



**State Water Resources Control Board
 Temporary Urgency Change Order (5/19/2023)
 Russian River Hydrologic Report
 May 26, 2023 - June 1, 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).

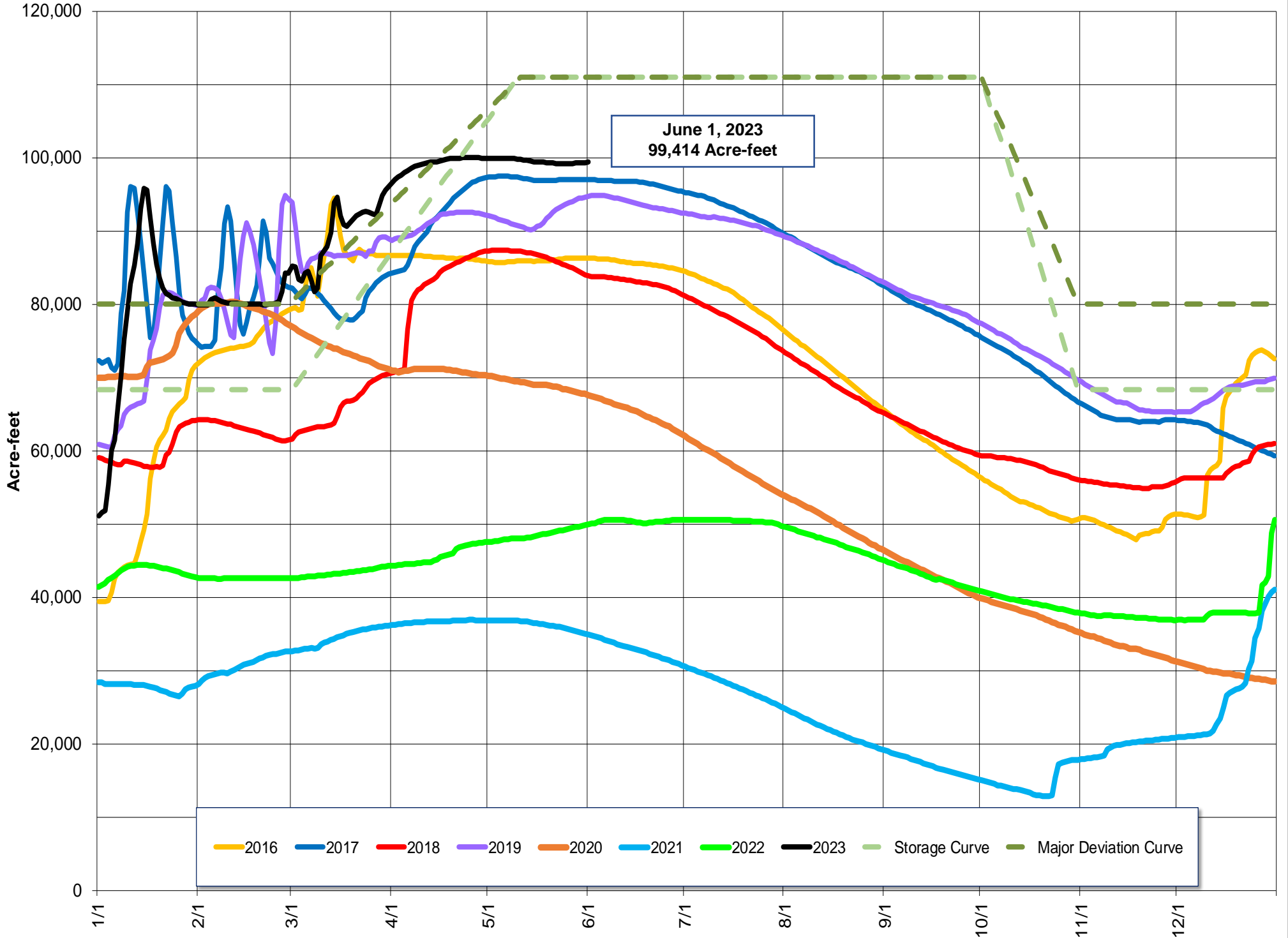
Instream Flow Requirements as of June 1, 2023

