



**Sonoma Water**

**State Water Resources Control Board  
 Temporary Urgency Change Order (12/11/2021)  
 Russian River Hydrologic Report  
 February 4, 2022 - February 10, 2022**

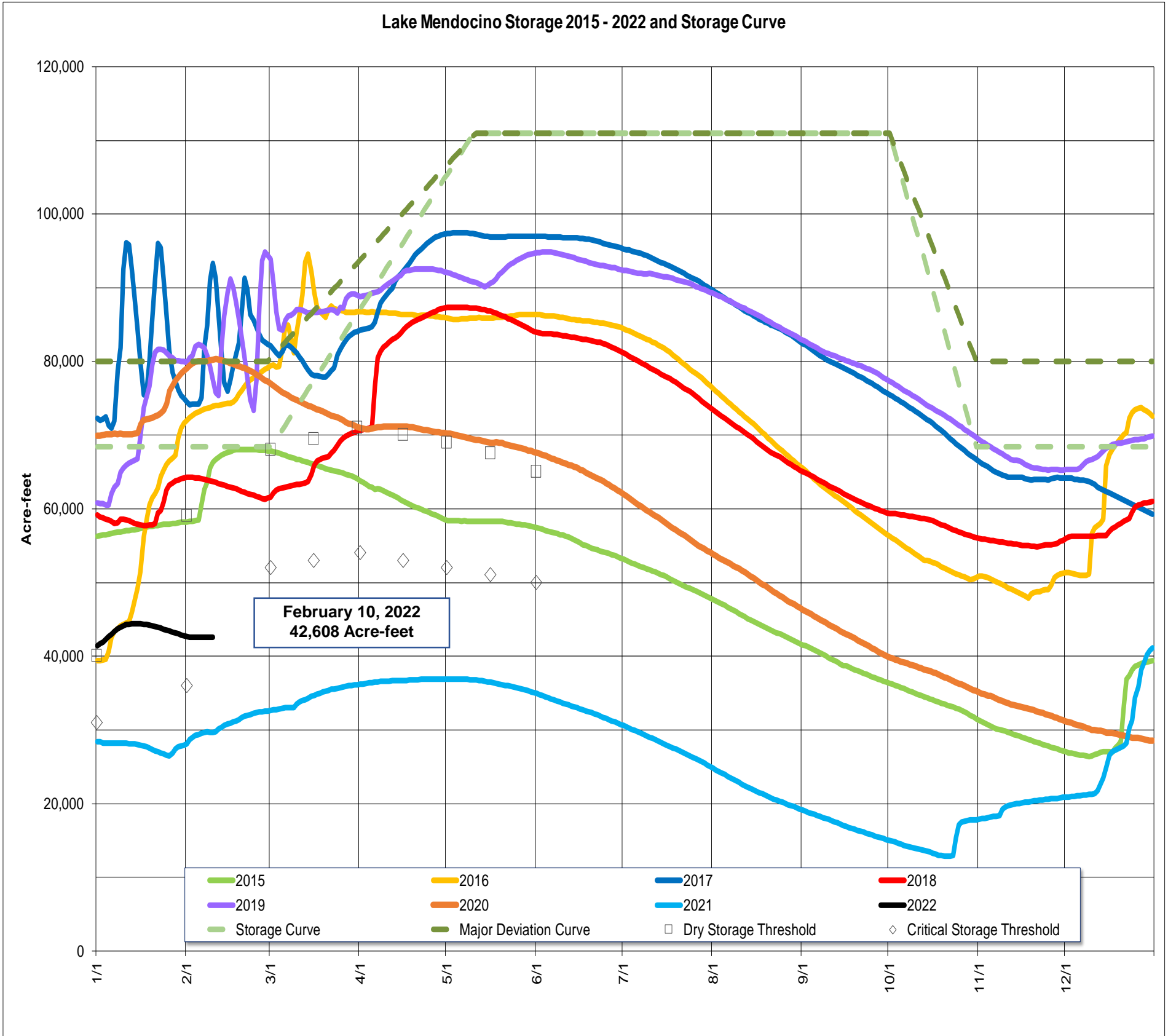
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

**Instream Flow Requirements as of February 10, 2022**

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Dry Condition	Upper Russian River	<b>75</b>	-
Modified Per Order: Dry Condition	Dry Creek	<b>75</b>	-
Modified Per Order: Dry Condition	Lower Russian River	<b>85</b>	-

Upper Russian River, Dry Creek, Lower Russian River based on criteria as established in the Order issued 12/11/2021.

