



**State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 June 9, 2023 - June 15, 2023**

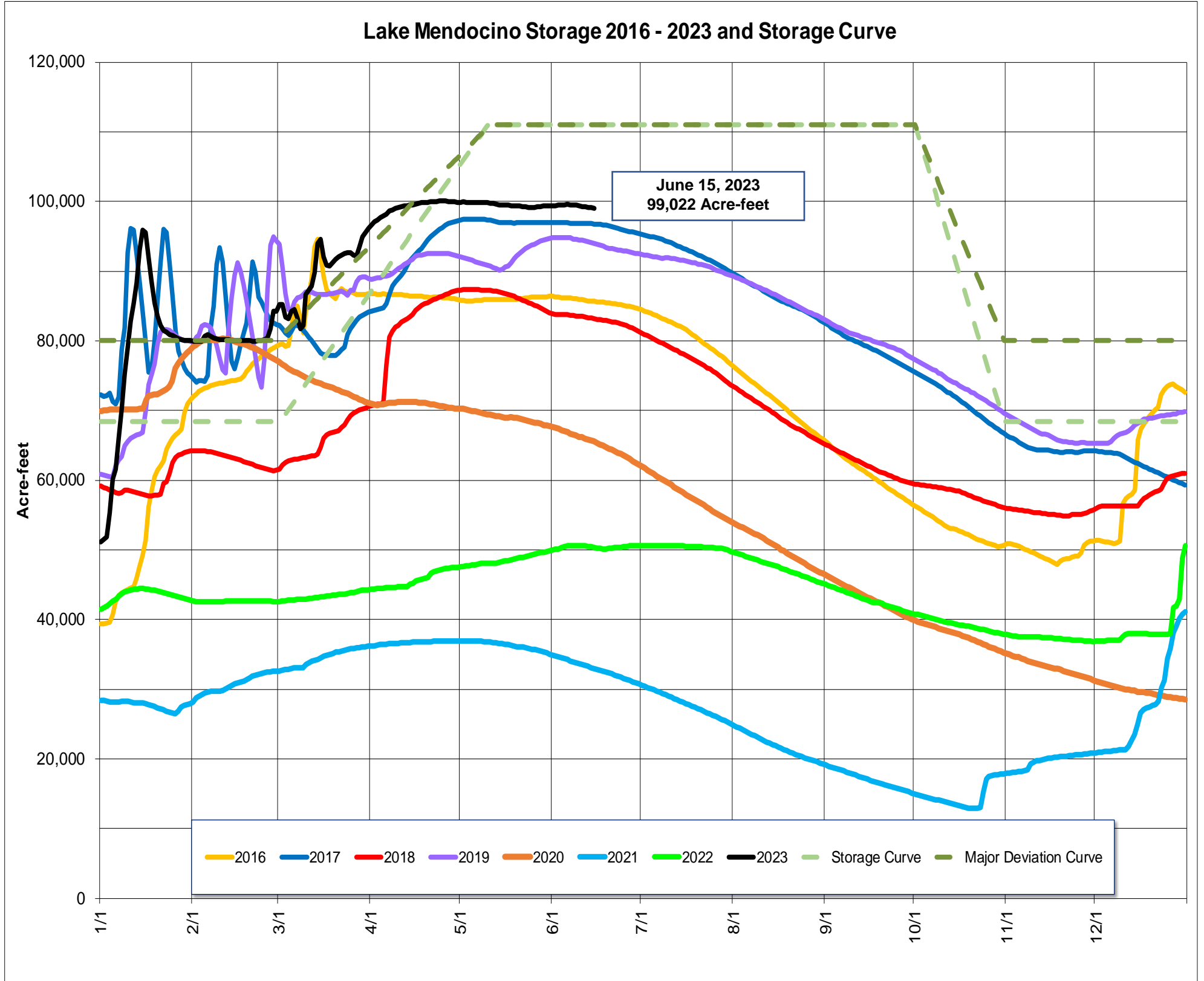
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of June 15, 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