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



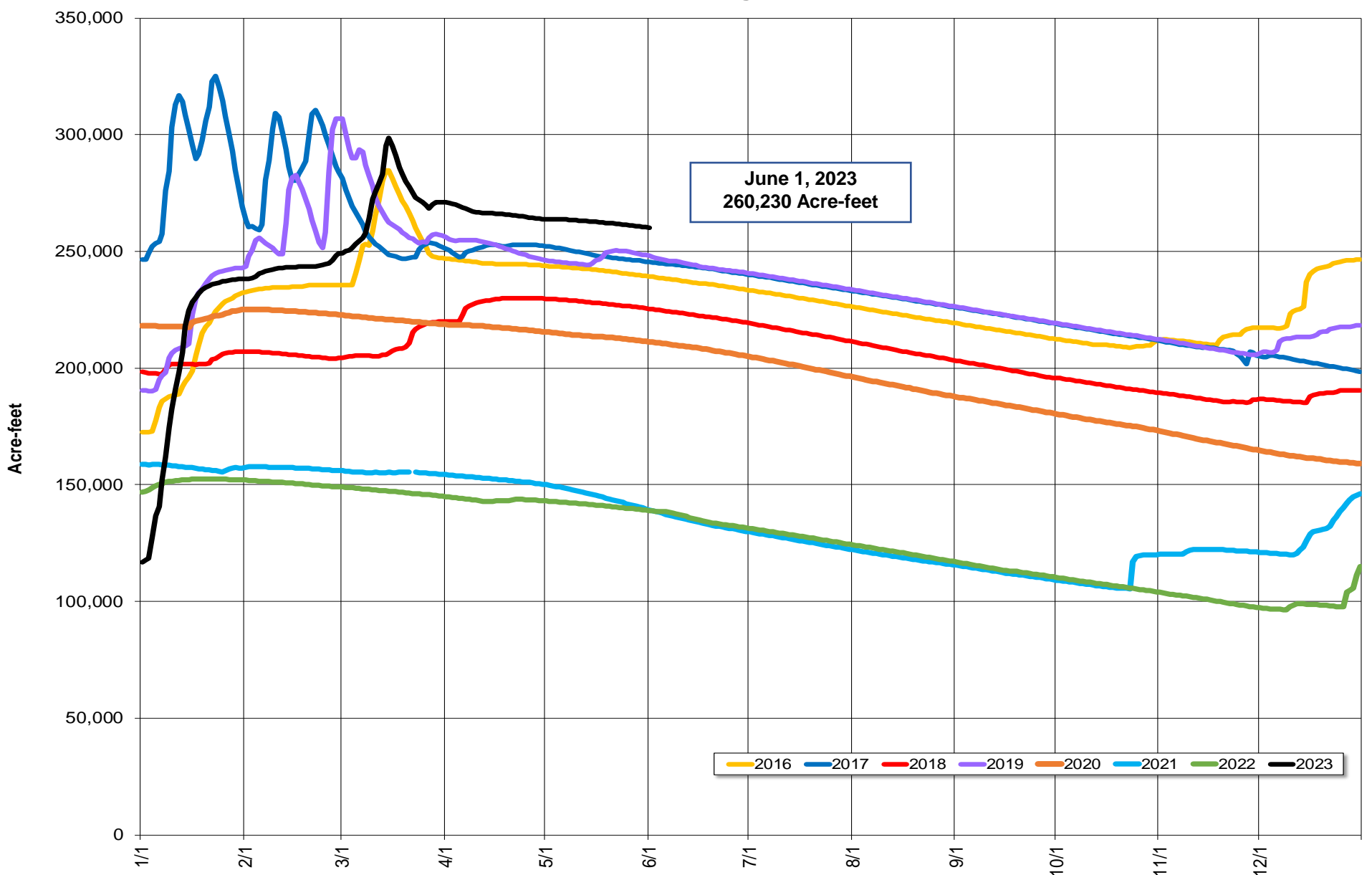
Storage (acre-feet)	June 1, 2023	99,414	
Change in Storage (acre-feet)	Last 30 days	-517	-17
	Last 7 days	232	33
Daily Inflow (cfs)	Last 7 days	Min	121
		Max	160
		Mean	139
Release (cfs)	Last 7 days	Min	110
		Max	110
		Mean	110

