



State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 June 16, 2023 - June 22, 2023

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).

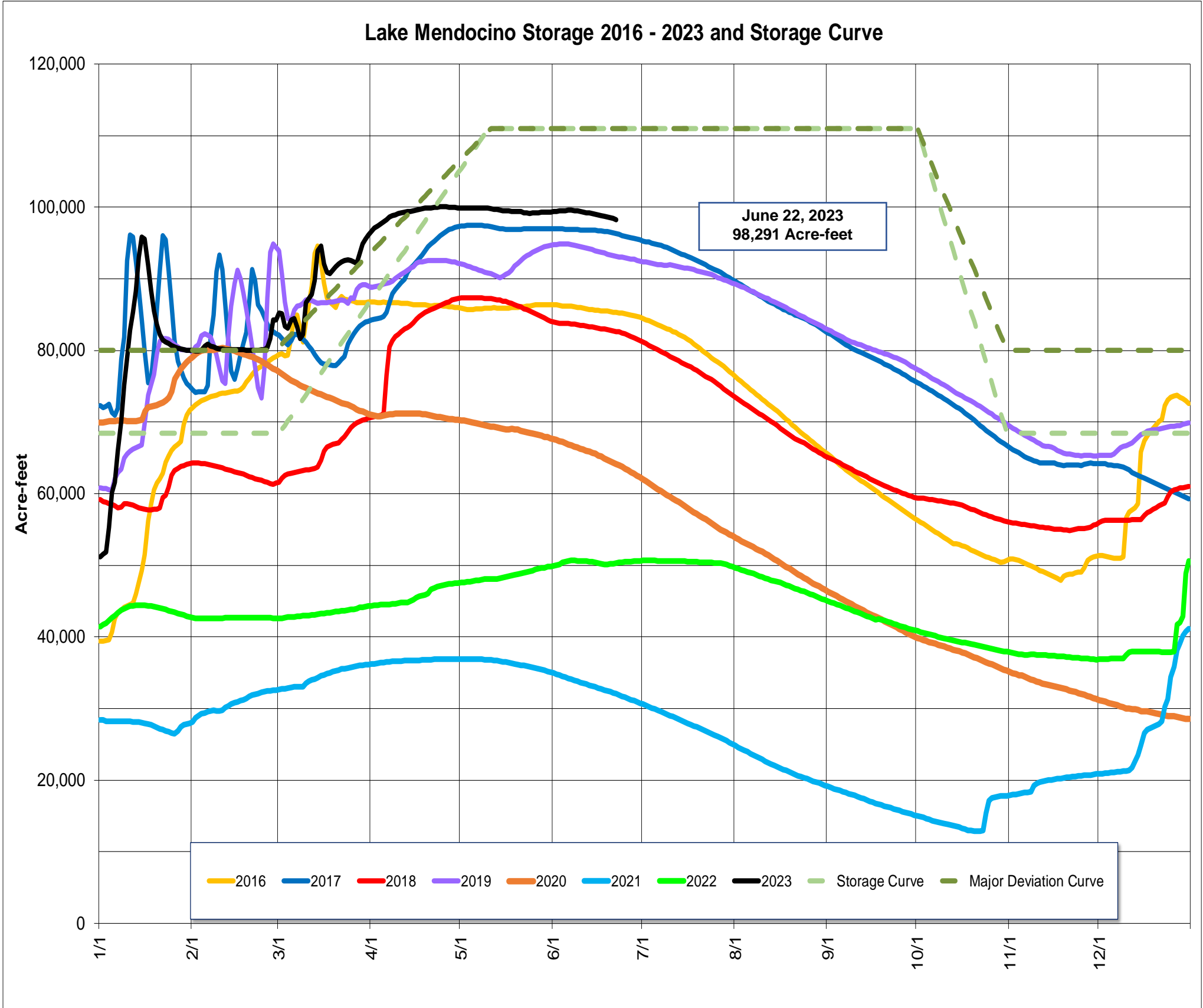
Instream Flow Requirements as of June 22, 2023

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 based on criteria as established in the Order issued 5/19/2023.

