



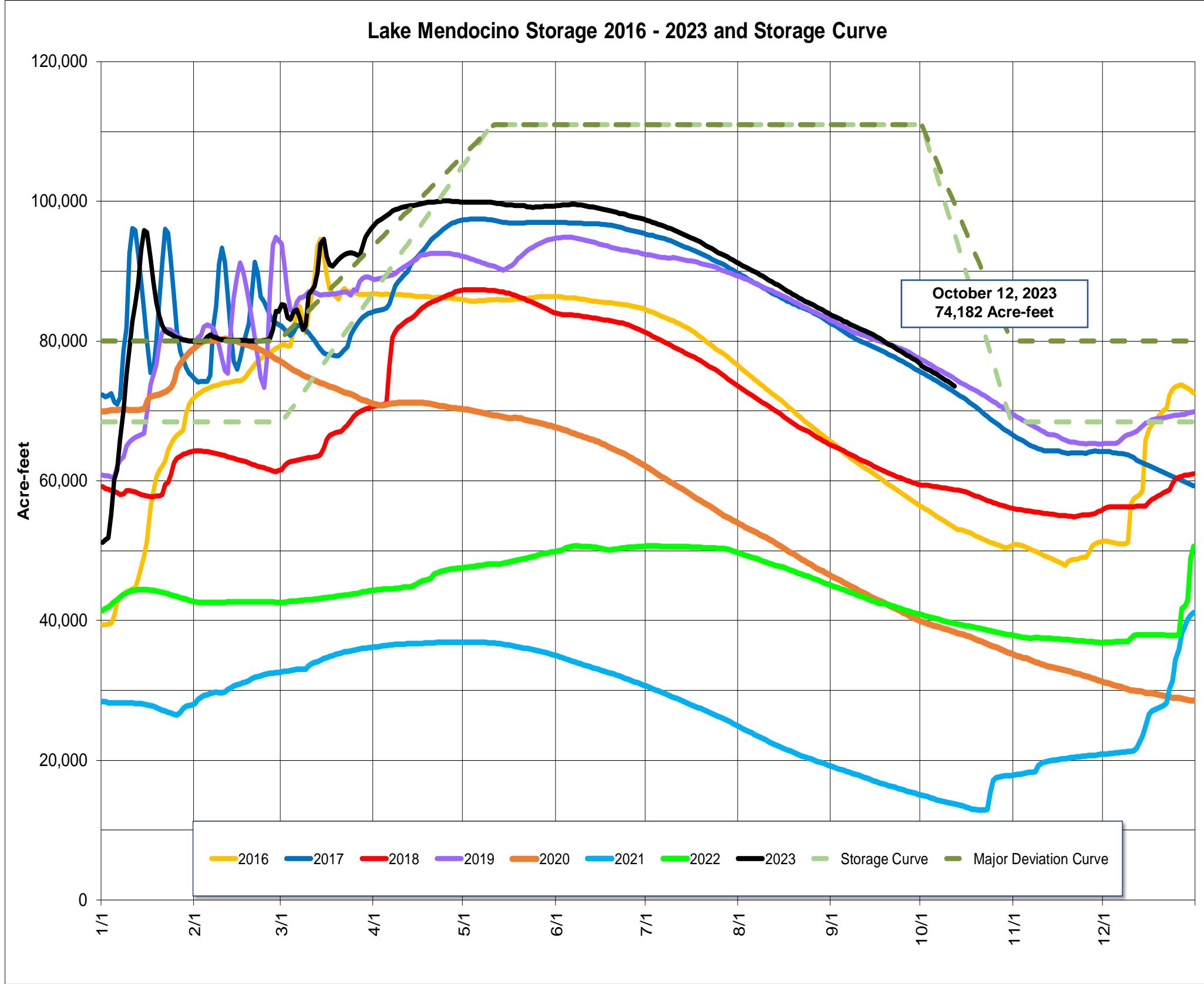
**State Water Resources Control Board  
 Temporary Urgency Change Order (5/19/2023)  
 Russian River Hydrologic Report  
 October 6, 2023 - October 12, 2023**

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).

