



**State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 June 30, 2023 - July 6, 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).

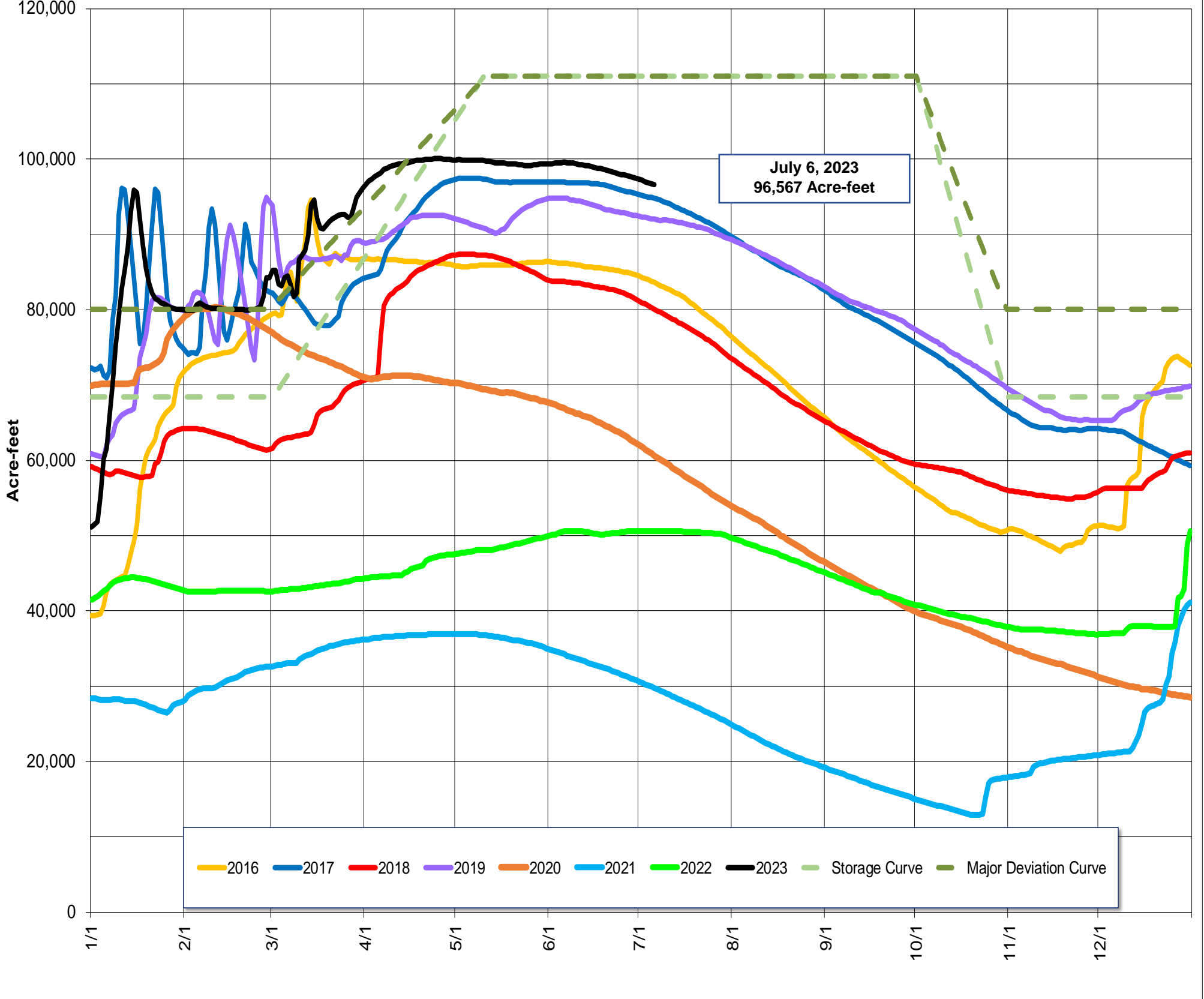
Instream Flow Requirements as of July 6, 2023

