



**State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 May 19, 2023 - May 25, 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).

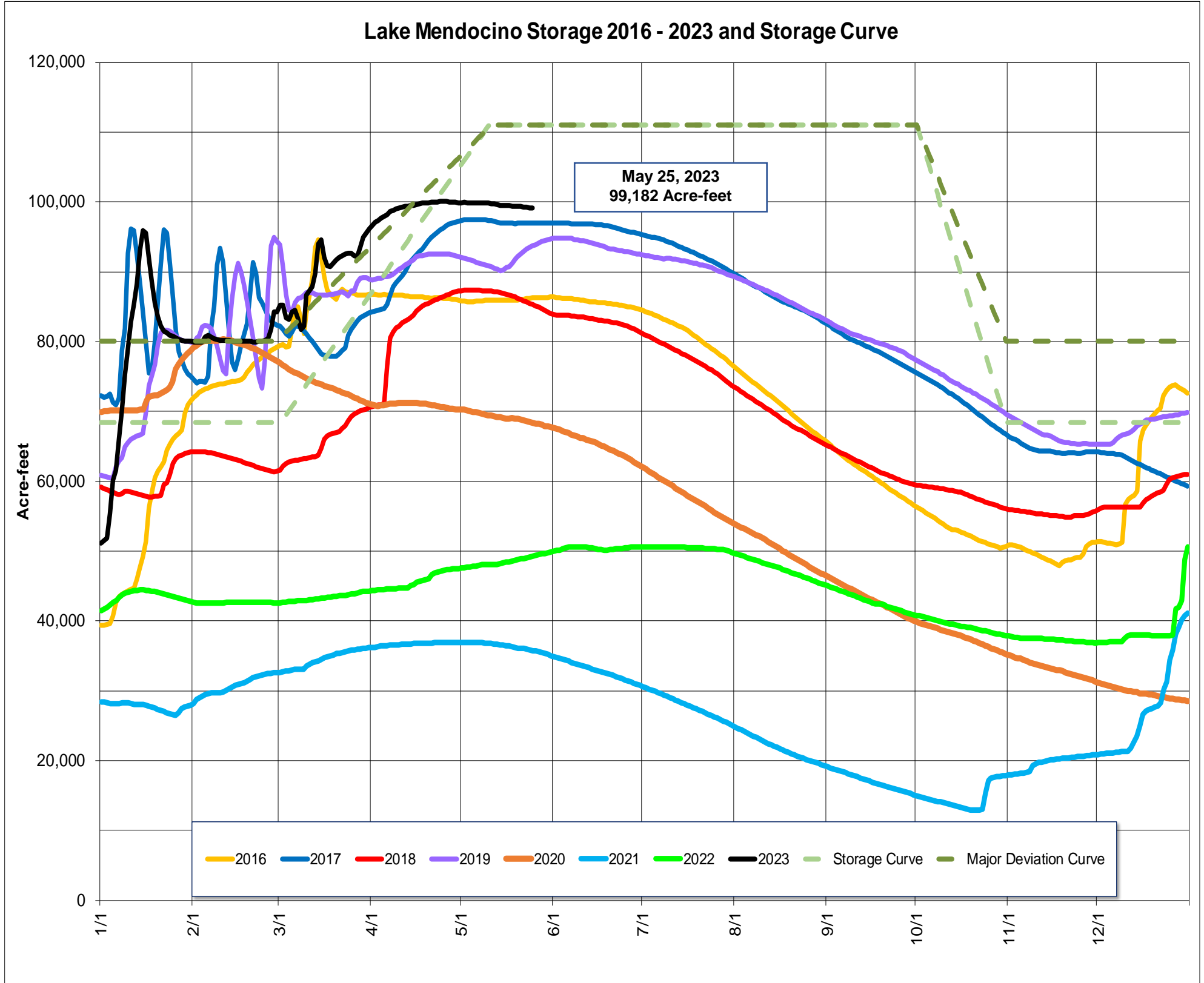
Instream Flow Requirements as of May 25, 2023

