



**State Water Resources Control Board
 Temporary Urgency Change Order (12/11/2021)
 Russian River Hydrologic Report
 June 3, 2022 - June 9, 2022**

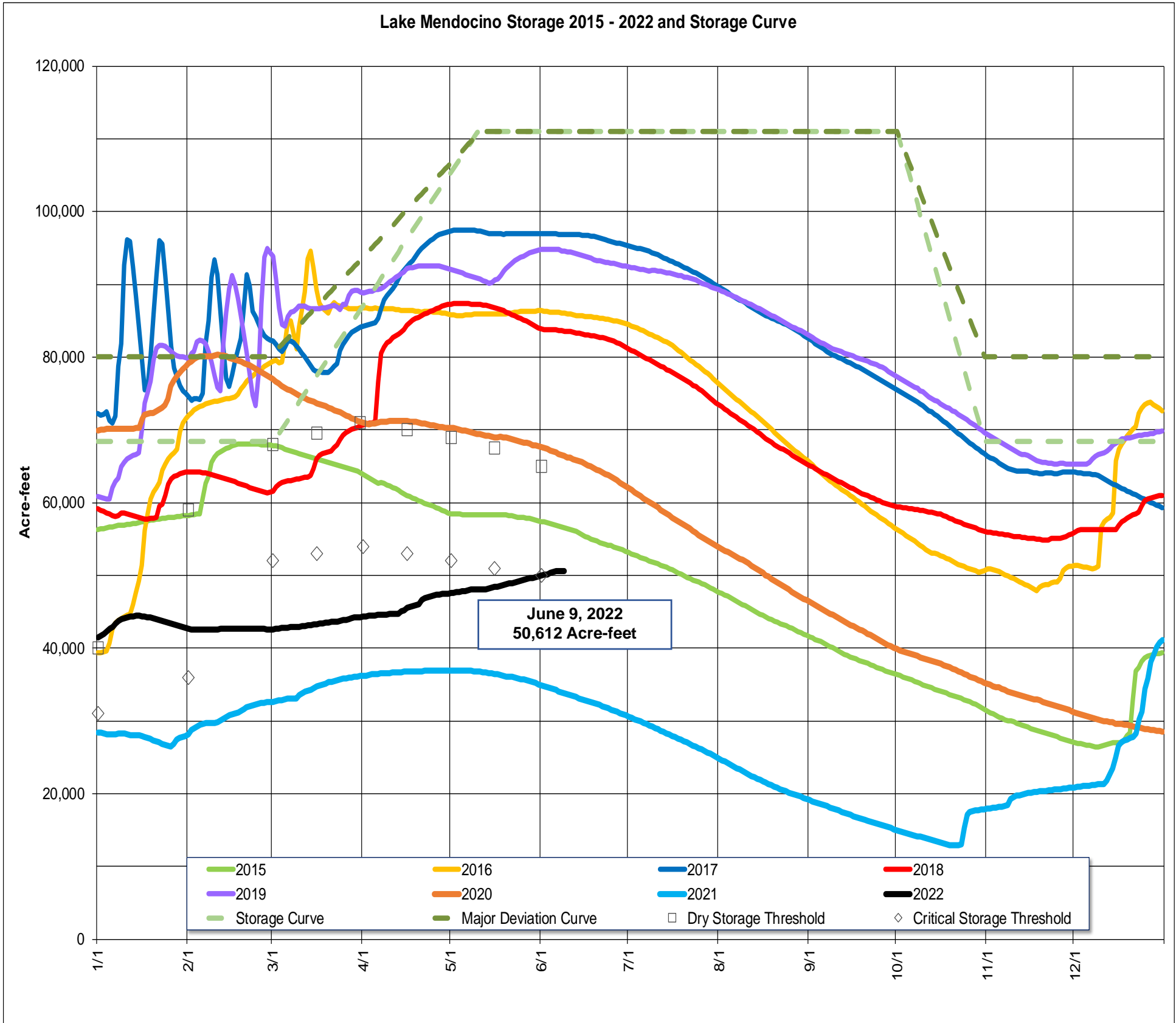
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of June 9, 2022

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
D-1610: Normal - Dry Spring 2 Condition	Upper Russian River	75	-
D-1610: Normal - Dry Spring 2 Condition	Dry Creek	80	-
D-1610: Normal - Dry Spring 2 Condition	Lower Russian River	125	-

Lake Mendocino

Lake Mendocino Storage 2015 - 2022 and Storage Curve



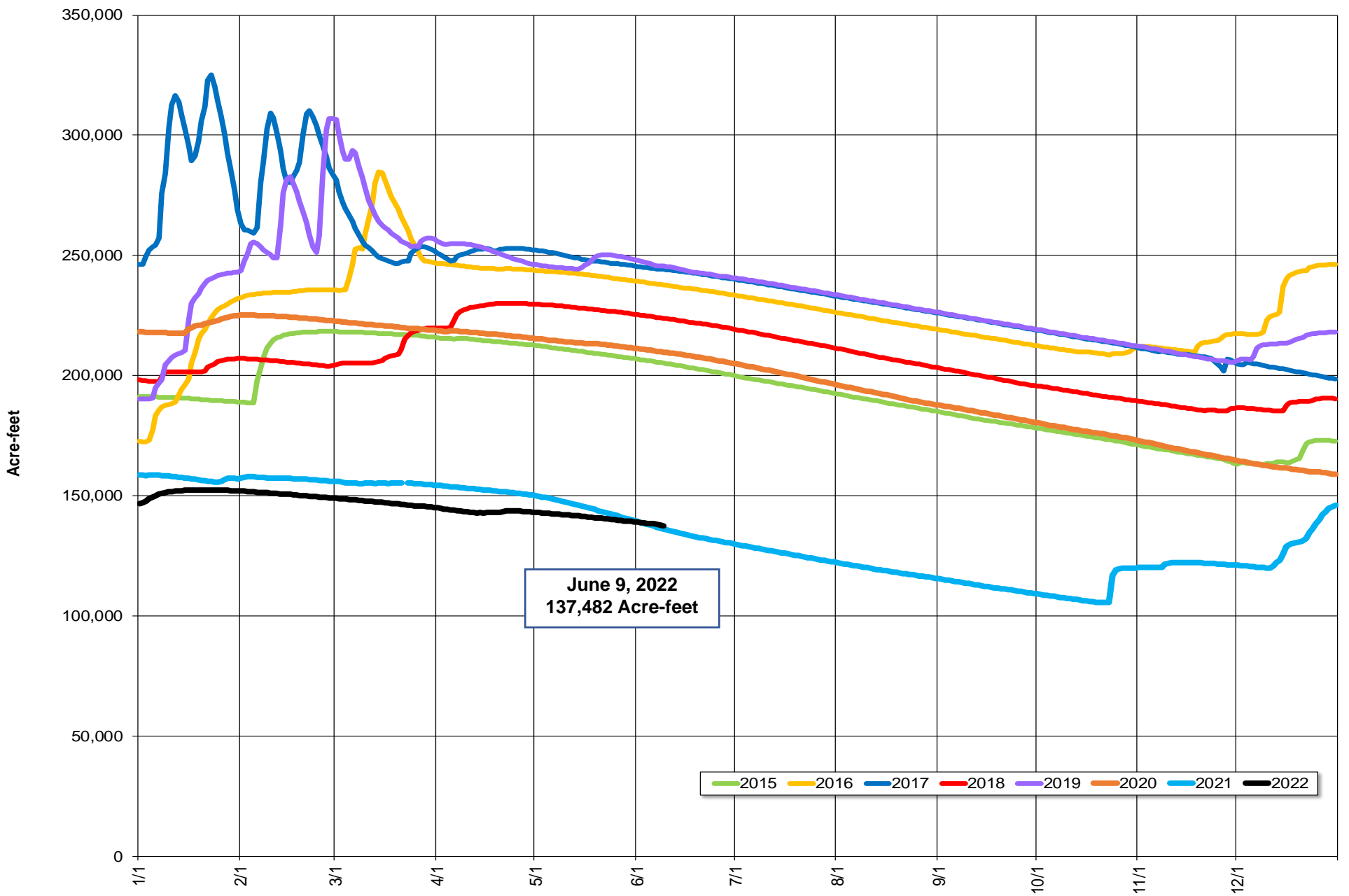
Storage (acre-feet)	June 9, 2022	50,612	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	2,530	84
	Last 7 days	467	67
Daily Inflow (cfs)	Last 7 days	Min	95
		Max	168
		Mean	116
Release (cfs)	Last 7 days	Min	48
		Max	99
		Mean	65

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2022



Storage (acre-feet)	June 9, 2022	137,482	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-4,613	-154
	Last 7 days	-1,184	-169
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	38
		Mean	10
Release (cfs)	Last 7 days	Min	66
		Max	162
		Mean	95

