



**State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 August 4, 2023 - August 10, 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).

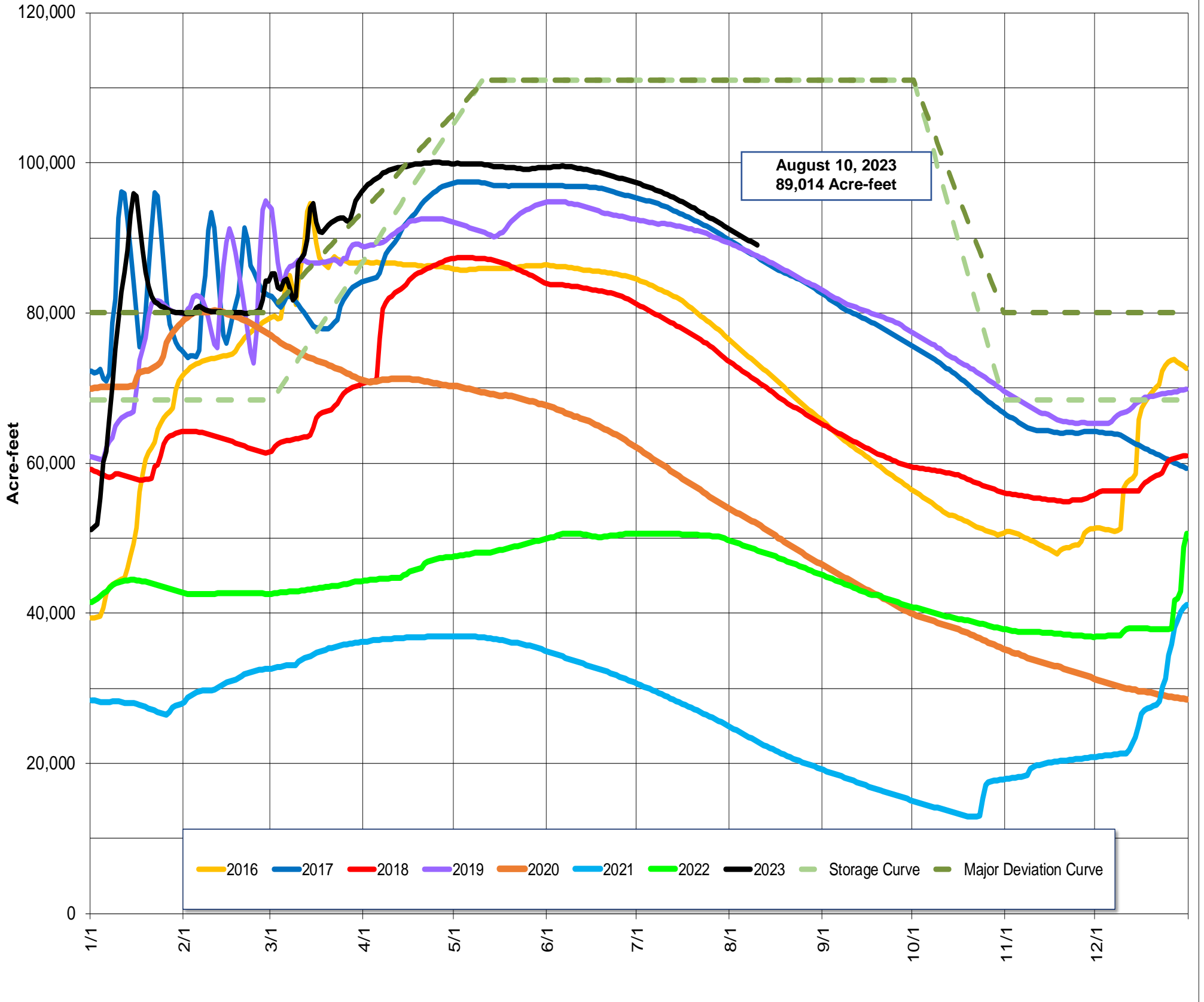
Instream Flow Requirements as of August 10, 2023