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

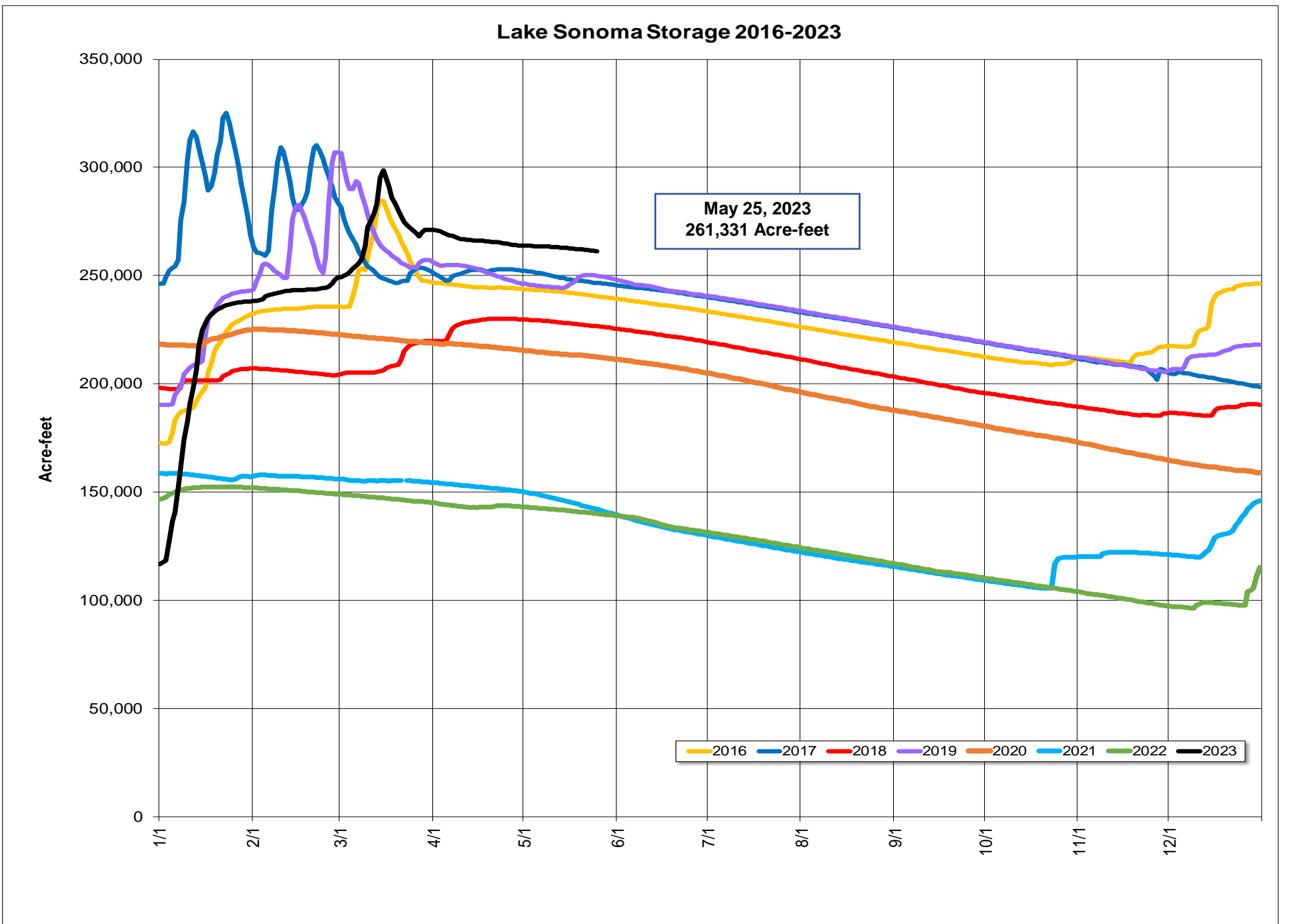


Storage (acre-feet)	May 25, 2023	99,182	
Change in Storage (acre-feet)	Last 30 days	-874	-29
	Last 7 days	-196	-28
Daily Inflow (cfs)	Last 7 days	Min	72
		Max	160
		Mean	126
Release (cfs)	Last 7 days	Min	119
		Max	163
		Mean	129

Lake Sonoma



Nathan Baskett, March 3, 2011



Storage (acre-feet)	May 25, 2023	261,331	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	-3,405	-114
Daily Inflow (cfs)	Last 7 days	Min	24
		Max	71
		Mean	36
Release (cfs)	Last 7 days	Min	94
		Max	95
		Mean	94