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

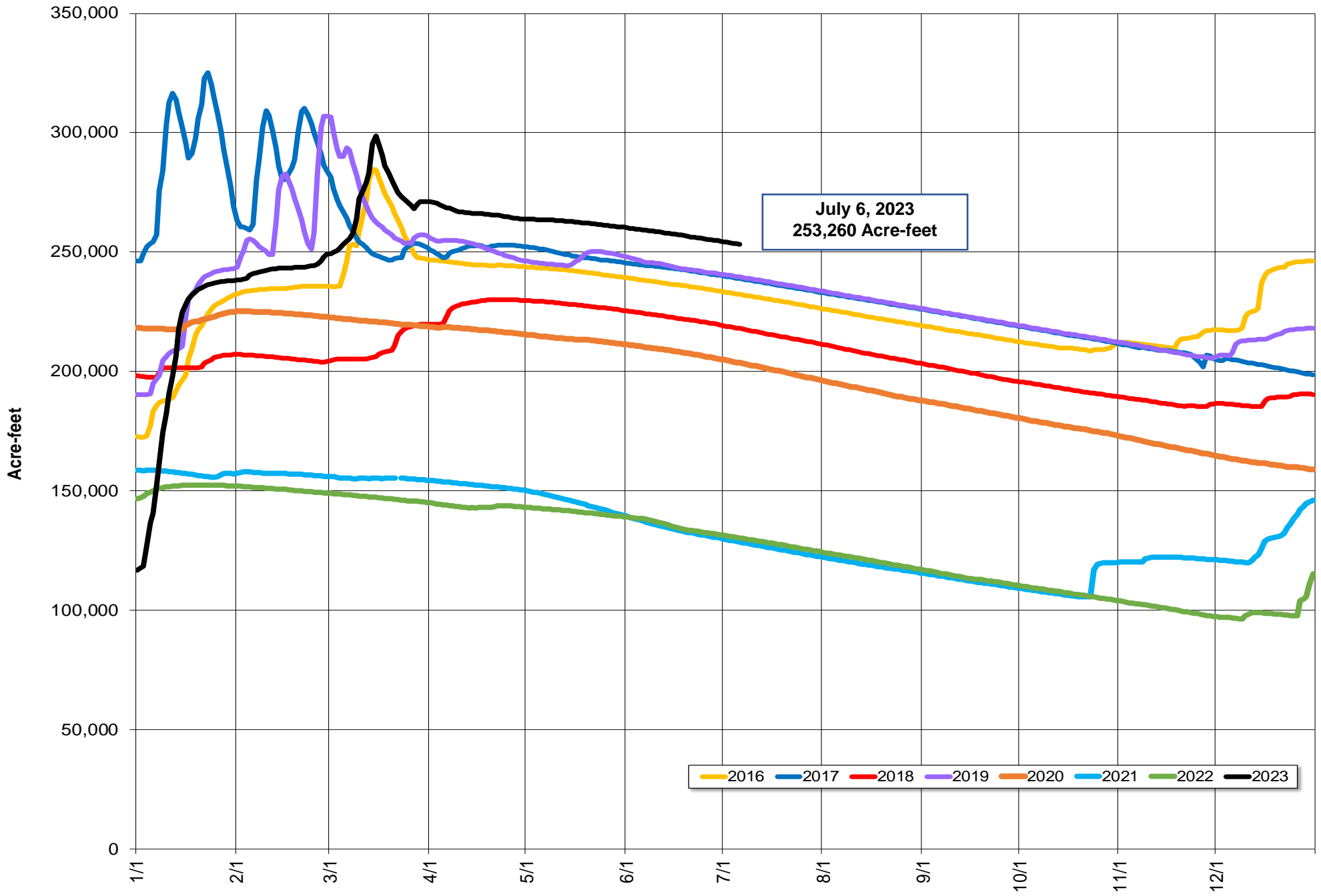


Storage (acre-feet)	July 6, 2023	96,567	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,008	-100
	Last 7 days	-870	-124
Daily Inflow (cfs)	Last 7 days	Min	72
		Max	100
		Mean	89
Release (cfs)	Last 7 days	Min	134
		Max	144
		Mean	141

Lake Sonoma



Lake Sonoma Storage 2016-2023



Storage (acre-feet)	July 6, 2023	253,260	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-6,037	-201
	Last 7 days	-1,351	-193
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	21
		Mean	6
Release (cfs)	Last 7 days	Min	93
		Max	94
		Mean	94

