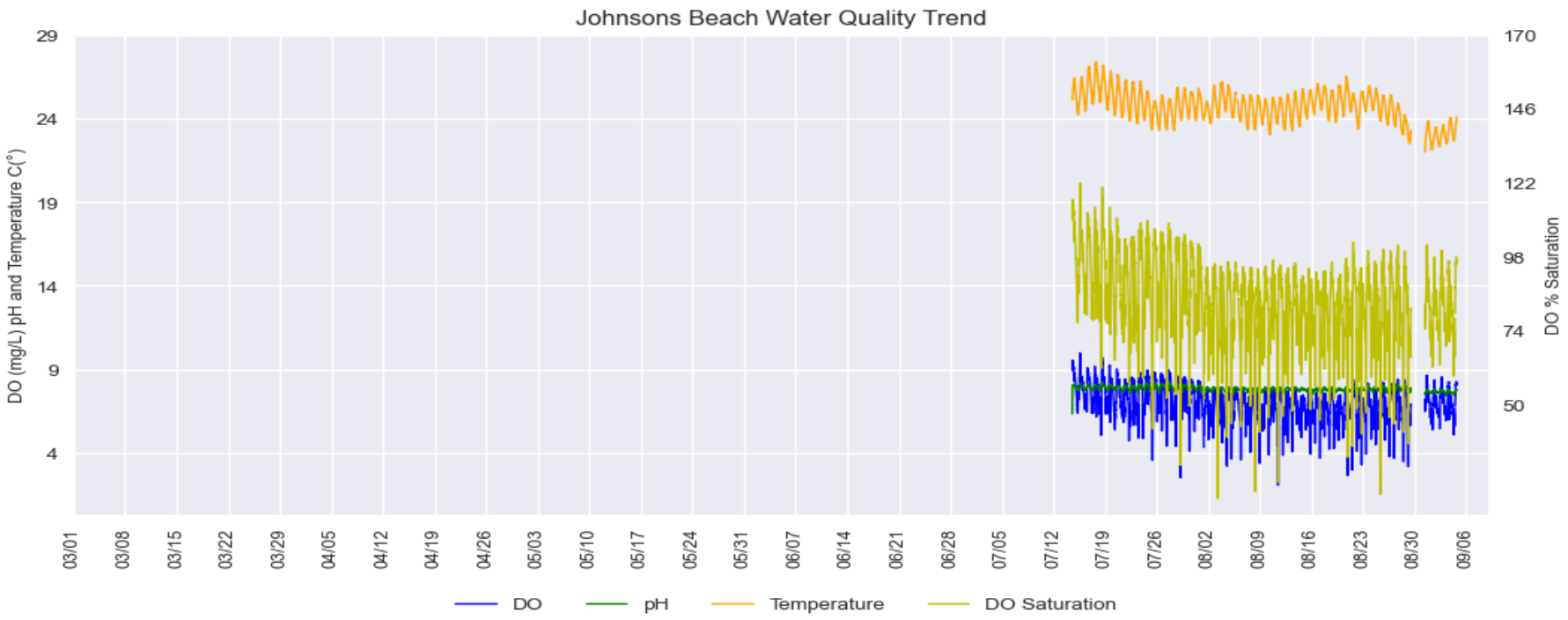


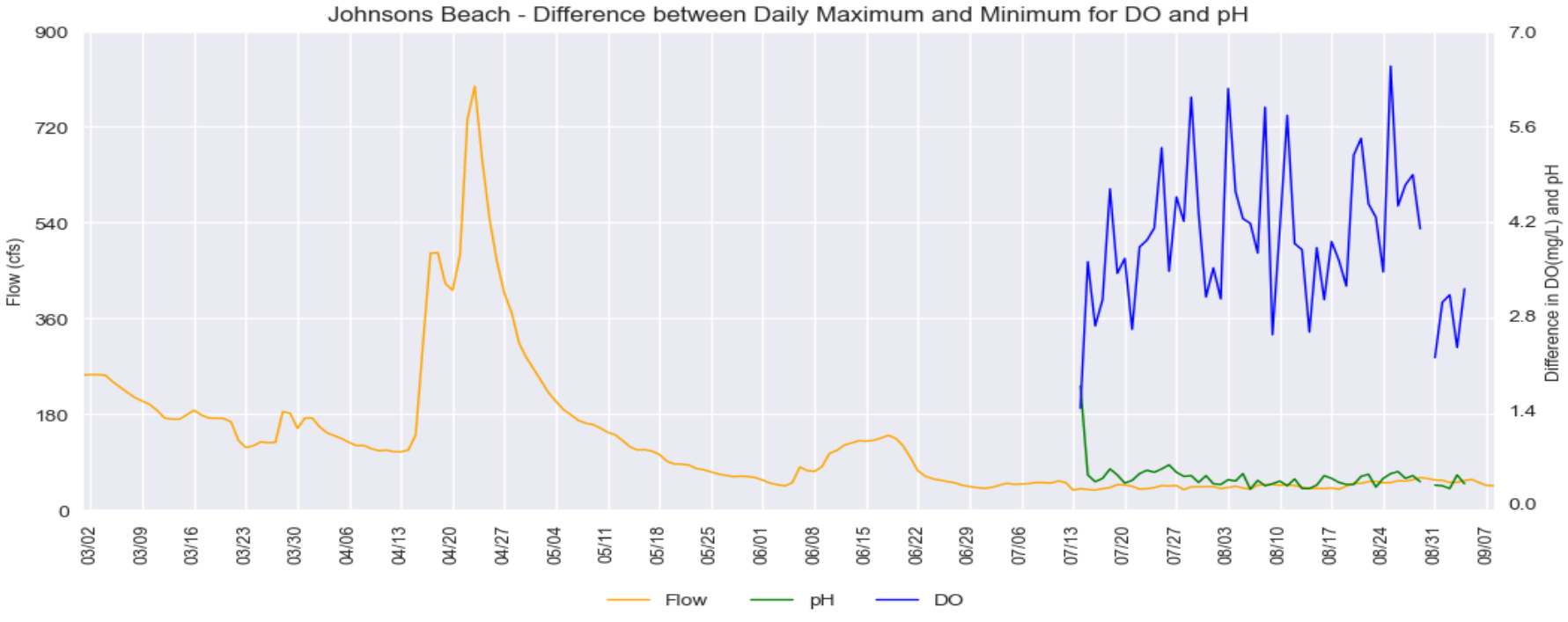


Russian River Water Quality (March 01, 2022 - September 08, 2022)