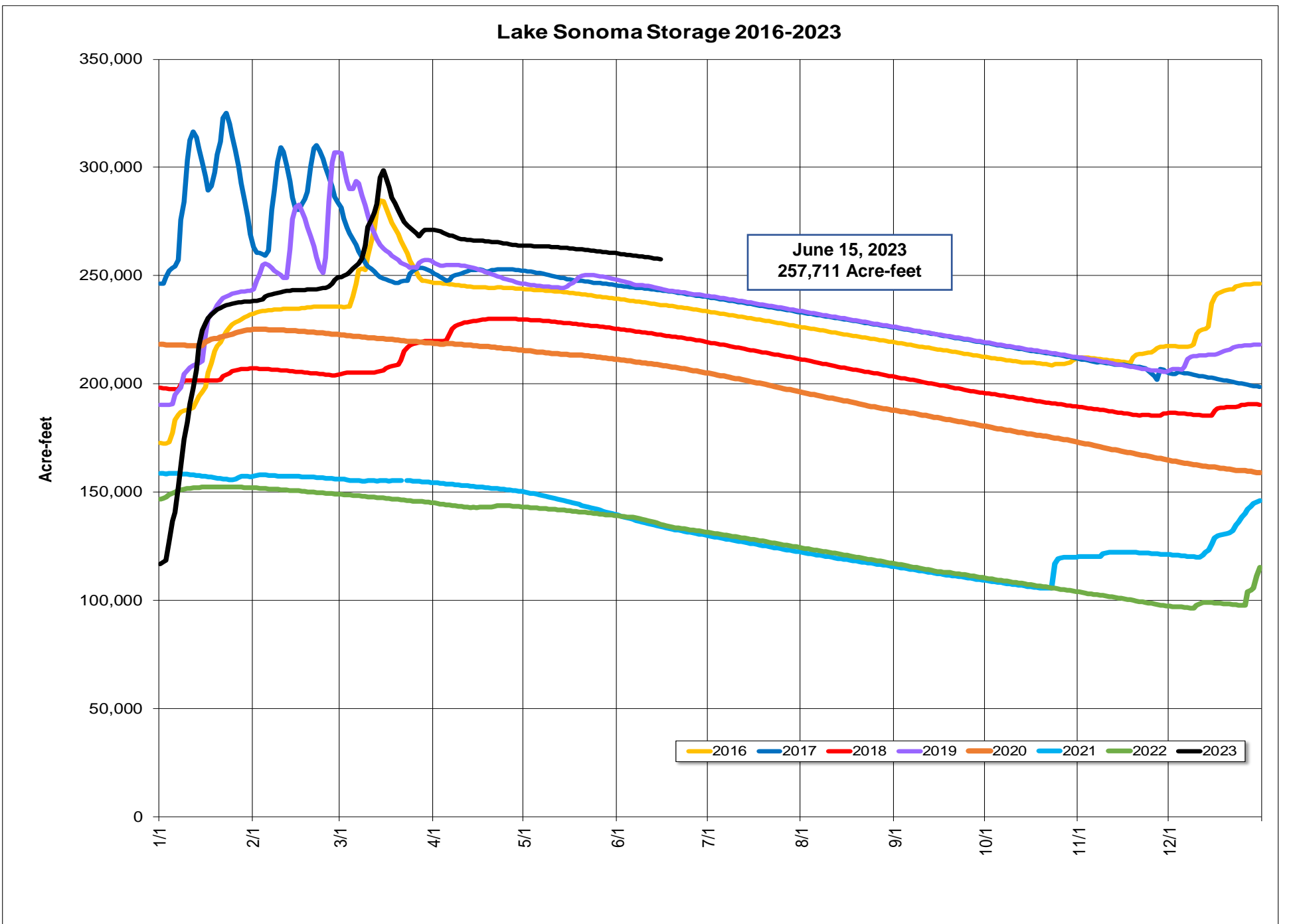


Storage (acre-feet)	June 15, 2023	99,022	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-463	-15
	Last 7 days	-446	-64
Daily Inflow (cfs)	Last 7 days	Min	88
		Max	107
		Mean	100
Release (cfs)	Last 7 days	Min	116
		Max	125
		Mean	121

Lake Sonoma



Nathan Baskett, March 3, 2011



Storage (acre-feet)	June 15, 2023	257,711	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-4,945	-165
	Last 7 days	-1,093	-156
Daily Inflow (cfs)	Last 7 days	Min	1
		Max	31
		Mean	22
Release (cfs)	Last 7 days	Min	95
		Max	97
		Mean	96