Potter Valley Project

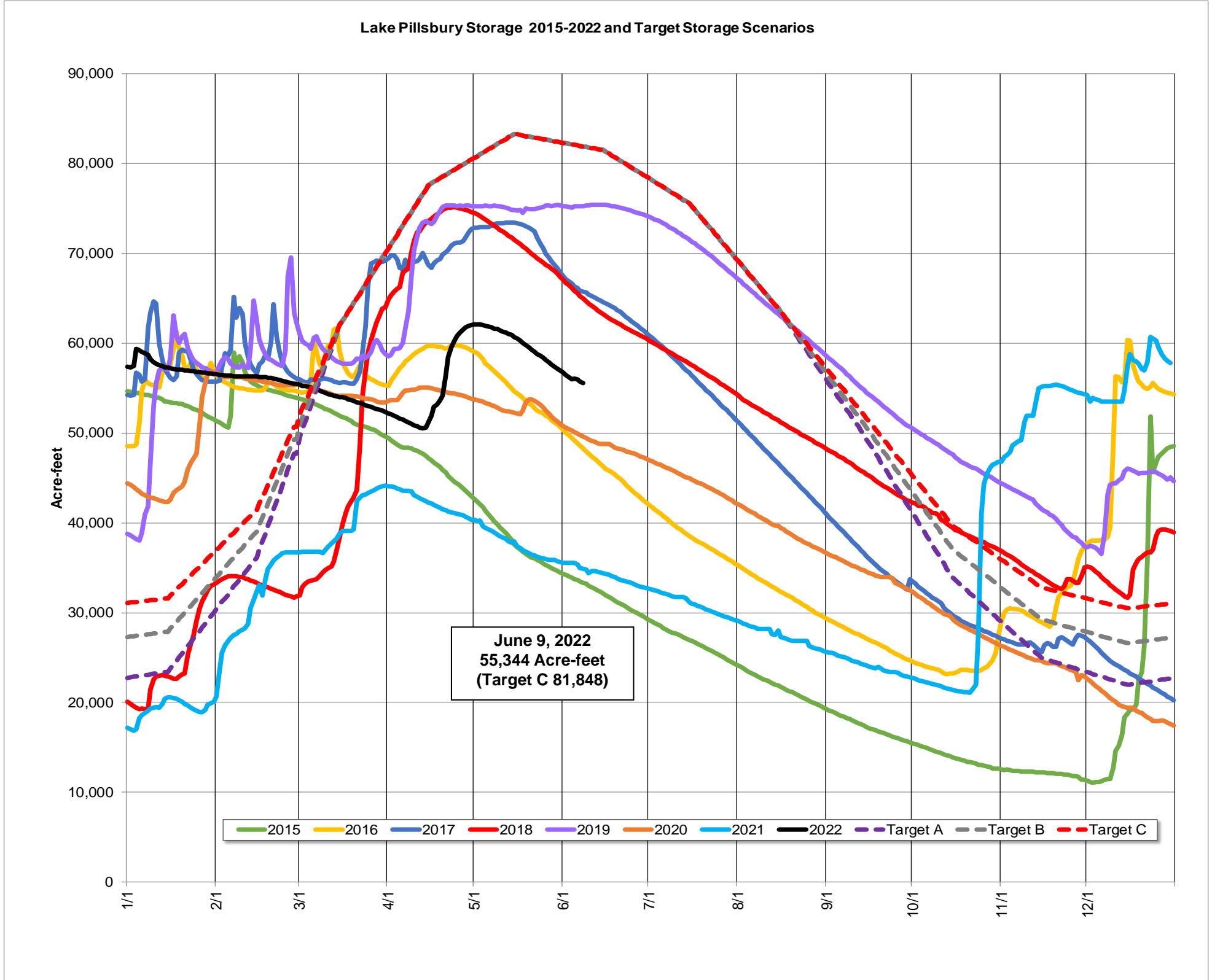
PVP Diversion (cfs)	June 9, 2022	90
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - June 9, 2022	230,135	917
	Last 7 days	1,446	207

