



**State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 June 23, 2023 - June 29, 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).

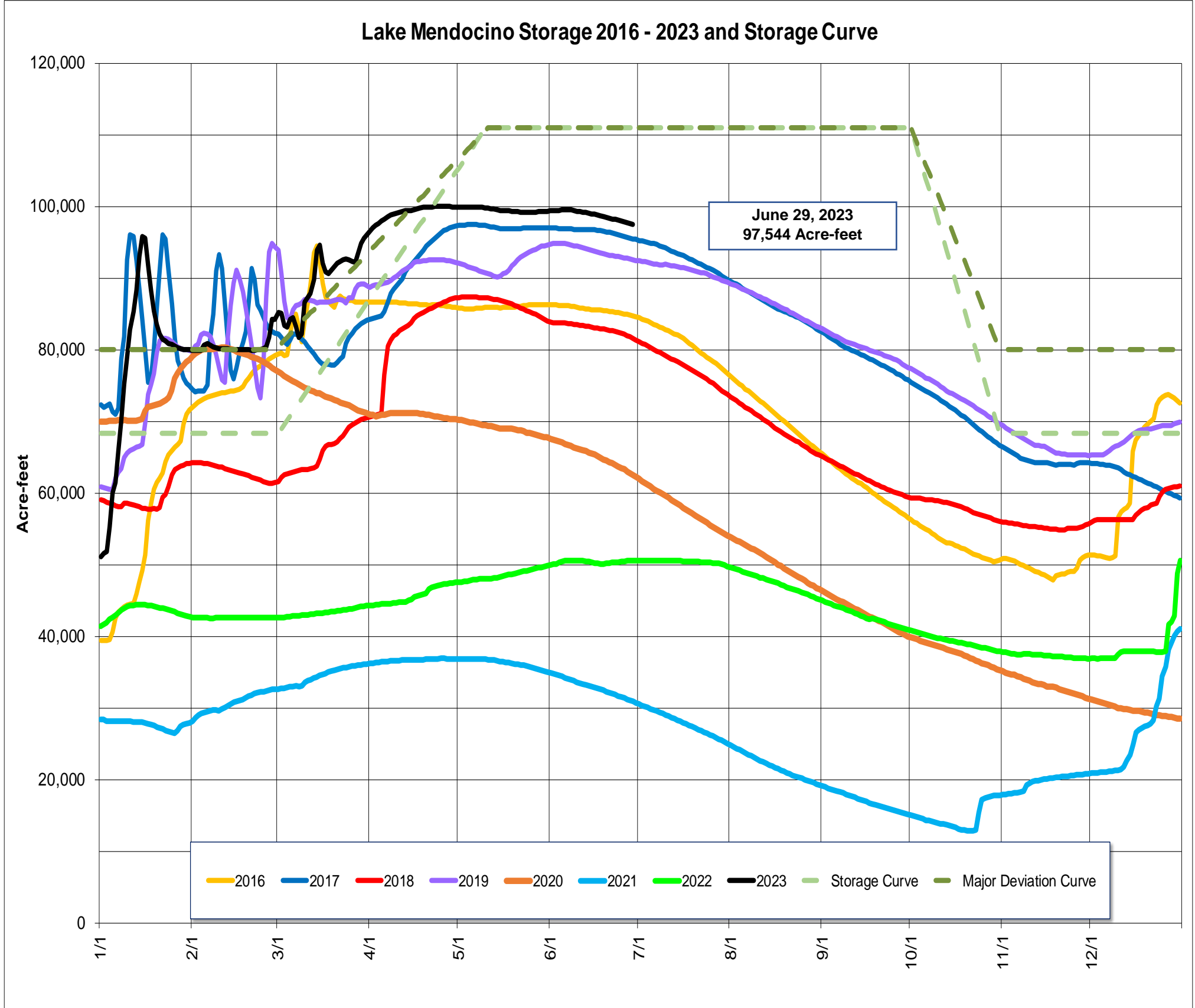
Instream Flow Requirements as of June 29, 2023