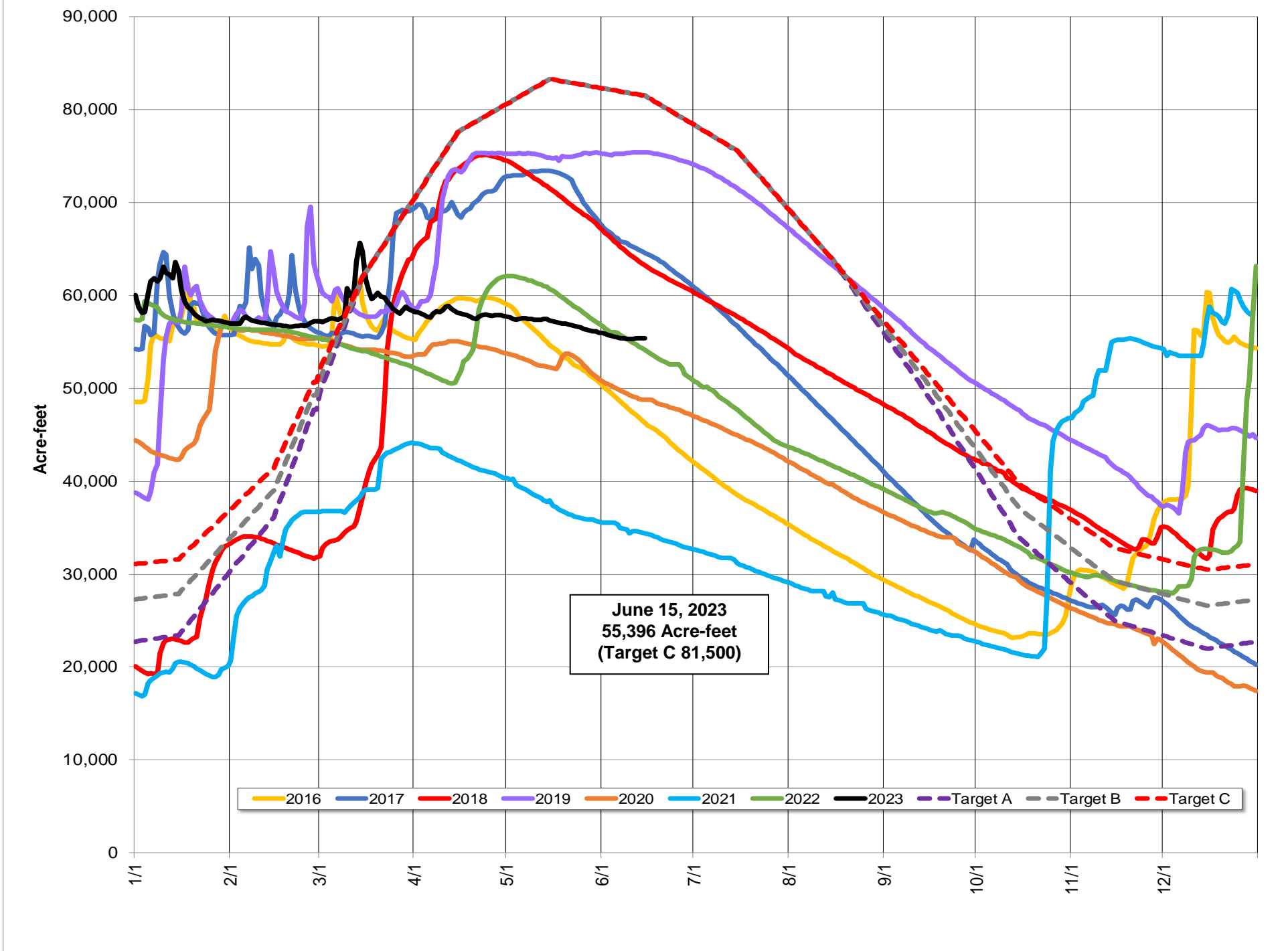
Potter Valley Project

PVP Diversion (cfs)	June 15, 2023	101
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - June 15, 2023	612,011	2,372
	Last 7 days	2,180	311