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2016-2023



Storage (acre-feet)	June 1, 2023	260,230	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,534	-118
	Last 7 days	-963	-138
Daily Inflow (cfs)	Last 7 days	Min	4
		Max	44
		Mean	31
Release (cfs)	Last 7 days	Min	95
		Max	96
		Mean	96

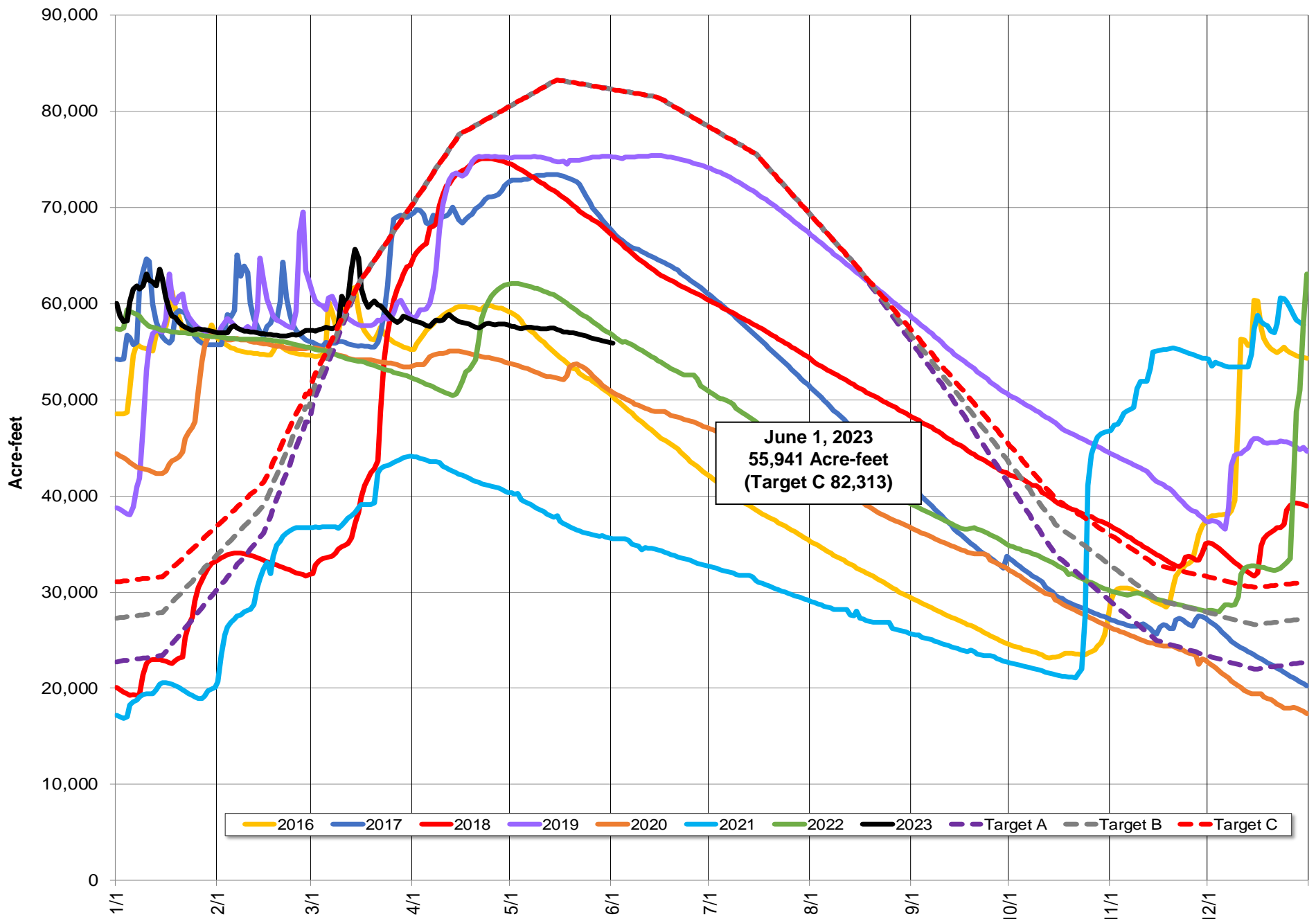
Potter Valley Project

PVP Diversion (cfs)	June 1, 2023	130
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - June 1, 2023	606,251	2,485
	Last 7 days	4,337	620