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



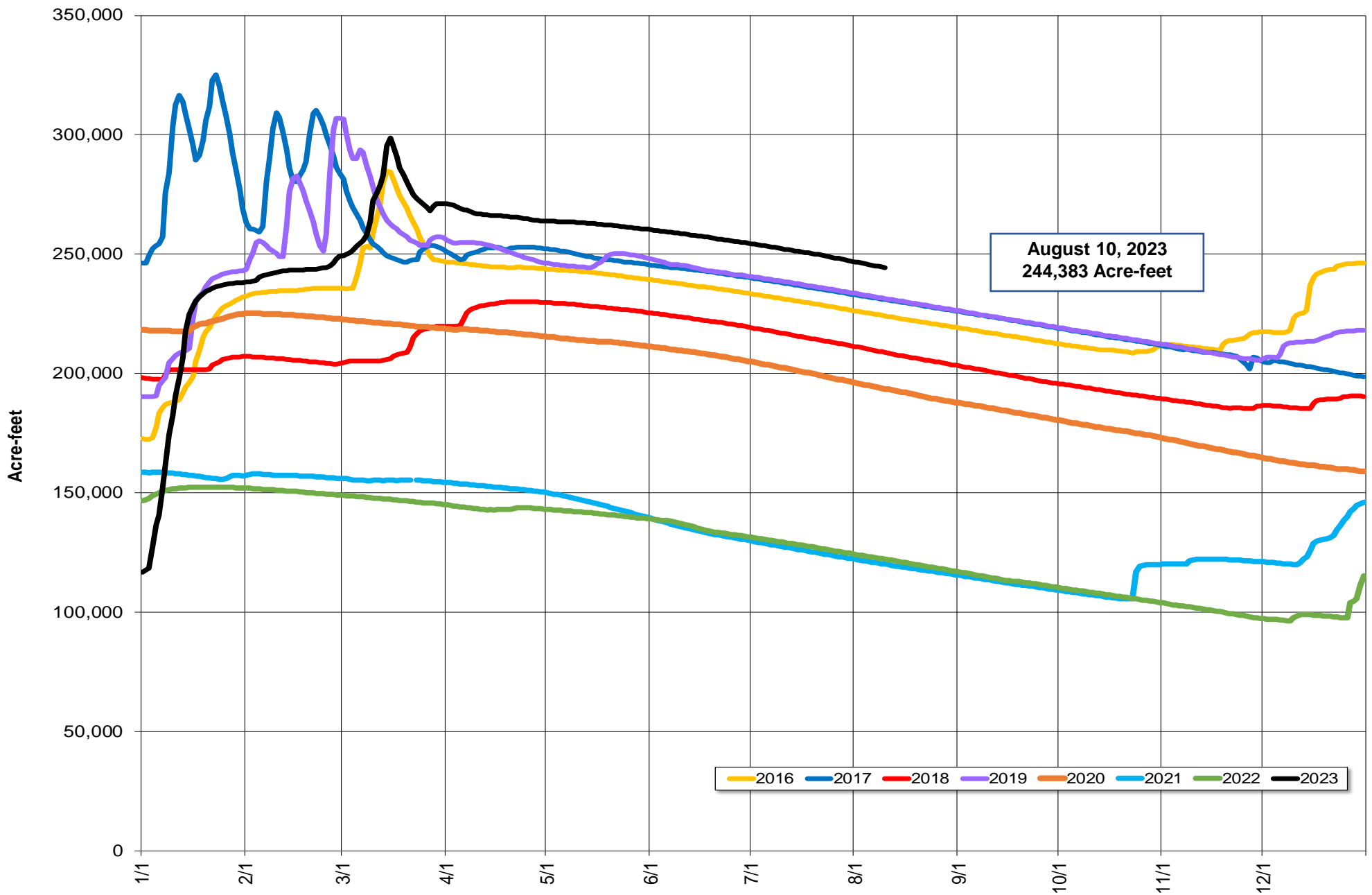
Storage (acre-feet)	August 10, 2023	89,014	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-6,737	-225
	Last 7 days	-1,387	-198
Daily Inflow (cfs)	Last 7 days	Min	76
		Max	100
		Mean	88
Release (cfs)	Last 7 days	Min	177
		Max	202
		Mean	187

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2016-2023



Storage (acre-feet)	August 10, 2023	244,383	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-7,718	-257
	Last 7 days	-1,610	-230
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	24
		Mean	4
Release (cfs)	Last 7 days	Min	106
		Max	107
		Mean	106