**Lake Mendocino**

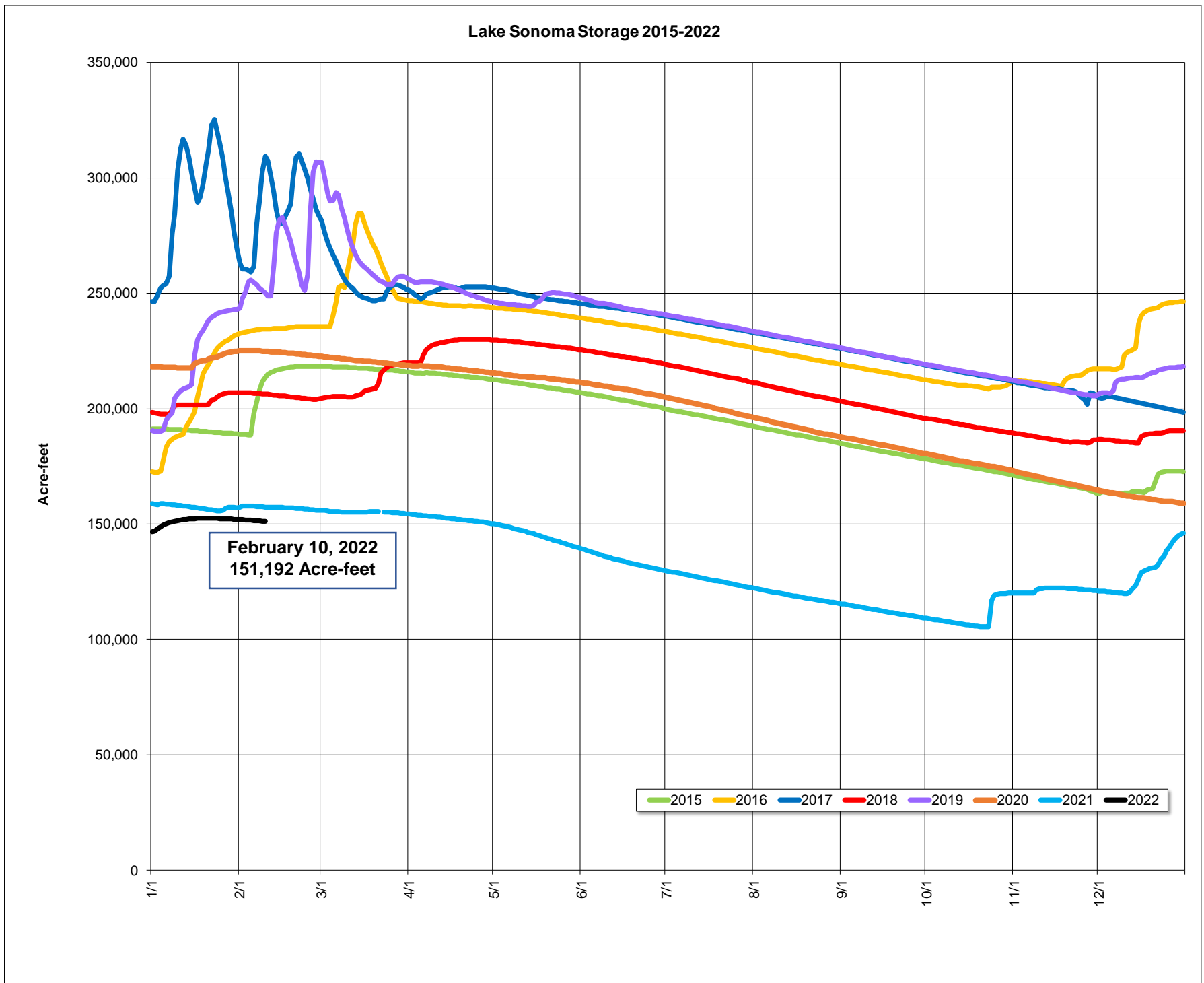


Storage (acre-feet)	February 10, 2022	42,608	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-1,666</b>	<b>-56</b>
	Last 7 days	<b>28</b>	<b>4</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>57</b>
		Max	<b>77</b>
		Mean	<b>67</b>
Release (cfs)	Last 7 days	Min	<b>54</b>
		Max	<b>67</b>
		Mean	<b>63</b>

# Lake Sonoma



Nathan Baskett, March 3 , 2011



Storage (acre-feet)	February 10, 2022	151,192	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-573	-19
	Last 7 days	-497	-71
Daily Inflow (cfs)	Last 7 days	Min	23
		Max	51
		Mean	37
Release (cfs)	Last 7 days	Min	77
		Max	78
		Mean	77

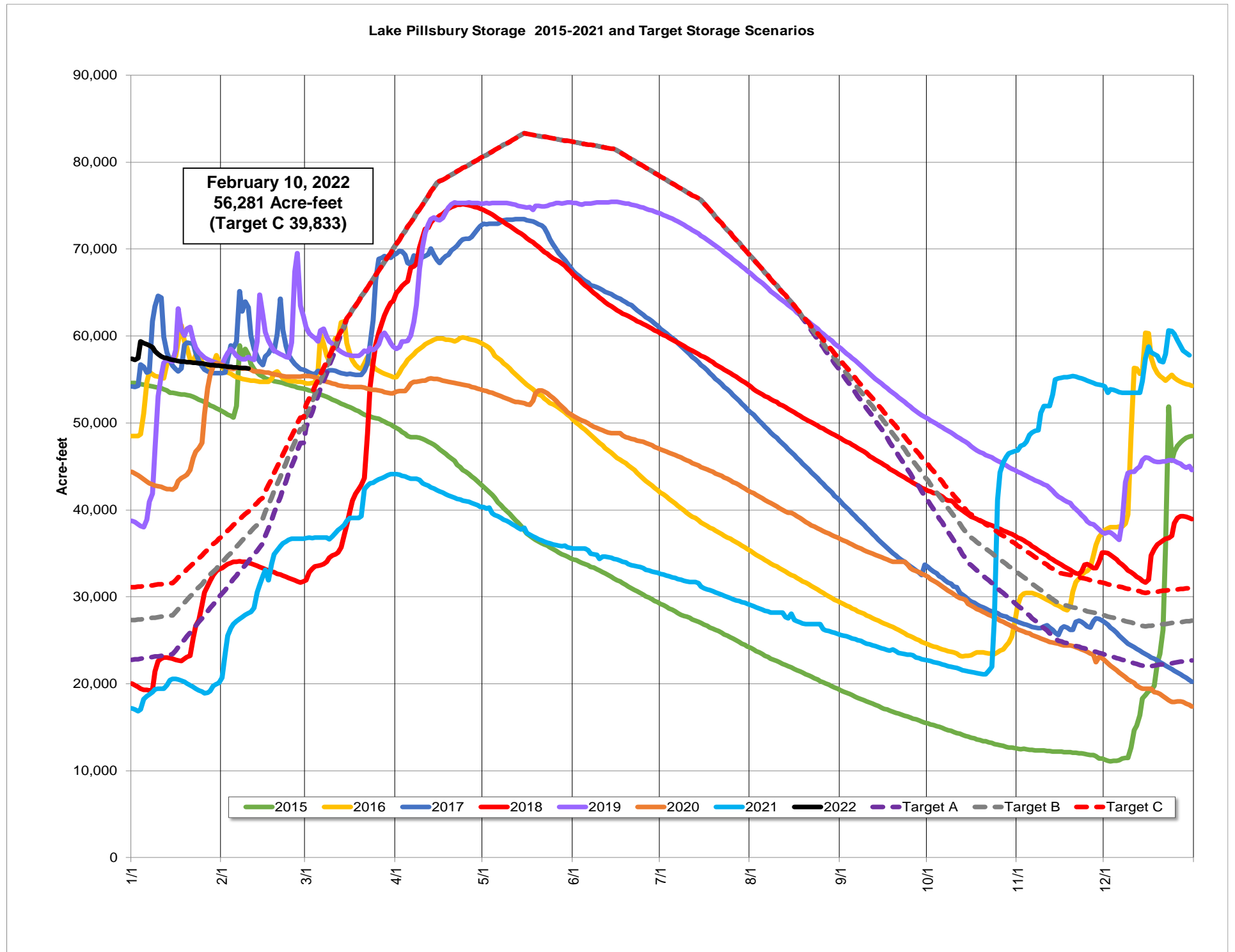
# Potter Valley Project

PVP Diversion (cfs)	February 10, 2022	46
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - February 10, 2022	175,891	1333
	Last 7 days	2,337	334

