



**State Water Resources Control Board  
 Temporary Urgency Change Order (5/19/2023)  
 Russian River Hydrologic Report  
 June 2, 2023 - June 8, 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).

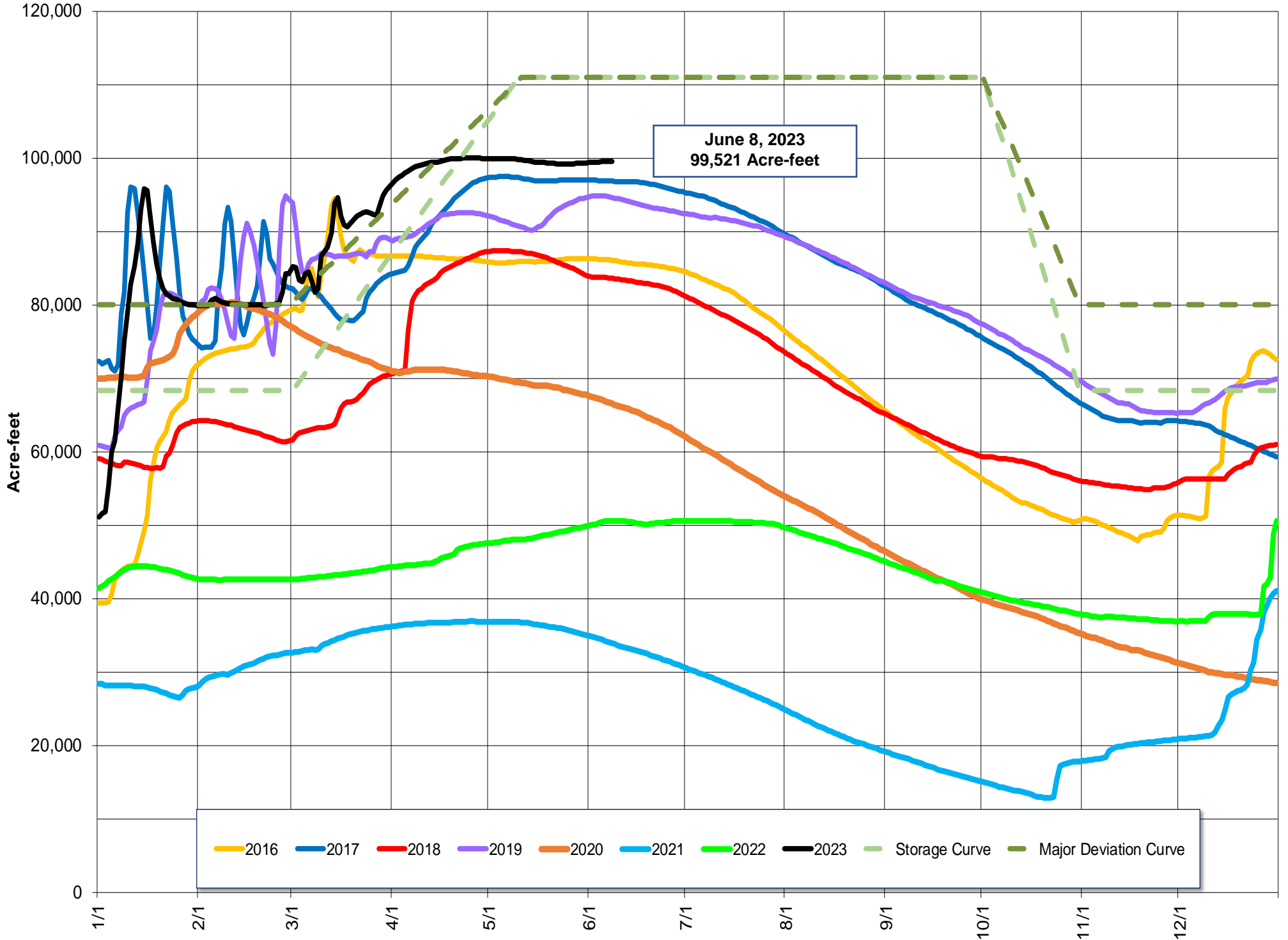
**Instream Flow Requirements as of June 8, 2023**

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Normal Condition	Upper Russian River	<b>110</b>	<b>125</b>
D-1610: Normal Condition	Dry Creek	<b>80</b>	<b>-</b>
Modified Per Order: Normal Condition	Lower Russian River	<b>60</b>	<b>70</b>