<b>Instream Flow Requirements as of October 12, 2023</b>			
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



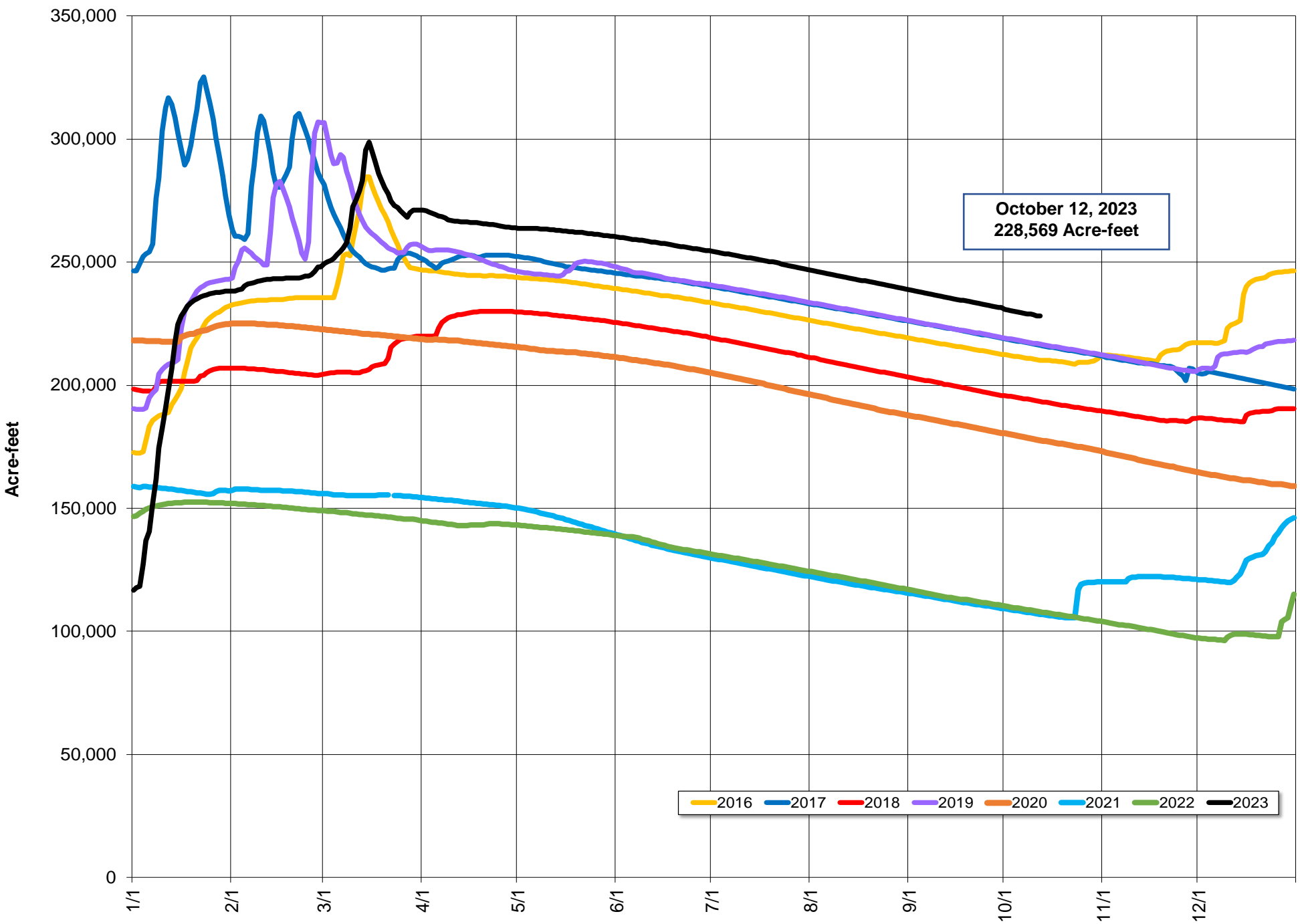
Storage (acre-feet)	October 12, 2023	<b>74,182</b>	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	<b>-7,899</b>	<b>-263</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>44</b>
		Max	<b>82</b>
		Mean	<b>57</b>
Release (cfs)	Last 7 days	Min	<b>156</b>
		Max	<b>185</b>
		Mean	<b>176</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