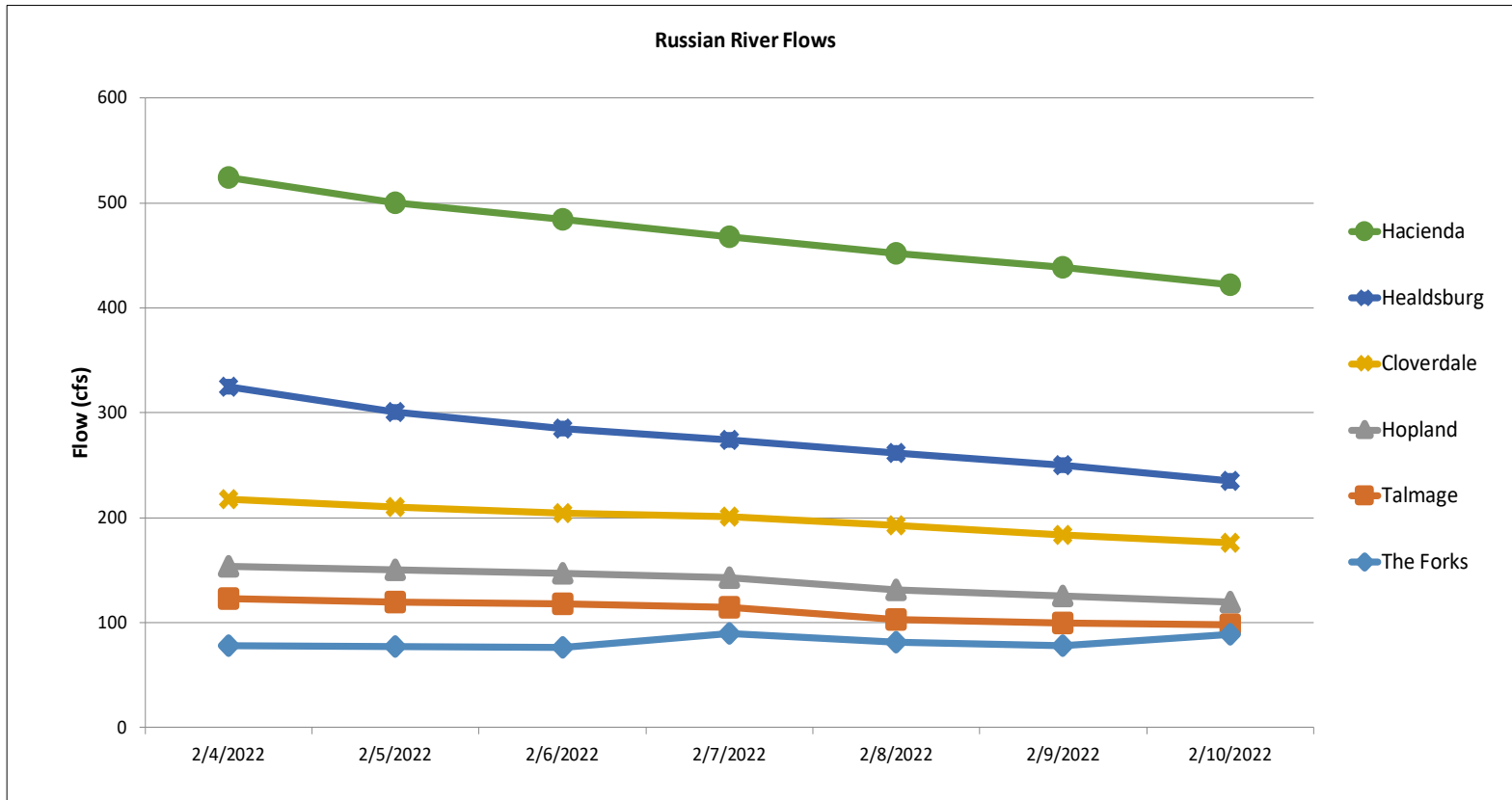
\*Inflow calculation based on criteria established in D1610



### Russian River Flows (February 4, 2022 - February 10, 2022)

Gage	24-hr Average Flow (cfs)						
	Feb 4, 2022	Feb 5, 2022	Feb 6, 2022	Feb 7, 2022	Feb 8, 2022	Feb 9, 2022	Feb 10, 2022
The Forks*	78	77	77	90	81	78	89
Talmage USGS 11462080	123	120	118	115	103	100	98
Hopland USGS 11462500	154	150	147	143	131	125	120
Cloverdale USGS 11463000	217	210	205	201	192	184	176
Healdsburg USGS 11464000	325	301	285	274	262	250	235
Hacienda USGS 11467000	524	500	484	468	452	439	422

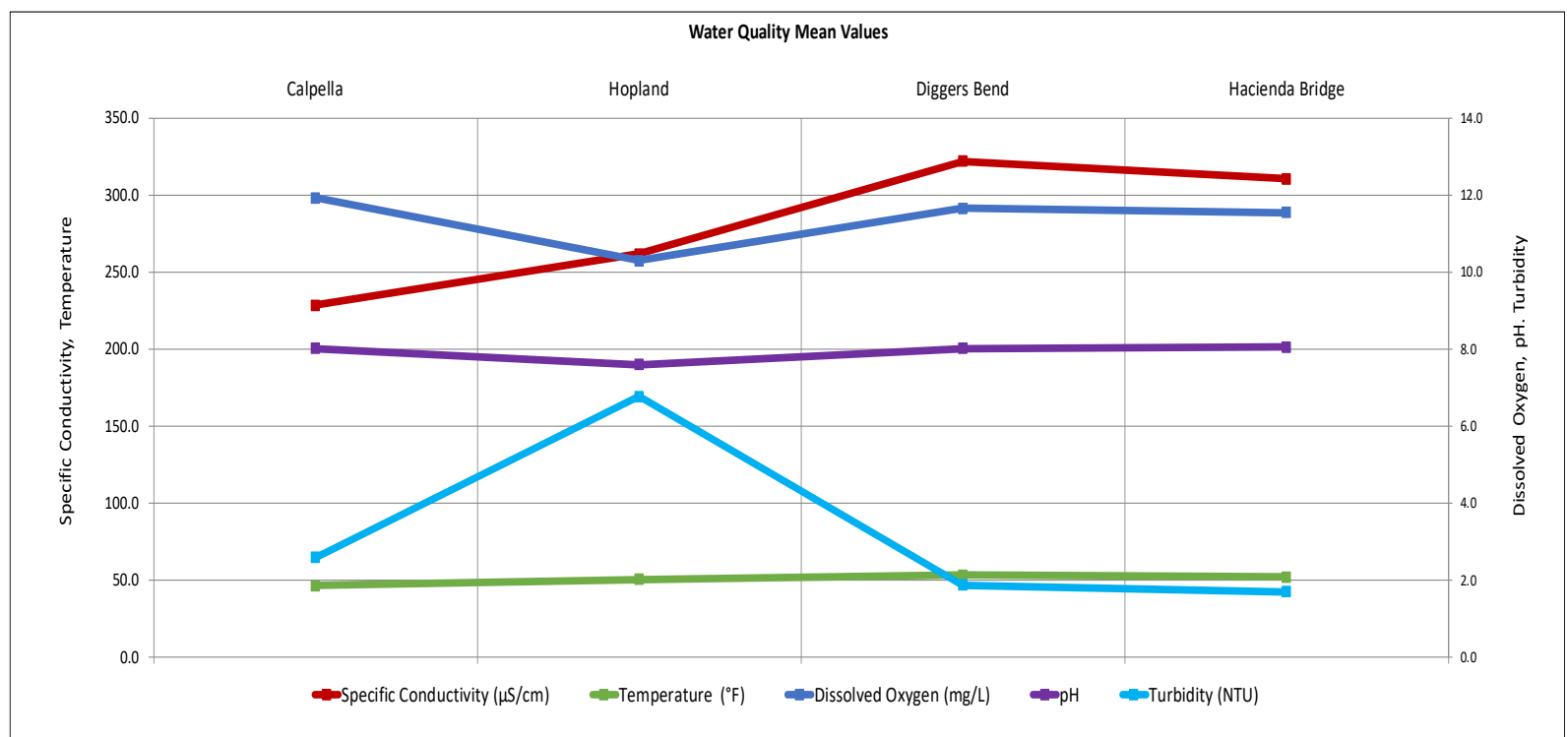
\*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