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**



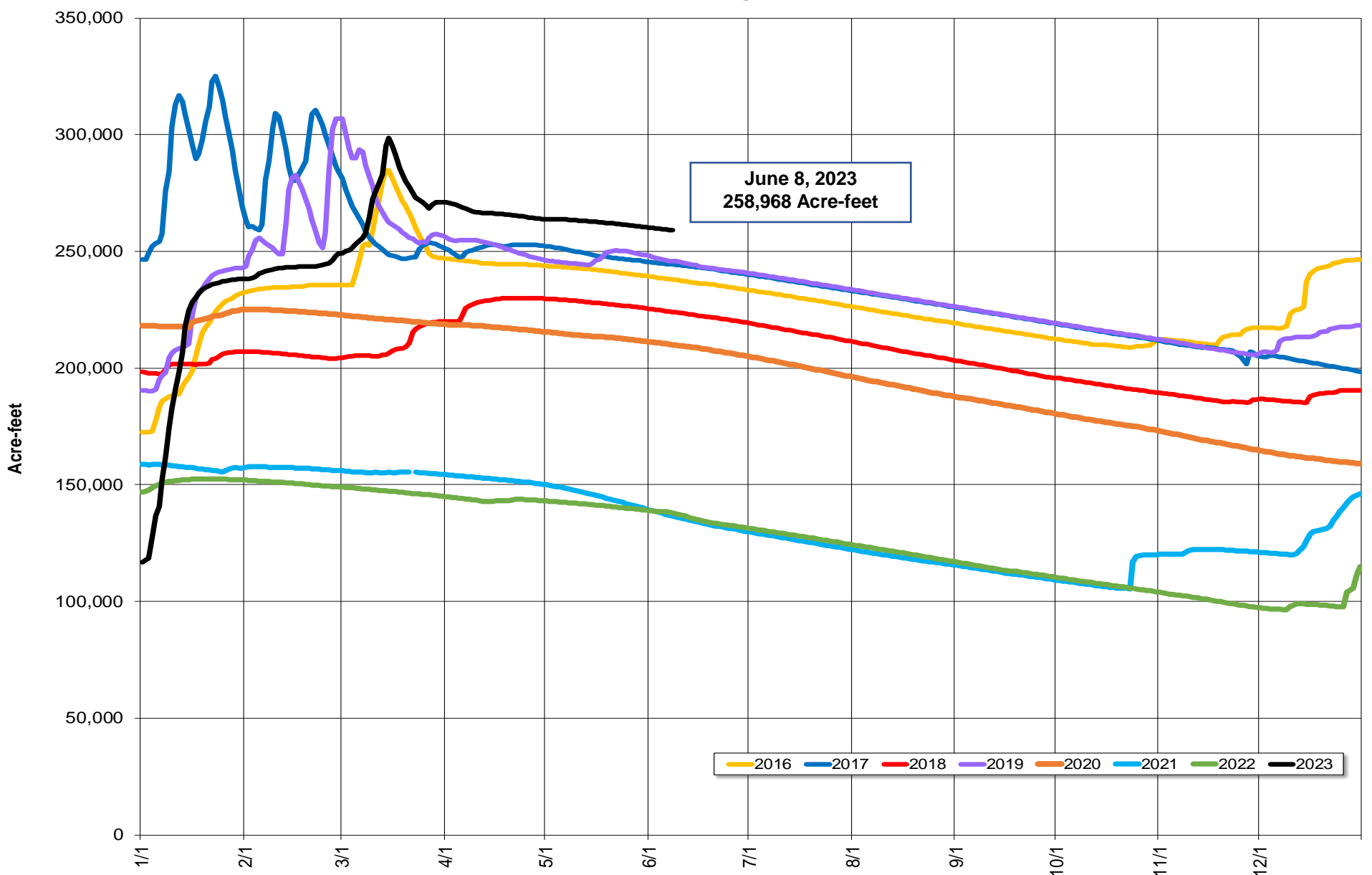
Storage (acre-feet)	June 8, 2023	<b>99,521</b>	
Change in Storage (acre-feet)	Last 30 days	<b>-375</b>	<b>-13</b>
	Last 7 days	<b>89</b>	<b>13</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>106</b>
		Max	<b>150</b>
		Mean	<b>131</b>
Release (cfs)	Last 7 days	Min	<b>108</b>
		Max	<b>110</b>
		Mean	<b>109</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