Lake Mendocino

Lake Mendocino Storage 2016 - 2023 and Storage Curve



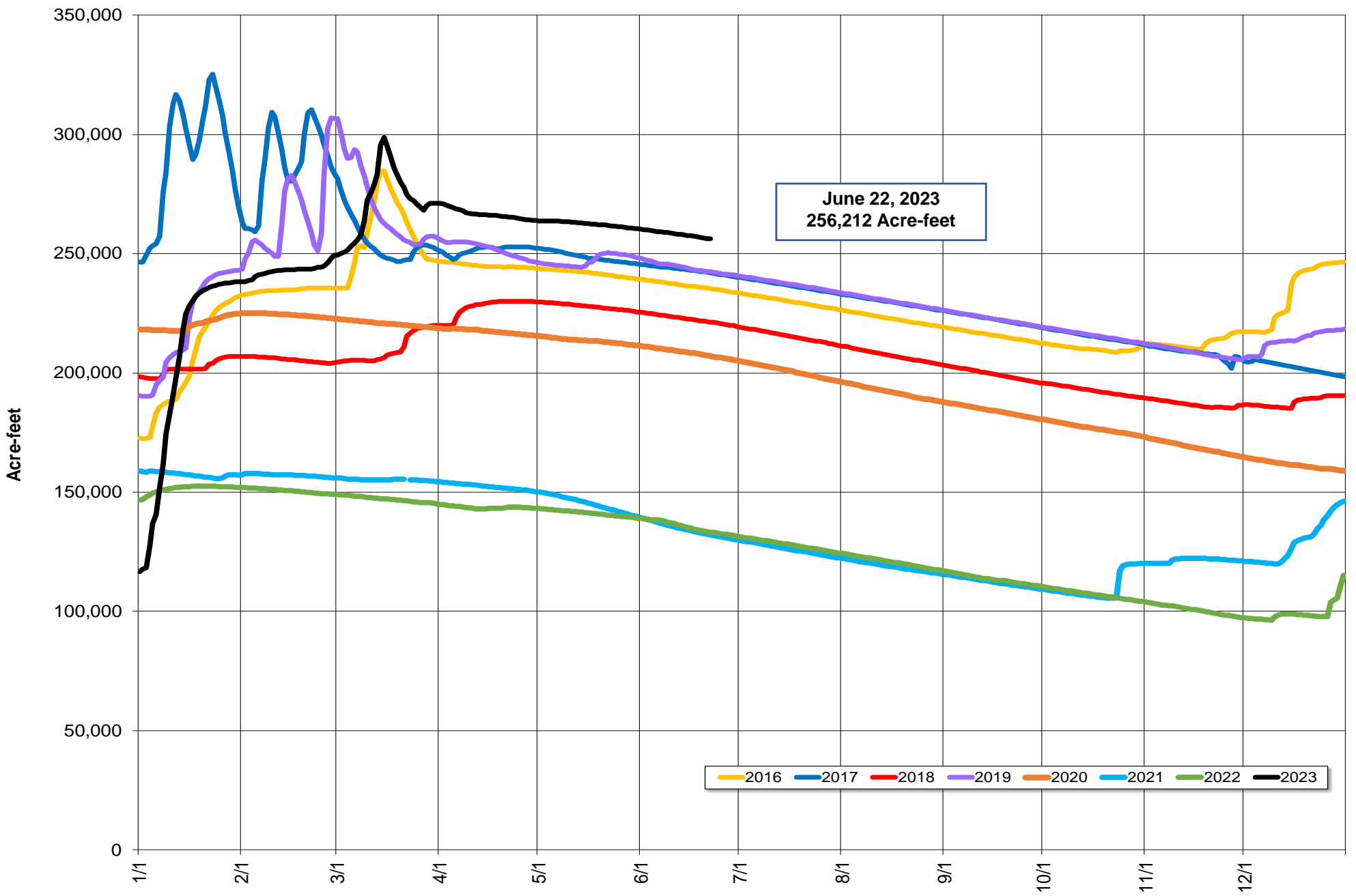
Storage (acre-feet)	June 22, 2023	98,291	
Change in Storage (acre-feet)	Last 30 days	-919	-31
	Last 7 days	-642	-92
Daily Inflow (cfs)	Last 7 days	Min	76
		Max	97
		Mean	88
Release (cfs)	Last 7 days	Min	125
		Max	125
		Mean	125