## Lake Sonoma Storage 2016-2023



Storage (acre-feet)	October 12, 2023	<b>228,569</b>	
Change in Storage (acre-feet)	Last 30 days	<b>-7,833</b>	<b>-261</b>
	Last 7 days	<b>-1,438</b>	<b>-205</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>0</b>
		Max	<b>14</b>
		Mean	<b>6</b>
Release (cfs)	Last 7 days	Min	<b>109</b>
		Max	<b>113</b>
		Mean	<b>111</b>

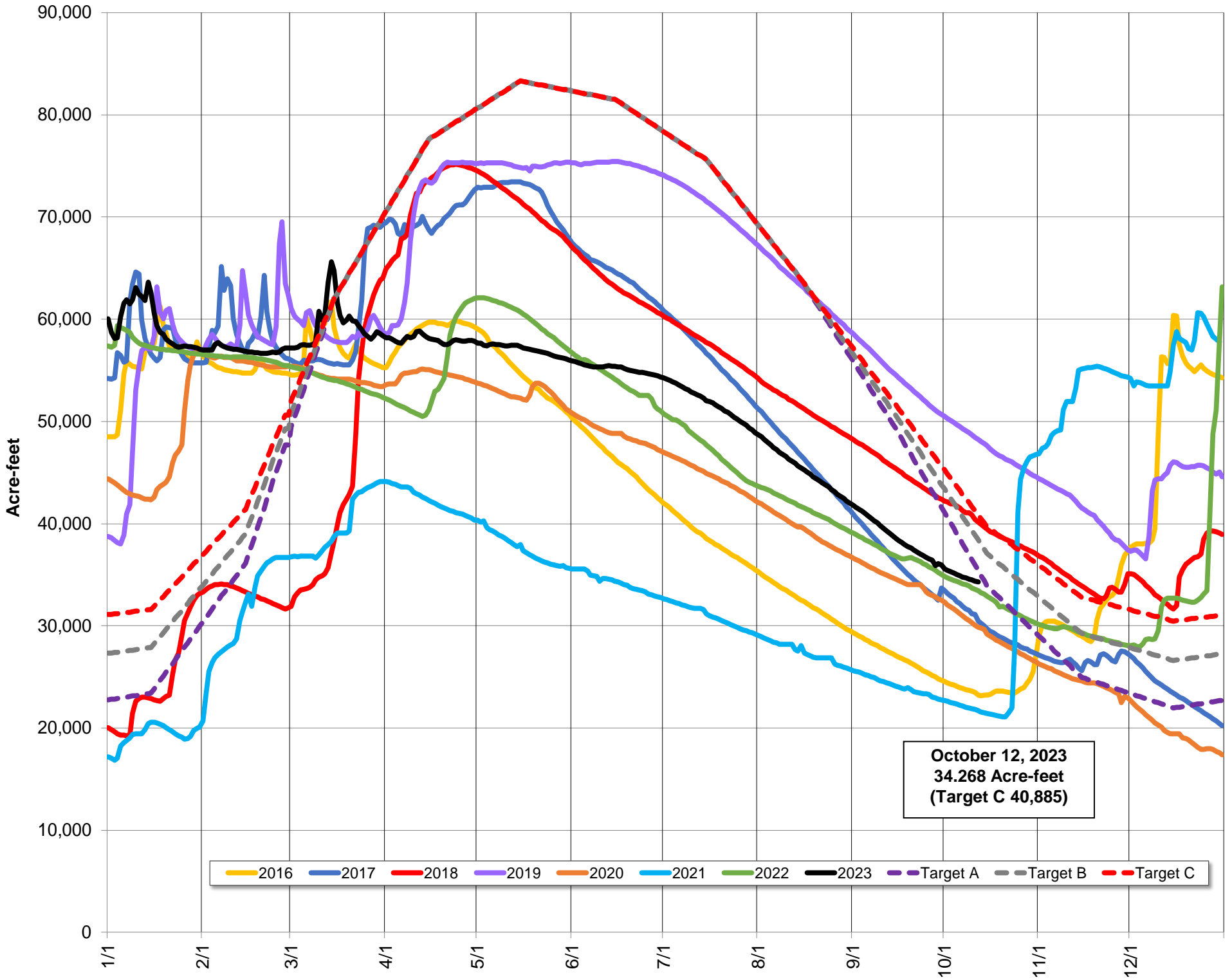
# Potter Valley Project

PVP Diversion (cfs)	October 12, 2023	46
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Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2023 - October 12, 2023	665	55
	Last 7 days	799	114