### Lake Sonoma Storage 2016-2023



Storage (acre-feet)	June 8, 2023	<b>258,968</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-4,491</b>	<b>-150</b>
	Last 7 days	<b>-1,070</b>	<b>-153</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>0</b>
		Max	<b>49</b>
		Mean	<b>22</b>
Release (cfs)	Last 7 days	Min	<b>96</b>
		Max	<b>96</b>
		Mean	<b>96</b>

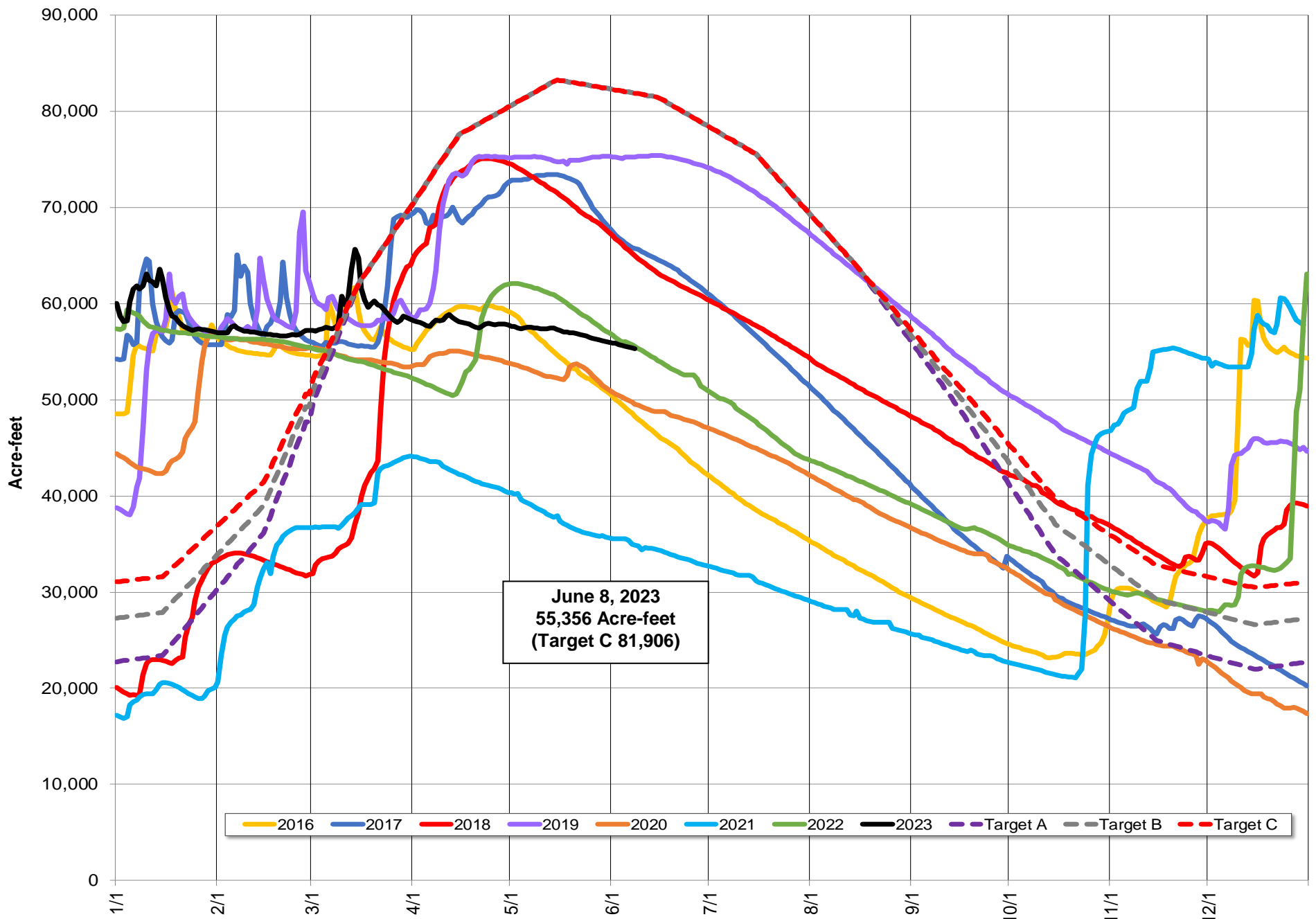
# Potter Valley Project

PVP Diversion (cfs)	June 8, 2023	100
---------------------	--------------	-----

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - June 8, 2023	609,453	2,428
	Last 7 days	2,597	371