*Inflow calculation based on criteria established in D1610

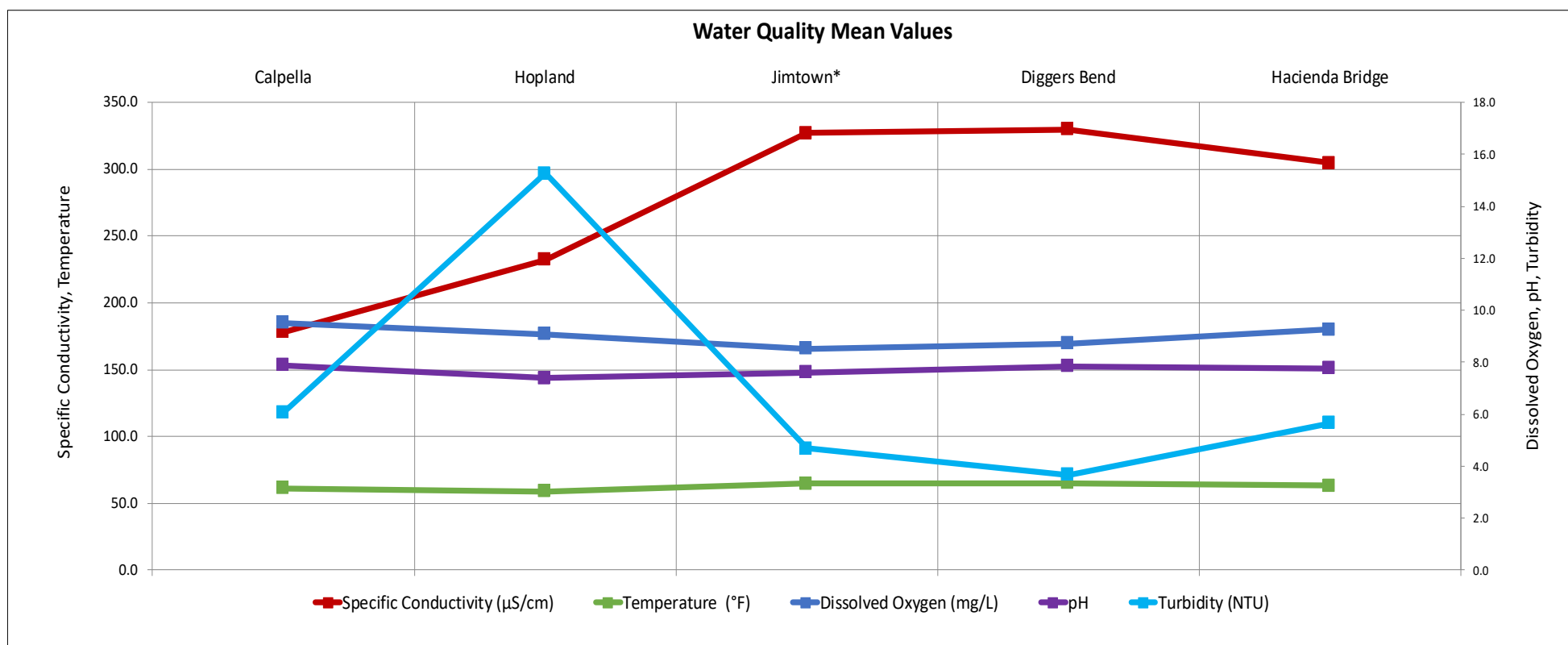
Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



Russian River Flows (May 26, 2023 - June 1, 2023)