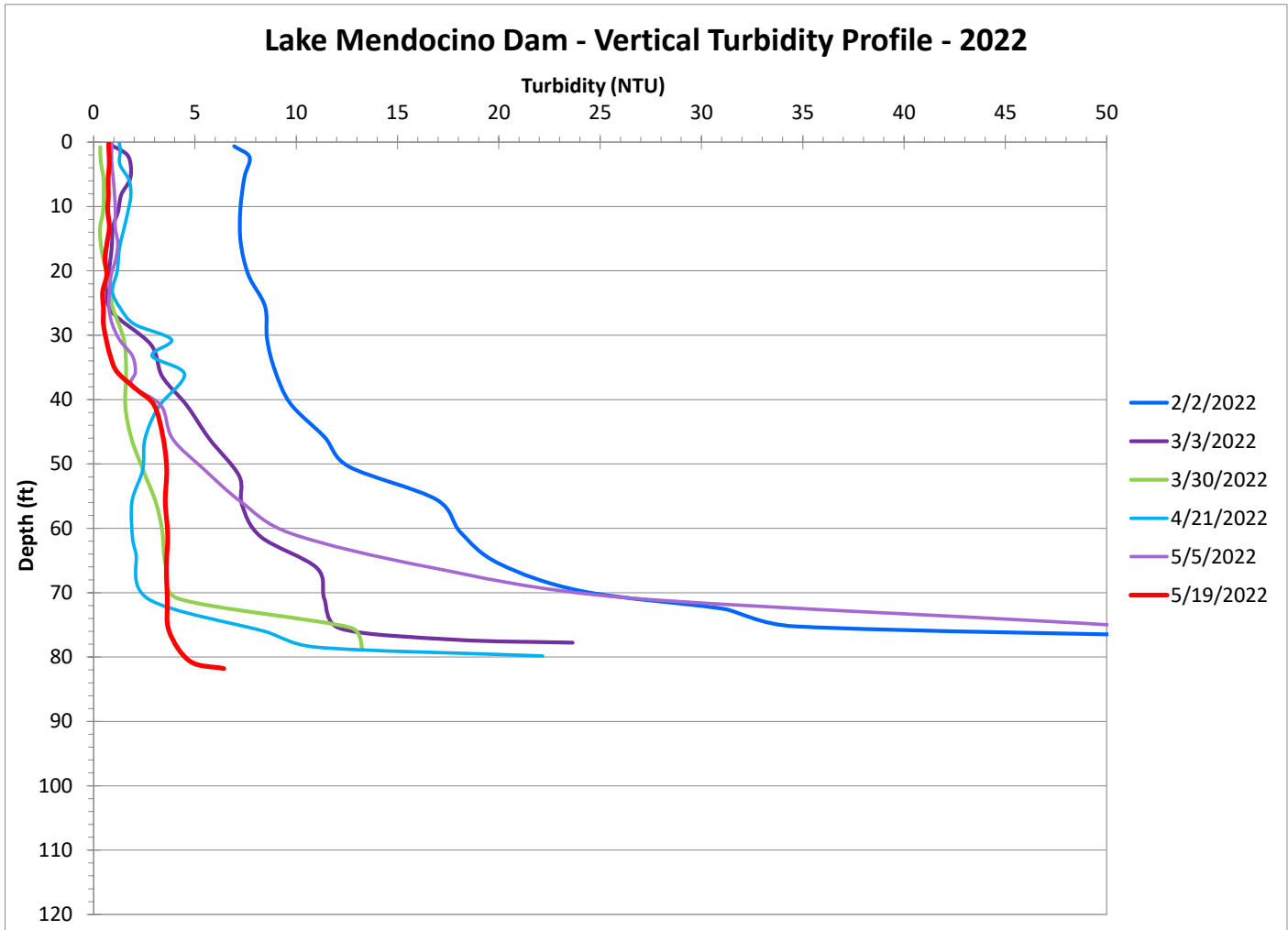
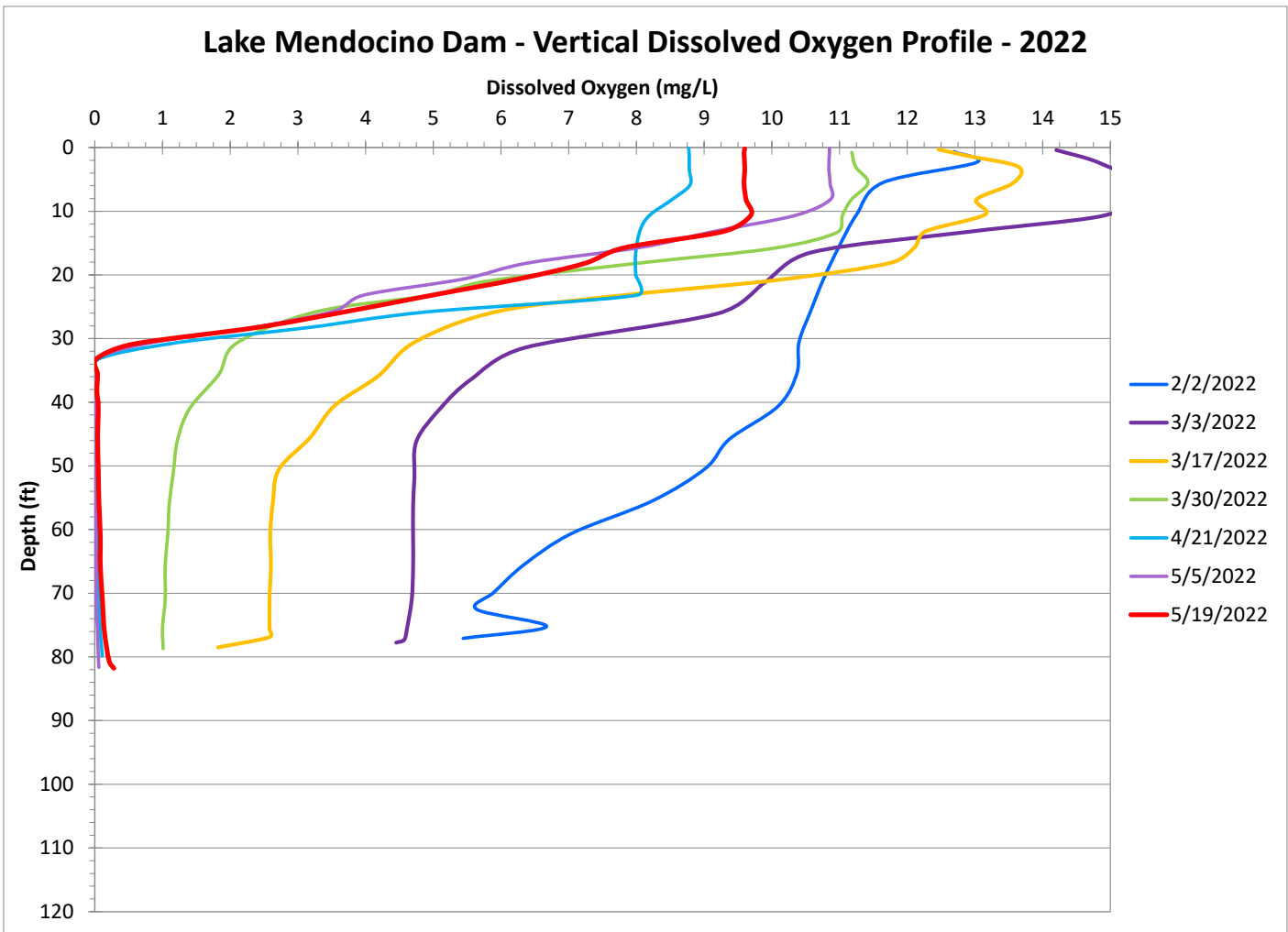
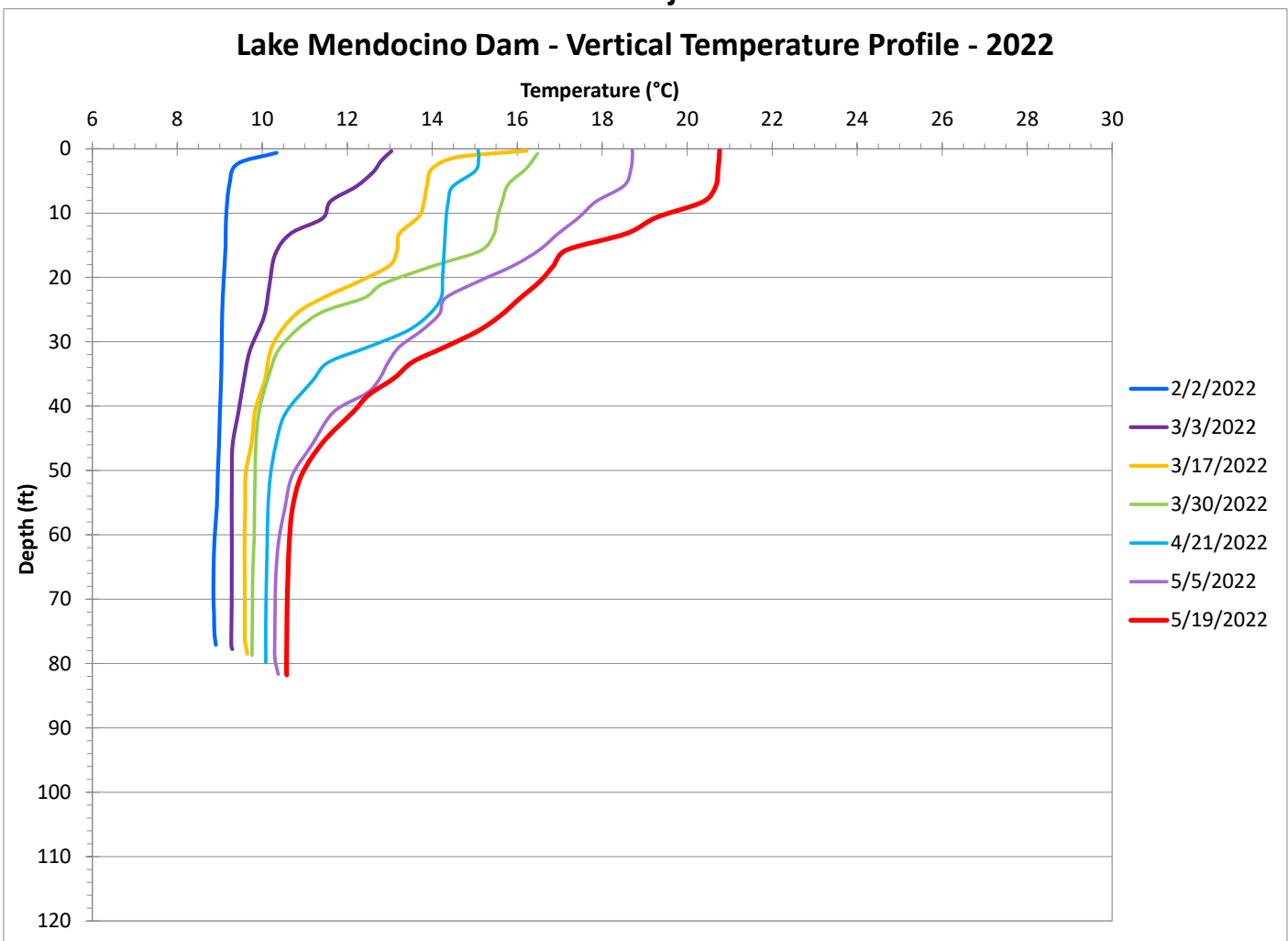
*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2015-2022 and Target Storage Scenarios



Lake Mendocino Water Quality Vertical Profiles (February 2 – May 19, 2022)