Provisional Data Subject to Revision

Johnsons Beach

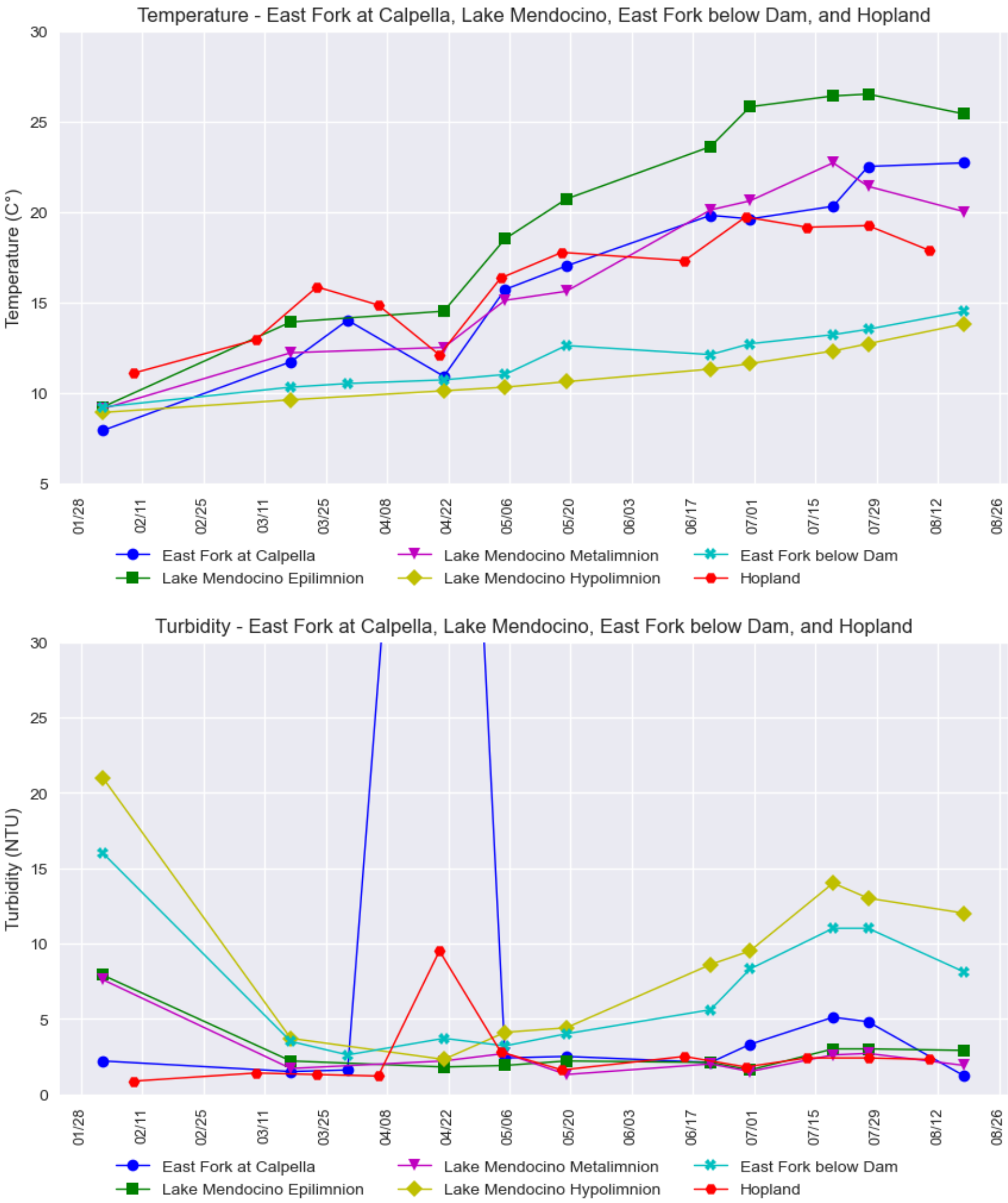


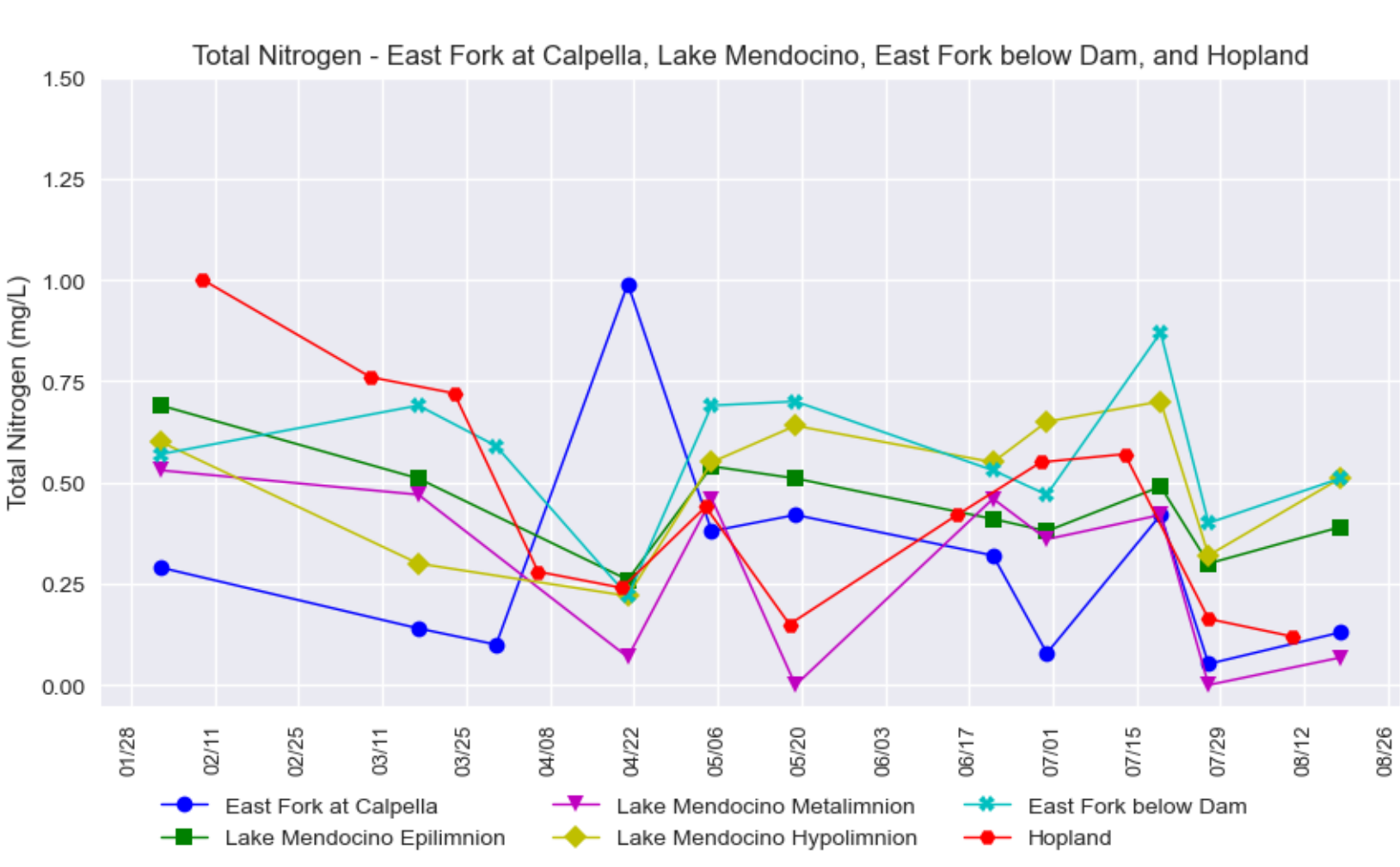


Russian River Water Quality Grab Samples (February 02 - August 18, 2022)