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2016-2023



Storage (acre-feet)	June 22, 2023	256,212	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-5,450	-182
	Last 7 days	-1,308	-187
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	25
		Mean	13
Release (cfs)	Last 7 days	Min	93
		Max	96
		Mean	94

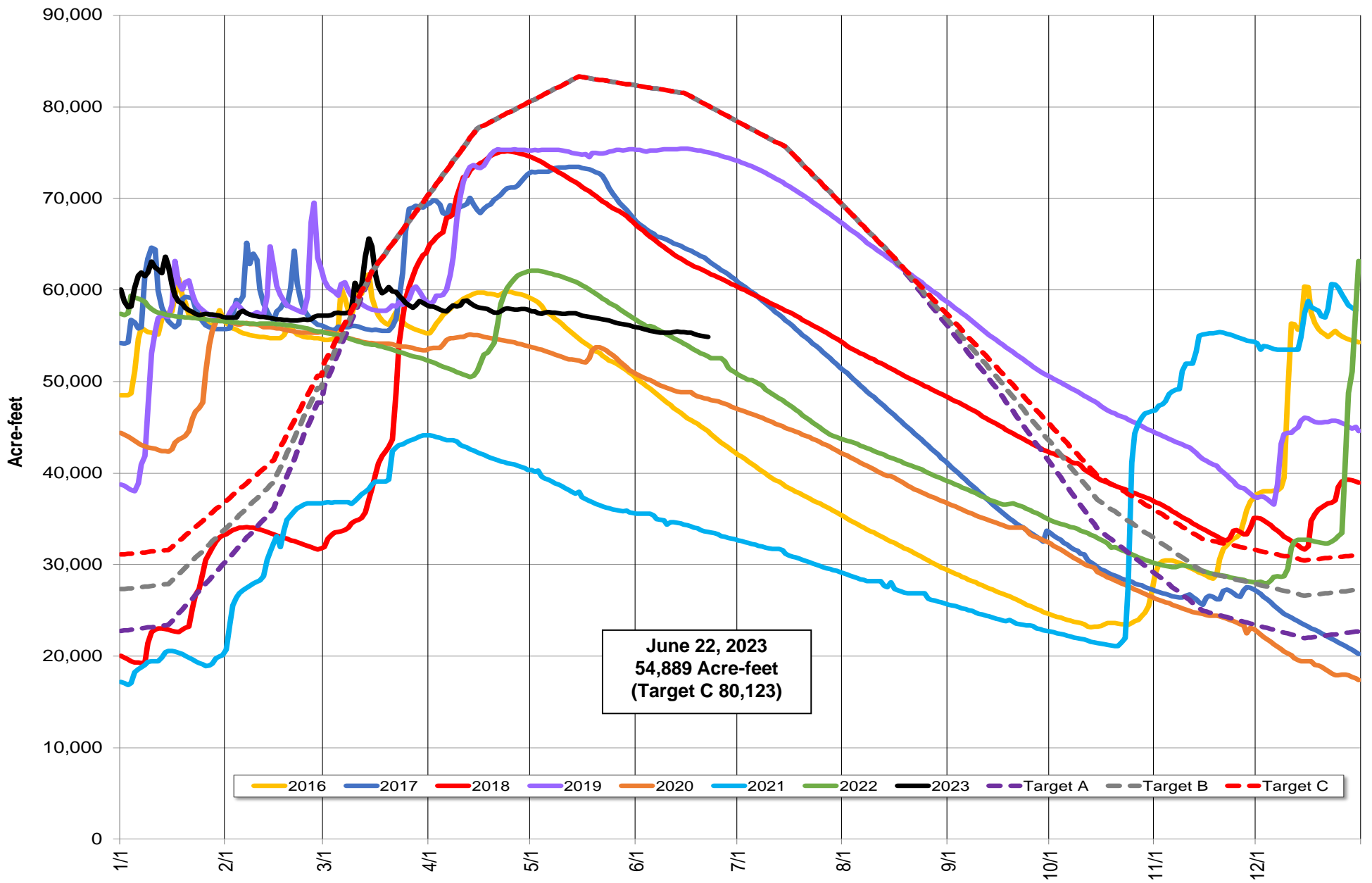
Potter Valley Project

PVP Diversion (cfs)	June 22, 2023	104
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - June 22, 2023	613,767	2,316
	Last 7 days	1,471	210