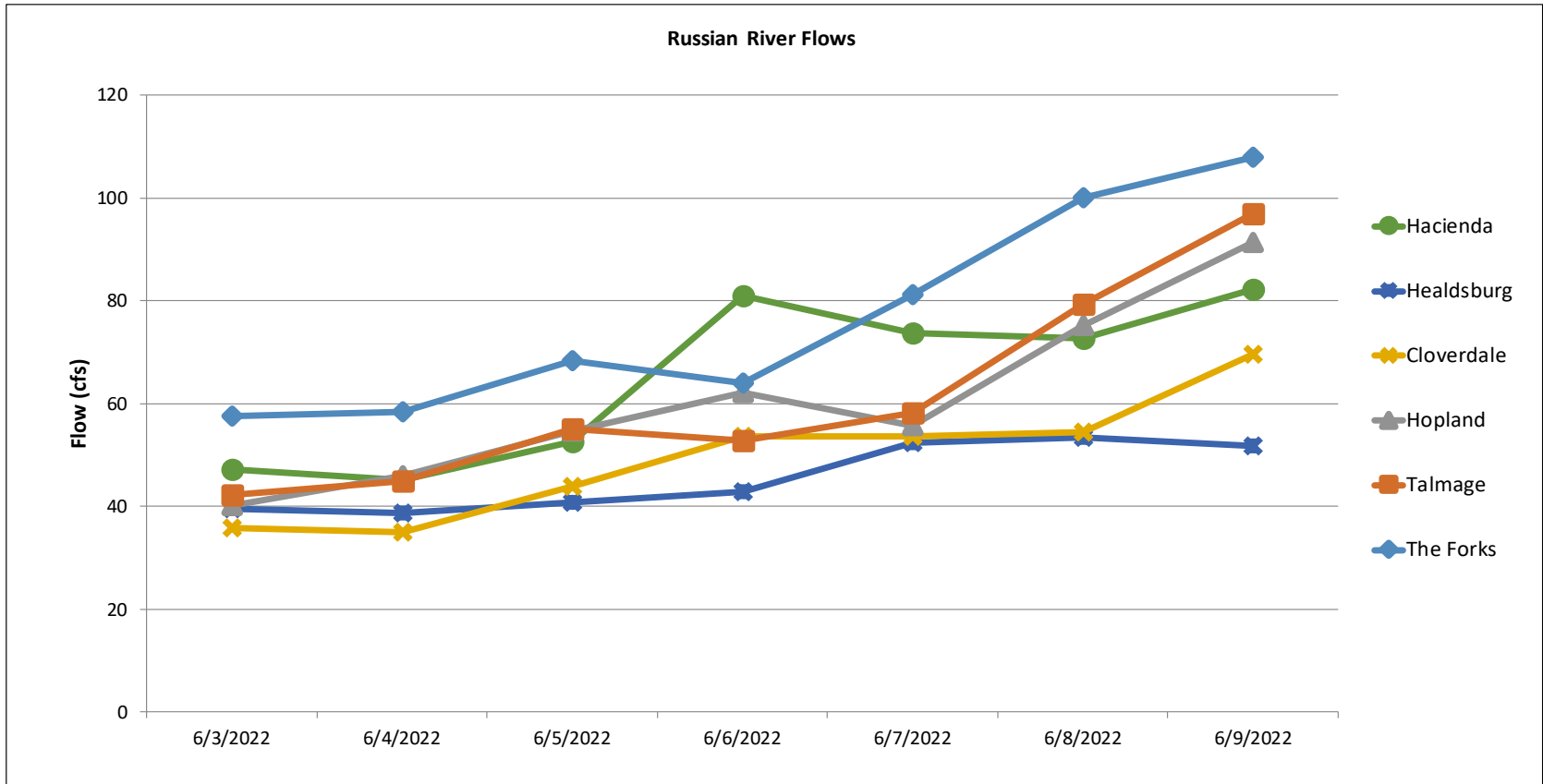
Provisional Data Subject to Revision



Russian River Flows (June 3, 2022 - June 9, 2022)

Gage	24-hr Average Flow (cfs)						
	Jun 3, 2022	Jun 4, 2022	Jun 5, 2022	Jun 6, 2022	Jun 7, 2022	Jun 8, 2022	Jun 9, 2022
The Forks*	58	58	68	64	81	100	108
Talmage USGS 11462080	42	45	55	53	58	79	97
Hopland USGS 11462500	40	46	55	62	56	75	91
Cloverdale USGS 11463000	36	35	44	54	54	54	70
Healdsburg USGS 11464000	40	39	41	43	52	54	52
Hacienda USGS 11467000	47	45	53	81	74	73	82

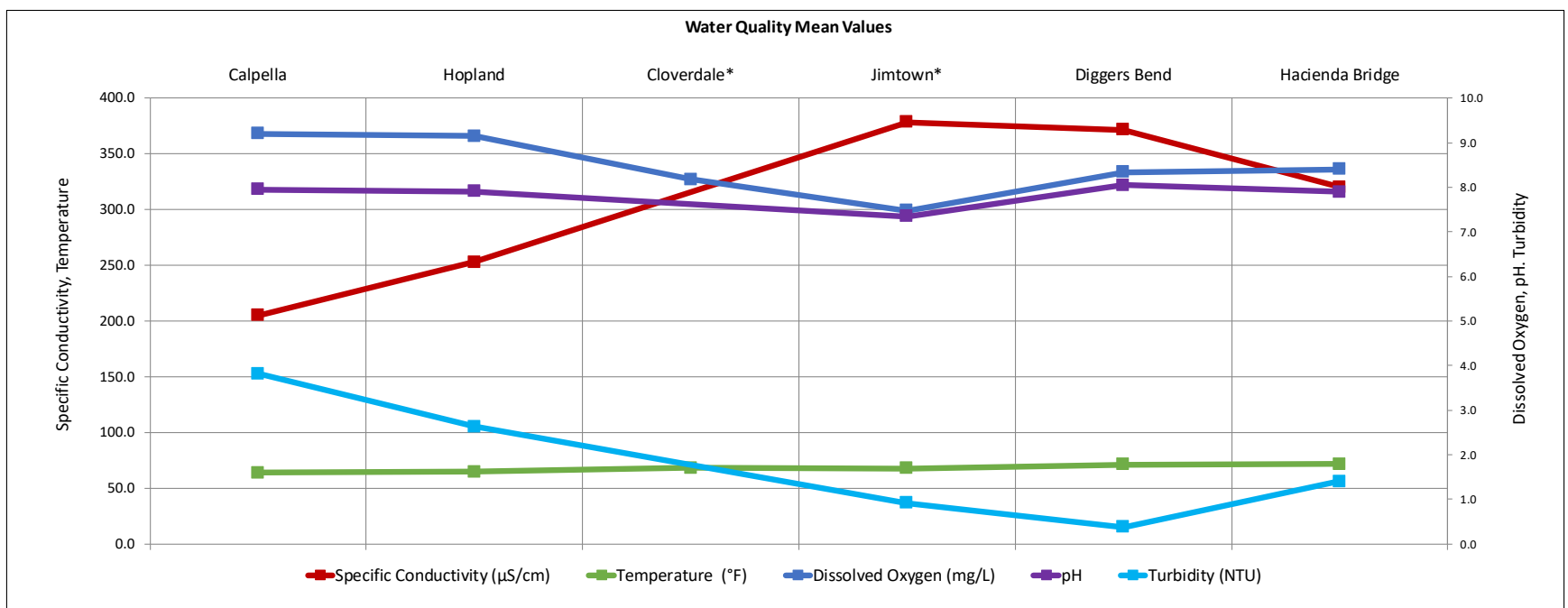
*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



Russian River Water Quality (June 3, 2022 - June 9, 2022)