Provisional Data Subject to Revision

Lake Mendocino to Hopland Water Quality



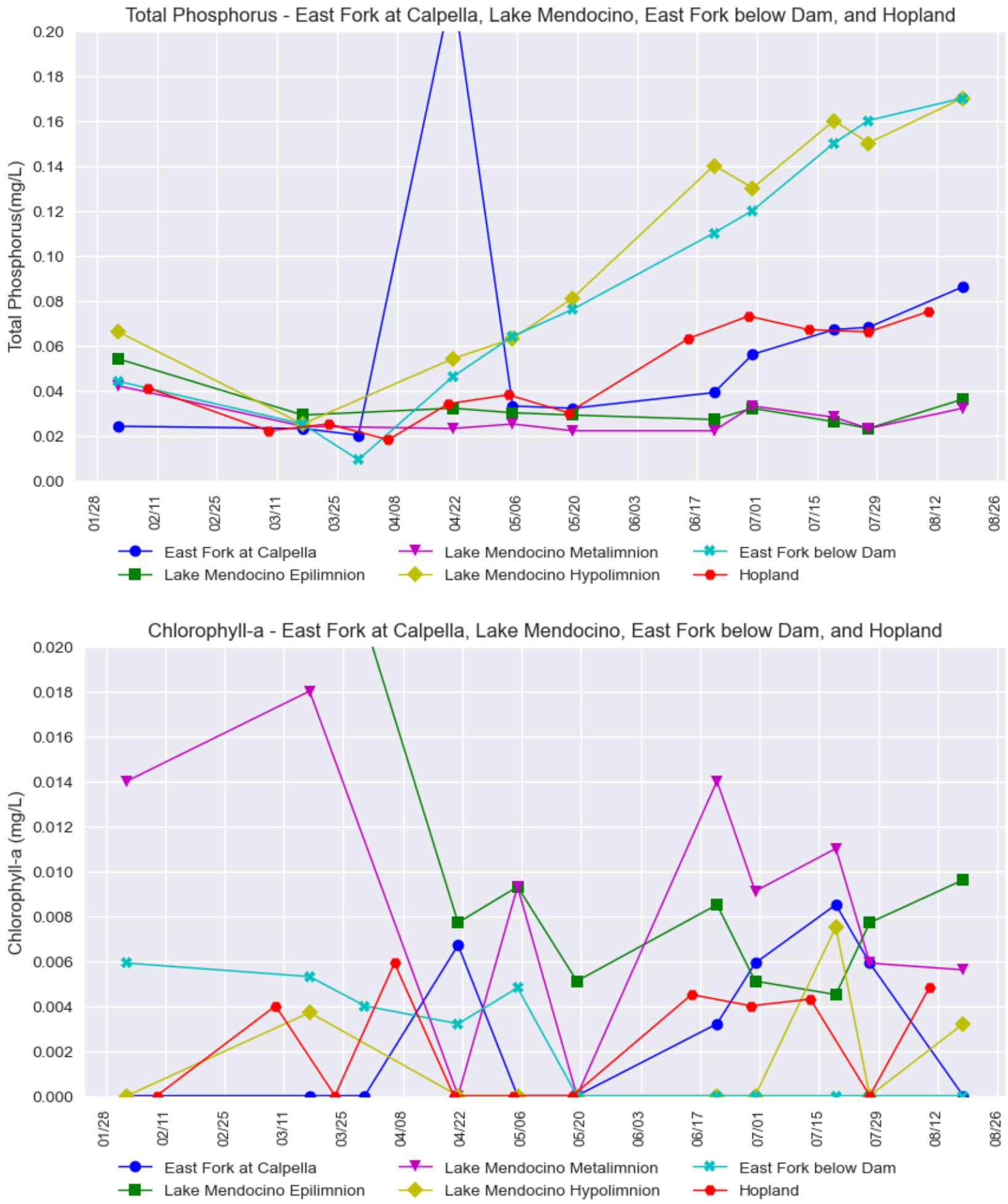


*Each marker in the plot represents a grab sample. The lines are used to help visualize the data, but do not represent a continuous data measurement.

Russian River Water Quality Grab Samples (February 02 - August 18, 2022)