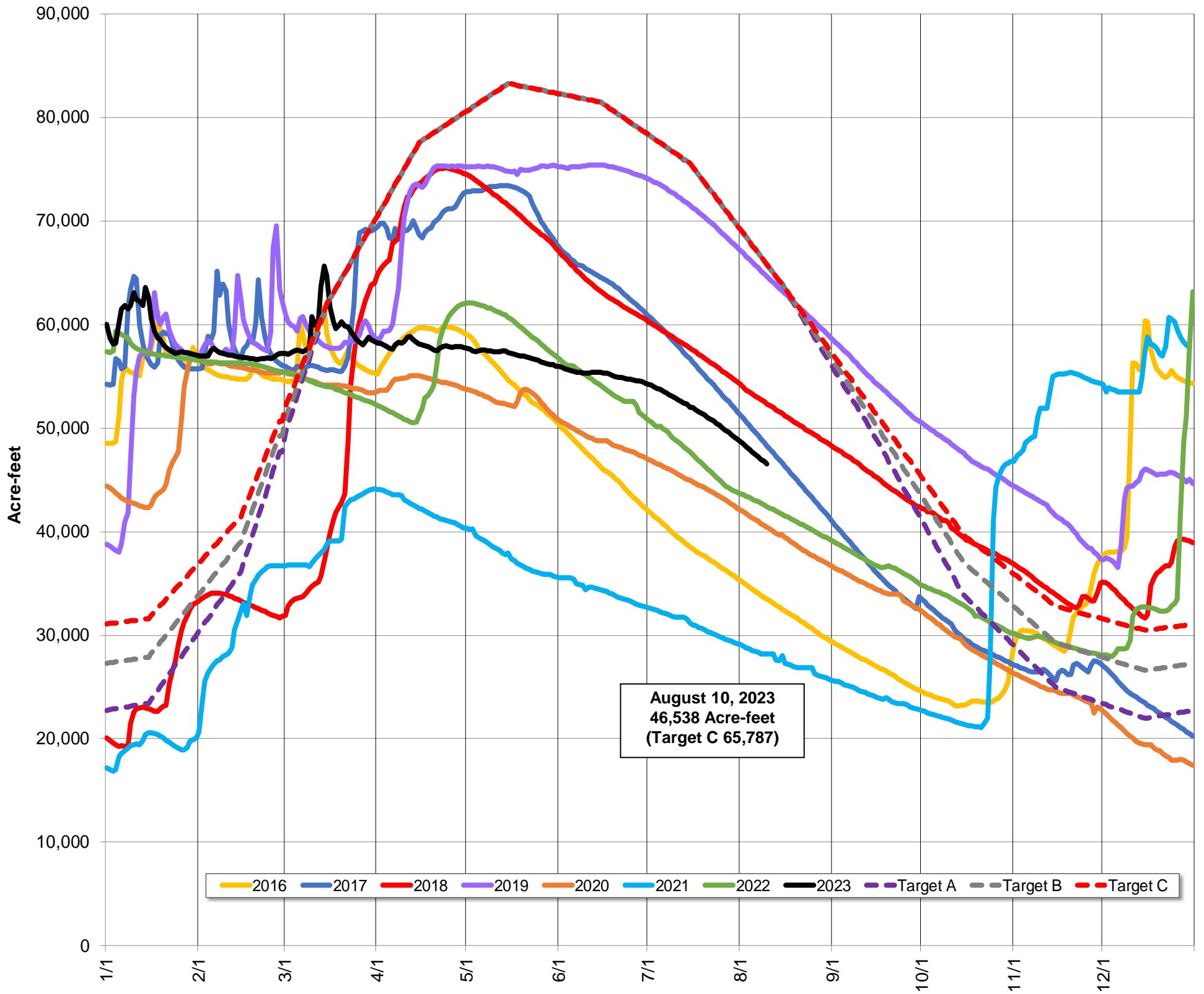
Potter Valley Project

PVP Diversion (cfs)	August 10, 2023	105
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - August 10, 2023	620,174	1,975
	Last 7 days	392	56