\*Inflow calculation based on criteria established in D1610

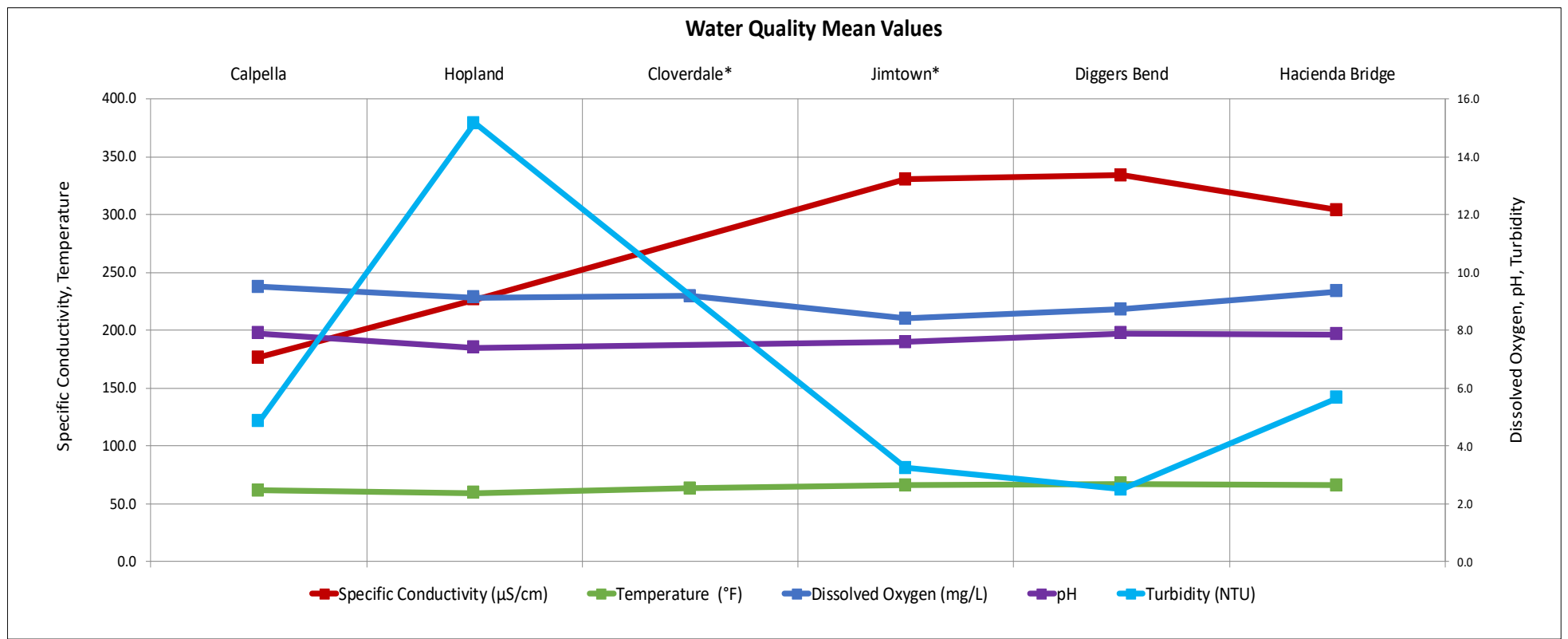
### Lake Pillsbury Storage 2016 - 2023 and Target Storage Scenarios