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

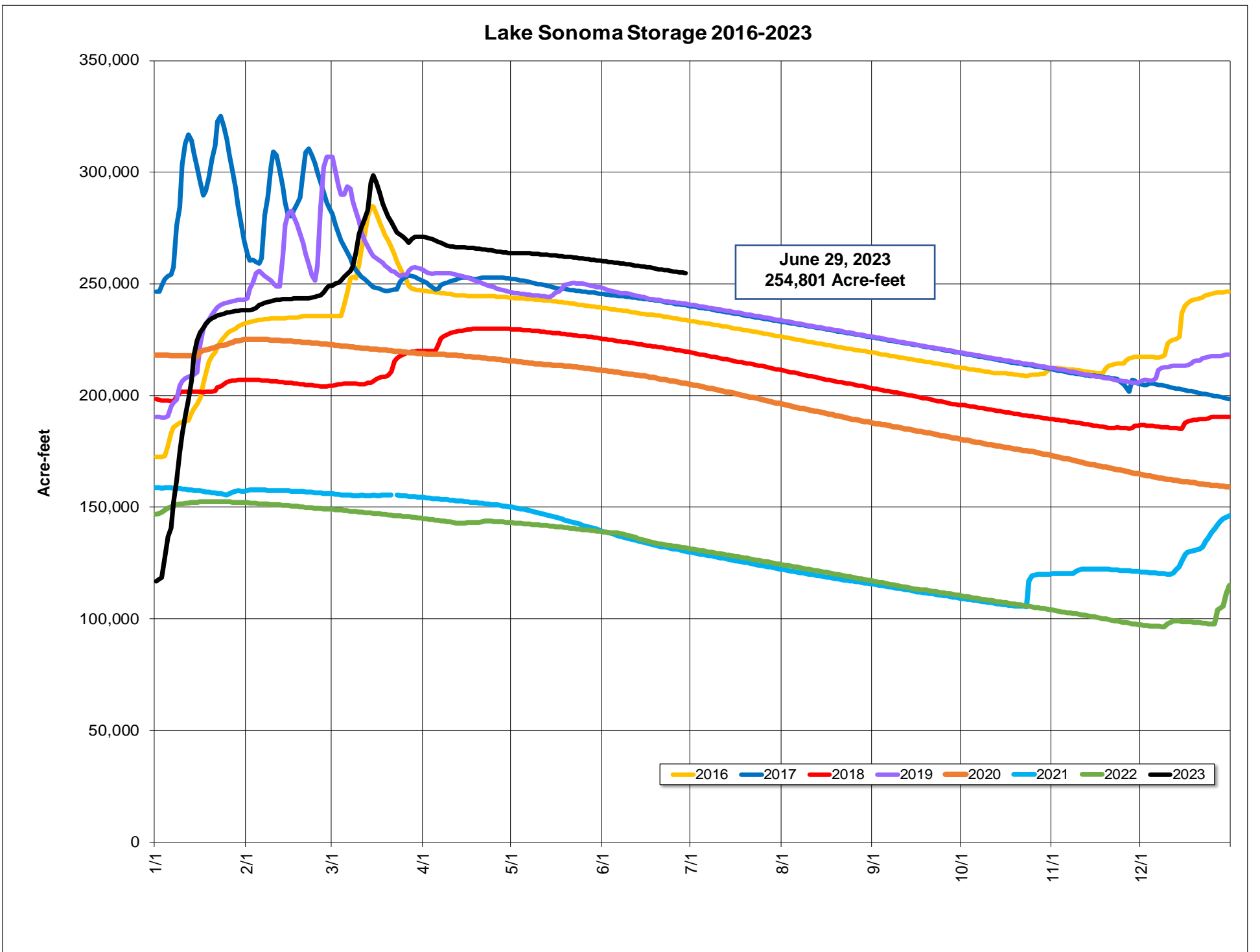


Storage (acre-feet)	June 29, 2023	97,544	
Change in Storage (acre-feet)	Last 30 days	-1,781	-59
	Last 7 days	-676	-97
Daily Inflow (cfs)	Last 7 days	Min	70
		Max	103
		Mean	89
Release (cfs)	Last 7 days	Min	125
		Max	131
		Mean	129

Lake Sonoma



Nathan Baskett, March 3, 2011



Storage (acre-feet)	June 29, 2023	254,801	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-5,759	-192
	Last 7 days	-1,194	-171
Daily Inflow (cfs)	Last 7 days	Min	1
		Max	21
		Mean	13
Release (cfs)	Last 7 days	Min	93
		Max	94
		Mean	93