Provisional Data Subject to Revision

Lake Mendocino to Hopland Water Quality



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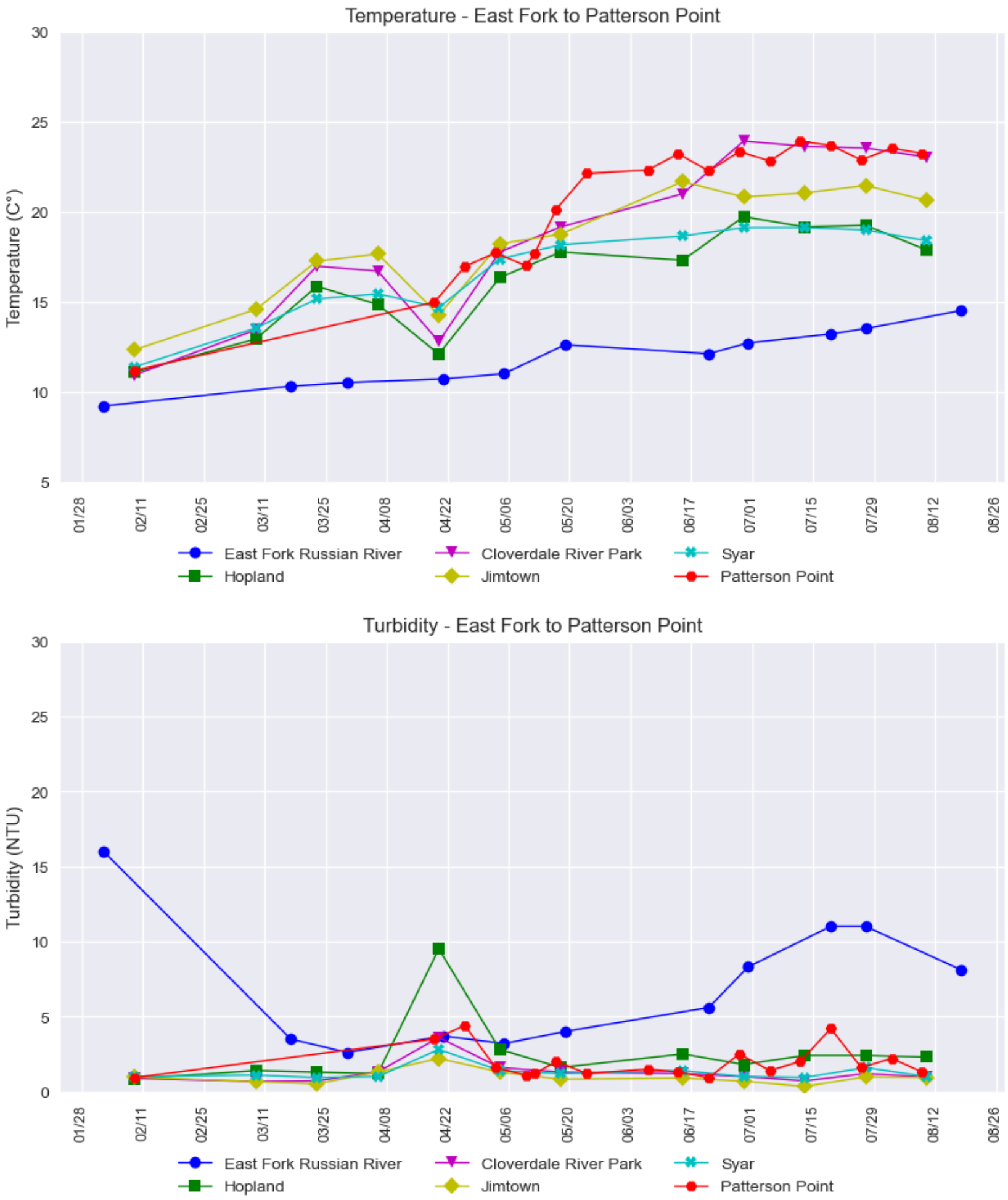
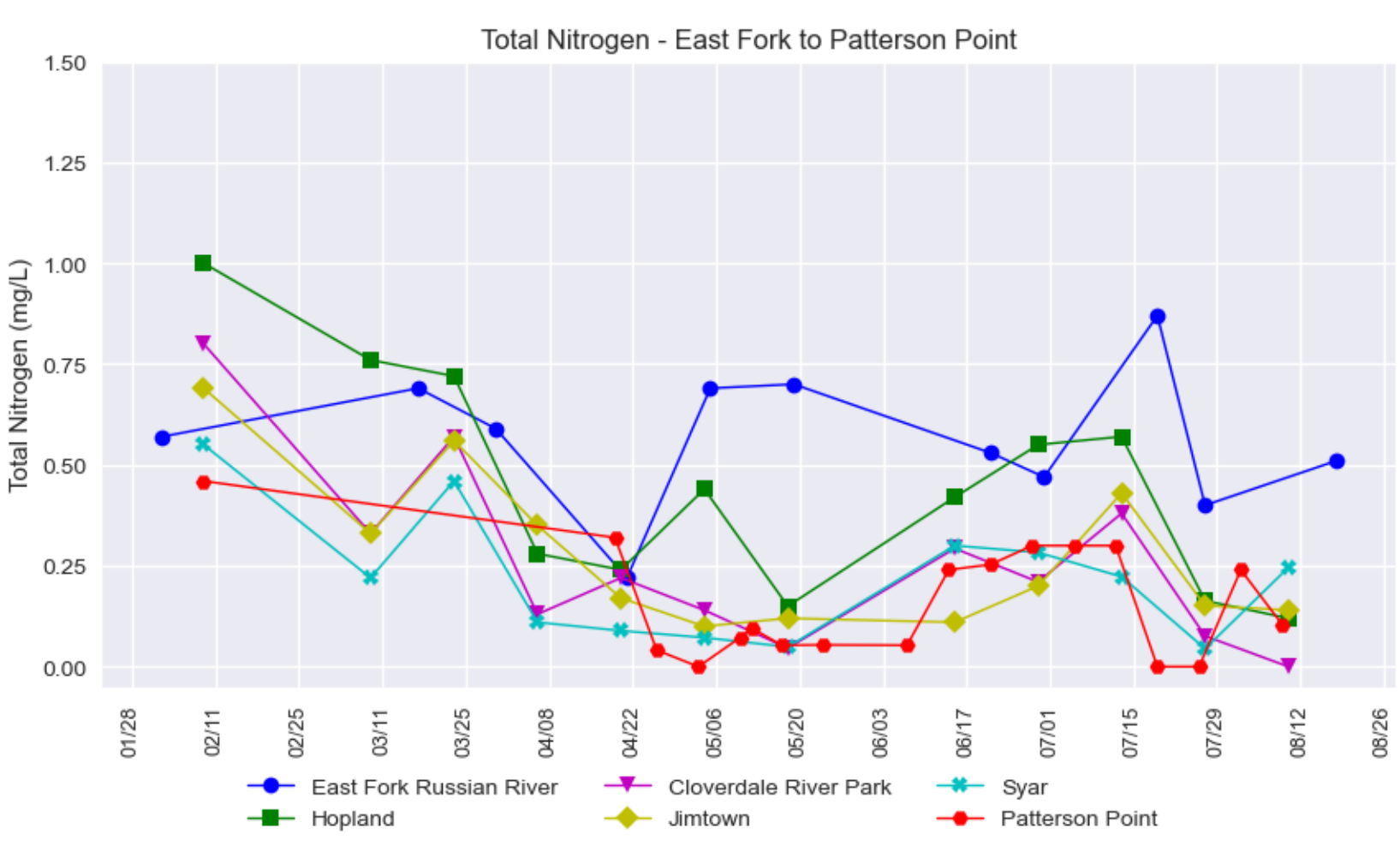
Russian River Water Quality Grab Samples(February 02 - August 18, 2022)