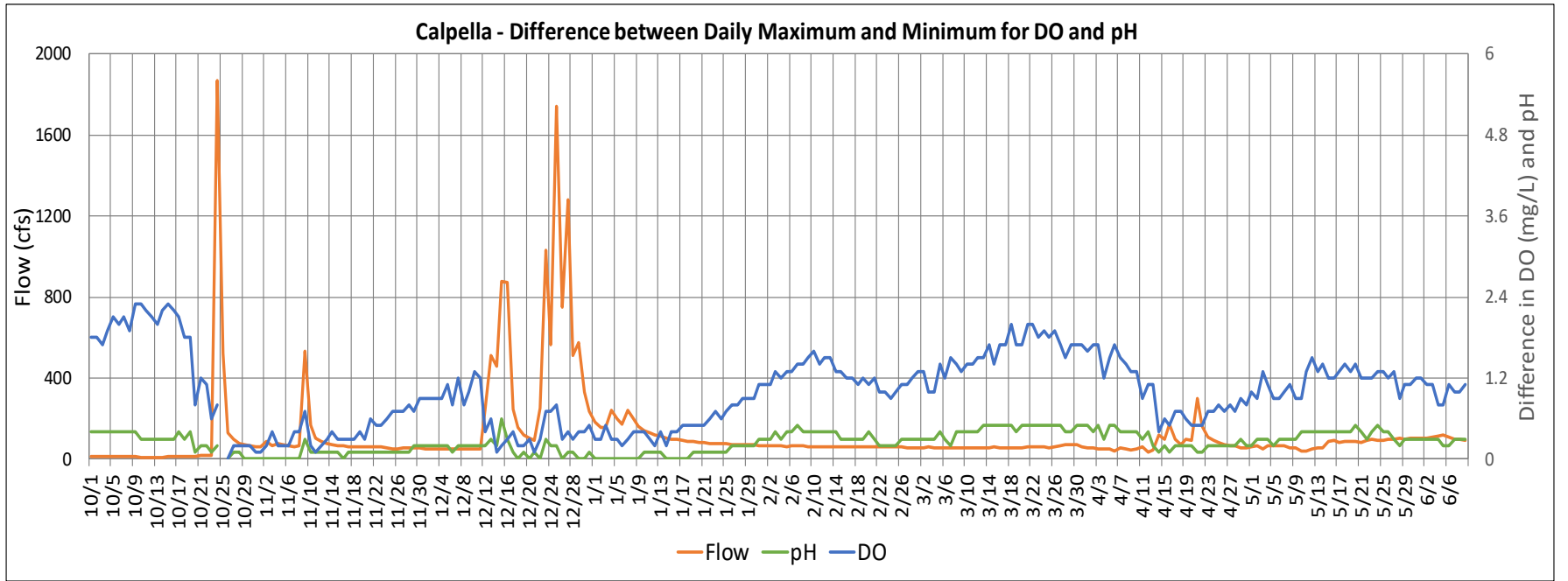
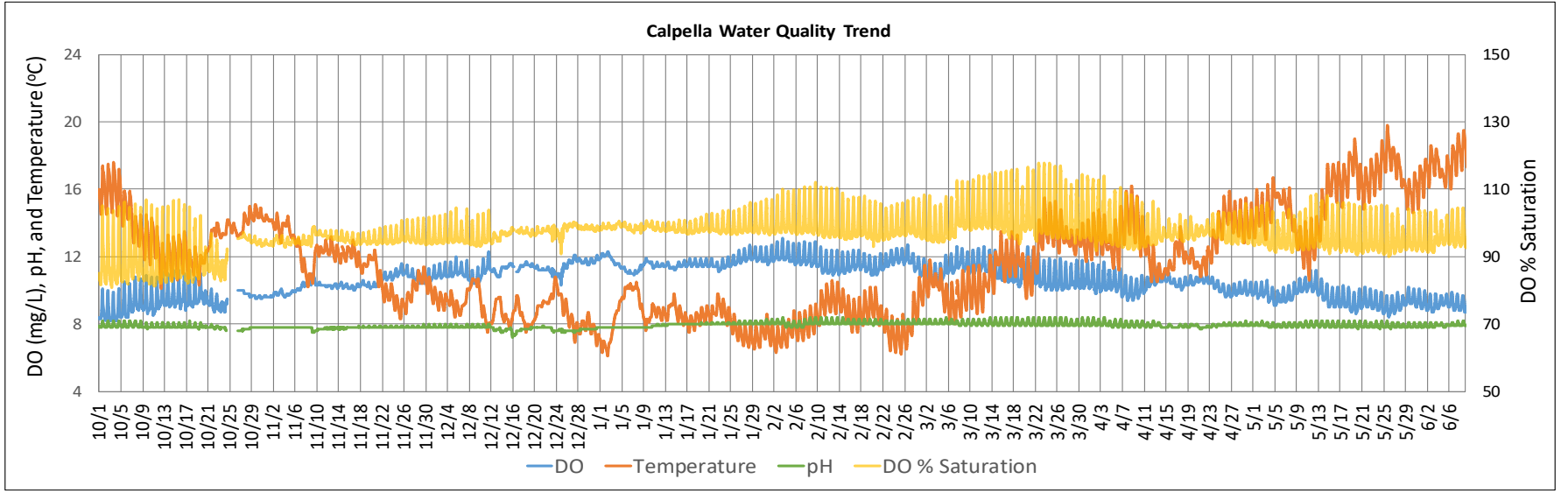
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	60.8	60.8	64.6	64.0	66.2		68.0	
	Max	67.1	68.4	72.5	73.2	77.4		76.3	
	Mean	63.9	64.5	68.1	67.9	71.4		71.8	
Specific Conductivity (µS/cm)	Min	198.0	230.0		373.0	366.0		295.0	
	Max	208.0	265.0		386.0	377.0		377.0	
	Mean	204.8	252.9		378.7	371.7		320.2	
Dissolved Oxygen (mg/L)	Min	8.6	7.2	6.3	5.1	6.4		7.6	
	Max	9.9	11.5	10.9	10.5	10.8		9.3	
	Mean	9.2	9.2	8.2	7.5	8.3		8.4	
Dissolved Oxygen (% Saturation)	Min	91.1	74.4	67.7	53.6	70.6		85.2	
	Max	104.7	126.0	123.7	120.1	130.0		111.7	
	Mean	96.6	97.0	90.3	82.5	95.6		96.4	
pH	Min	7.8	7.5		7.1	7.7		7.8	
	Max	8.2	8.5		7.6	8.4		8.1	
	Mean	8.0	7.9		7.3	8.0		7.9	
Turbidity (NTU)	Min	2.5	1.2		0.4	0.0		0.9	
	Max	6.6	5.6		1.9	1.5		2.2	
	Mean	3.8	2.6		0.9	0.4		1.4	

*Station operated seasonally



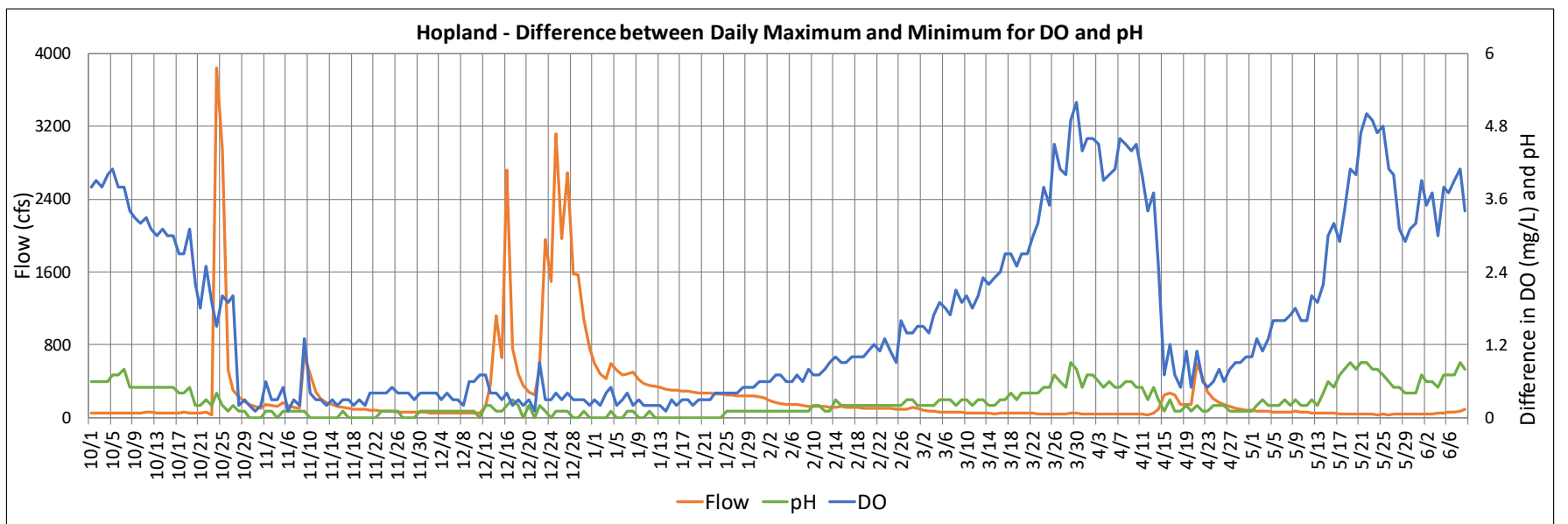
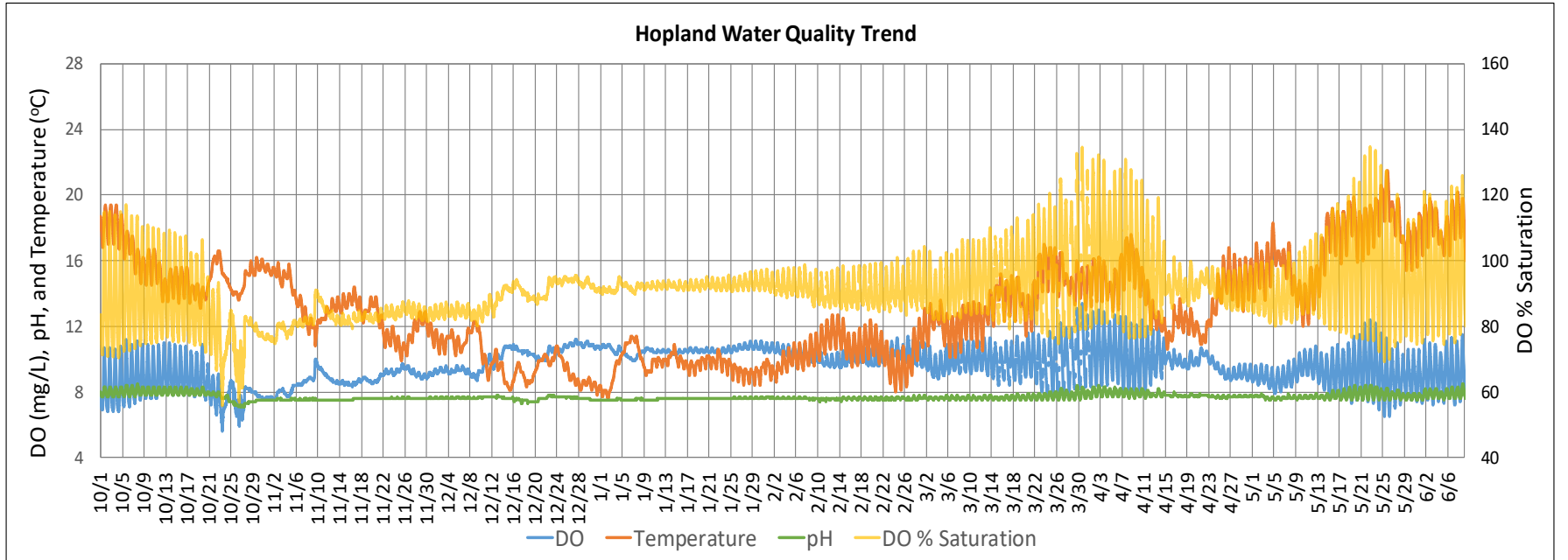
Russian River Water Quality (October 1, 2021 - June 9, 2022)