*Inflow calculation based on criteria established in D1610

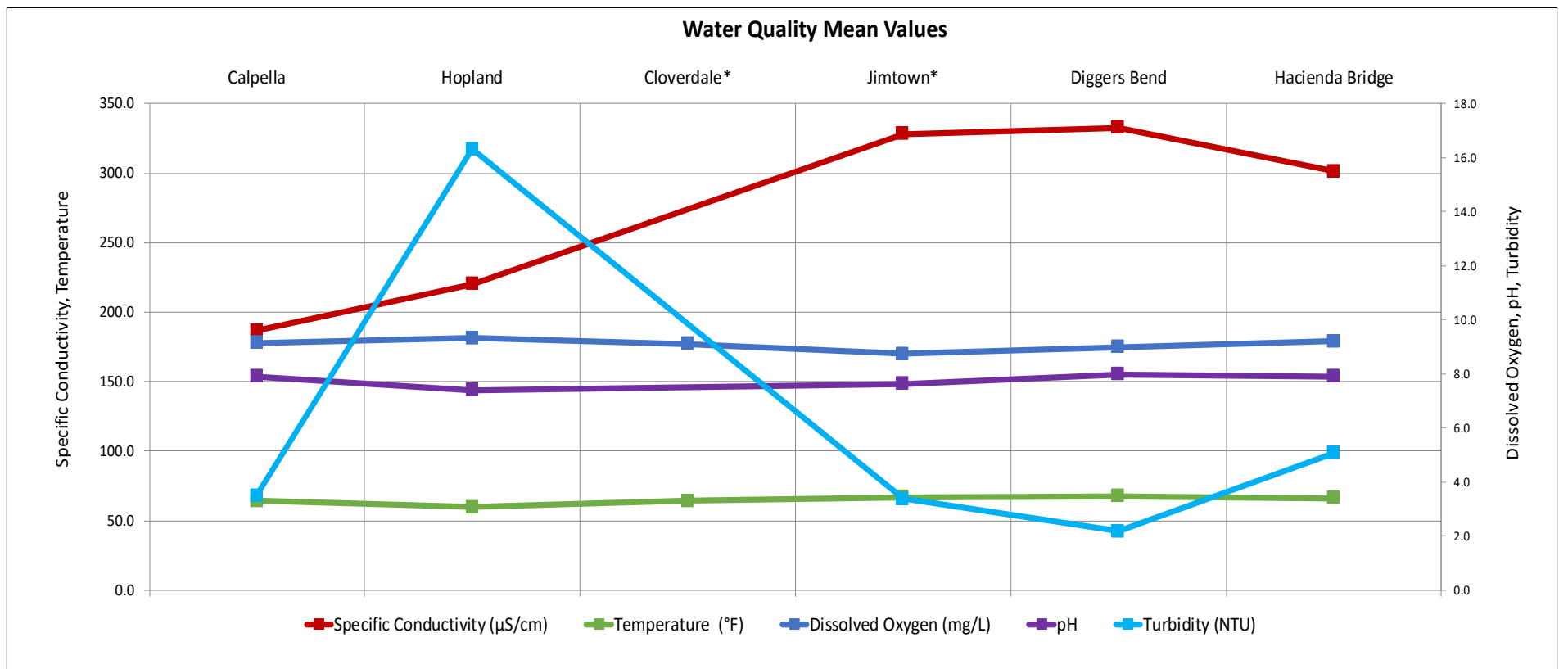
Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



Russian River Flows (June 9, 2023 - June 15, 2023)