### Russian River Water Quality (February 4, 2022 - February 10, 2022)

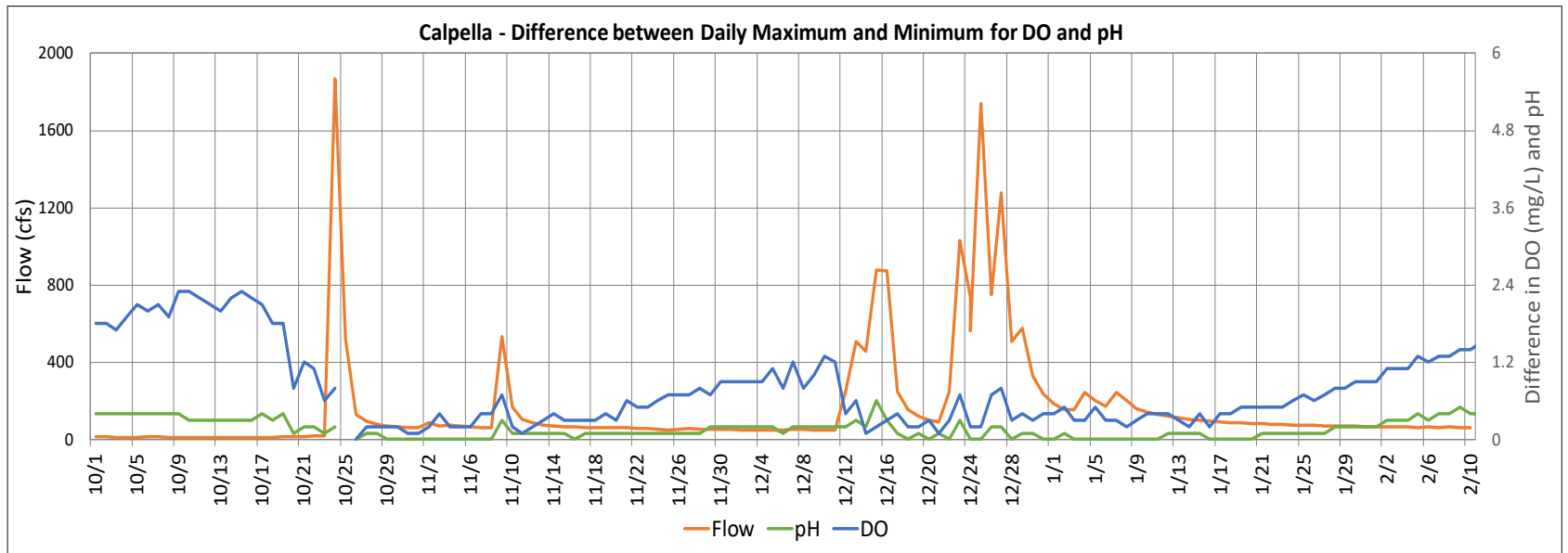
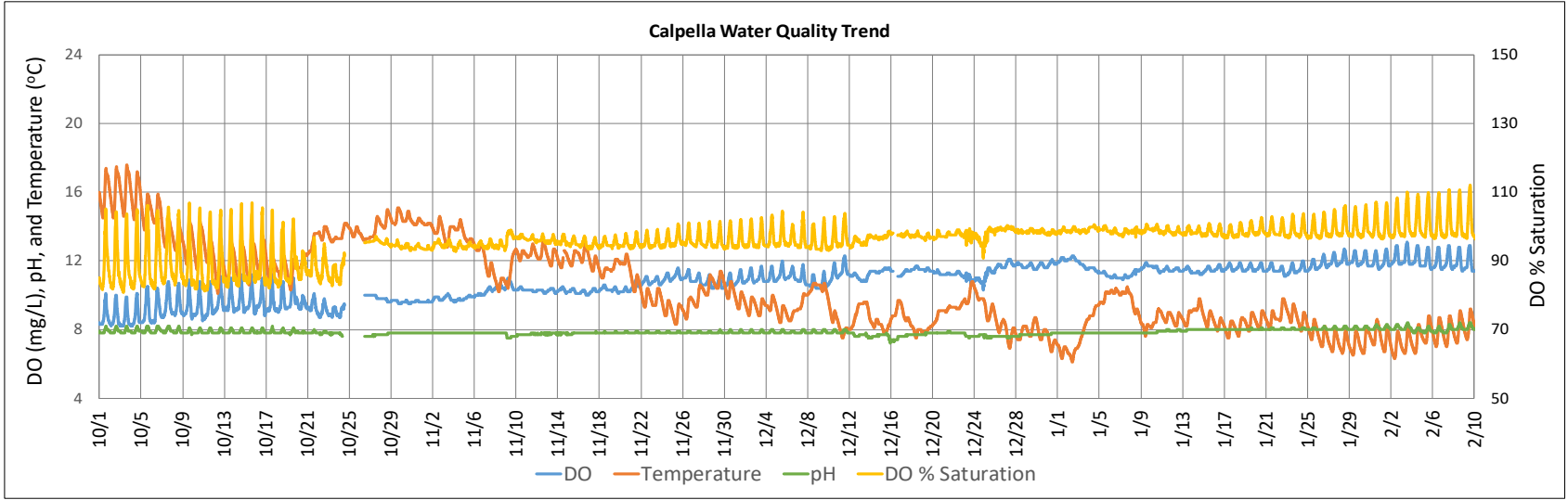
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463200	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	43.9	48.6			50.0		49.1	
	Max	50.0	53.8			57.6		55.2	
	Mean	46.4	50.6			53.2		52.0	
Specific Conductivity (µS/cm)	Min	225.0	260.0			307.0		304.0	
	Max	233.0	265.0			338.0		316.0	
	Mean	228.7	262.0			322.2		310.7	
Dissolved Oxygen (mg/L)	Min	11.0	9.7			9.6		9.8	
	Max	12.9	10.9			14.1		13.4	
	Mean	11.9	10.3			11.7		11.6	
Dissolved Oxygen (% Saturation)	Min	95.8	86.0			88.4		89.1	
	Max	112.1	98.8			133.5		126.8	
	Mean	100.8	92.0			107.7		105.0	
pH	Min	7.8	7.4			7.7		7.8	
	Max	8.4	7.7			8.6		8.4	
	Mean	8.0	7.6			8.0		8.1	
Turbidity (NTU)	Min	2.2	5.0			0.5		1.0	
	Max	3.1	10.2			3.5		2.6	
	Mean	2.6	6.8			1.9		1.7	