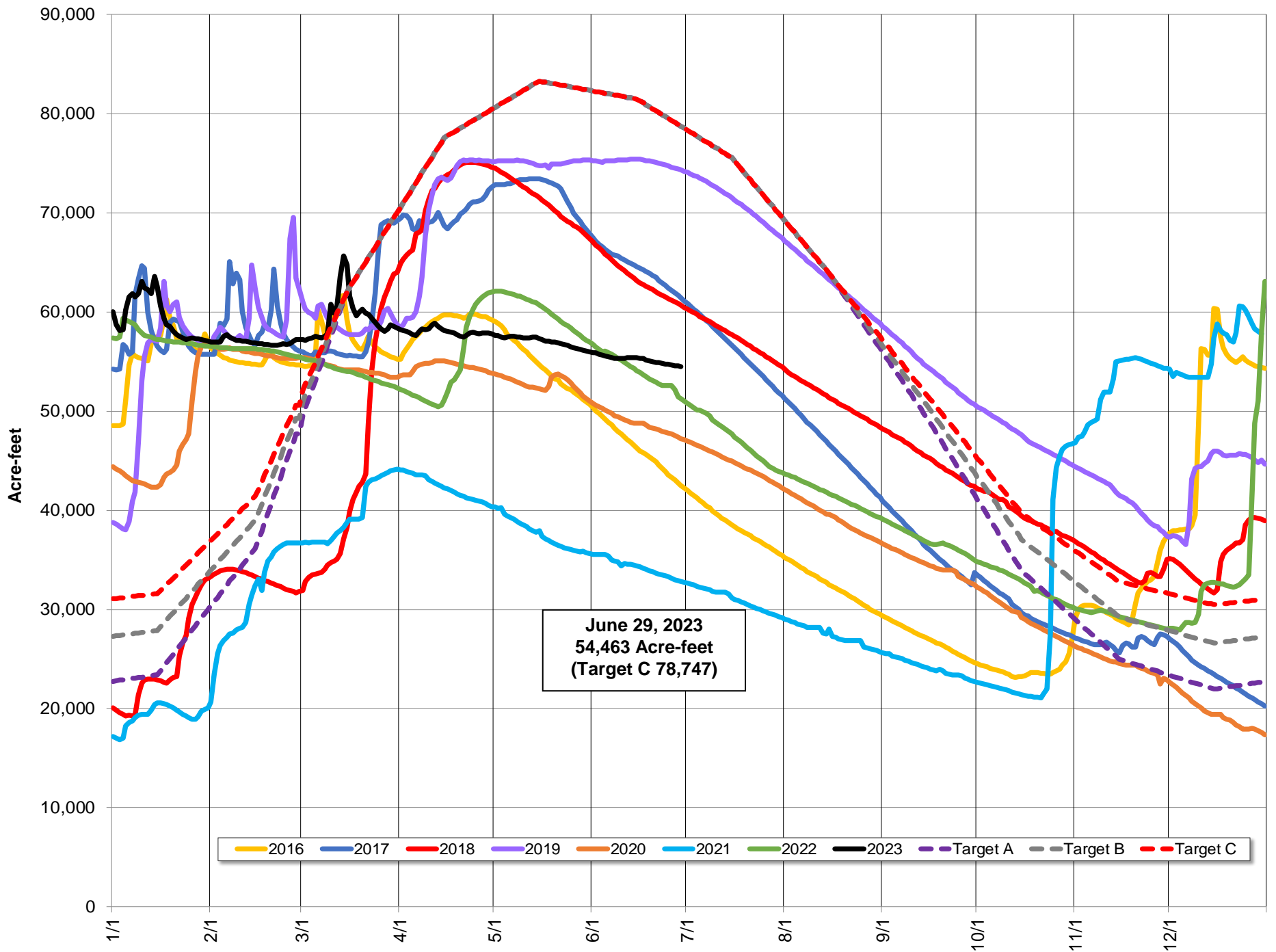
Potter Valley Project

PVP Diversion (cfs)	June 29, 2023	110
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - June 29, 2023	615,441	2,263
	Last 7 days	1,434	205