Provisional Data Subject to Revision

East Fork (below Lake Mendocino) to Patterson Point Water Quality





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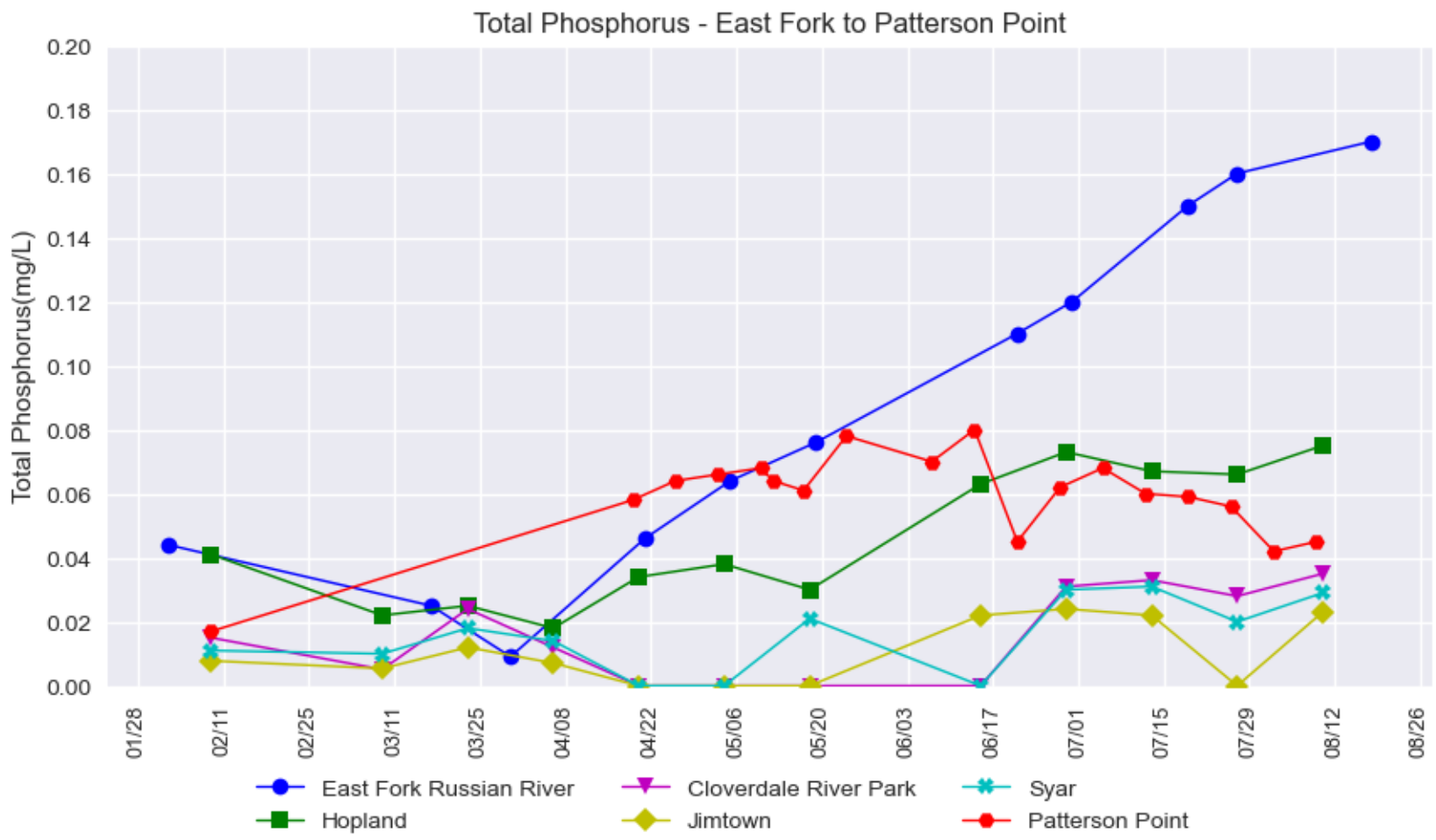
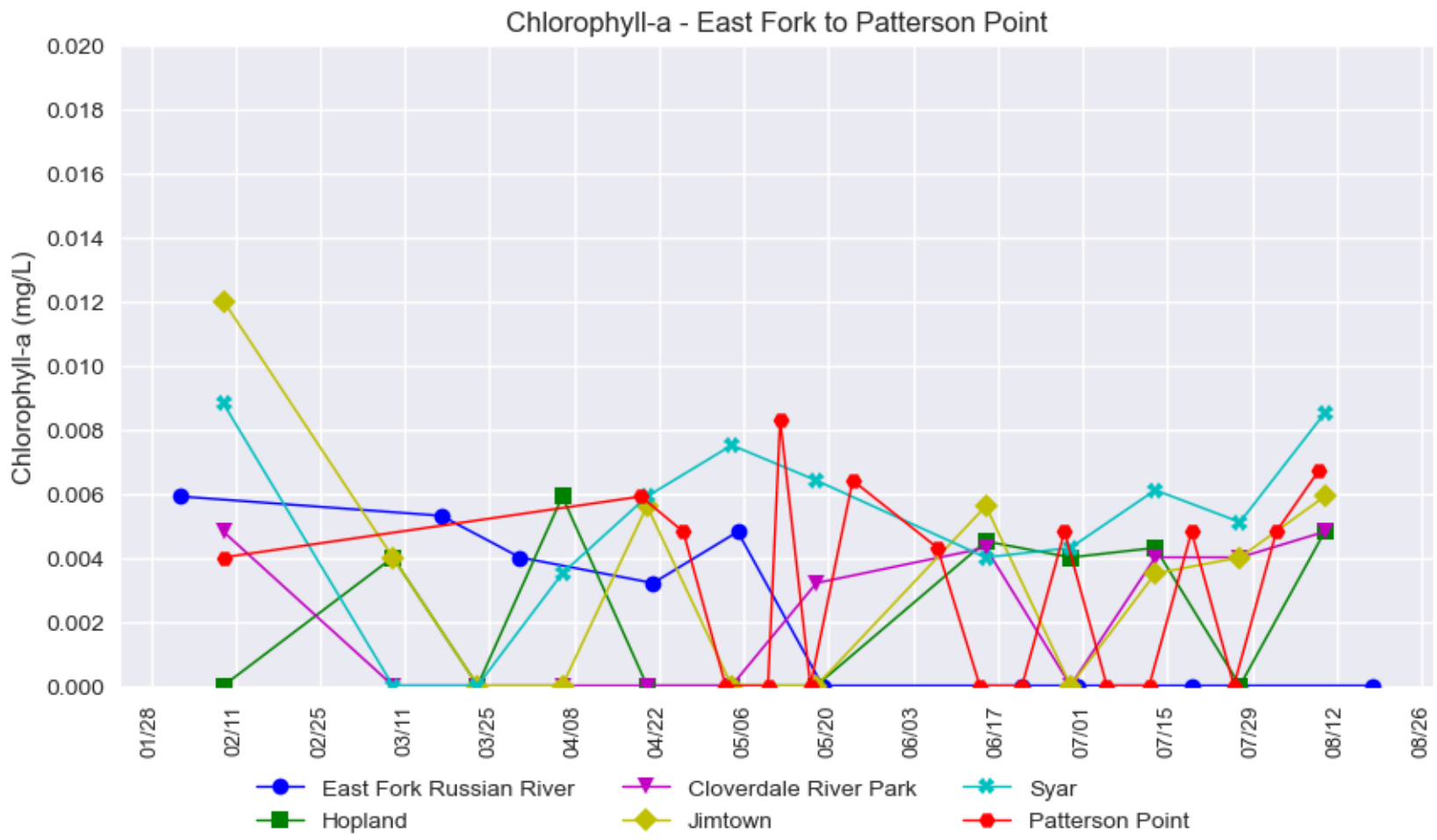
Russian River Water Quality Grab Samples (February 02 - August 18, 2022)