\*Station operated seasonally



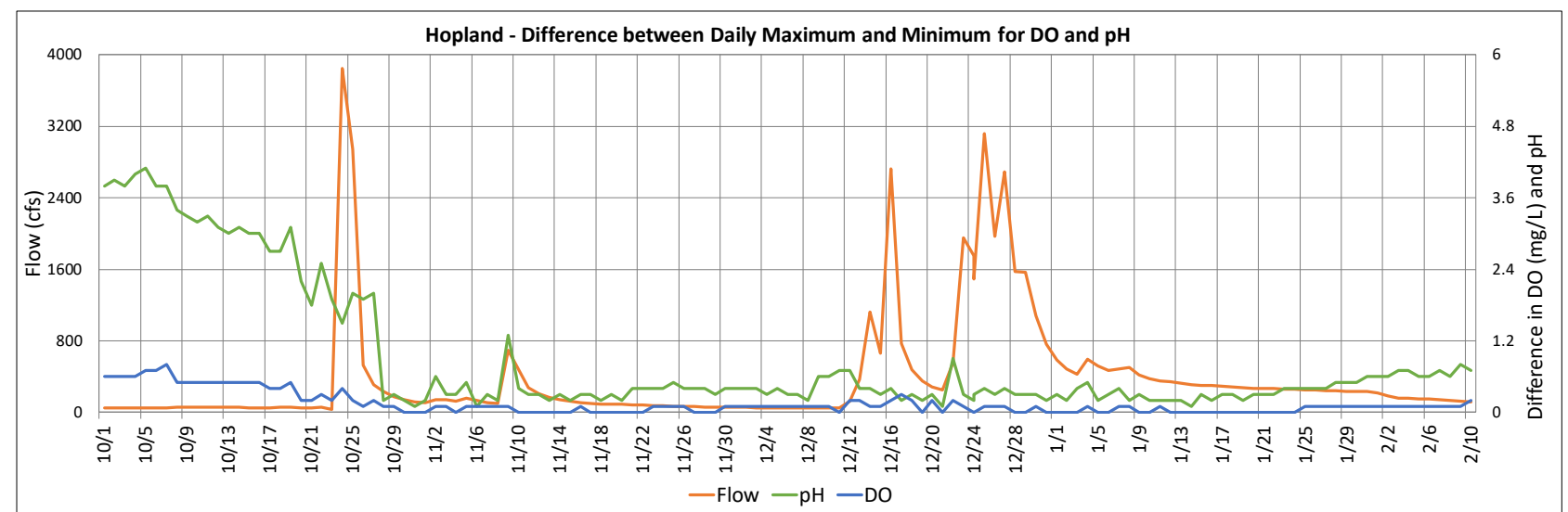
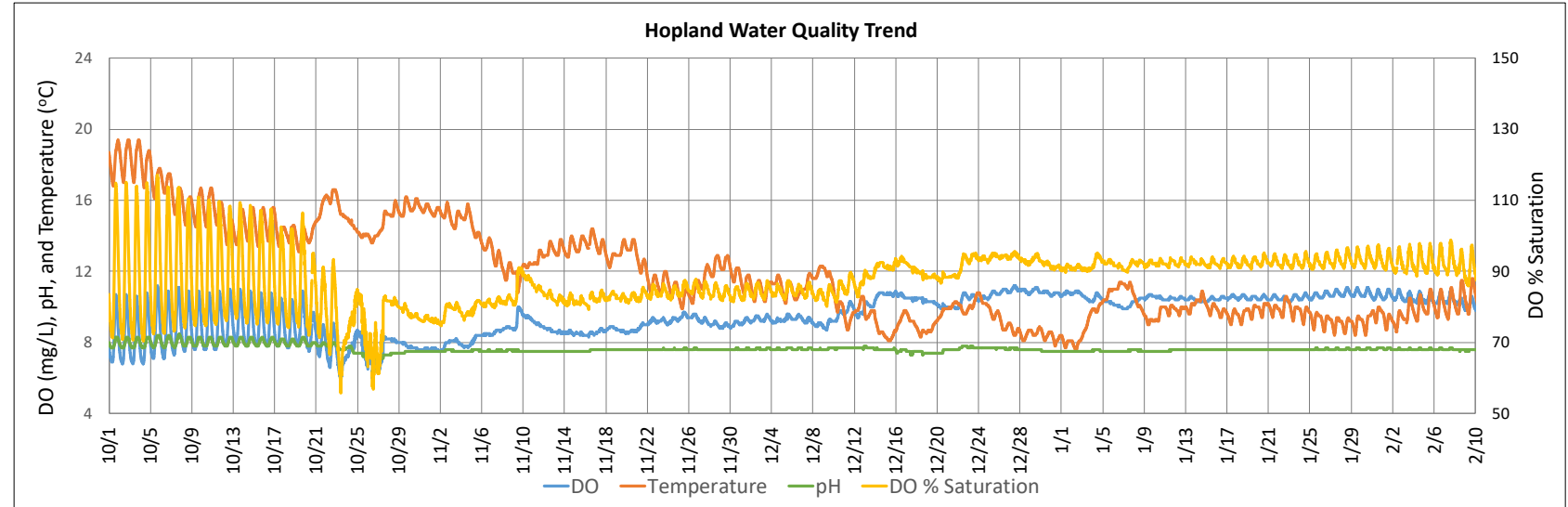
Russian River Water Quality (October 1, 2021 - February 10, 2022)

Calpella (East Fork Russian River)



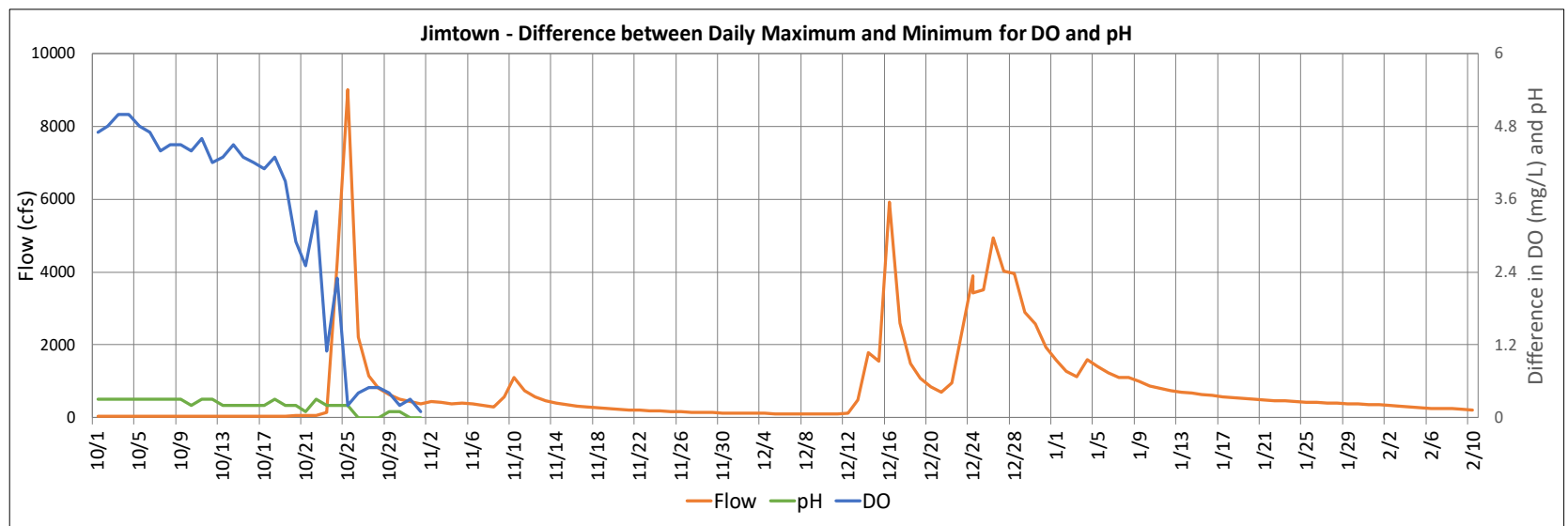
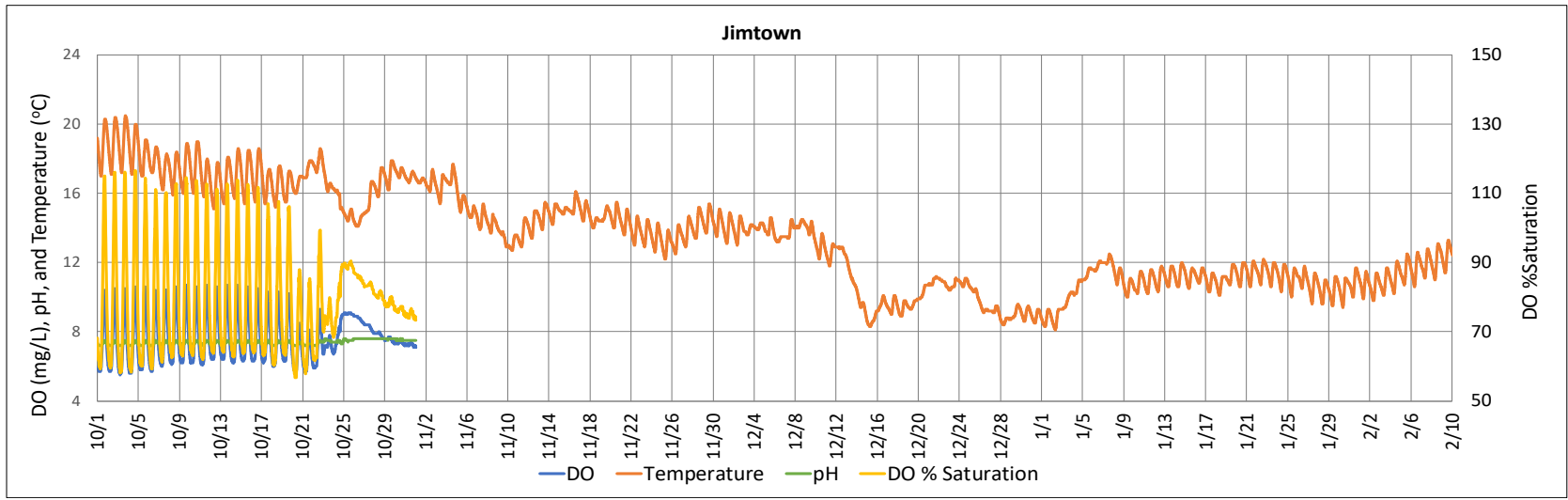
Russian River Water Quality (October 1, 2021 - February 10, 2022)