*Inflow calculation based on criteria established in D1610

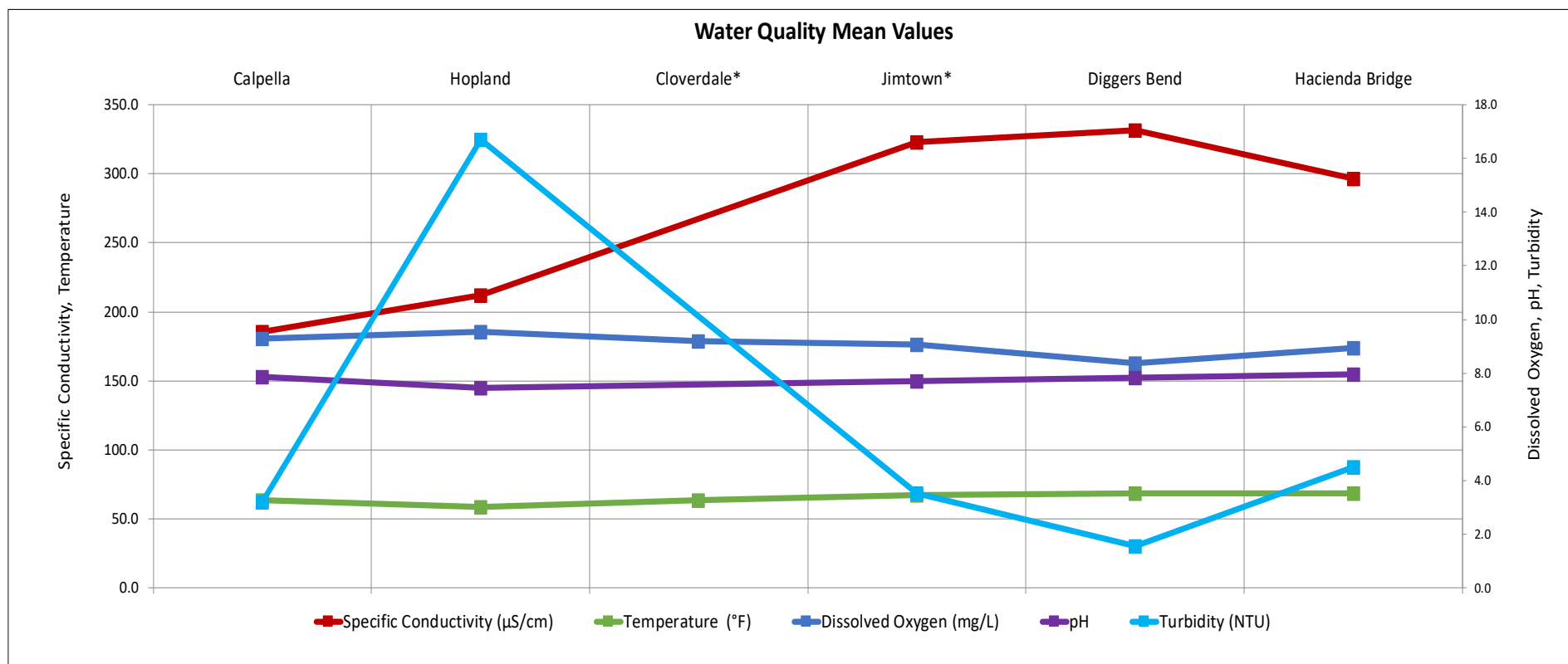
Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



Russian River Flows (June 16, 2023 - June 22, 2023)