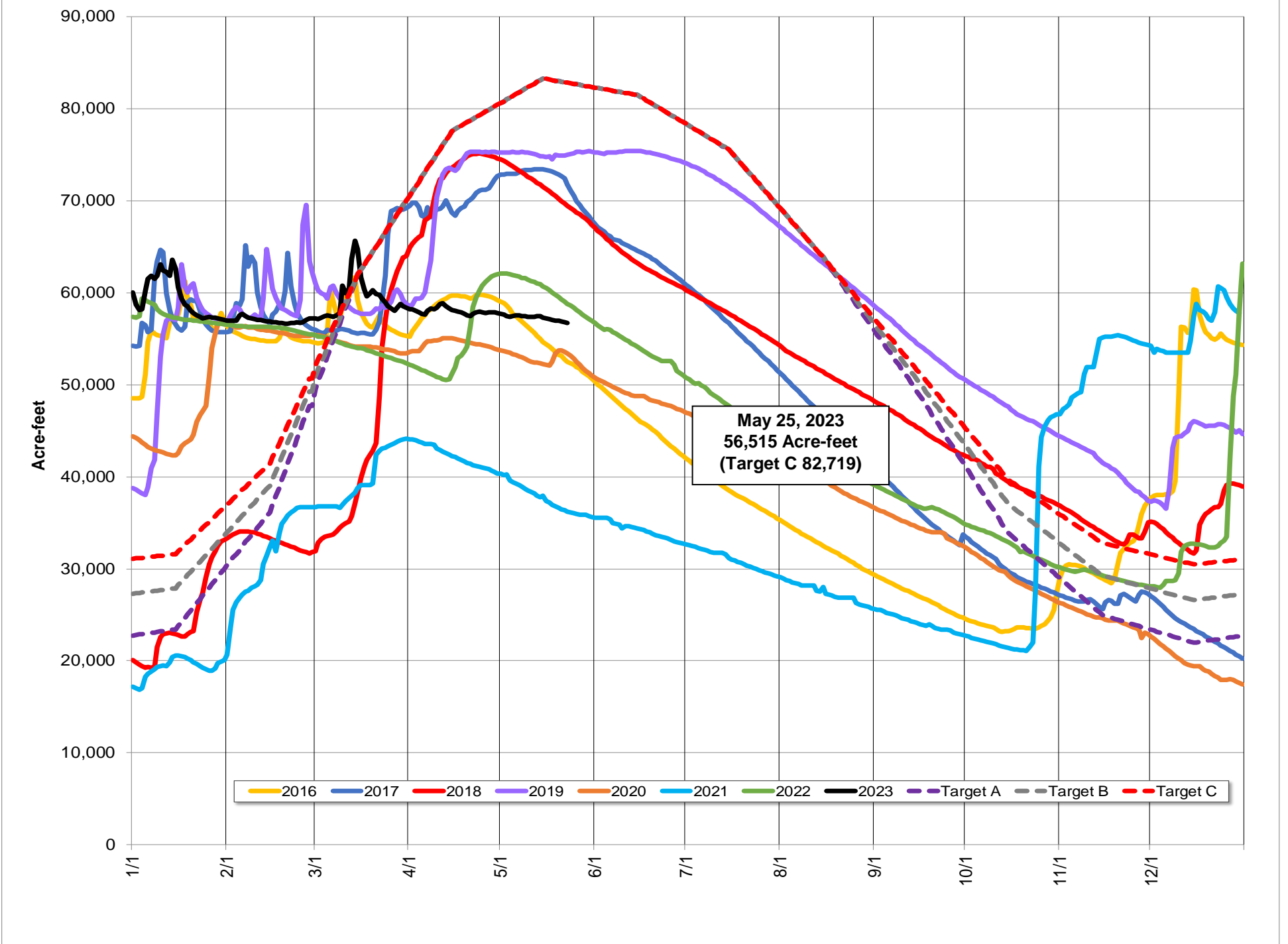
Potter Valley Project

PVP Diversion (cfs)	May 25, 2023	130
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - May 25, 2023	601,083	2,536
	Last 7 days	6,367	910