## Russian River Flows (June 2, 2023 - June 8, 2023)

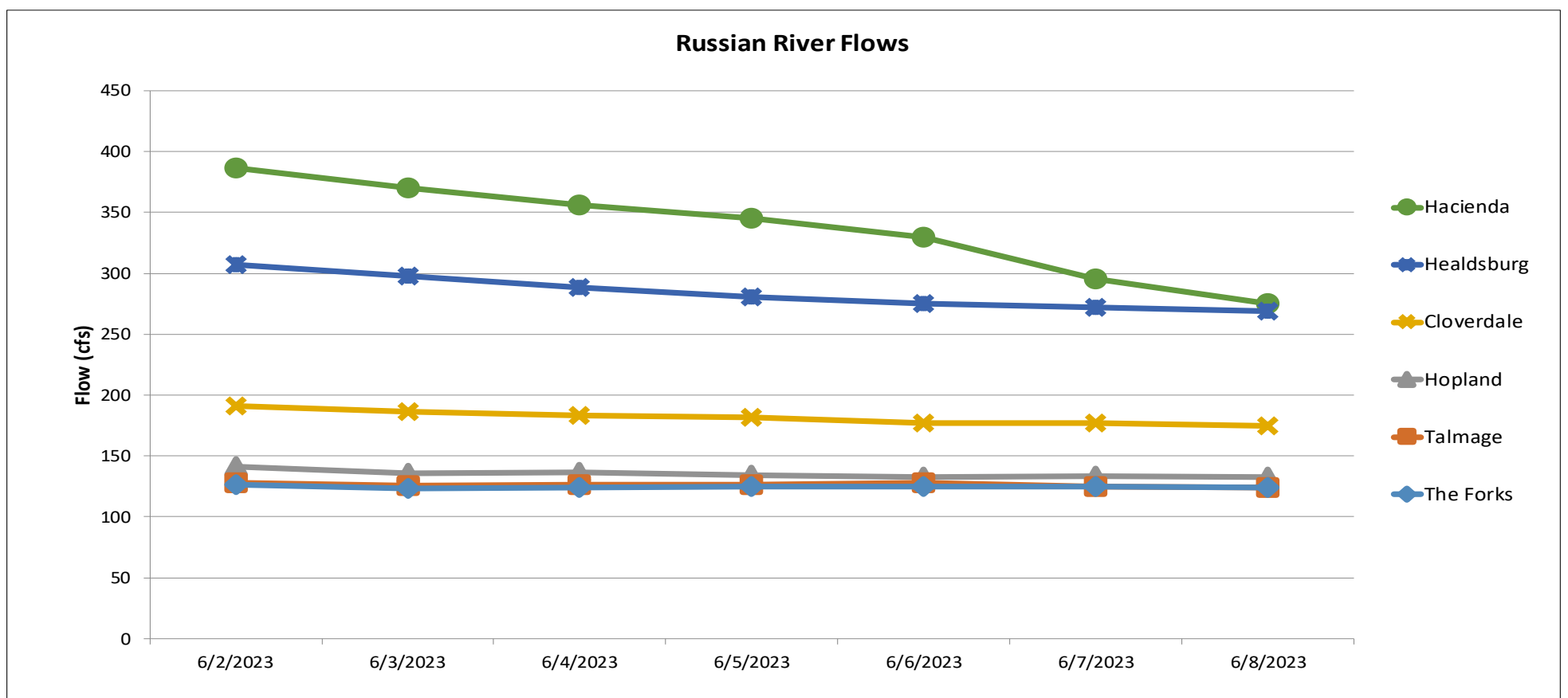
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	57.4	56.7	60.1	62.1	62.6		61.5	
	Max	65.3	63.0	68.4	71.8	72.9		70.5	
	Mean	61.3	59.2	63.2	66.0	67.1		65.7	
Specific Conductivity (µS/cm)	Min	172.0	222.0		329.0	332.0		300.0	
	Max	188.0	231.0		333.0	337.0		306.0	
	Mean	176.4	226.6		330.7	334.1		303.9	
Dissolved Oxygen (mg/L)	Min	9.0	8.5	8.2	7.4	7.5		7.8	
	Max	10.0	9.9	10.4	9.9	10.2		11.5	
	Mean	9.5	9.1	9.2	8.4	8.7		9.3	
Dissolved Oxygen (% Saturation)	Min	93.9	83.9	86.2	79.4	81.7		83.7	
	Max	102.0	101.4	112.3	107.6	112.4		127.2	
	Mean	96.9	90.9	95.8	90.6	95.2		100.3	
pH	Min	7.8	7.2		7.5	7.7		7.6	
	Max	8.1	7.5		7.8	8.1		8.2	
	Mean	7.9	7.4		7.6	7.9		7.9	
Turbidity (NTU)	Min	2.9	14.1		2.5	1.8		4.2	
	Max	7.3	16.6		4.2	3.6		8.4	
	Mean	4.8	15.2		3.2	2.5		5.7	