*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios

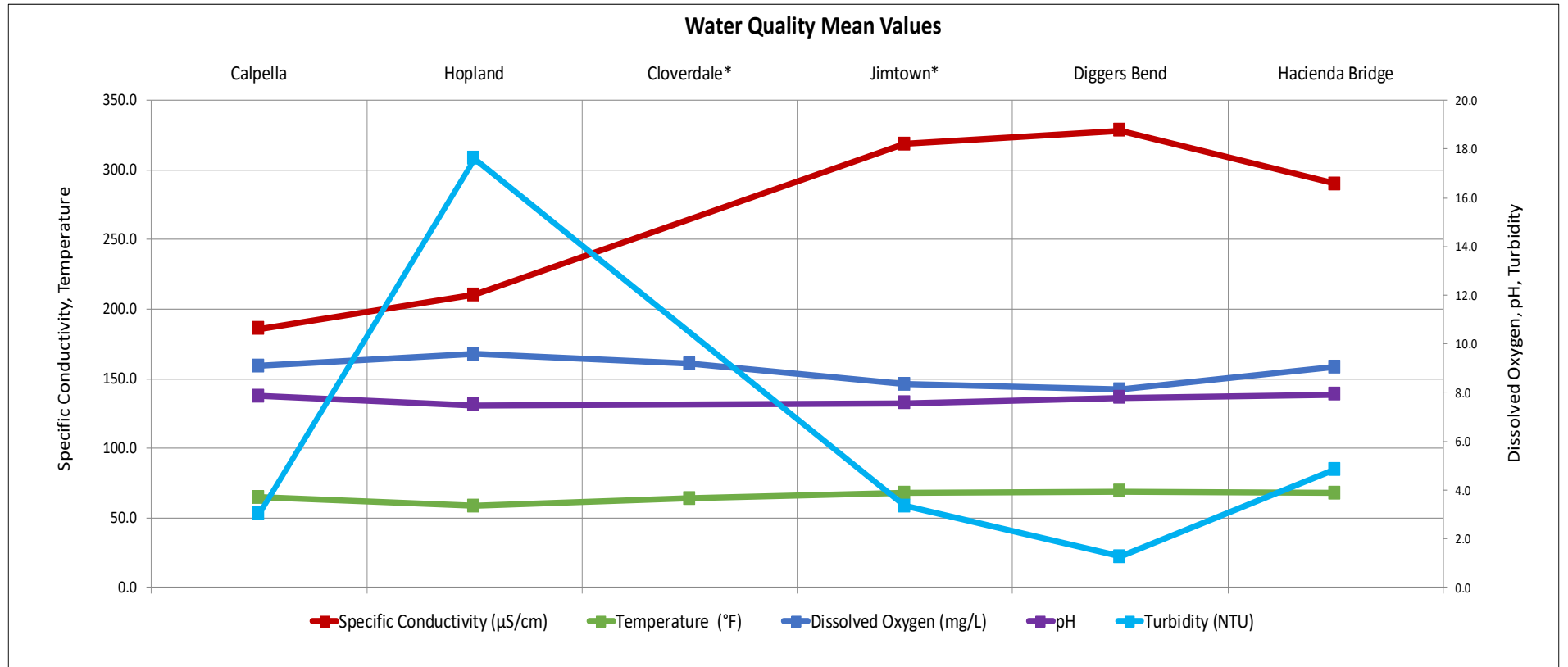


June 29, 2023
54,463 Acre-feet
(Target C 78,747)

Russian River Flows (June 23, 2023 - June 29, 2023)