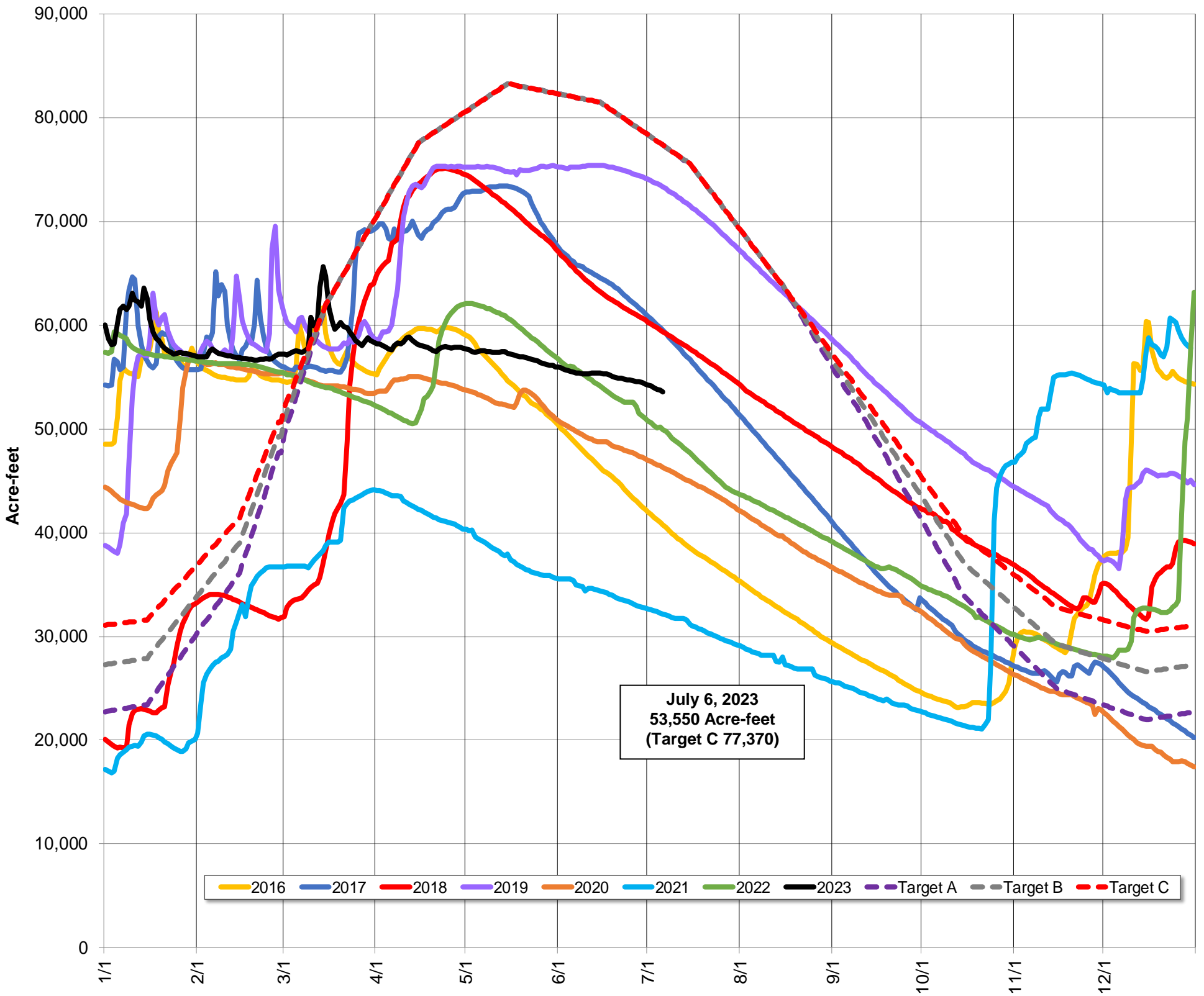
Potter Valley Project

PVP Diversion (cfs)	July 6, 2023	110
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - July 6, 2023	616,705	2,210
	Last 7 days	1,054	151