Calpella (East Fork Russian River)



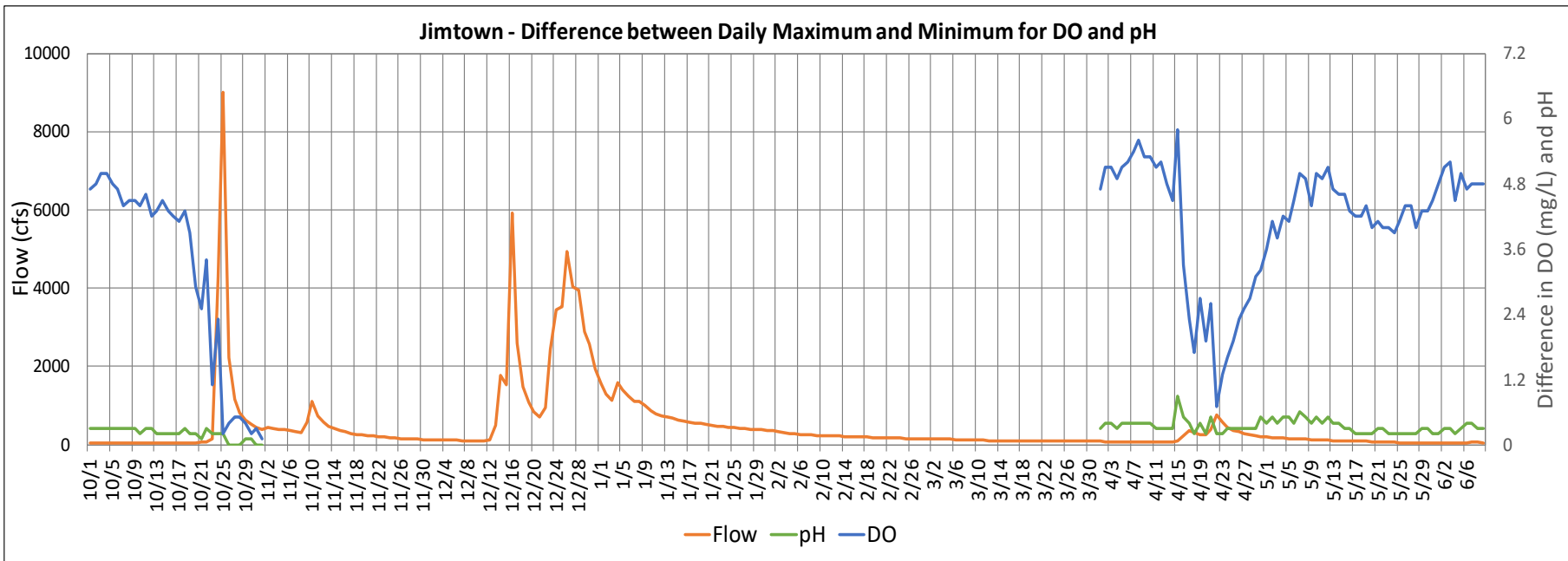
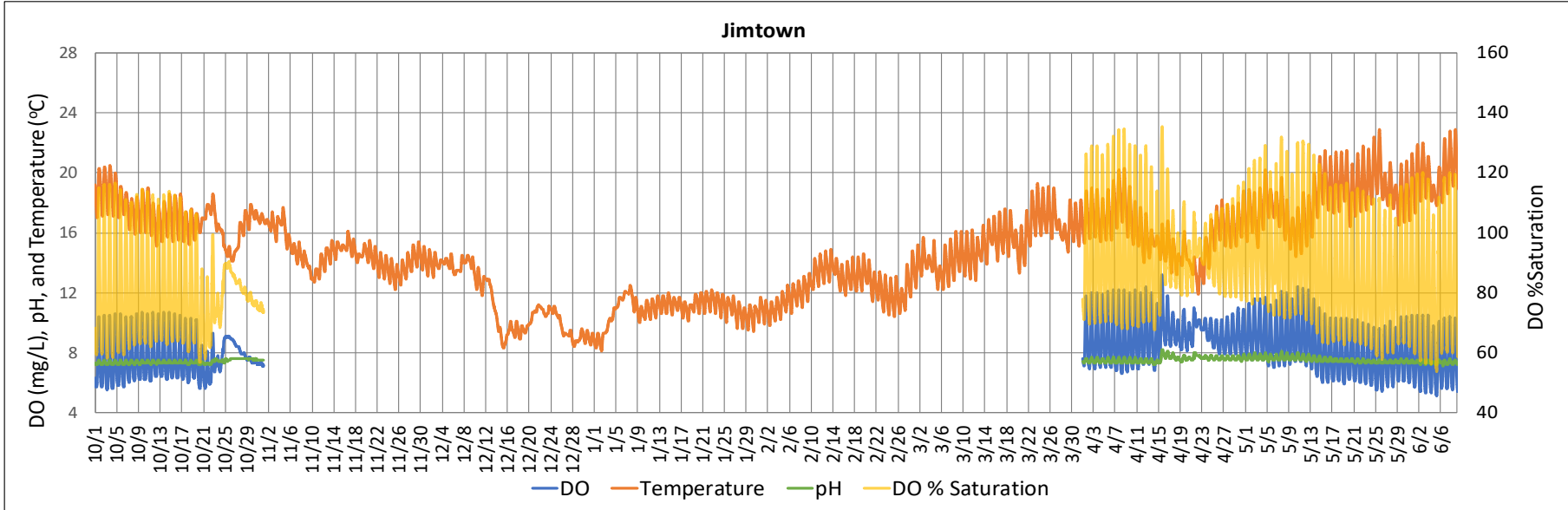
Russian River Water Quality (October 1, 2021 - June 9, 2022)