*Inflow calculation based on criteria established in D1610

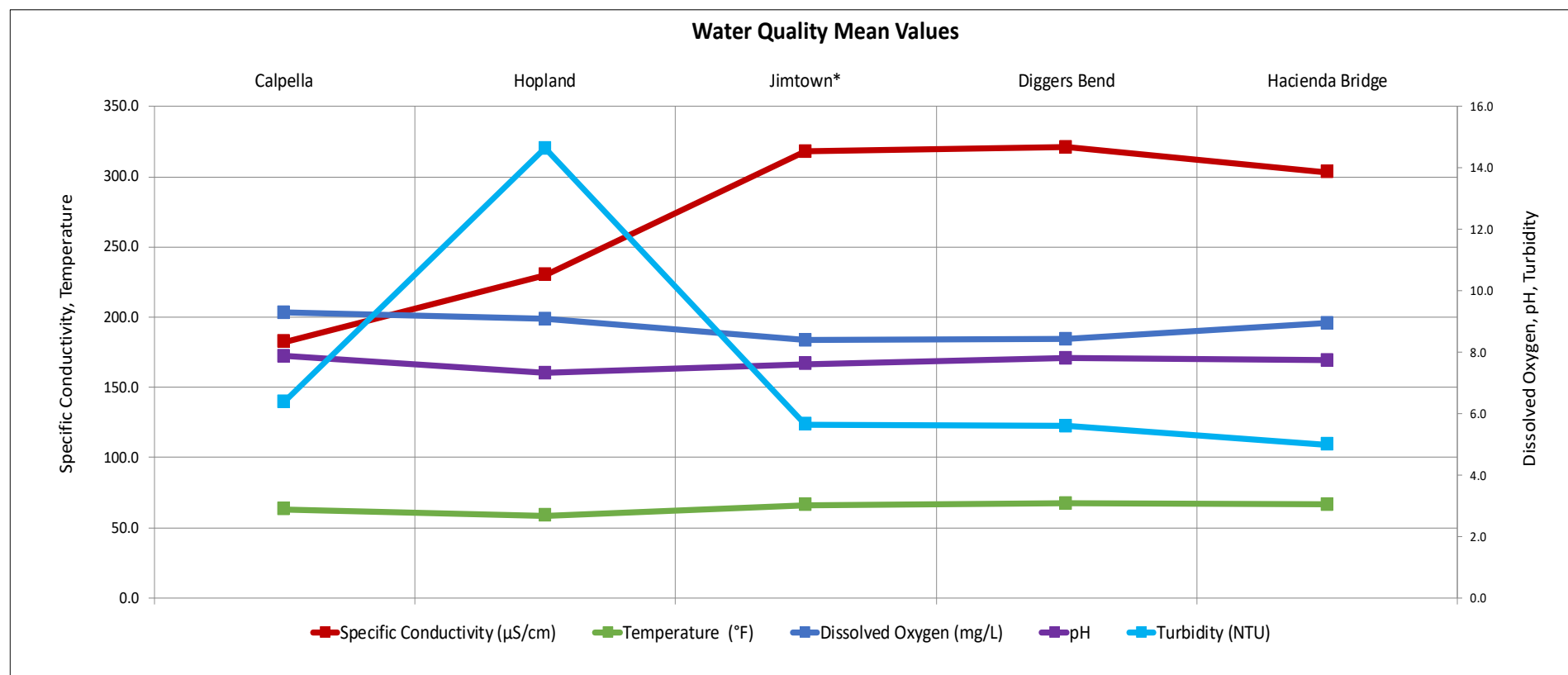
Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



Russian River Flows (May 19, 2023 - May 25, 2023)