*Inflow calculation based on criteria established in D1610

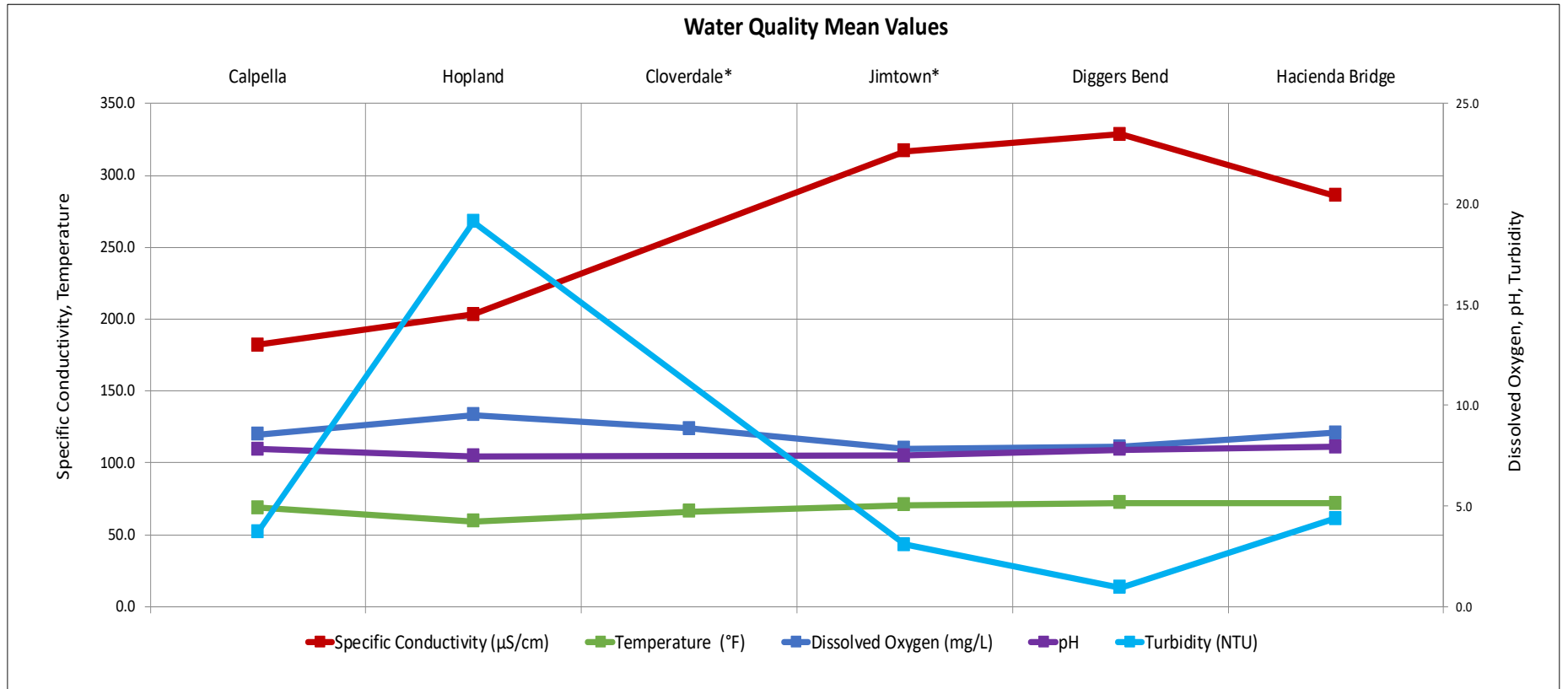
Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



Russian River Flows (June 30, 2023 - July 6, 2023)