Hopland



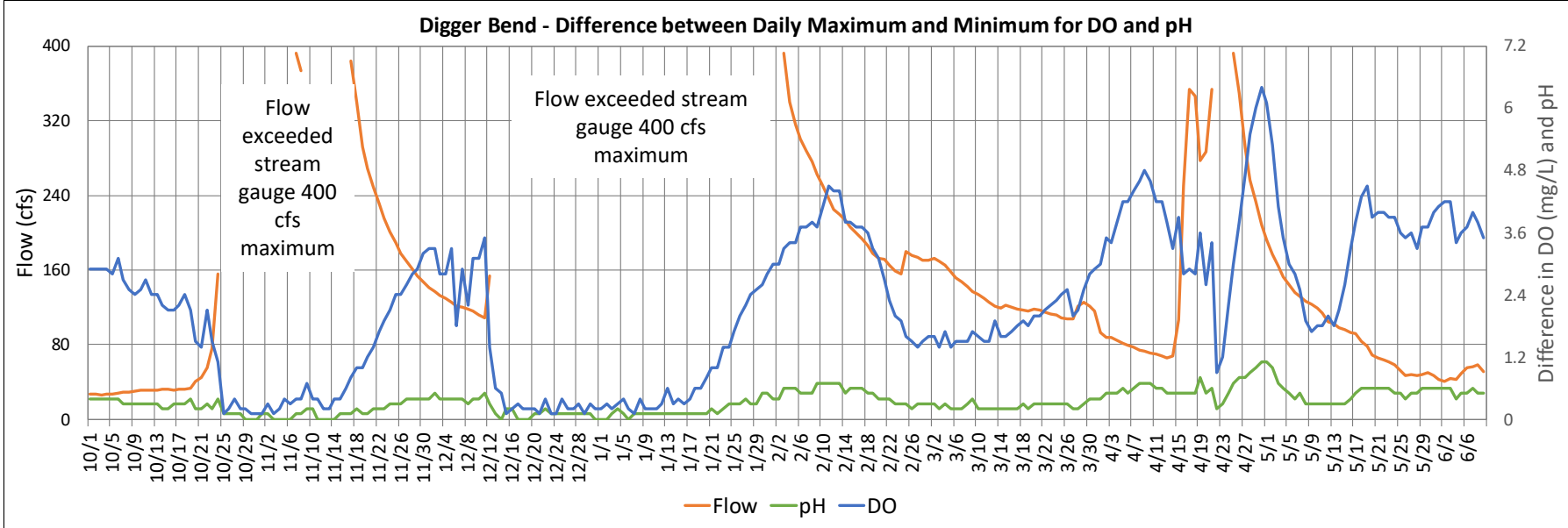
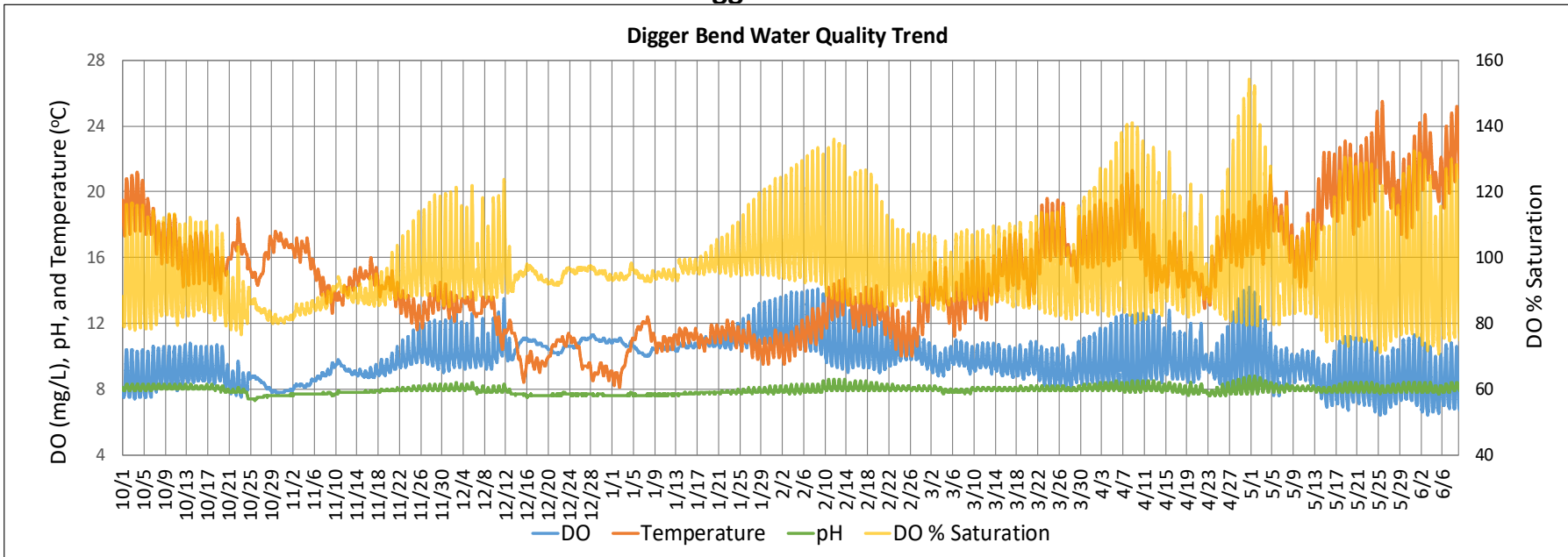
Russian River Water Quality (October 1, 2021 - June 9, 2022)

Jimtown



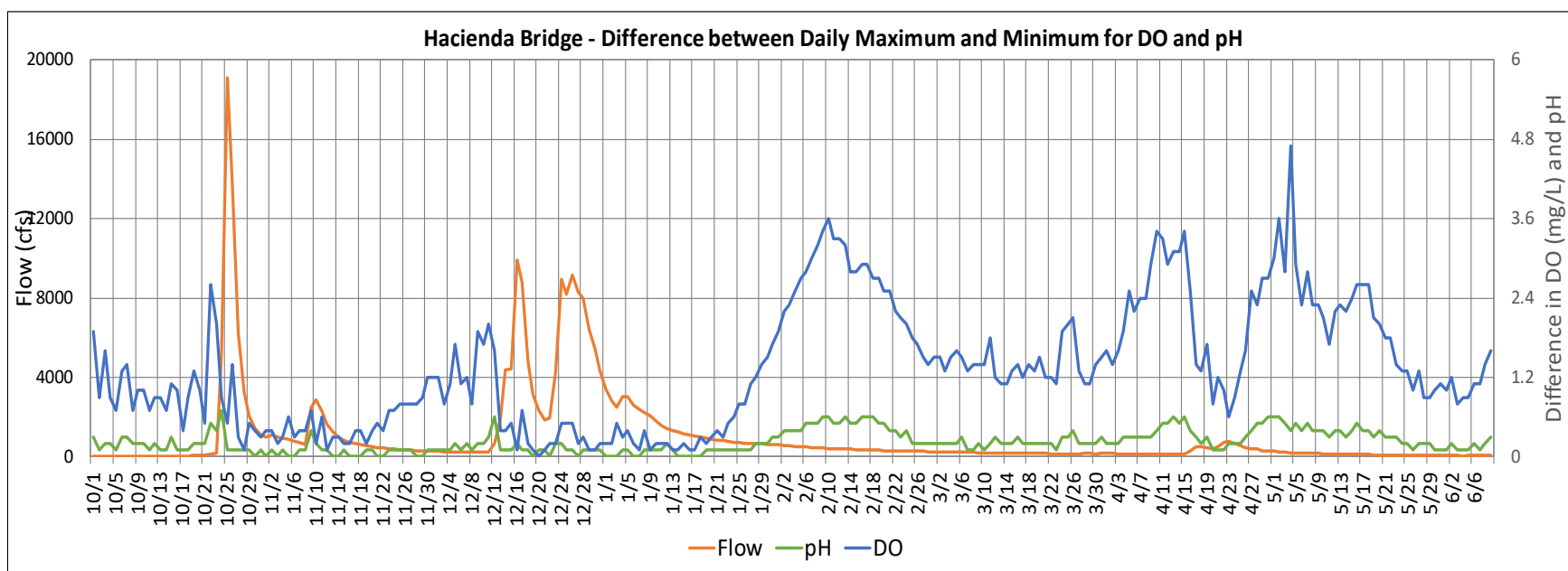
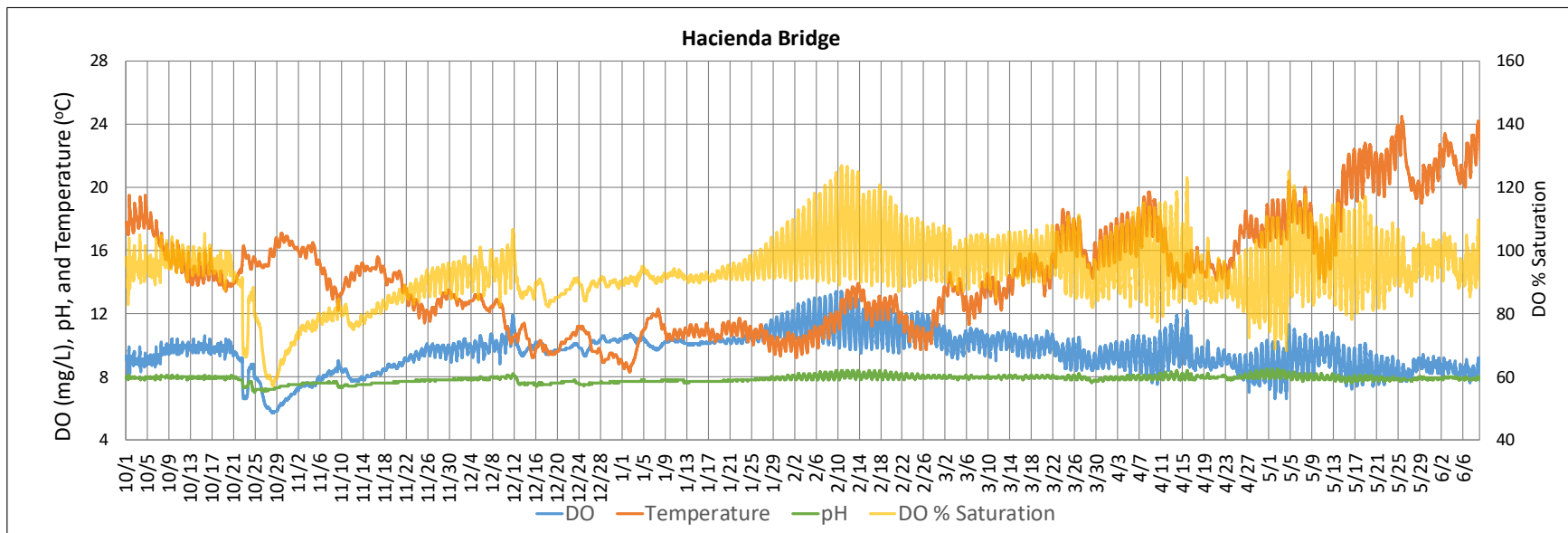
Russian River Water Quality (October 1, 2021 - June 9, 2022)