Hopland



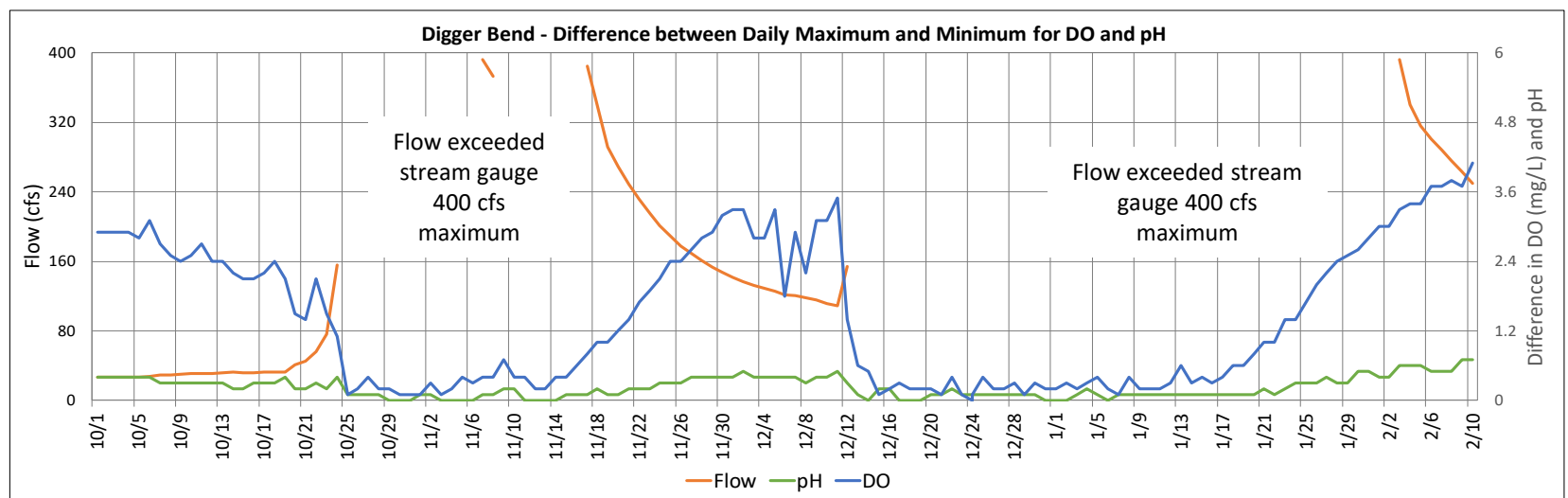
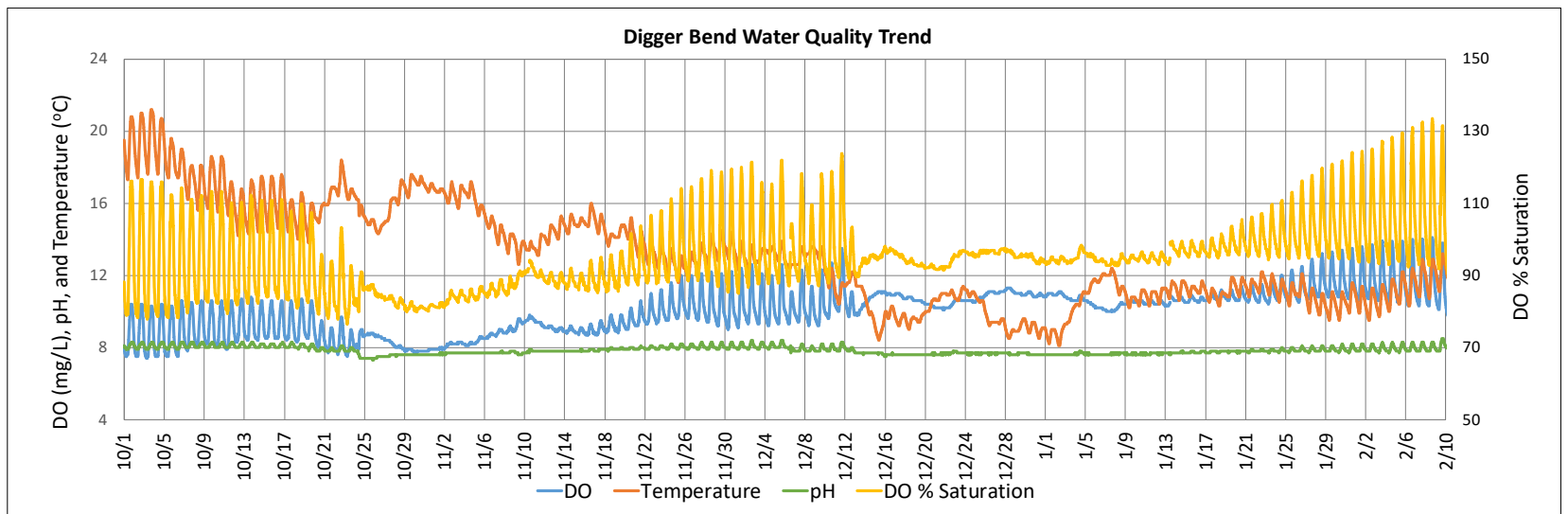
Russian River Water Quality (October 1, 2021 - February 10, 2022)