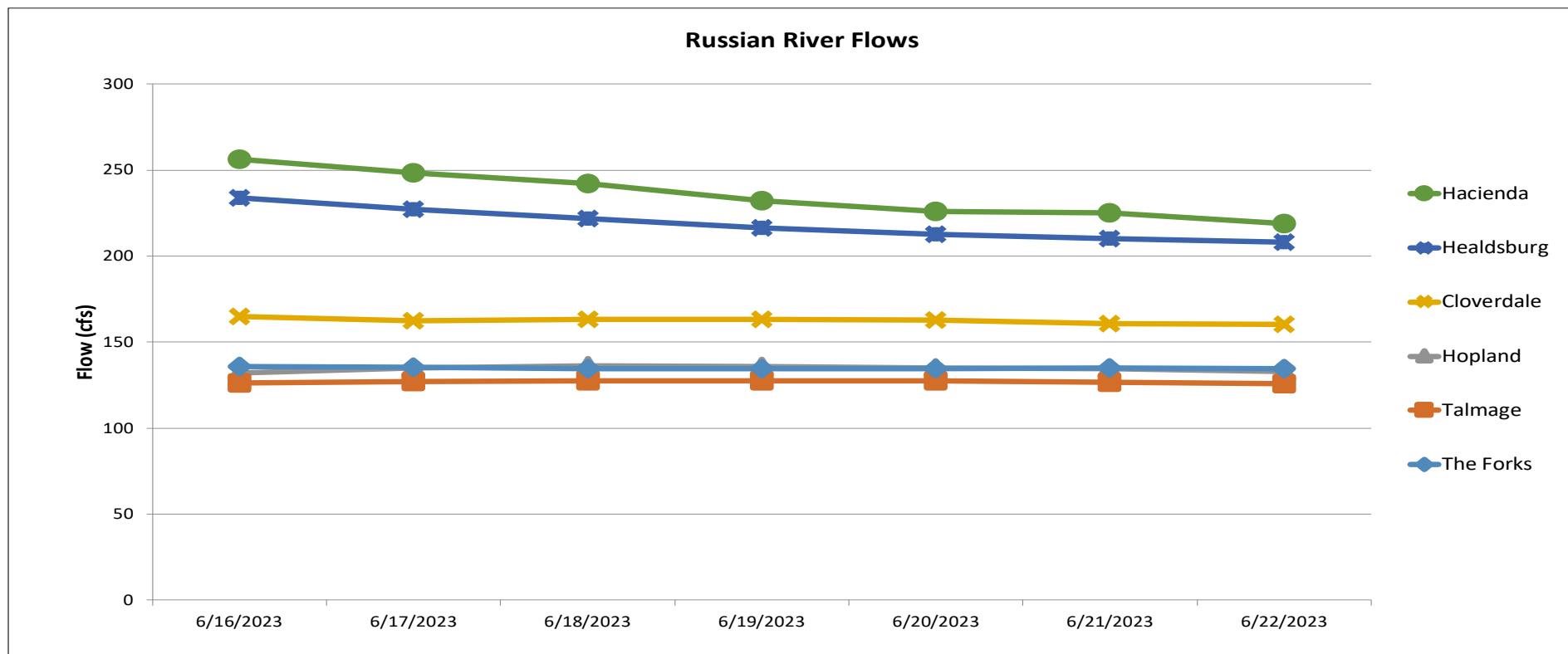
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	57.9	55.0	59.2	63.3	64.2		64.9	
	Max	68.4	62.8	68.7	72.0	72.3		71.4	
	Mean	63.2	58.4	63.5	67.4	68.4		68.2	
Specific Conductivity (µS/cm)	Min	180.0	209.0		319.0	329.0		293.0	
	Max	191.0	213.0		328.0	334.0		300.0	
	Mean	185.5	211.9		322.9	331.4		296.6	
Dissolved Oxygen (mg/L)	Min	8.6	8.9	8.1	6.9	7.2		8.3	
	Max	10.2	10.4	10.8	12.6	9.9		9.8	
	Mean	9.3	9.5	9.2	9.0	8.4		8.9	
Dissolved Oxygen (% Saturation)	Min	92.3	87.3	85.0	73.8	77.4		90.6	
	Max	104.1	104.0	114.6	144.4	114.1		109.9	
	Mean	96.6	93.9	96.2	99.2	92.4		98.4	
pH	Min	7.7	7.3		7.3	7.7		7.9	
	Max	8.0	7.6		8.3	8.1		8.0	
	Mean	7.9	7.4		7.7	7.8		8.0	
Turbidity (NTU)	Min	2.4	15.2		3.0	1.1		3.5	
	Max	4.2	18.4		4.7	2.5		5.9	
	Mean	3.2	16.7		3.5	1.5		4.5	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jun 16, 2023	Jun 17, 2023	Jun 18, 2023	Jun 19, 2023	Jun 20, 2023	Jun 21, 2023	Jun 22, 2023
The Forks*	136	135	135	134	134	135	134
Talmage USGS 11462080	126	127	128	128	127	127	126
Hopland USGS 11462500	132	135	136	136	135	135	133
Cloverdale USGS 11463000	165	162	163	163	163	161	160
Healdsburg USGS 11464000	234	227	222	216	213	210	208
Hacienda USGS 11467000	256	248	242	232	226	225	219