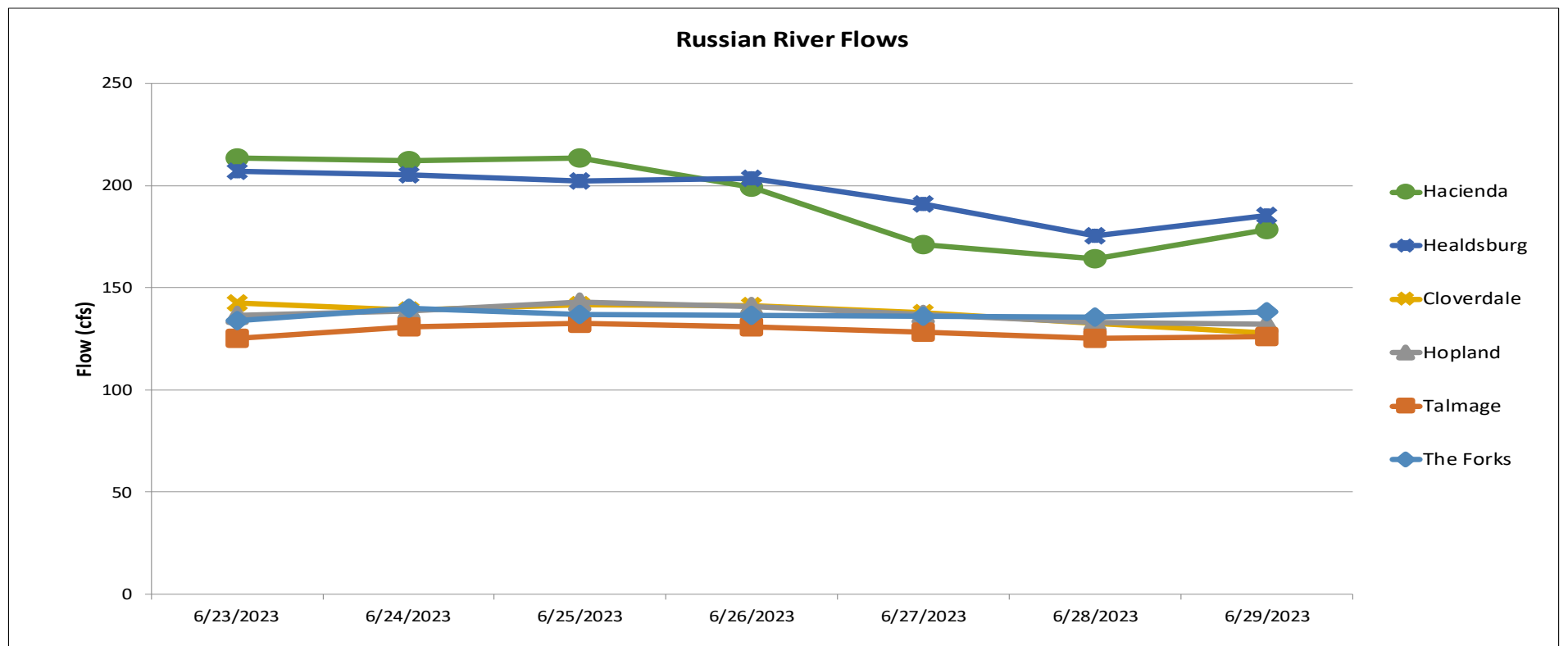
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	60.6	55.8	59.9	64.0	65.3		64.6	
	Max	69.1	62.2	69.4	73.6	74.5		72.9	
	Mean	64.6	58.6	63.8	67.8	68.8		67.8	
Specific Conductivity (µS/cm)	Min	182.0	207.0		316.0	325.0		282.0	
	Max	189.0	213.0		325.0	331.0		295.0	
	Mean	185.8	210.1		318.7	328.3		289.8	
Dissolved Oxygen (mg/L)	Min	8.4	9.0	8.0	7.0	7.1		8.2	
	Max	9.9	10.3	10.7	10.3	9.0		10.0	
	Mean	9.1	9.6	9.2	8.3	8.1		9.1	
Dissolved Oxygen (% Saturation)	Min	91.4	87.5	84.3	75.3	76.8		89.1	
	Max	104.7	105.1	115.1	115.3	104.9		113.6	
	Mean	96.2	94.6	96.6	91.7	90.2		99.4	
pH	Min	7.7	7.4		7.3	7.6		7.8	
	Max	8.1	7.6		7.9	7.9		8.1	
	Mean	7.9	7.5		7.6	7.8		7.9	
Turbidity (NTU)	Min	2.1	16.3		2.8	0.7		3.6	
	Max	4.0	19.2		3.8	2.2		6.7	
	Mean	3.0	17.6		3.3	1.3		4.9	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Jun 23, 2023	Jun 24, 2023	Jun 25, 2023	Jun 26, 2023	Jun 27, 2023	Jun 28, 2023	Jun 29, 2023
The Forks*	134	140	137	136	136	136	138
Talmage USGS 11462080	125	131	133	131	128	125	126
Hopland USGS 11462500	136	139	143	141	137	133	132
Cloverdale USGS 11463000	142	139	142	141	138	133	128
Healdsburg USGS 11464000	207	205	202	203	191	175	185
Hacienda USGS 11467000	213	212	213	199	171	164	179