*Inflow calculation based on criteria established in D1610

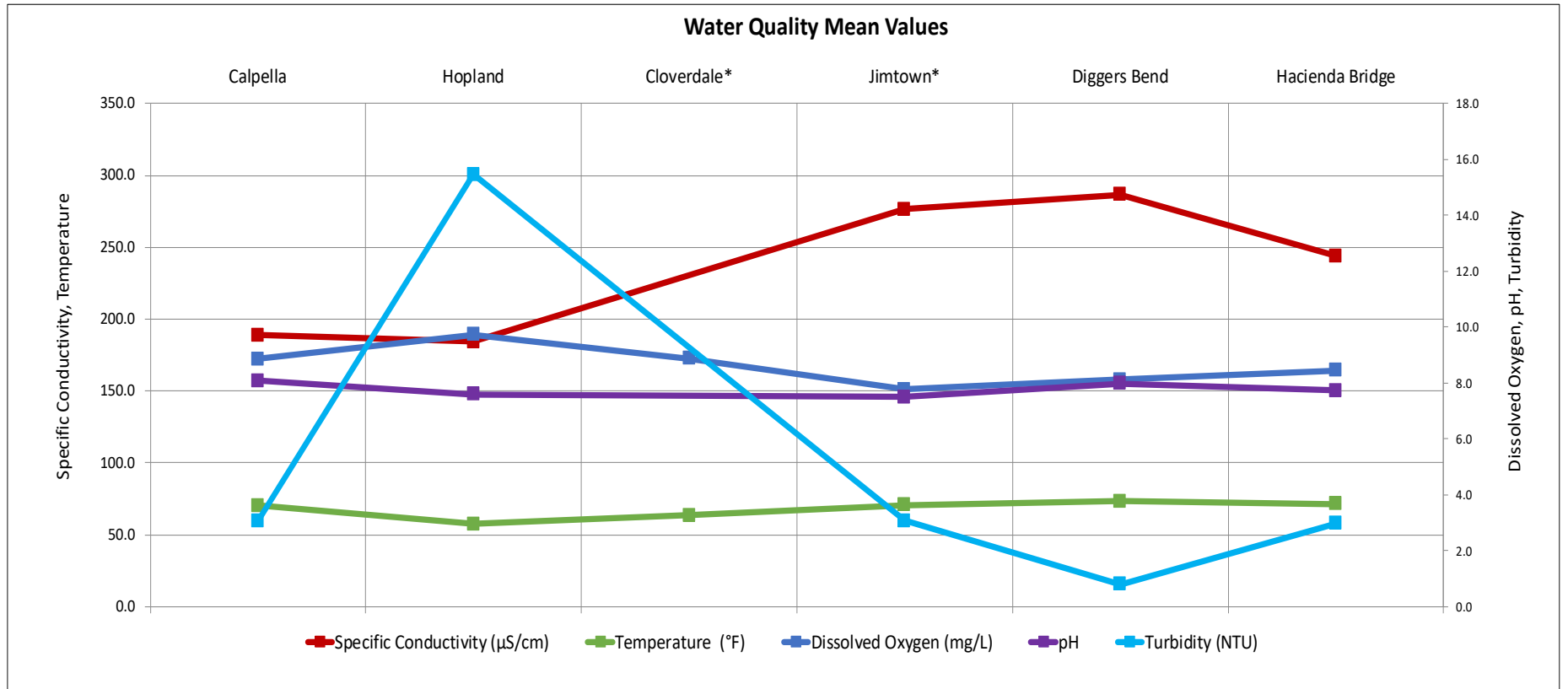
Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



Russian River Flows (August 4, 2023 - August 10, 2023)