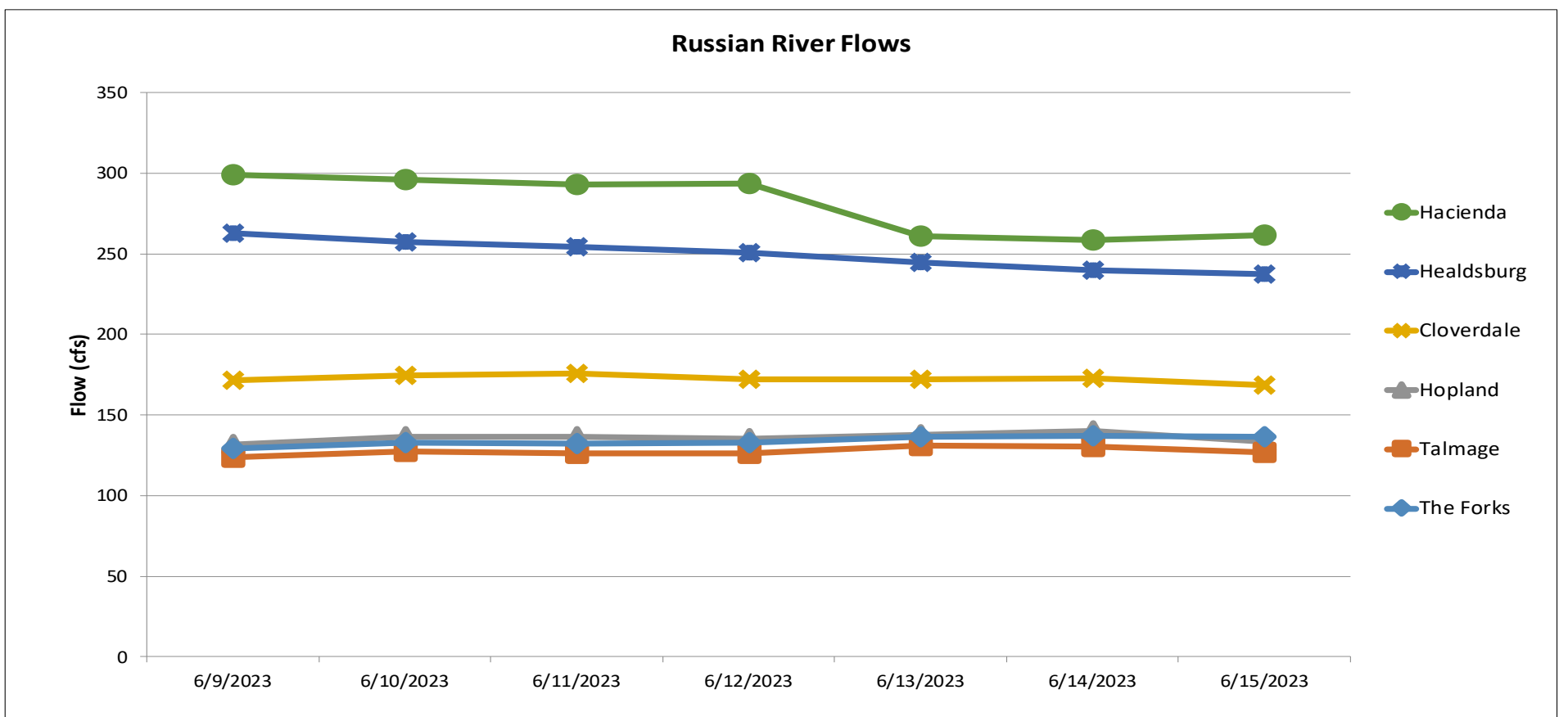
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	60.3	56.8	61.5	64.0	64.0		63.3	
	Max	67.6	62.6	68.4	71.4	72.0		70.0	
	Mean	64.1	59.6	64.4	67.0	67.7		66.1	
Specific Conductivity (µS/cm)	Min	182.0	212.0		321.0	329.0		299.0	
	Max	193.0	224.0		332.0	336.0		307.0	
	Mean	186.7	220.3		328.1	332.6		301.6	
Dissolved Oxygen (mg/L)	Min	8.6	8.8	8.1	7.2	7.5		8.5	
	Max	9.8	10.0	10.4	11.9	10.6		10.2	
	Mean	9.2	9.3	9.1	8.7	9.0		9.2	
Dissolved Oxygen (% Saturation)	Min	92.5	86.5	85.0	77.3	80.7		90.5	
	Max	102.6	103.3	114.2	135.6	121.3		109.7	
	Mean	96.3	93.1	96.3	95.2	98.7		99.2	
pH	Min	7.7	7.3		7.4	7.7		7.7	
	Max	8.1	7.5		8.1	8.4		8.1	
	Mean	7.9	7.4		7.6	8.0		7.9	
Turbidity (NTU)	Min	2.6	14.6		2.9	1.2		3.4	
	Max	5.2	18.4		4.2	3.1		7.7	
	Mean	3.5	16.3		3.4	2.2		5.1	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jun 9, 2023	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023
The Forks*	129	133	132	133	136	137	136
Talmage USGS 11462080	124	128	126	126	131	131	127
Hopland USGS 11462500	131	137	137	135	138	140	133
Cloverdale USGS 11463000	171	175	176	172	172	173	169
Healdsburg USGS 11464000	263	257	254	251	245	240	238
Hacienda USGS 11467000	299	296	293	293	261	259	261