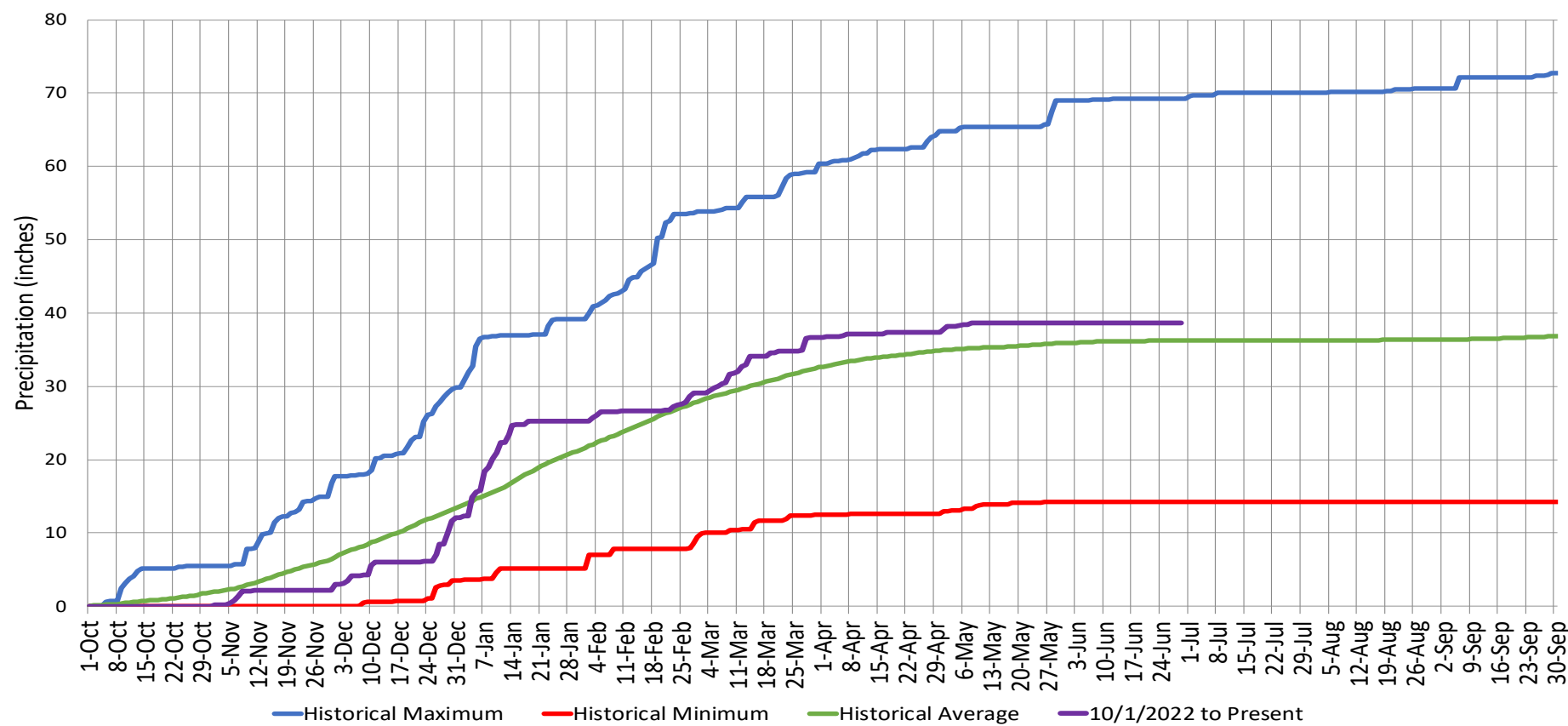
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Precipitation