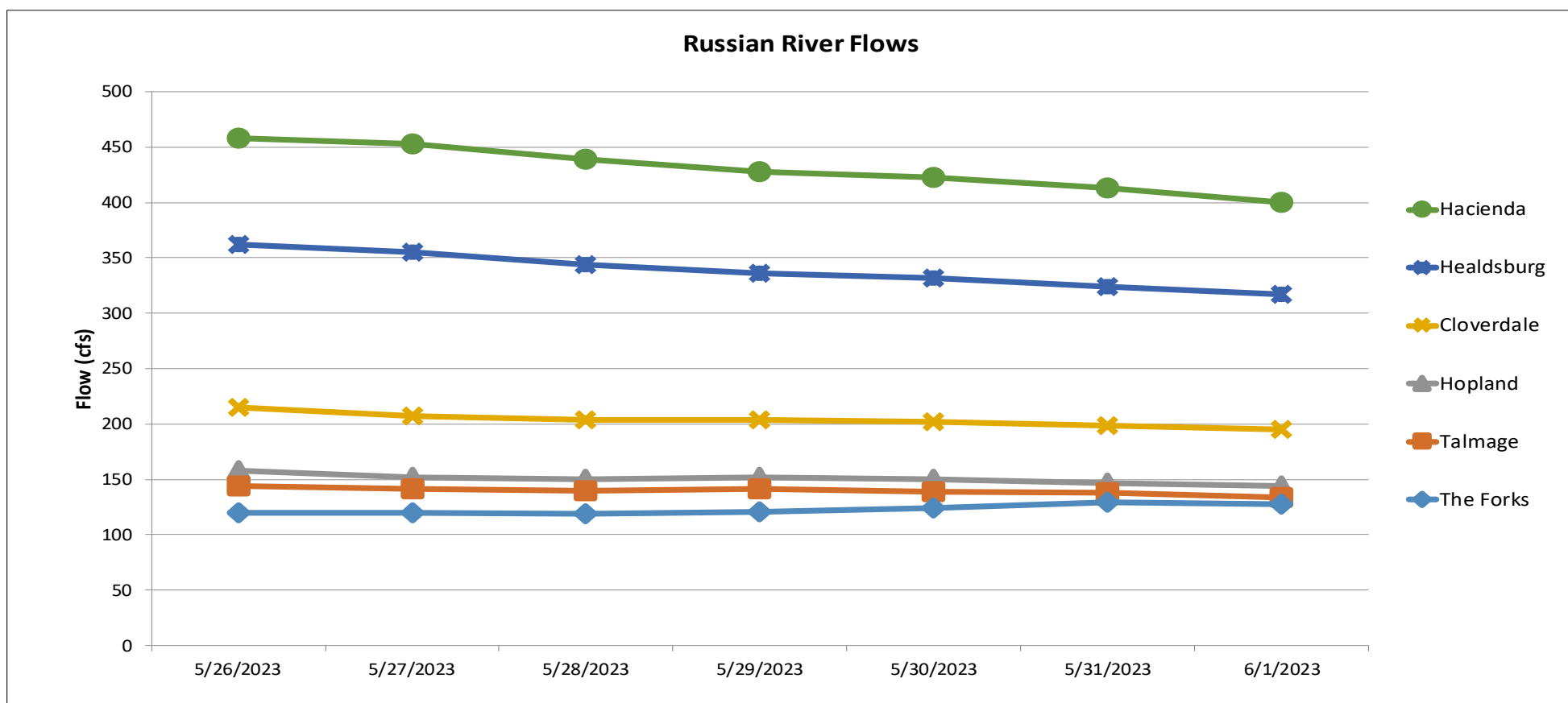
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	57.6	57.0		61.3	61.9		60.6	
	Max	64.6	61.9		69.4	70.2		67.8	
	Mean	61.1	59.0		64.6	65.0		63.2	
Specific Conductivity (µS/cm)	Min	174.0	229.0		324.0	327.0		303.0	
	Max	183.0	234.0		330.0	334.0		306.0	
	Mean	178.2	232.3		326.9	329.8		304.6	
Dissolved Oxygen (mg/L)	Min	9.1	8.7		7.8	7.8		8.2	
	Max	9.9	9.7		9.5	9.8		10.6	
	Mean	9.5	9.1		8.5	8.7		9.3	
Dissolved Oxygen (% Saturation)	Min	94.2	85.0		81.7	81.9		85.4	
	Max	101.2	98.1		104.6	110.3		116.4	
	Mean	96.8	90.1		90.3	92.8		96.6	
pH	Min	7.8	7.3		7.5	7.7		7.6	
	Max	8.0	7.5		7.7	8.0		8.0	
	Mean	7.9	7.4		7.6	7.8		7.8	
Turbidity (NTU)	Min	4.6	14.1		3.5	2.1		4.2	
	Max	8.8	16.6		8.3	5.8		8.4	
	Mean	6.1	15.3		4.7	3.7		5.6	