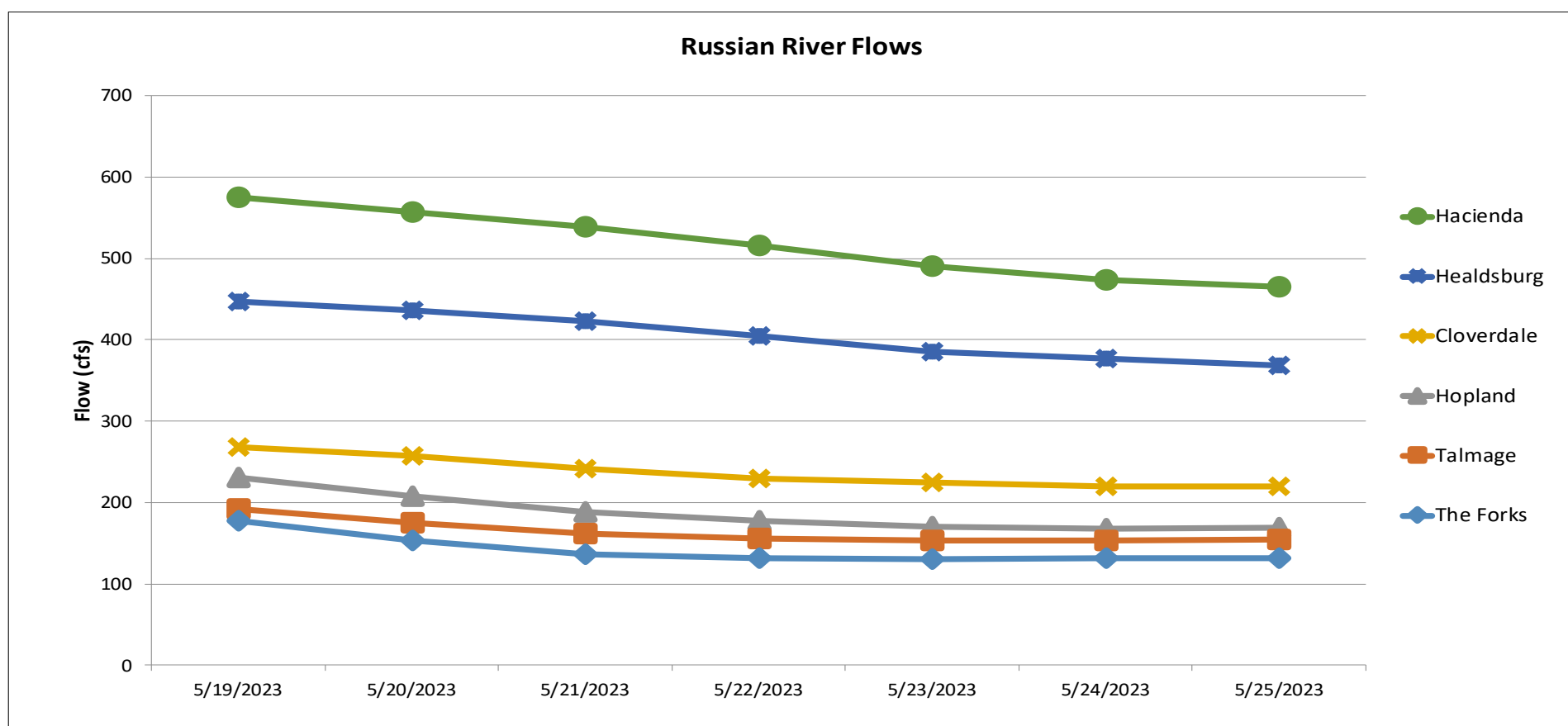
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	59.7	55.6		63.1	63.5		63.0	
	Max	66.7	61.7		70.0	71.4		69.6	
	Mean	63.0	58.7		66.0	67.1		66.3	
Specific Conductivity (µS/cm)	Min	179.0	220.0		309.0	314.0		301.0	
	Max	189.0	237.0		327.0	330.0		306.0	
	Mean	182.5	229.9		318.1	320.9		303.2	
Dissolved Oxygen (mg/L)	Min	8.9	8.3		7.7	7.4		7.9	
	Max	9.6	9.8		9.2	9.8		10.4	
	Mean	9.3	9.1		8.4	8.4		8.9	
Dissolved Oxygen (% Saturation)	Min	93.7	80.5		82.0	80.1		83.8	
	Max	100.9	97.7		102.0	110.1		115.3	
	Mean	96.5	89.8		90.3	91.8		96.5	
pH	Min	7.8	7.2		7.5	7.7		7.6	
	Max	8.0	7.4		7.7	8.0		7.9	
	Mean	7.9	7.3		7.6	7.8		7.7	
Turbidity (NTU)	Min	4.6	12.3		4.3	4.3		3.9	
	Max	8.1	16.5		7.1	8.5		9.3	
	Mean	6.4	14.6		5.6	5.6		5.0	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	May 19, 2023	May 20, 2023	May 21, 2023	May 22, 2023	May 23, 2023	May 24, 2023	May 25, 2023
The Forks*	178	153	136	132	130	131	131
Talmage USGS 11462080	192	175	161	155	153	154	154
Hopland USGS 11462500	231	208	189	177	170	168	169
Cloverdale USGS 11463000	268	257	242	230	225	220	220
Healdsburg USGS 11464000	447	436	423	404	386	377	368
Hacienda USGS 11467000	575	557	538	516	491	474	465