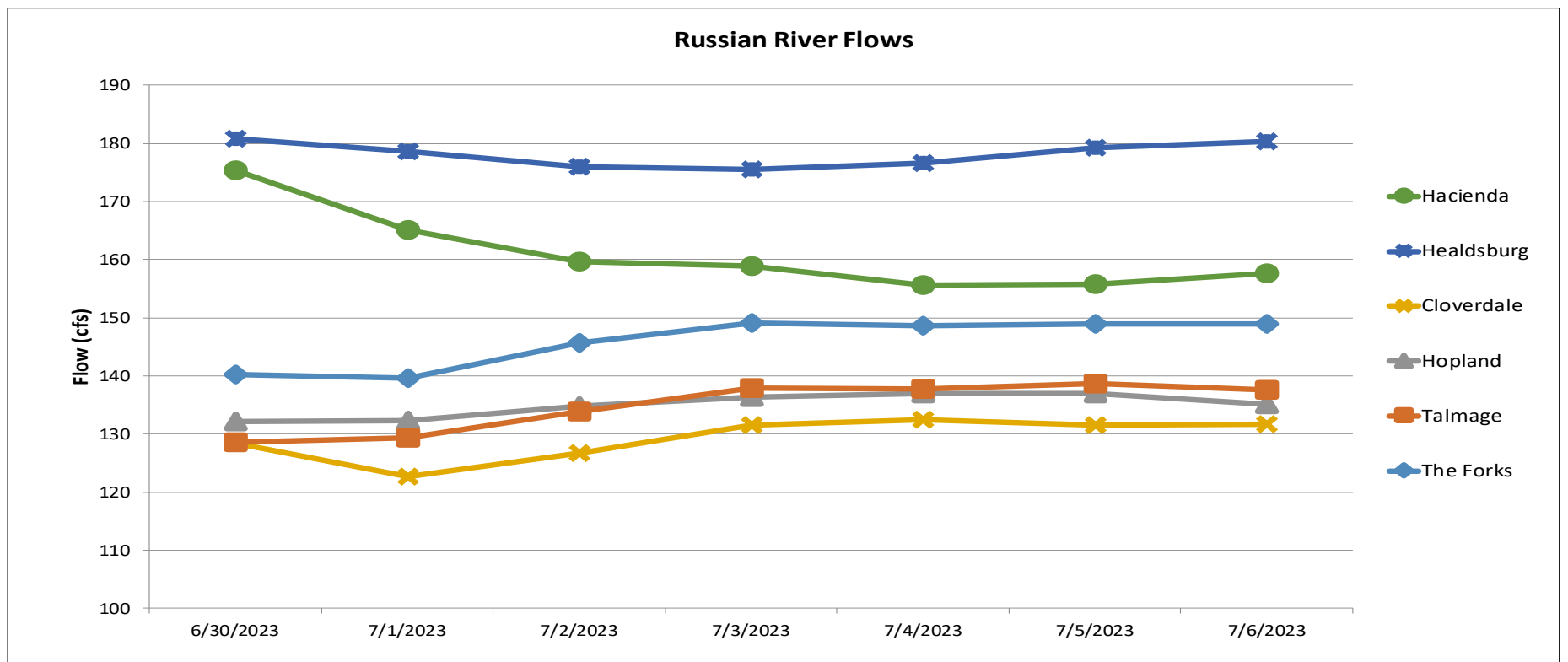
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	65.8	57.4	62.4	66.4	67.3		67.3	
	Max	71.6	62.6	71.2	76.8	78.3		76.8	
	Mean	68.7	59.4	66.1	70.8	72.3		71.7	
Specific Conductivity (µS/cm)	Min	176.0	201.0		307.0	320.0		282.0	
	Max	188.0	210.0		325.0	333.0		289.0	
	Mean	182.2	203.2		316.9	328.5		285.8	
Dissolved Oxygen (mg/L)	Min	8.1	8.9	7.8	6.4	6.8		7.5	
	Max	9.2	10.3	10.2	9.8	9.2		9.9	
	Mean	8.6	9.5	8.8	7.8	7.9		8.6	
Dissolved Oxygen (% Saturation)	Min	90.7	87.1	83.5	71.3	76.2		85.5	
	Max	102.7	104.9	114.8	113.6	106.6		116.3	
	Mean	94.7	94.9	95.3	89.1	91.5		99.1	
pH	Min	7.7	7.4		7.3	7.6		7.8	
	Max	8.0	7.6		7.7	8.0		8.2	
	Mean	7.8	7.5		7.5	7.8		7.9	
Turbidity (NTU)	Min	2.6	16.9		2.4	0.5		3.0	
	Max	6.1	20.8		3.7	1.8		8.5	
	Mean	3.7	19.1		3.1	1.0		4.4	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jun 30, 2023	Jul 1, 2023	Jul 2, 2023	Jul 3, 2023	Jul 4, 2023	Jul 5, 2023	Jul 6, 2023
The Forks*	140	140	146	149	149	149	149
Talmage USGS 11462080	129	129	134	138	138	139	138
Hopland USGS 11462500	132	132	135	136	137	137	135
Cloverdale USGS 11463000	128	123	127	132	132	131	132
Healdsburg USGS 11464000	181	179	176	175	177	179	180
Hacienda USGS 11467000	175	165	160	159	156	156	158