\*Station operated seasonally



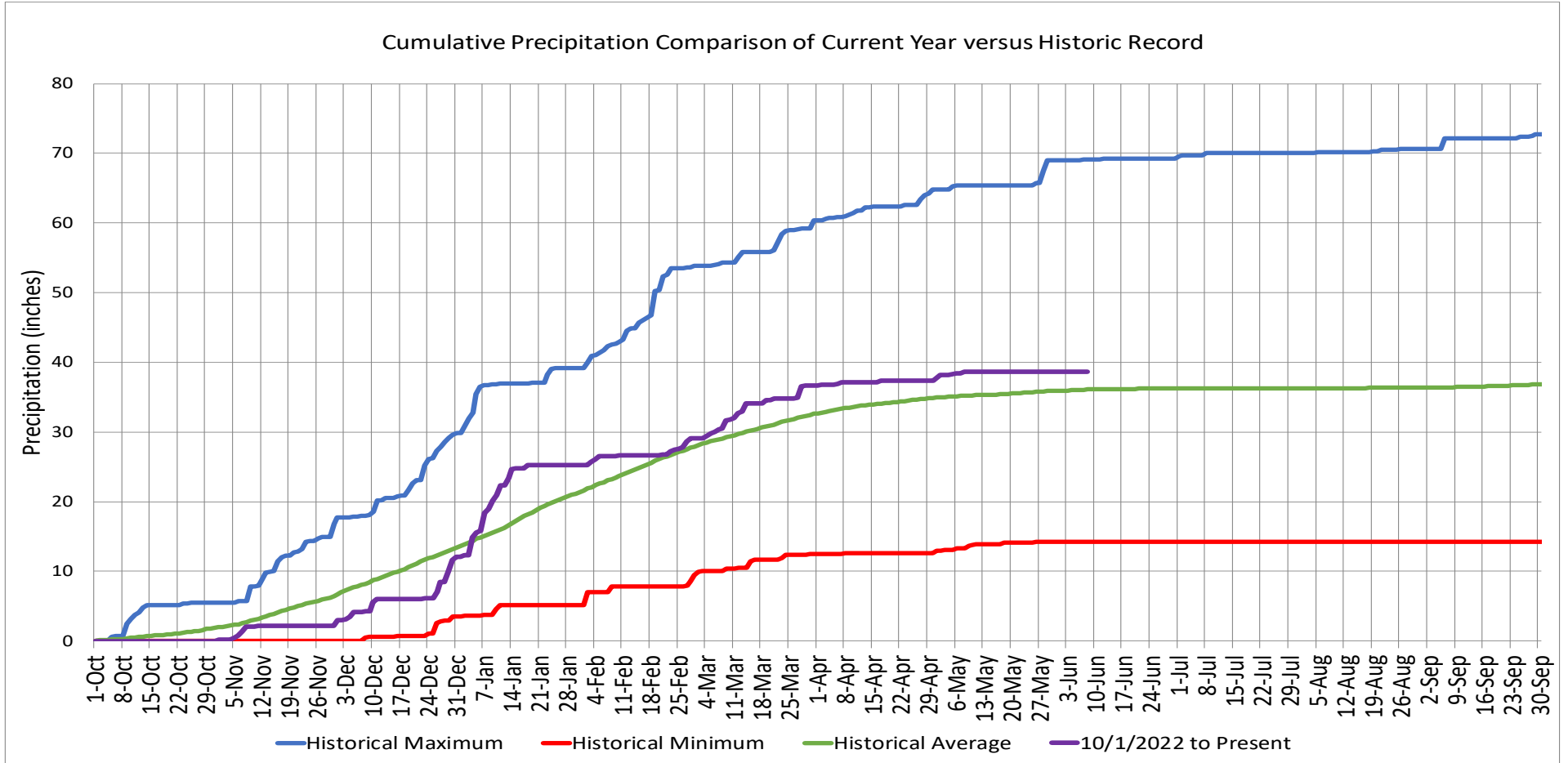
Gage	24-hr Average Flow (cfs)						
	Jun 2, 2023	Jun 3, 2023	Jun 4, 2023	Jun 5, 2023	Jun 6, 2023	Jun 7, 2023	Jun 8, 2023
The Forks*	126	124	124	125	125	125	124
Talmage USGS 11462080	128	126	127	126	128	125	124
Hopland USGS 11462500	141	136	136	134	133	134	133
Cloverdale USGS 11463000	191	187	183	182	177	177	175
Healdsburg USGS 11464000	307	298	289	280	275	272	269
Hacienda USGS 11467000	387	371	357	345	330	296	275