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

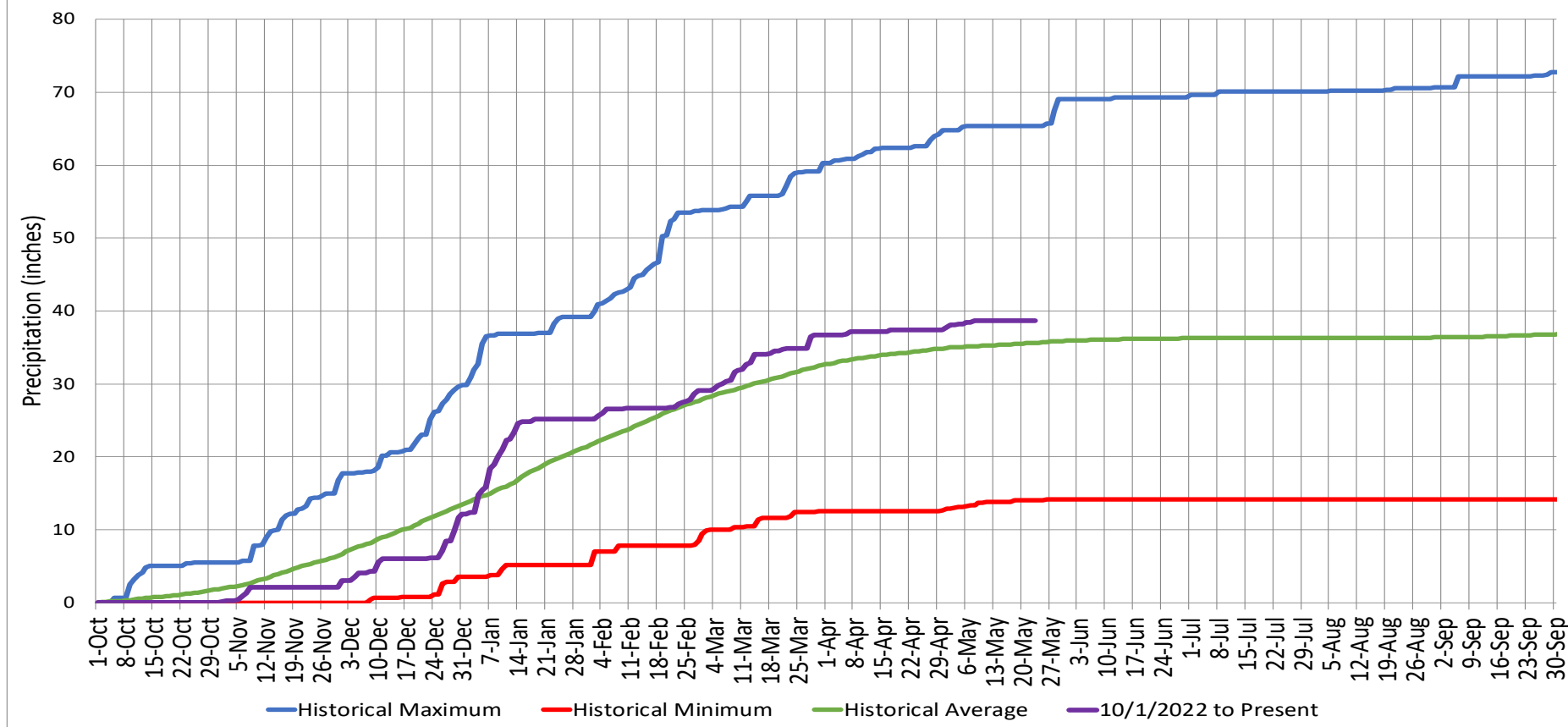


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

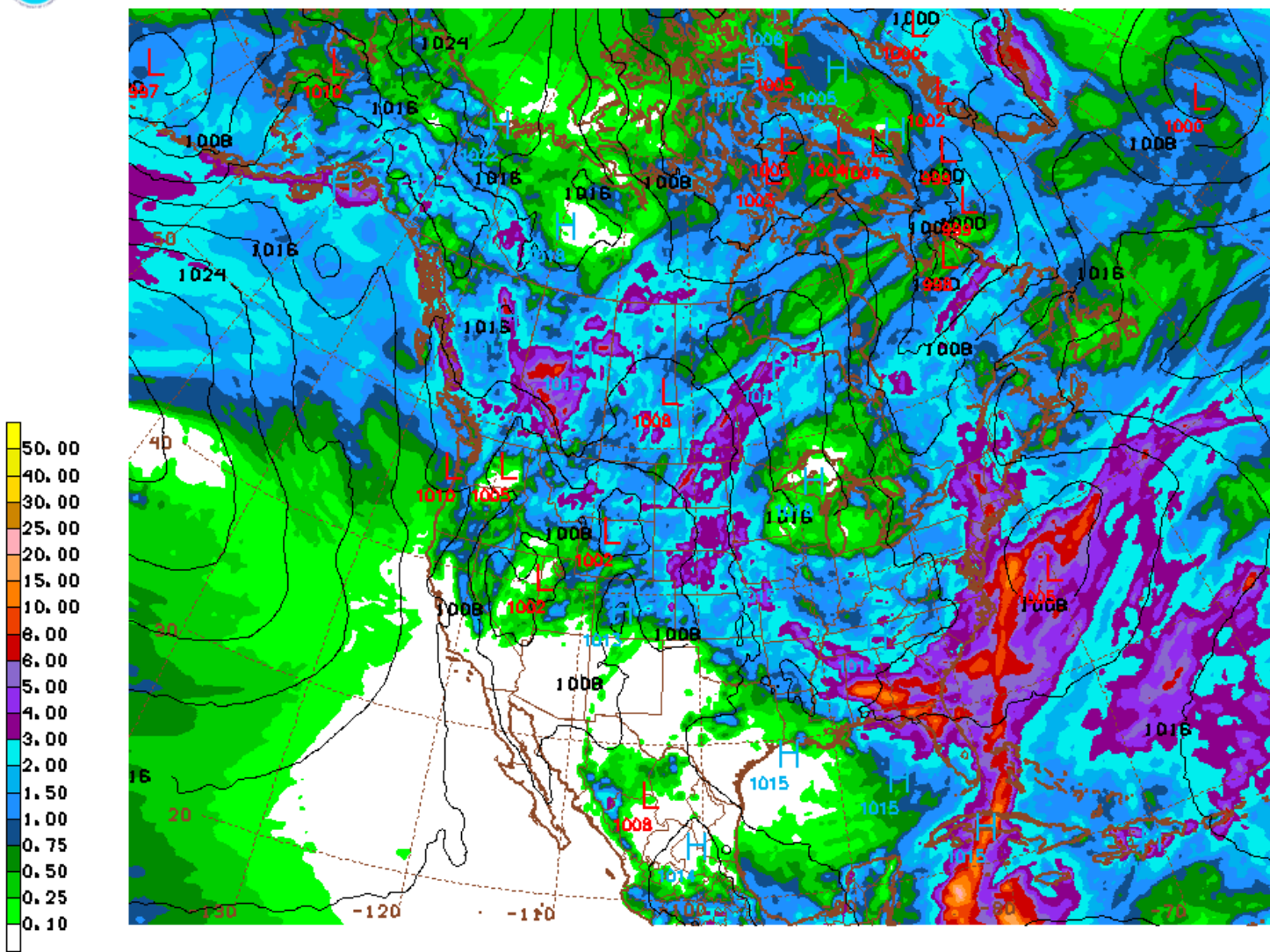
Date Range	Cumulative (inches)
Oct 1, 2022 - May 25, 2023	38.62
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 06/14/23 12UTC 384HR FCST VALID FRI 06/30/23 12UTC NOAA/NWS/NCEP



6FS FRI 230630/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
 May 25 - Jun 10, 2023

Forecasted Cumulative (inches)
0.00