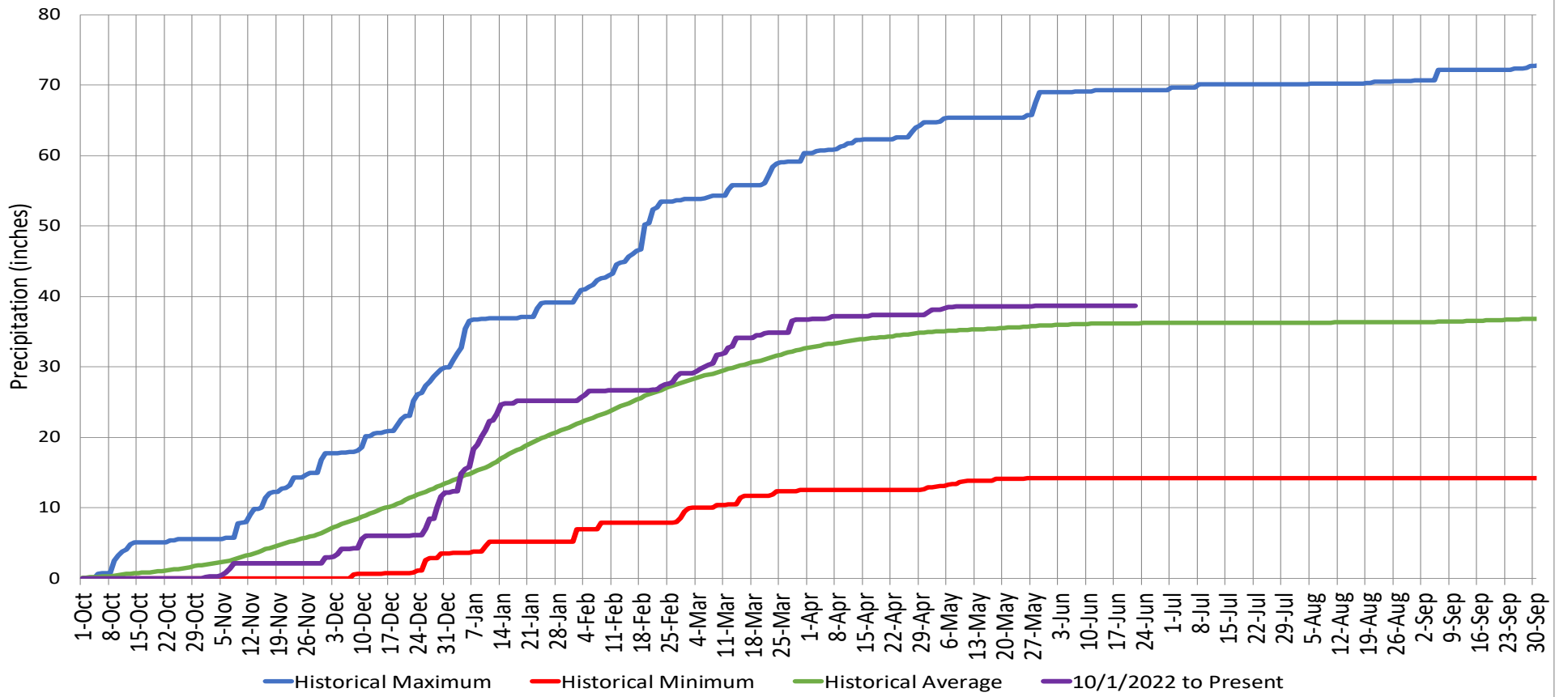
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Precipitation