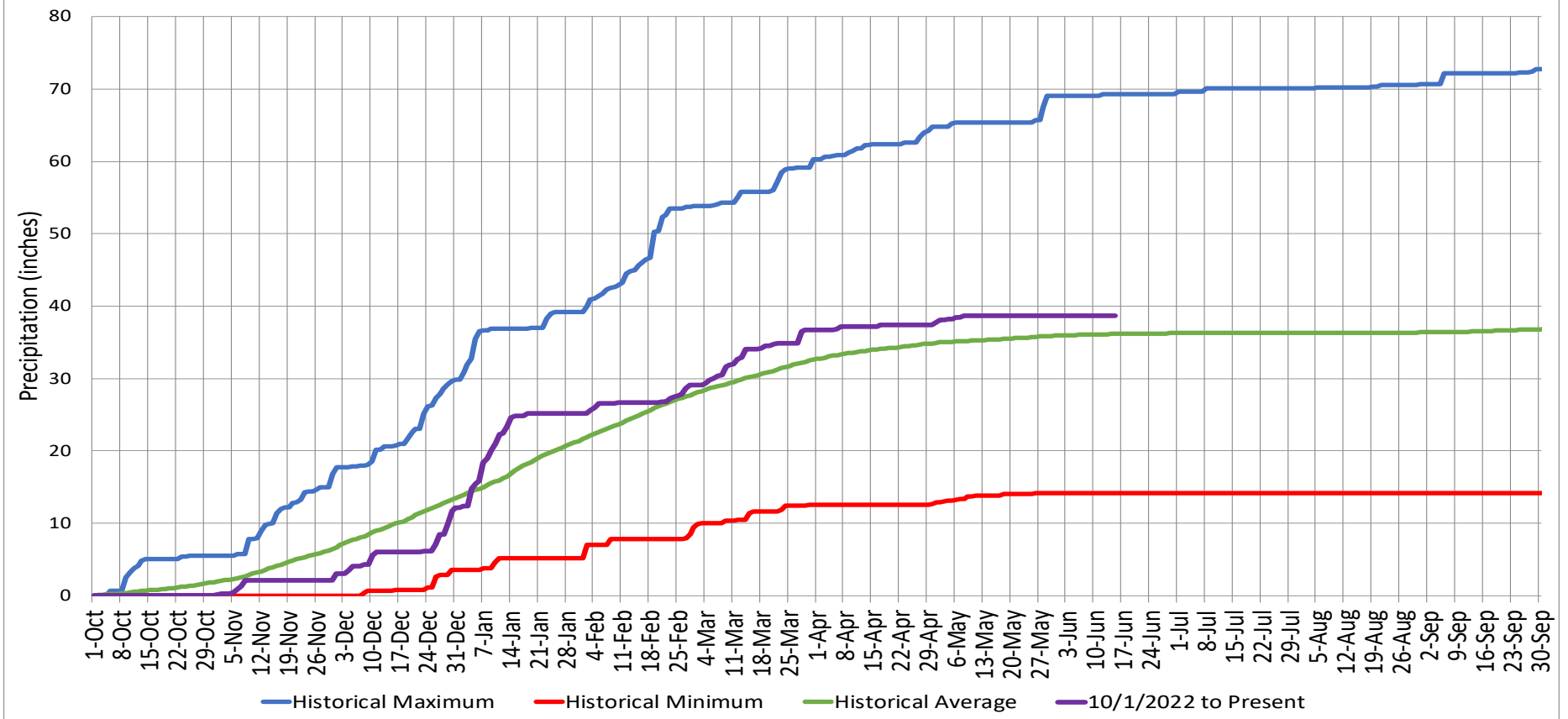
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Precipitation