Jimtown



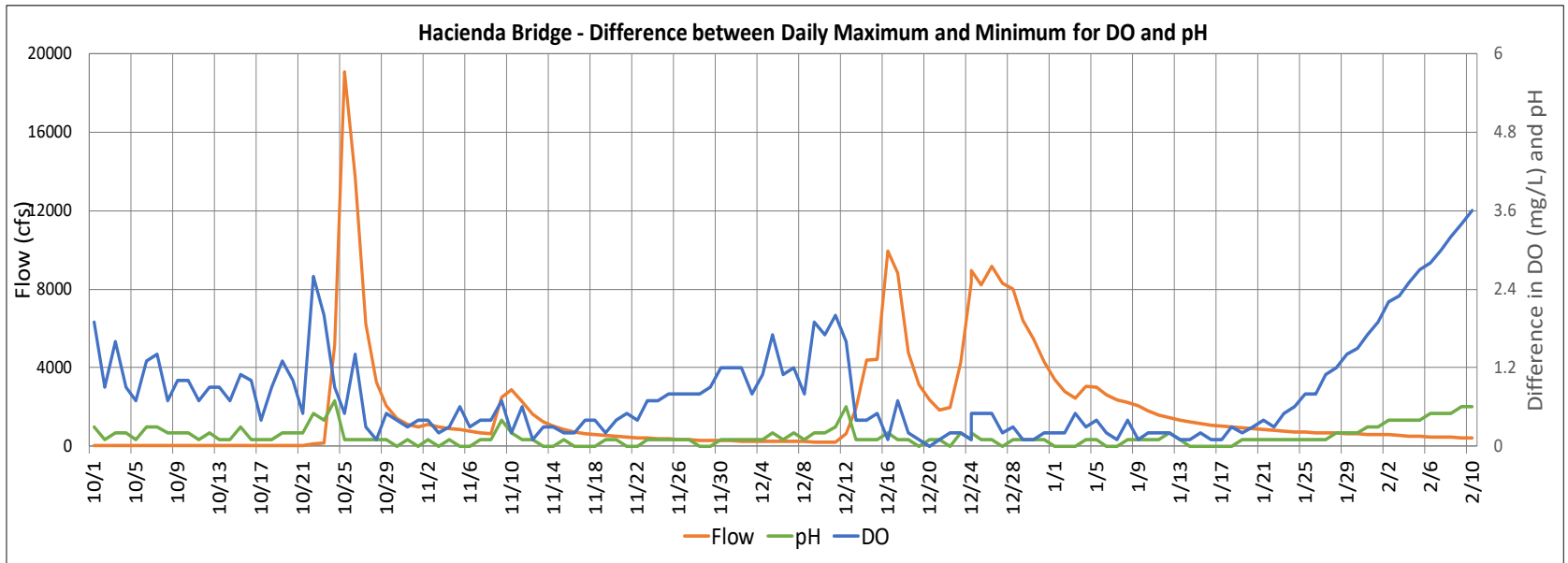
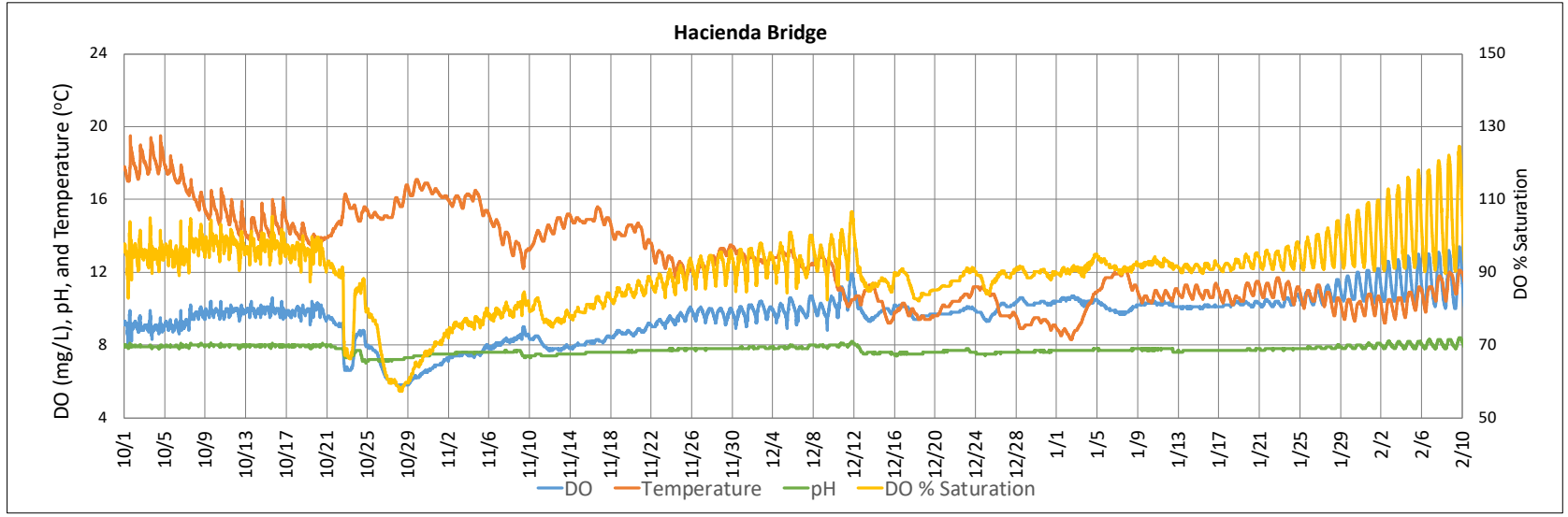
Russian River Water Quality (October 1, 2021 - February 10, 2022)