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



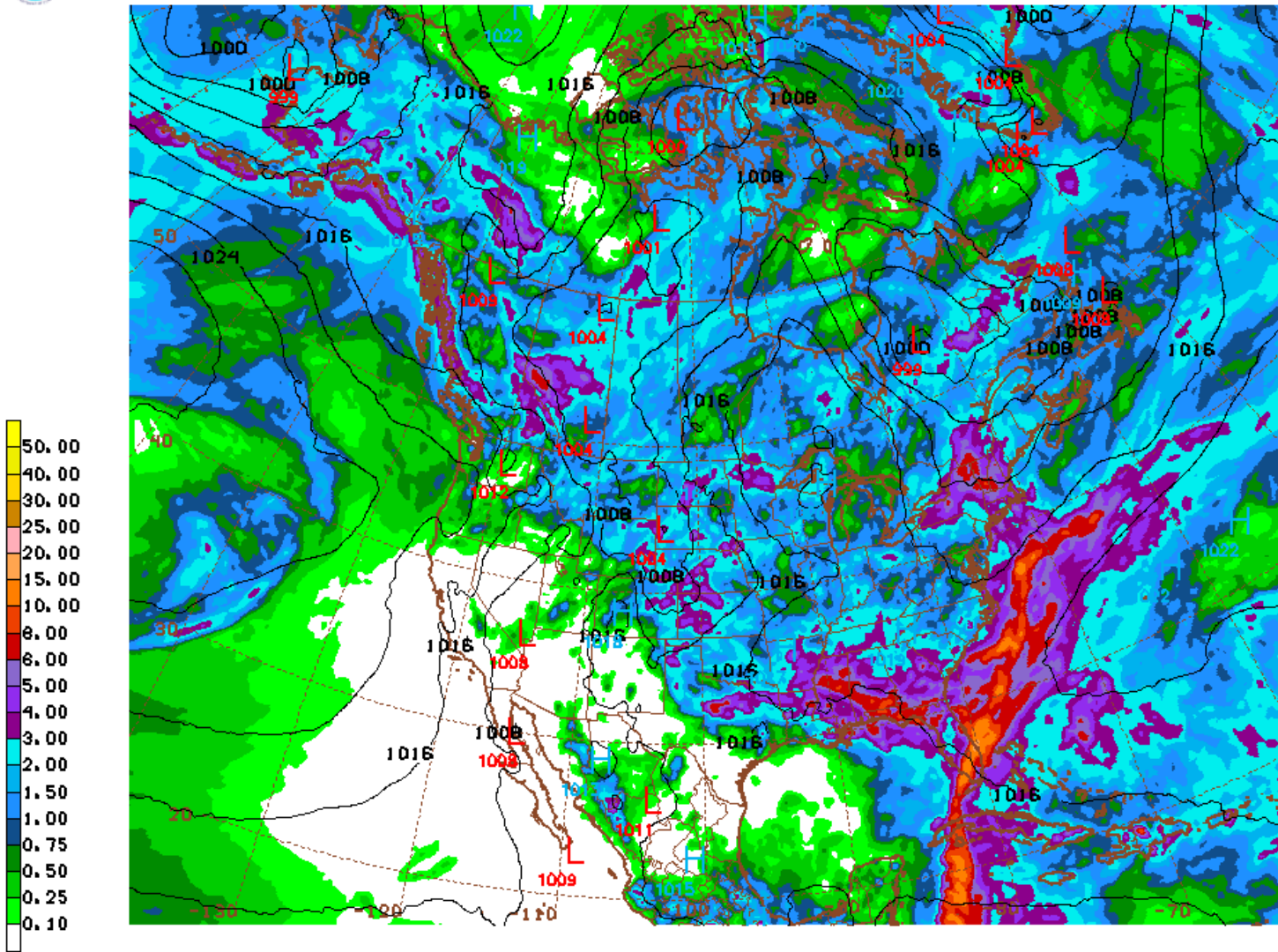
# Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Jun 8, 2023	<b>38.64</b>
Last 7 Days*	<b>0.00</b>



## Global Forecast System Model 16-day Cumulative Precipitation Forecast

6FS 06/15/23 12UTC 384HR FCST VALID SAT 07/01/23 12UTC NOAA/NWS/NCEP



6FS SAT 230701/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range  
Jun 8 - Jun 24, 2023

Forecasted Cumulative (inches)  
**0.00**