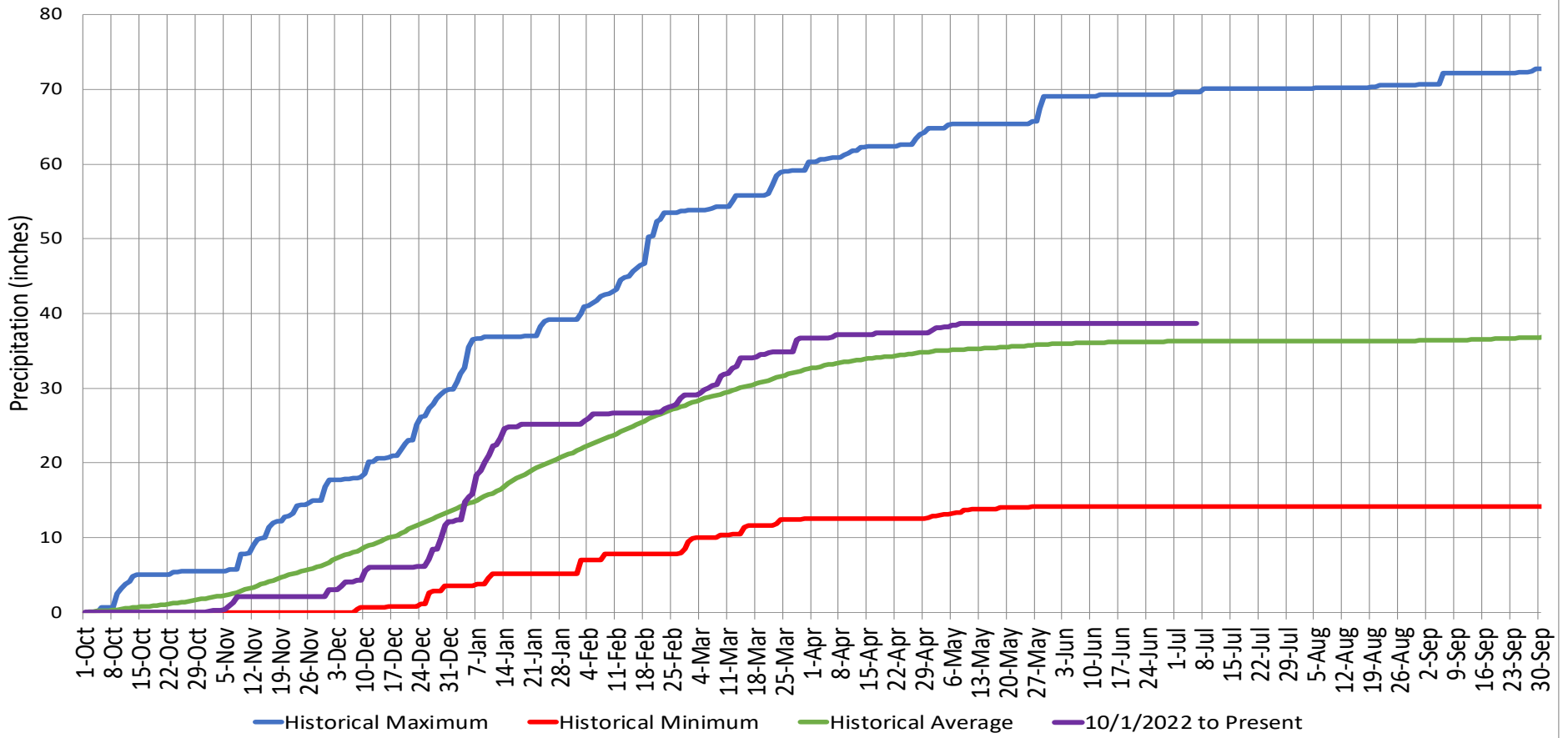
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Precipitation