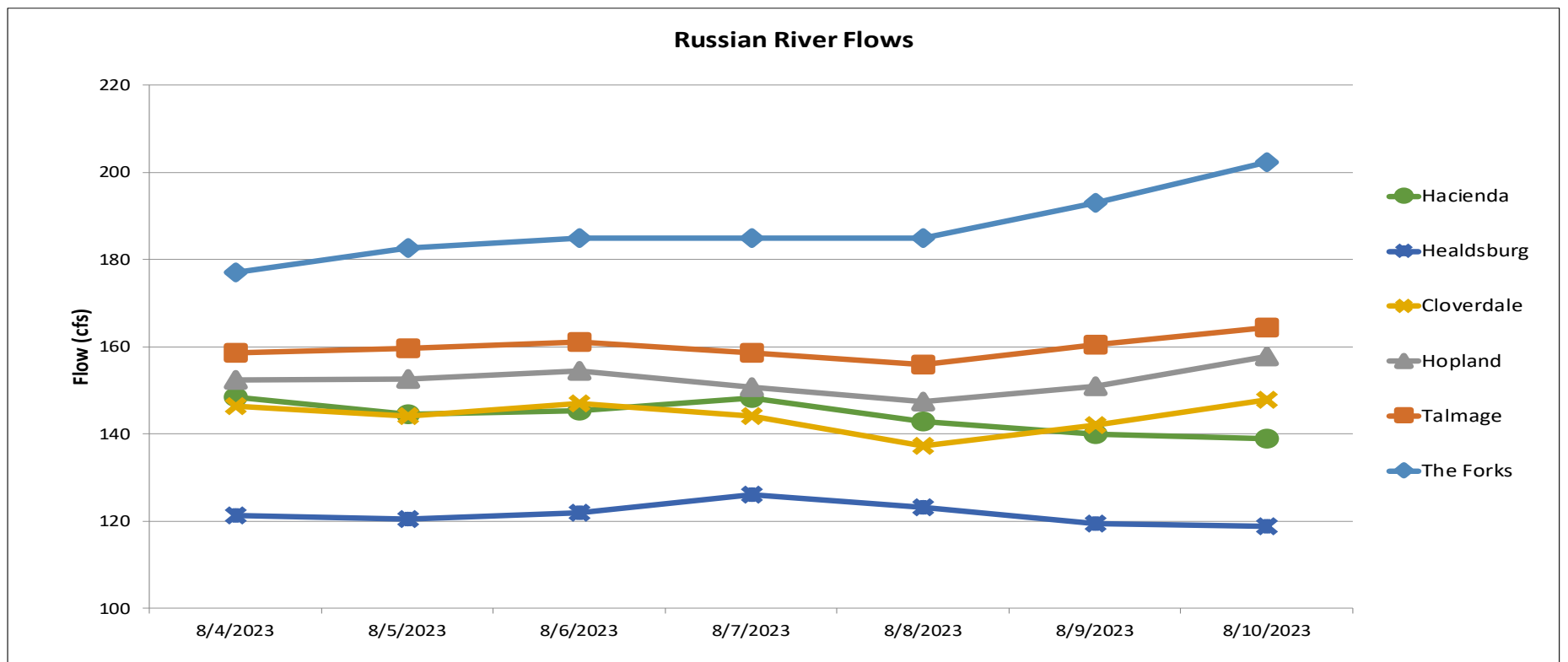
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	66.9	55.4	60.8	66.7	68.7		67.6	
	Max	72.9	59.4	67.1	75.9	78.6		75.9	
	Mean	70.3	57.4	63.6	70.7	73.3		71.6	
Specific Conductivity (µS/cm)	Min	185.0	183.0		274.0	284.0		242.0	
	Max	194.0	185.0		278.0	289.0		247.0	
	Mean	189.0	184.4		276.5	286.8		244.0	
Dissolved Oxygen (mg/L)	Min	8.4	9.2	7.7	6.5	7.3		7.0	
	Max	9.6	10.5	10.6	9.7	8.8		9.6	
	Mean	8.9	9.7	8.9	7.8	8.1		8.5	
Dissolved Oxygen (% Saturation)	Min	95.3	88.2	79.5	72.0	81.7		78.2	
	Max	108.9	103.7	113.4	113.2	105.3		111.7	
	Mean	99.9	94.7	92.9	88.2	94.7		96.8	
pH	Min	8.0	7.5		7.3	7.8		7.5	
	Max	8.3	7.8		7.7	8.2		8.0	
	Mean	8.1	7.6		7.5	8.0		7.7	
Turbidity (NTU)	Min	1.7	14.0		2.4	0.0		2.1	
	Max	4.9	17.2		7.0	1.4		4.2	
	Mean	3.1	15.5		3.1	0.8		3.0	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Aug 4, 2023	Aug 5, 2023	Aug 6, 2023	Aug 7, 2023	Aug 8, 2023	Aug 9, 2023	Aug 10, 2023
The Forks*	177	183	185	185	185	193	202
Talmage USGS 11462080	159	160	161	159	156	161	164
Hopland USGS 11462500	152	153	155	151	147	151	158
Cloverdale USGS 11463000	146	144	147	144	137	142	148
Healdsburg USGS 11464000	121	120	122	126	123	119	119
Hacienda USGS 11467000	148	145	145	148	143	140	139