*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	May 26, 2023	May 27, 2023	May 28, 2023	May 29, 2023	May 30, 2023	May 31, 2023	Jun 1, 2023
The Forks*	120	120	119	121	124	129	128
Talmage USGS 11462080	144	141	140	141	139	138	133
Hopland USGS 11462500	158	152	150	152	150	147	144
Cloverdale USGS 11463000	215	207	204	204	202	198	195
Healdsburg USGS 11464000	362	355	344	336	332	324	317
Hacienda USGS 11467000	458	453	439	428	423	413	400

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

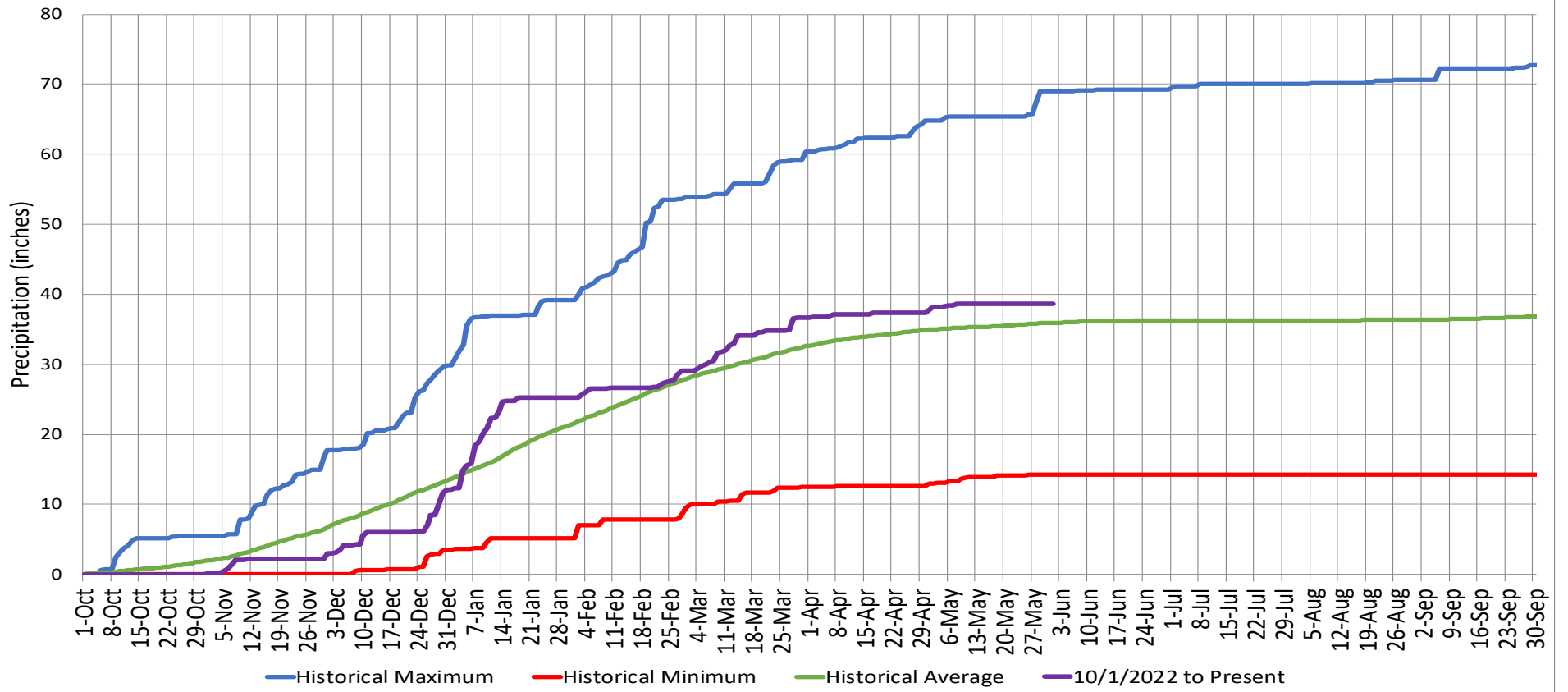


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

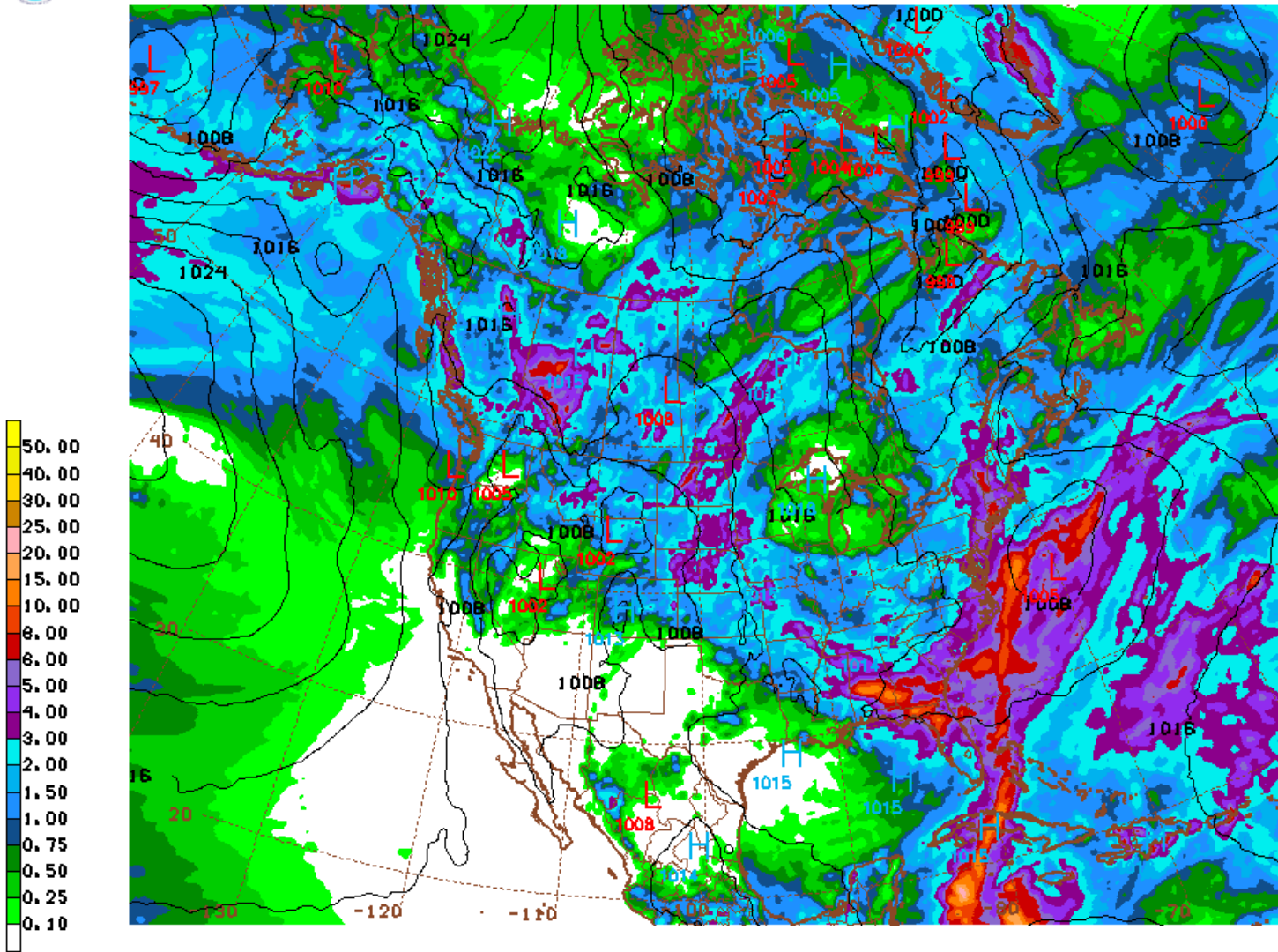
Date Range	Cumulative (inches)
Oct 1, 2022 - Jun 1, 2023	38.64
Last 7 Days*	0.02

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
Jun 1 - Jun 17, 2023

Forecasted Cumulative (inches)
0.00