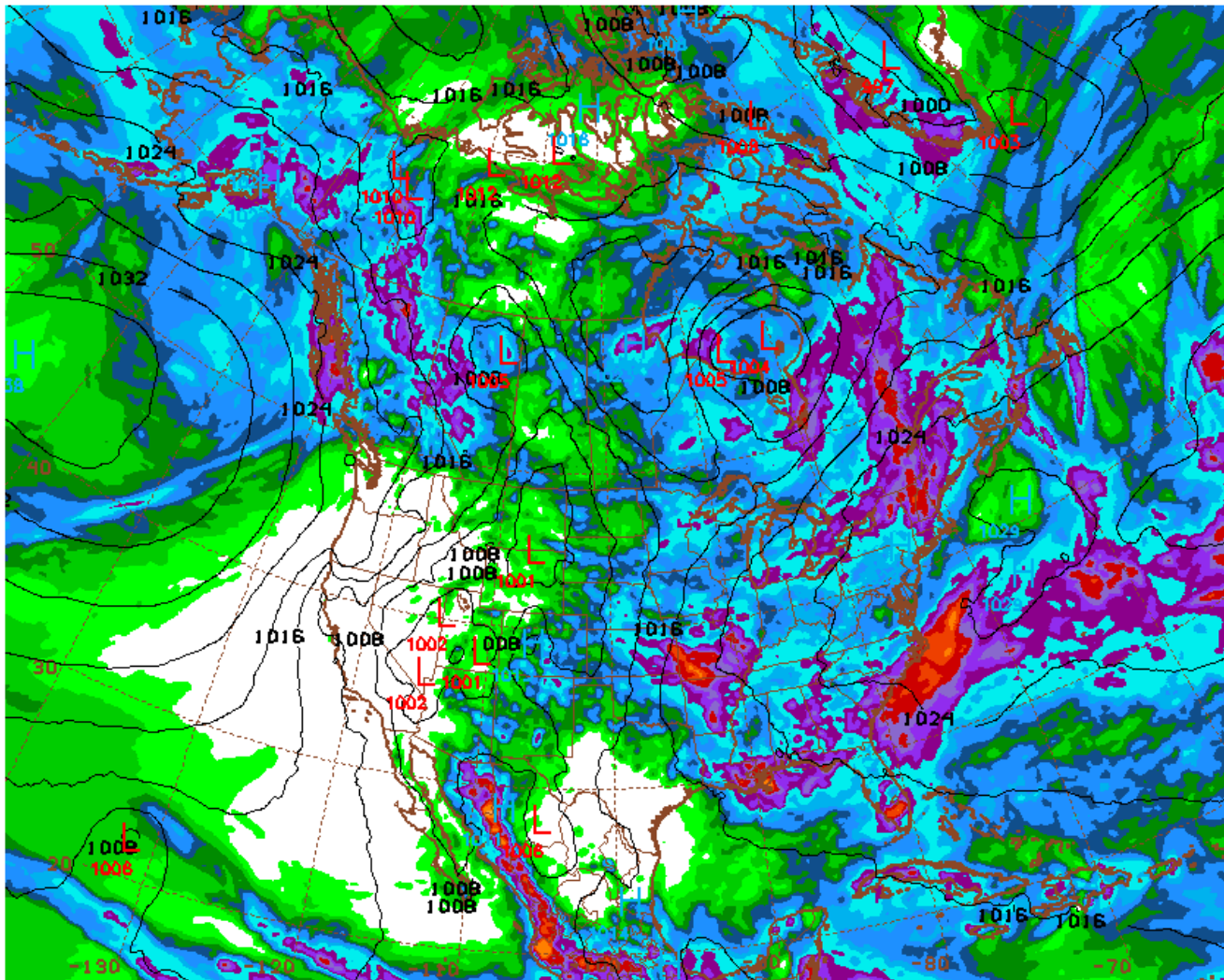
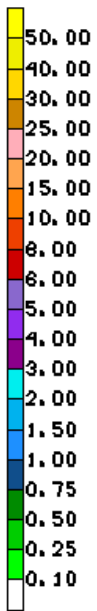
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Jul 6, 2023	38.64
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 07/10/23 12UTC 384HR FCST VALID WED 07/26/23 12UTC NOAA/NWS/NCEP



6FS WED 230726/1200Y384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Jul 10 - Jul 26, 2023

Forecasted Cumulative (inches)
0.00