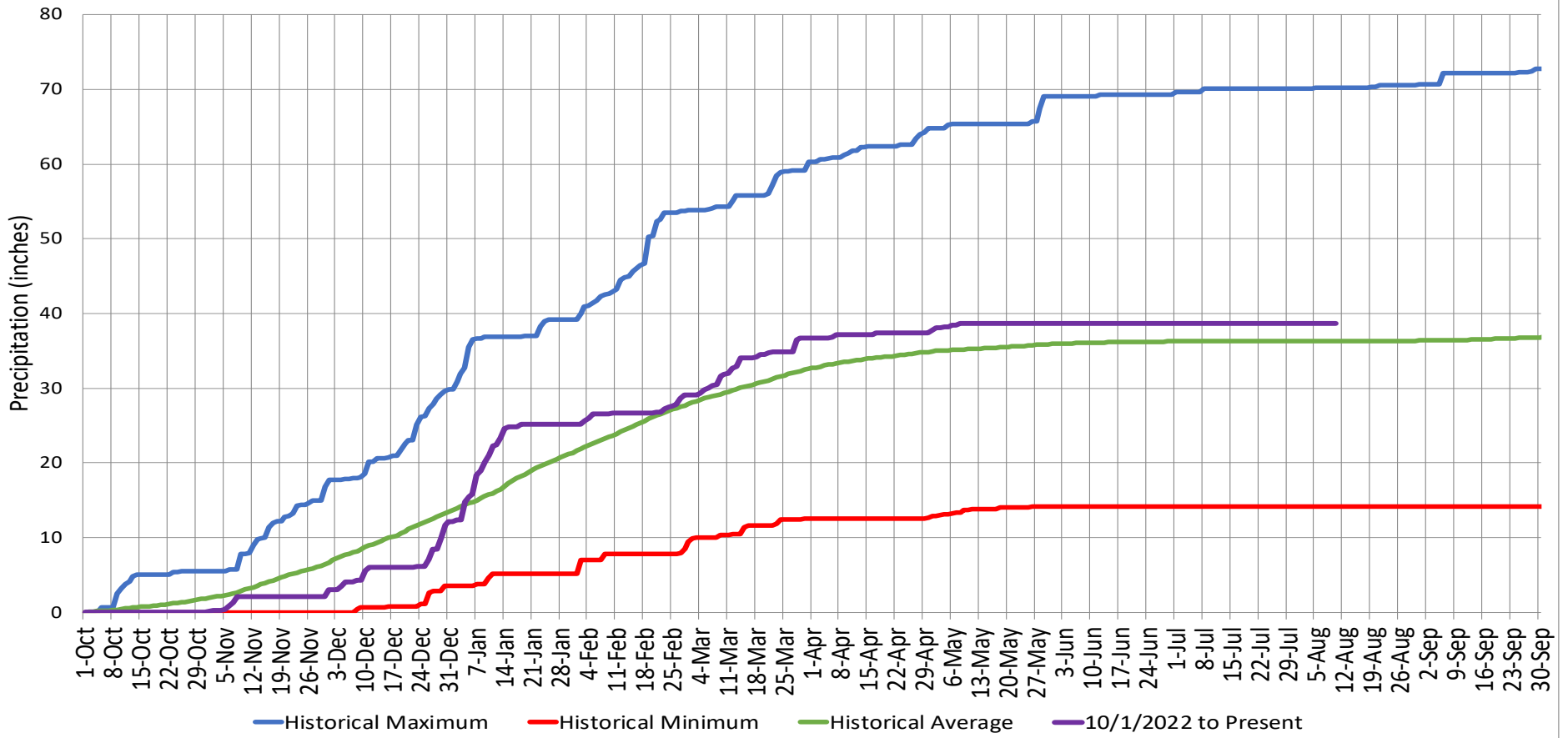
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