Provisional Data Subject to Revision

East Fork (below Lake Mendocino) to Syar Water Quality





*Each marker in the plot represents a grab sample. The lines are used to help visualize the data, but do not represent a continuous data measurement.

Russian River Water Quality Grab Samples (July 19 - September 6, 2022)
Provisional Data Subject to Revision

Parameter***	CDPH Guidance*	Date	Patterson Point	Monte Rio	Vacation Beach
Total Coliforms MPN/100 mL	10,000	7/19/2022	1314**	2046**	9208**
		7/26/2022	959**	1670**	31**
		8/2/2022	1017**	1354**	6488**
		8/9/2022	2140**	2978**	2282**
		8/16/2022	1046.2	1046.2	1986.3
		8/23/2022	1553.1	1413.6	1986.3
		8/30/2022	1720**	1720**	1956**
		9/6/2022	1986.3	1732.9	2419.6
E. Coli MPN/100 mL	235	7/19/2022	41	39.3	13.5
		7/26/2022	23.1	14.6	344.8
		8/2/2022	4.1	21.6	2
		8/9/2022	39.3	23.3	3
		8/16/2022	5.2	10.8	12.2
		8/23/2022	7.5	19.9	13.5
		8/30/2022	12.1	12.2	17.3
		9/6/2022	65.7	30.9	23.1
Enterococcus MPN/100 mL****	61	7/19/2022	63	56.3	41
		7/26/2022	16	44.1	1
		8/2/2022	2	18.5	8.4
		8/9/2022	27.5	13.2	2
		8/16/2022	5.2	10.9	31
		8/23/2022	8.6	8.4	4.1
		8/30/2022	3.1	9.7	22.1
		9/6/2022	65.1	7.5	7.5

*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.

Russian River Water Quality Grab Samples (June 14 - August 16, 2022)
Provisional Data Subject to Revision