Digger Bend



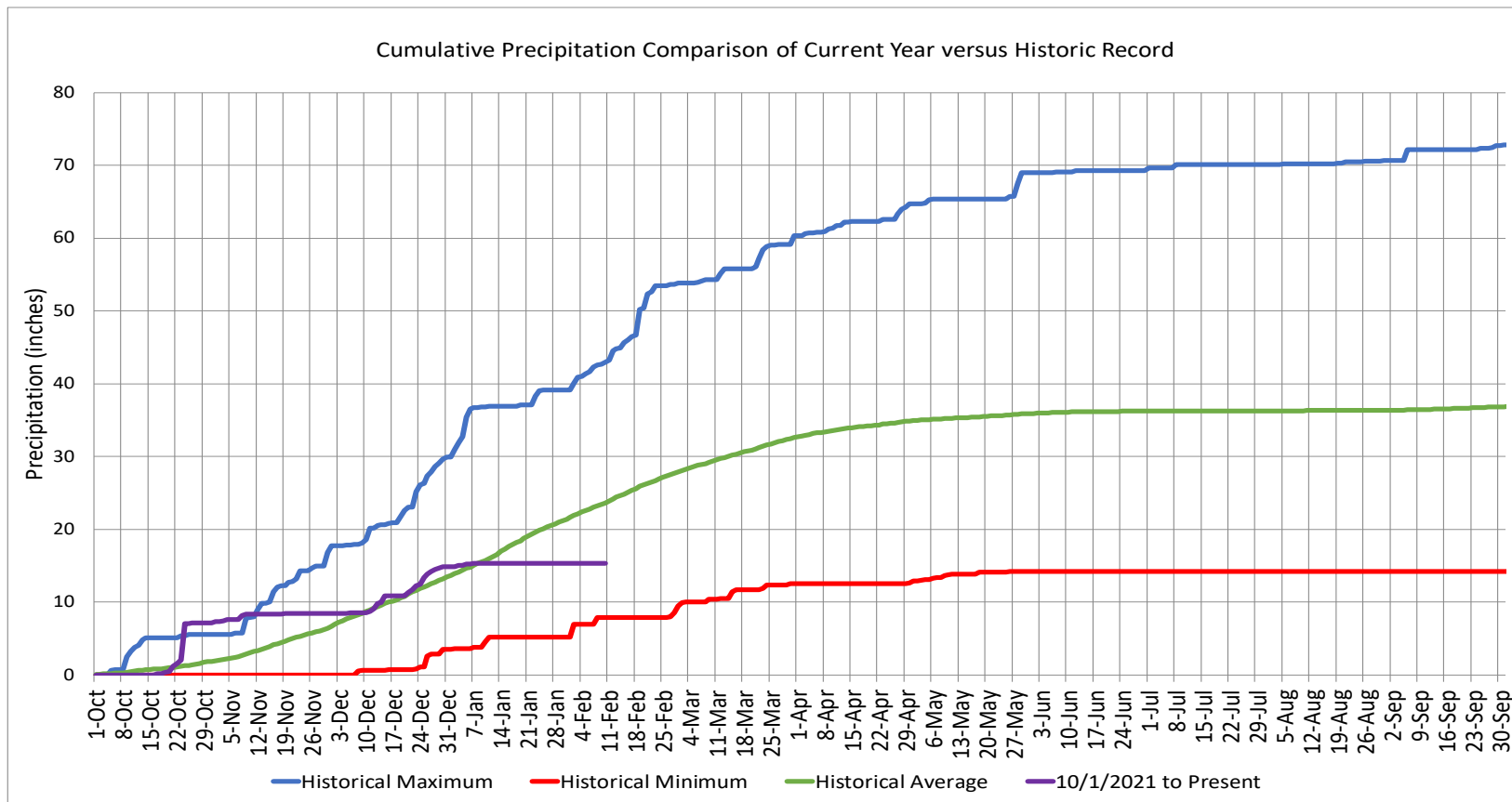
Russian River Water Quality (October 1, 2021 - February 10, 2022)

Hacienda Bridge



### Precipitation

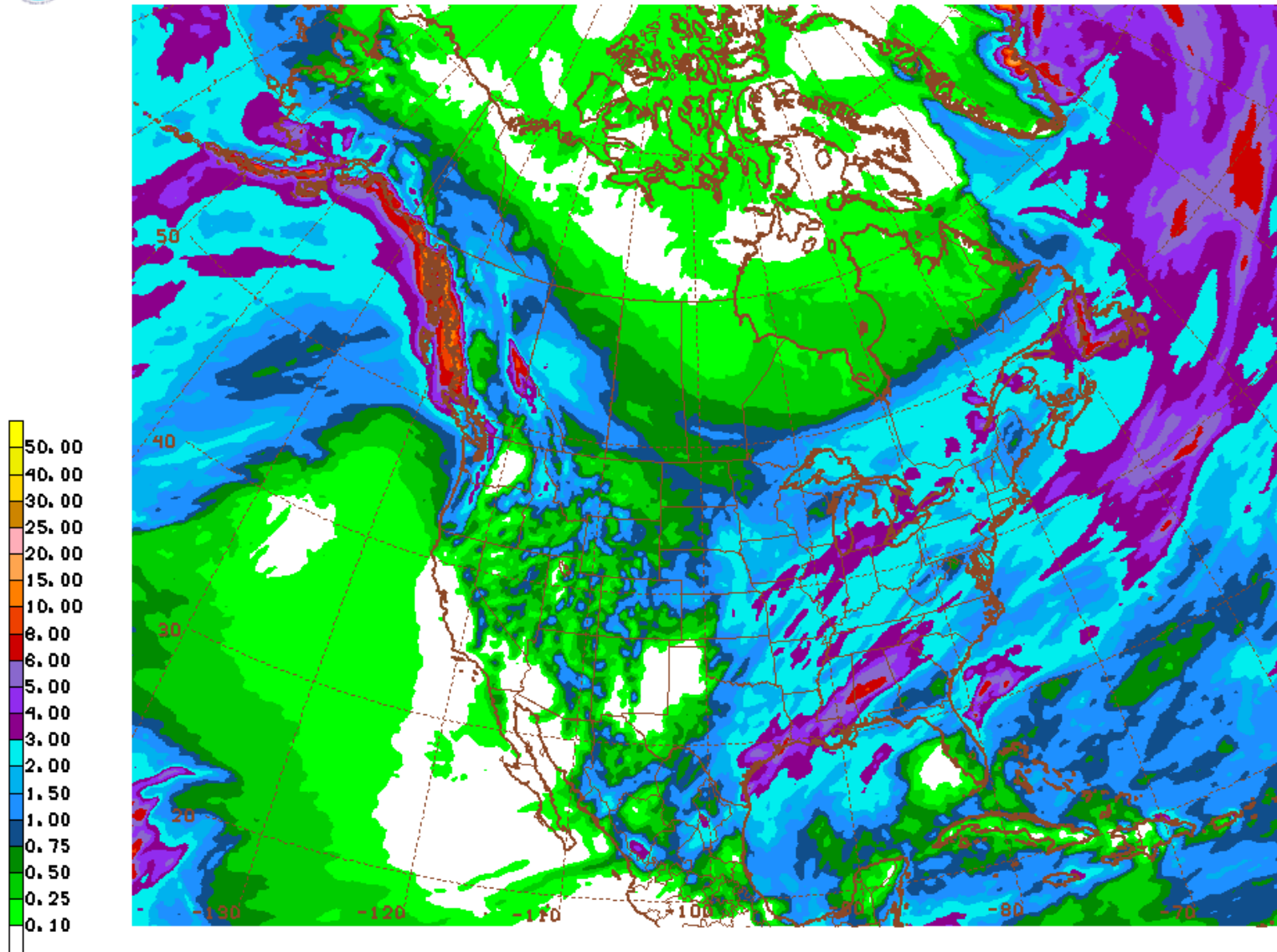
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Feb 10, 2022	<b>15.37</b>
Last 7 Days*	<b>0.00</b>



### Global Forecast System Model 16-day Cumulative Precipitation Forecast



GFS 02/14/22 12UTC 384HR FCST VALID WED 03/02/22 12UTC NOAA/NWS/NCEP



GFS WED 220302/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Feb 14 - Mar 2, 2022	<b>0.0</b>