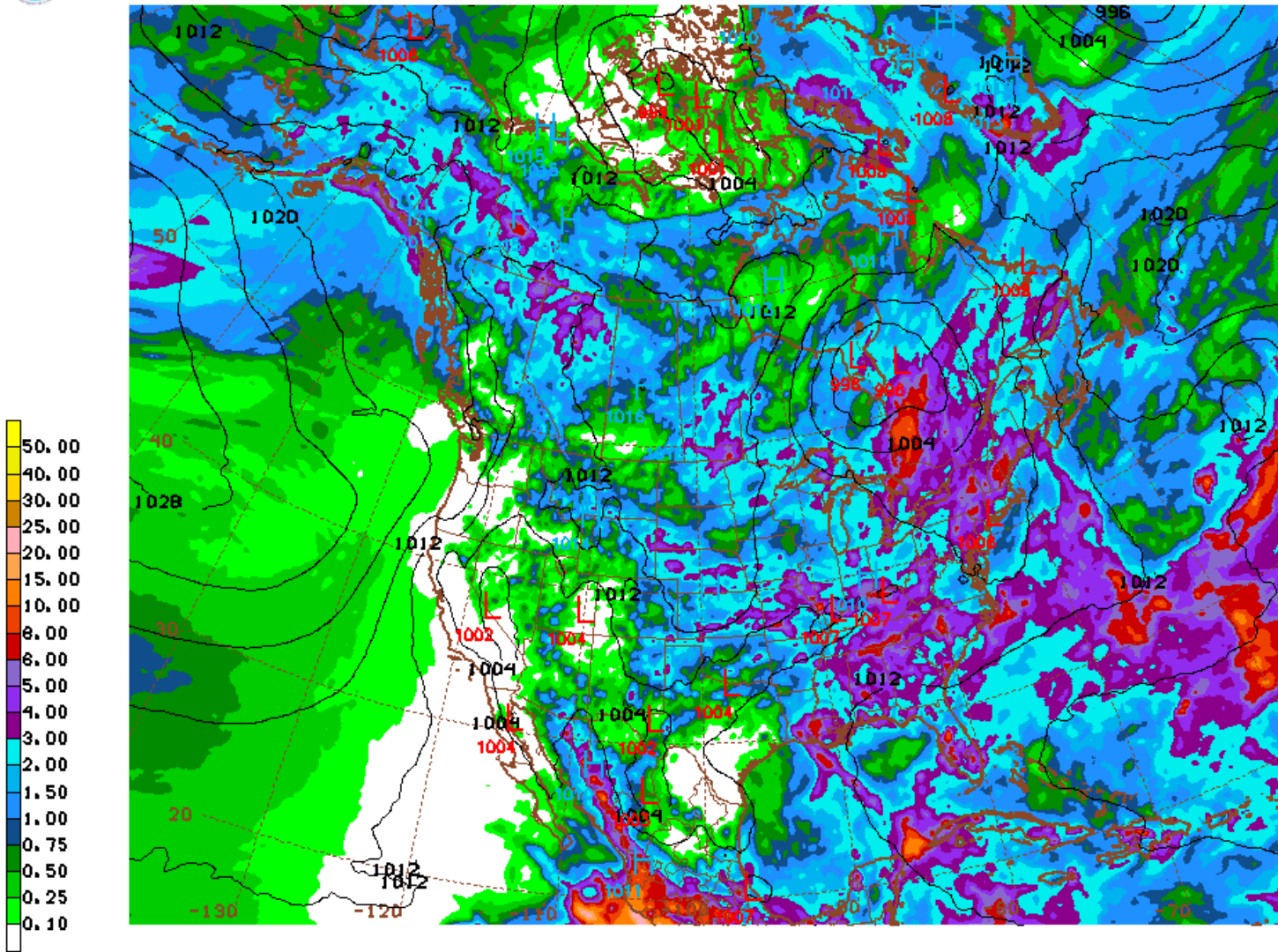
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Jun 22, 2023	38.64
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 06/26/23 12UTC 384HR FCST VALID WED 07/12/23 12UTC NOAA/NWS/NCEP



6FS WED 230712/1200Y384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Jun 26 - Jul 12, 2023

Forecasted Cumulative (inches)
0.00