Parameter		MDL*	Units	Date	Patterson Point	Monte Rio	Vacation Beach
	Temperature	-	℃	6/14/2022	23.2	23.7	22.6
				6/21/2022	22.2	22.5	22.3
				6/28/2022	23.3	23.2	23.8
				7/5/2022	22.8	23.0	23.1
				7/12/2022	23.9	23.7	24.5
				7/19/2022	23.7	23.9	24.4
				7/26/2022	22.9	23.1	23.3
				8/2/2022	23.1	23.2	23.5
				8/9/2022	23.2	23.6	23.2
				8/16/2022	23.5	23.6	24.0
Nutrients	Ammonia as N	0.1	mg/L	6/14/2022	ND	ND	ND
				6/21/2022	ND	ND	ND
				6/28/2022	ND	ND	ND
				7/5/2022	ND	ND	ND
				7/12/2022	ND	ND	0.11
				7/19/2022	ND	ND	ND
				7/26/2022	ND	ND	ND
				8/2/2022	ND	ND	ND
				8/9/2022	0.12	0.14	0.1
				8/16/2022	ND	ND	ND
	Nitrate as N	0.04	mg/L	6/14/2022	ND	ND	ND
				6/21/2022	0.053	0.054	ND
				6/28/2022	ND	ND	ND
				7/5/2022	ND	ND	ND
				7/12/2022	ND	0.063	ND
				7/19/2022	ND	ND	ND
				7/26/2022	ND	ND	ND
				8/2/2022	ND	ND	ND
				8/9/2022	ND	ND	ND
				8/16/2022	ND	0.063	ND
	Nitrite as N	0.05	mg/L	6/14/2022	ND	ND	ND
				6/21/2022	ND	ND	ND
				6/28/2022	ND	ND	ND
				7/5/2022	ND	ND	ND
				7/12/2022	ND	ND	ND
				7/19/2022	ND	ND	ND
				7/26/2022	ND	ND	ND
				8/2/2022	ND	ND	ND
				8/9/2022	ND	ND	ND
				8/16/2022	ND	ND	ND
	Total Organic Nitrogen as N	0.1	mg/L	6/14/2022	0.24	0.2	0.21
				6/21/2022	0.20	ND	ND
				6/28/2022	0.27	ND	ND
				7/5/2022	0.30	0.28	0.28
				7/12/2022	0.30	0.25	ND
				7/19/2022	ND	ND	0.47
				7/26/2022	ND	ND	ND
				8/2/2022	ND	ND	0.24
				8/9/2022	ND	ND	ND
				8/16/2022	ND	ND	ND
	Total Kjeldahl Nitrogen	0.2	mg/L	6/14/2022	0.24	0.2	0.21
				6/21/2022	0.2	ND	ND
				6/28/2022	0.27	ND	0.2
				7/5/2022	0.3	0.28	0.28
				7/12/2022	0.3	0.25	ND
				7/19/2022	ND	ND	0.47
				7/26/2022	ND	ND	ND
				8/2/2022	ND	ND	0.24
				8/9/2022	ND	ND	ND
				8/16/2022	ND	ND	ND
	Total Phosphorus	0.02	mg/L	6/14/2022	0.080	0.073	0.064
				6/21/2022	0.045	0.040	0.036
				6/28/2022	0.062	0.063	0.057
				7/5/2022	0.068	0.069	0.060
				7/12/2022	0.060	0.060	0.044
				7/19/2022	0.059	0.058	0.050
				7/26/2022	0.056	0.055	0.048
				8/2/2022	0.056	0.052	0.042
				8/9/2022	0.060	0.055	0.045
				8/16/2022	0.056	0.051	0.044
	Total Orthophosphate	0.03	mg/L	6/14/2022	0.18	0.17	0.13
				6/21/2022	0.081	0.077	0.061
				6/28/2022	0.11	0.12	0.093
				7/5/2022	0.14	0.13	0.11
				7/12/2022	0.12	0.11	0.077
				7/19/2022	0.12	0.11	0.089
				7/26/2022	0.099	0.099	0.076
				8/2/2022	0.11	0.098	0.078
				8/9/2022	0.093	0.085	0.057
				8/16/2022	0.079	0.071	0.043

Russian River Water Quality Grab Samples (June 14 - August 16, 2022)
Provisional Data Subject to Revision

Parameter		MDL*	Units	Date	Patterson Point	Monte Rio	Vacation Beach
Chlorophyll	Chlorophyll A	0.003	mg/L	6/14/2022	ND	ND	0.0051
				6/21/2022	ND	ND	0.0043
				6/28/2022	0.0048	ND	0.0045
				7/5/2022	ND	0.0043	0.0040
				7/12/2022	ND	ND	0.0040
				7/19/2022	0.0048	0.0045	ND
				7/26/2022	ND	ND	0.0043
				8/2/2022	0.0048	0.0045	0.0048
				8/9/2022	ND	ND	0.0067
				8/16/2022	0.0051	ND	0.0032
Carbon	Total Organic Carbon	0.3	mg/L	6/14/2022	2.48	2.34	2.31
				6/21/2022	2.12	2.24	2.14
				6/28/2022	2.07	2.07	2.15
				7/5/2022	2.09	2.05	2.22
				7/12/2022	2.79	2.62	2.77
				7/19/2022	2.56	2.50	2.56
				7/26/2022	2.52	2.41	2.44
				8/2/2022	2.58	2.73	2.66
				8/9/2022	2.43	2.39	2.33
				8/16/2022	2.24	2.29	2.19
	Dissolved Organic Carbon	0.2	mg/L	6/14/2022	2.06	1.91	1.88
				6/21/2022	1.94	1.93	2.17
				6/28/2022	1.73	1.77	1.83
				7/5/2022	1.70	1.75	1.72
				7/12/2022	1.99	1.92	1.98
				7/19/2022	2.24	1.98	2.07
				7/26/2022	1.99	2.03	2.01
				8/2/2022	2.11	2.25	2.06
				8/9/2022	2.02	1.96	1.97
				8/16/2022	1.91	1.87	2.04
Solids	Turbidity	0.1	NTU	6/14/2022	1.3	1.8	1.7
				6/21/2022	0.9	1.0	1.3
				6/28/2022	2.5	2.9	3.2
				7/5/2022	1.4	1.8	1.8
				7/12/2022	2.0	1.9	1.7
				7/19/2022	4.2	3.2	1.9
				7/26/2022	1.6	2.1	1.6
				8/2/2022	2.1	2.4	2.2
				8/9/2022	1.5	1.3	1.3
				8/16/2022	1.2	1.2	1.8
	TDS	10	mg/L	6/14/2022	170	160	160
				6/21/2022	150	180	160
				6/28/2022	170	200	180
				7/5/2022	160	160	160
				7/12/2022	150	150	140
				7/19/2022	150	160	150
				7/26/2022	160	150	150
				8/2/2022	180	170	150
				8/9/2022	160	160	150
				8/16/2022	140	140	140