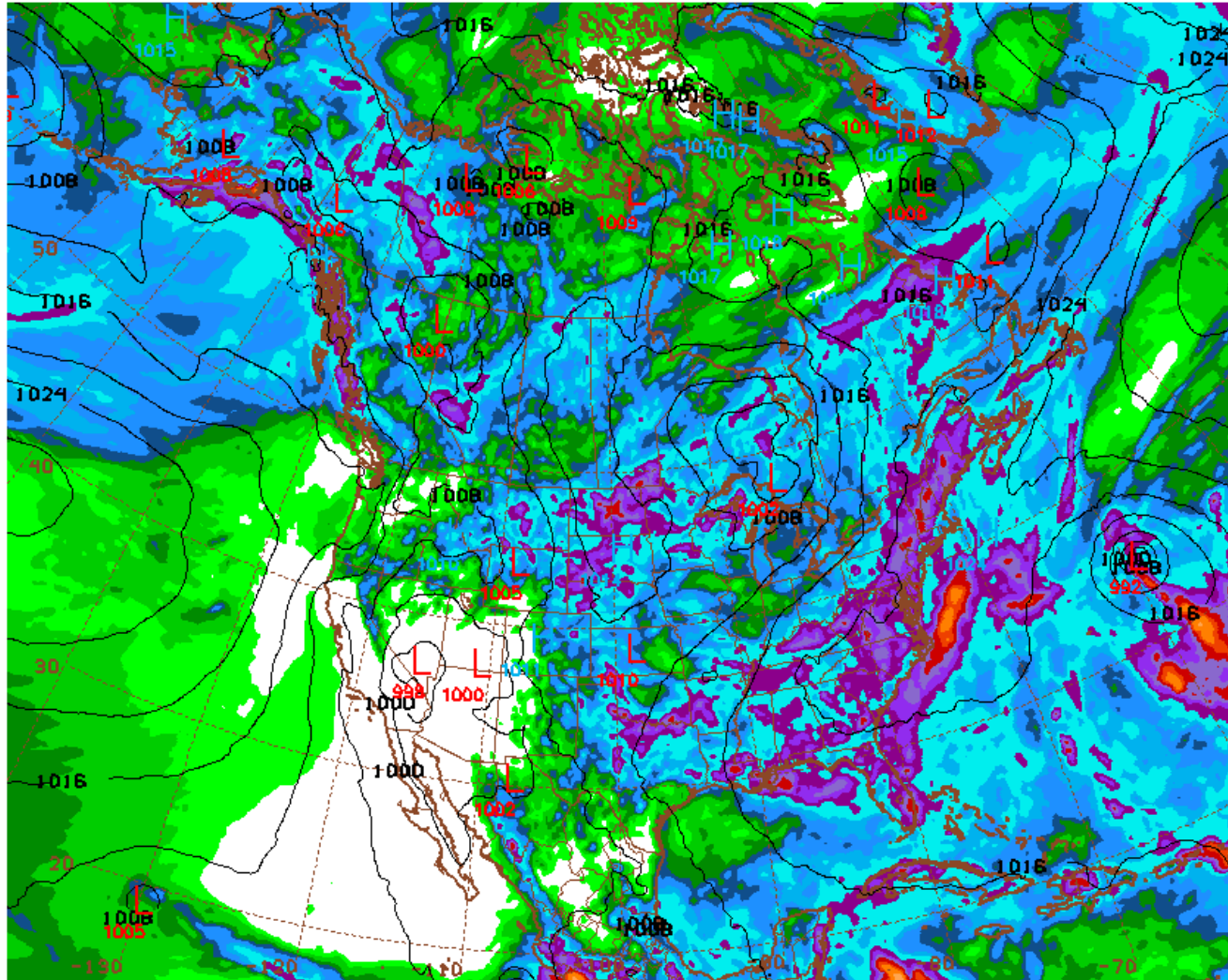
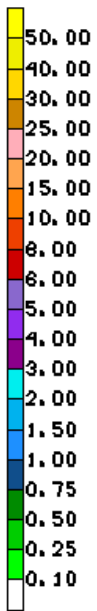
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Jun 15, 2023	38.64
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 06/19/23 12UTC 384HR FCST VALID WED 07/05/23 12UTC NOAA/NWS/NCEP



6FS WED 230705/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)
 Date Range: Jun 19 - Jul 5, 2023
 Forecasted Cumulative (inches): **0.00**