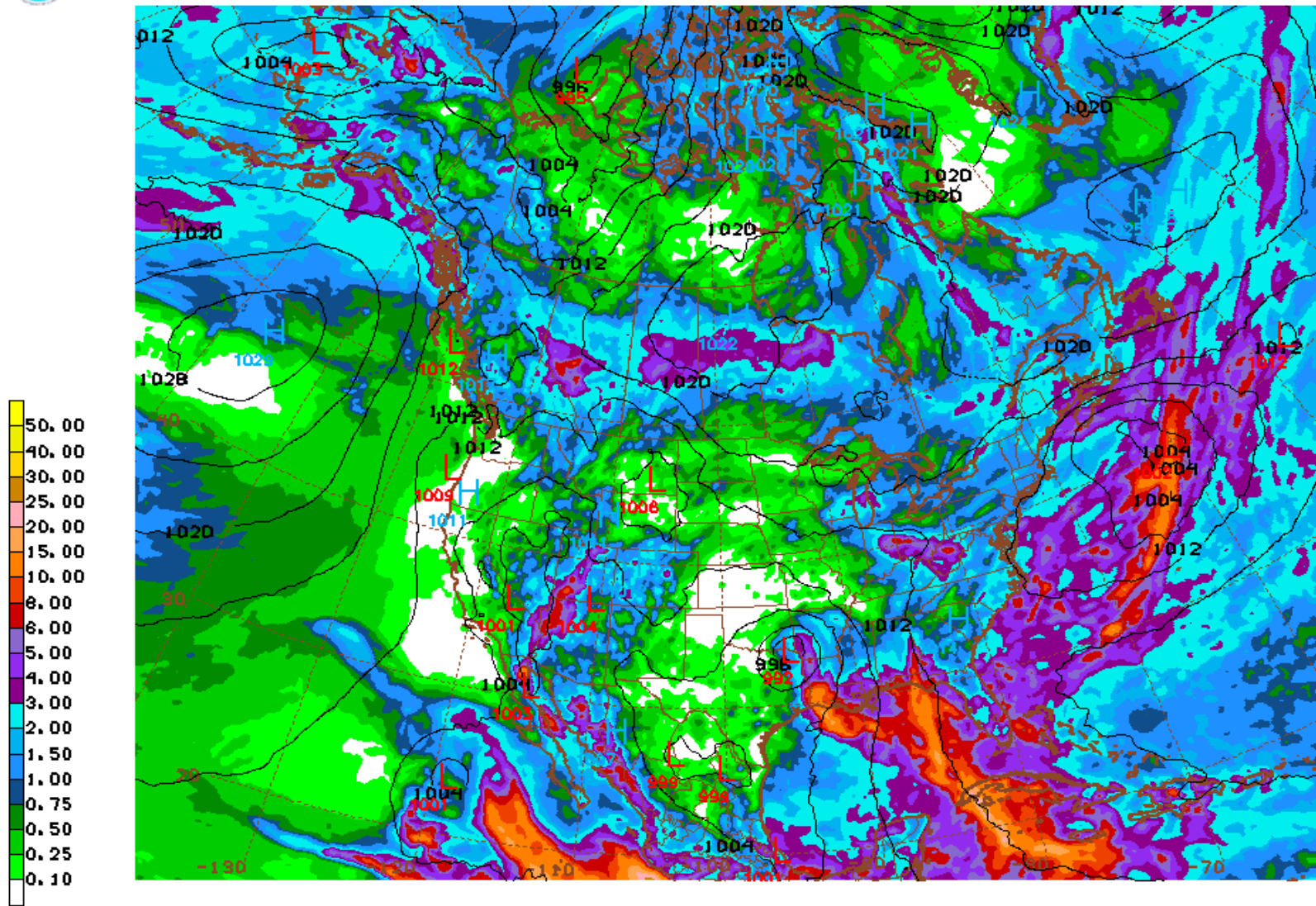
Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Aug 10, 2023	38.64
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 08/14/23 12UTC 384HR FCST VALID WED 08/30/23 12UTC NOAA/NWS/NCEP



6FS WED 230830/1200V384 ENSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Aug 14 - Aug 30, 2023

Forecasted Cumulative (inches)
0.00