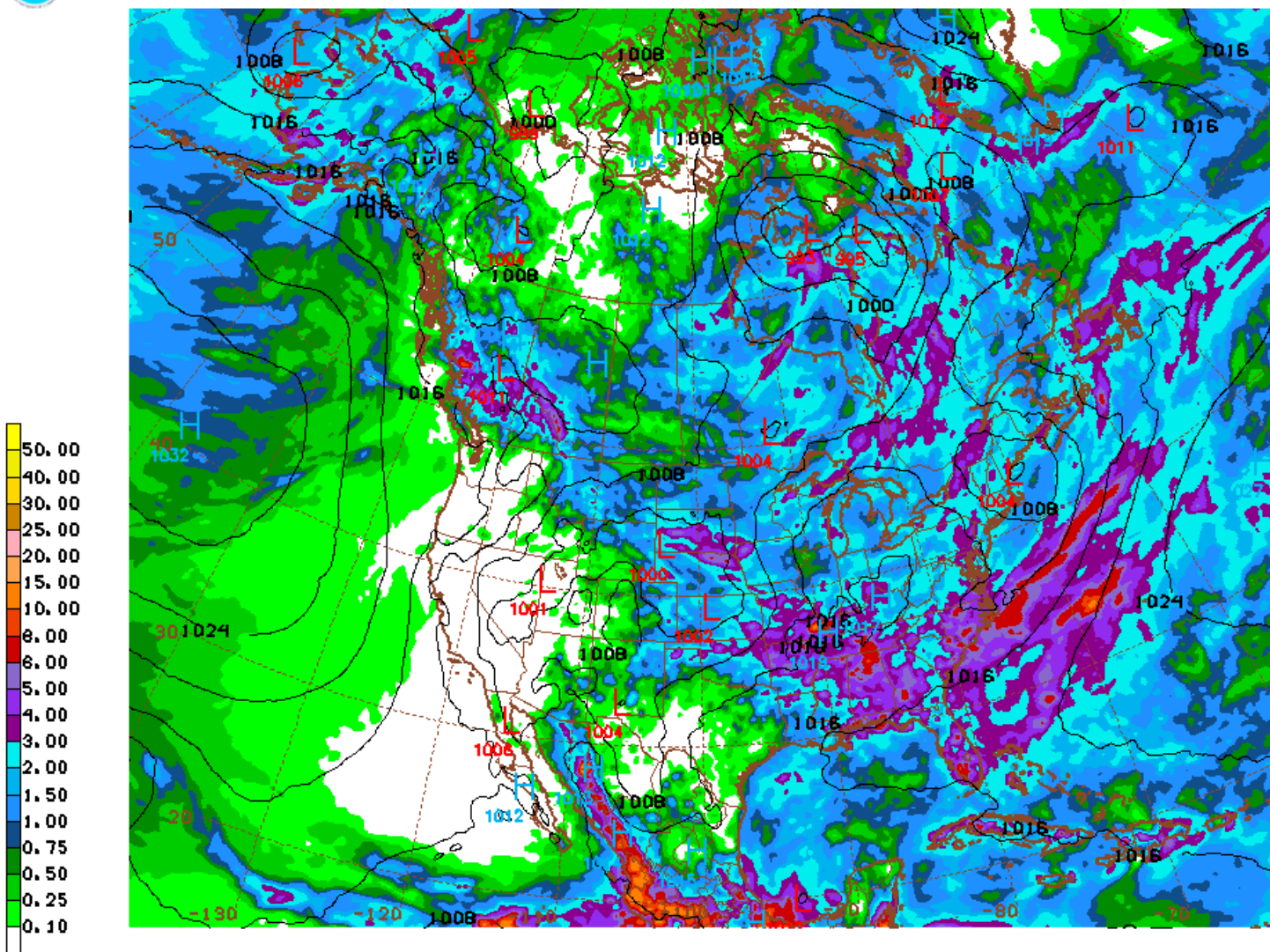
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Jun 29, 2023	38.64
Last 7 Days*	0.00

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 07/03/23 12UTC 384HR FCST VALID WED 07/19/23 12UTC NOAA/NWS/NCEP



6FS WED 230719/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range
Jul 3 - Jul 19, 2023

Forecasted Cumulative (inches)
0.00