Digger Bend



Russian River Water Quality (October 1, 2021 - June 9, 2022)

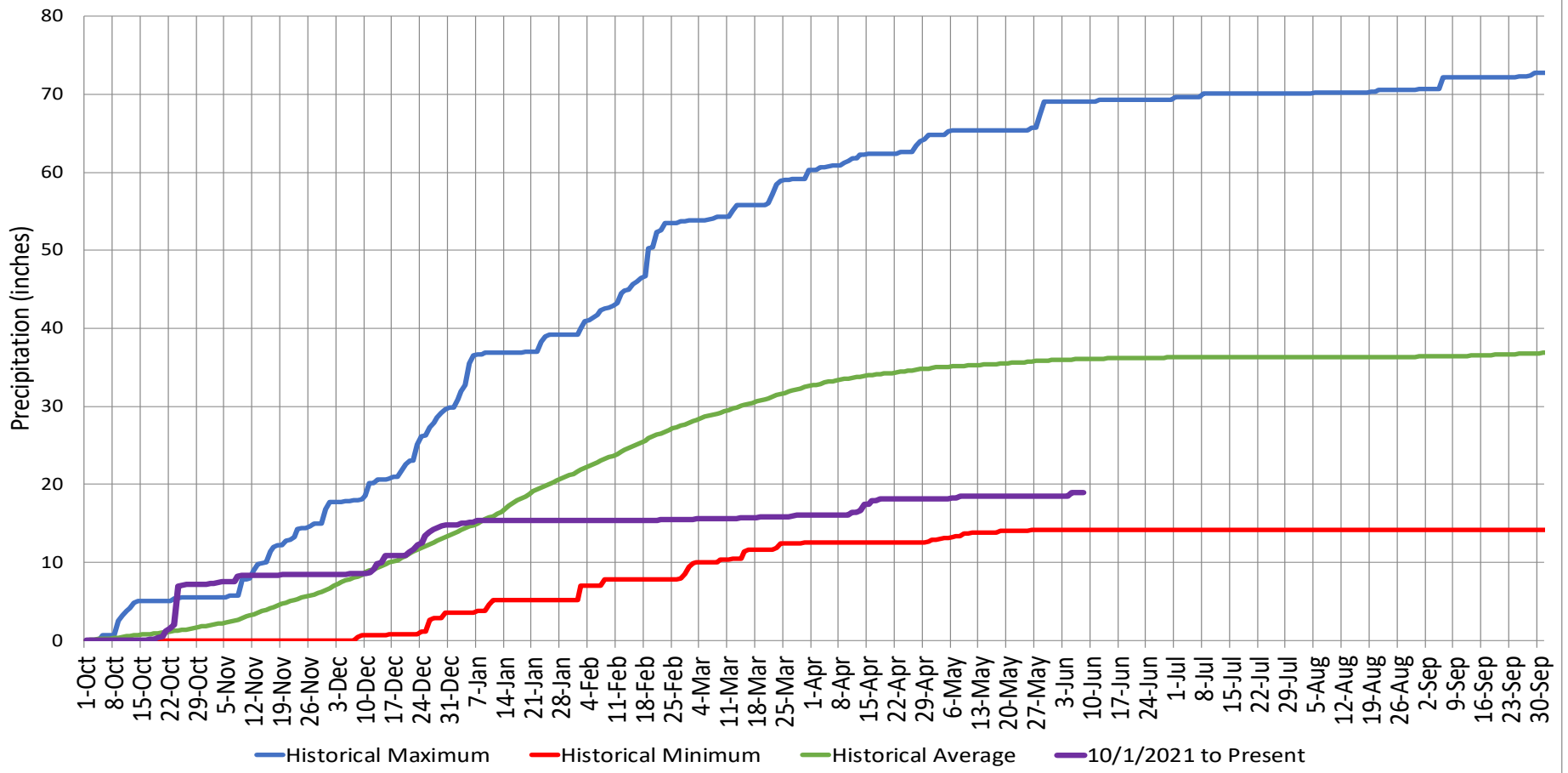
Hacienda Bridge



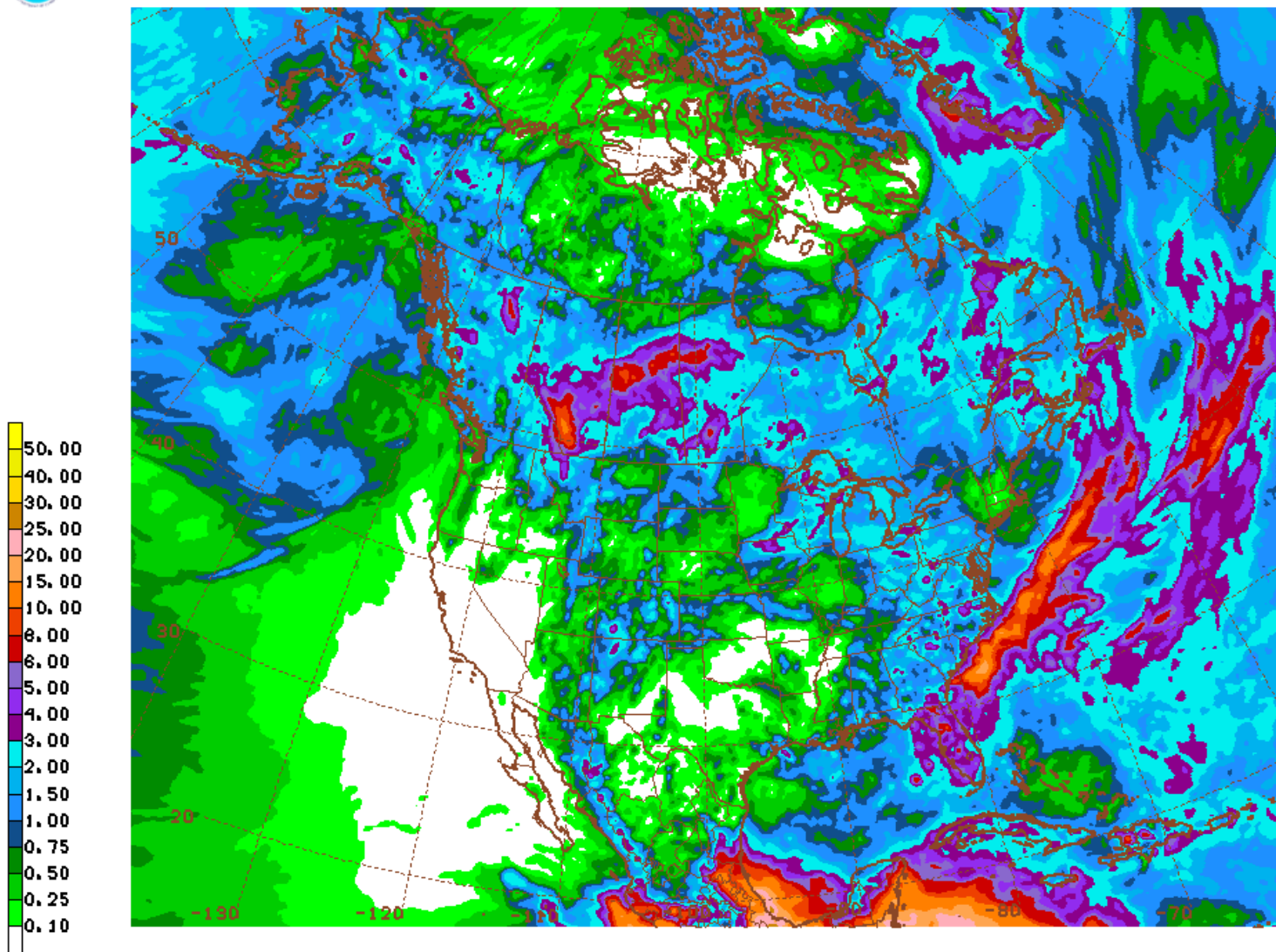
Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Jun 9, 2022	19
Last 7 Days*	0.46

Cumulative Precipitation Comparison of Current Year versus Historic Record



GFS 06/13/22 12UTC 384HR FCST VALID WED 06/29/22 12UTC NOAA/NWS/NCEP



GFS WED 220629/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range
Jun 13 - Jun 29, 2022

Forecasted Cumulative (inches)
0.00