\*Inflow calculation based on criteria established in D1610

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



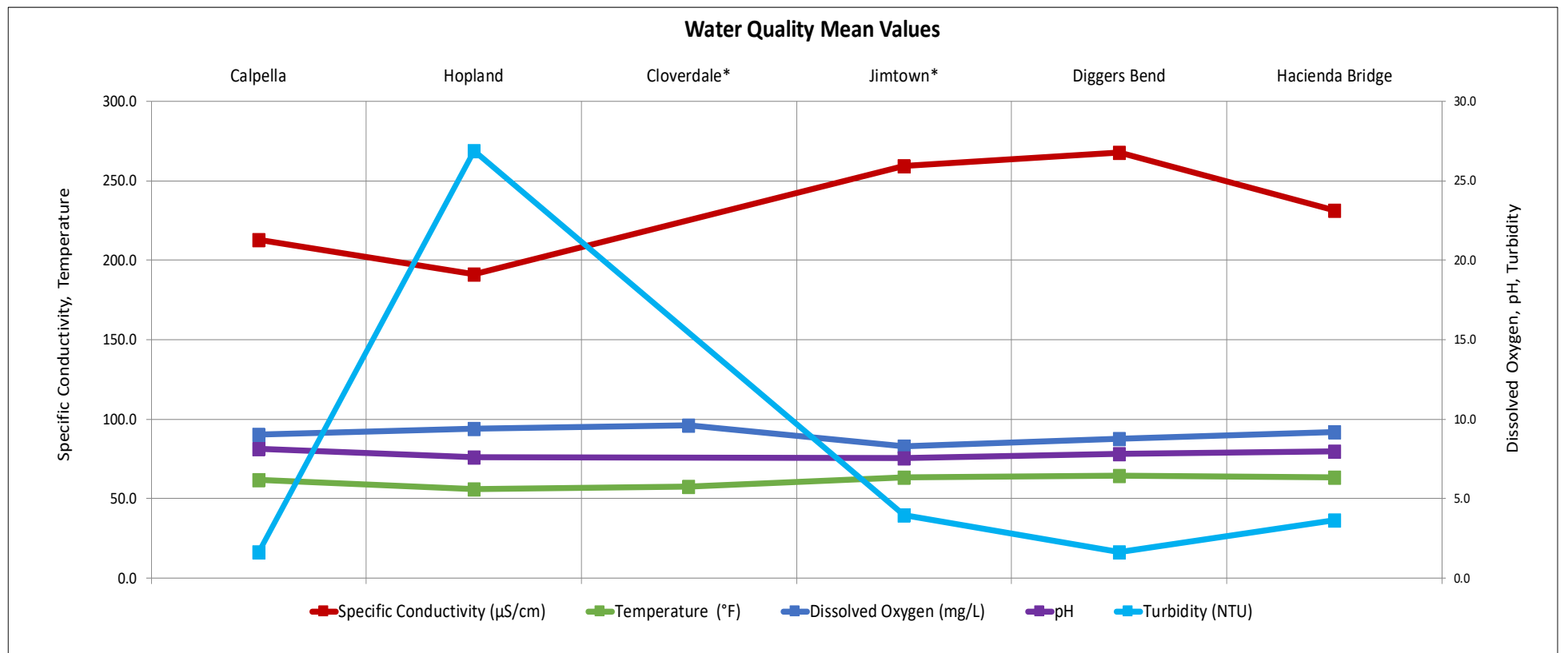
October 12, 2023  
34,268 Acre-feet  
(Target C 40,885)

2016 2017 2018 2019 2020 2021 2022 2023 Target A Target B Target C

## Russian River Flows (October 6, 2023 - October 12, 2023)

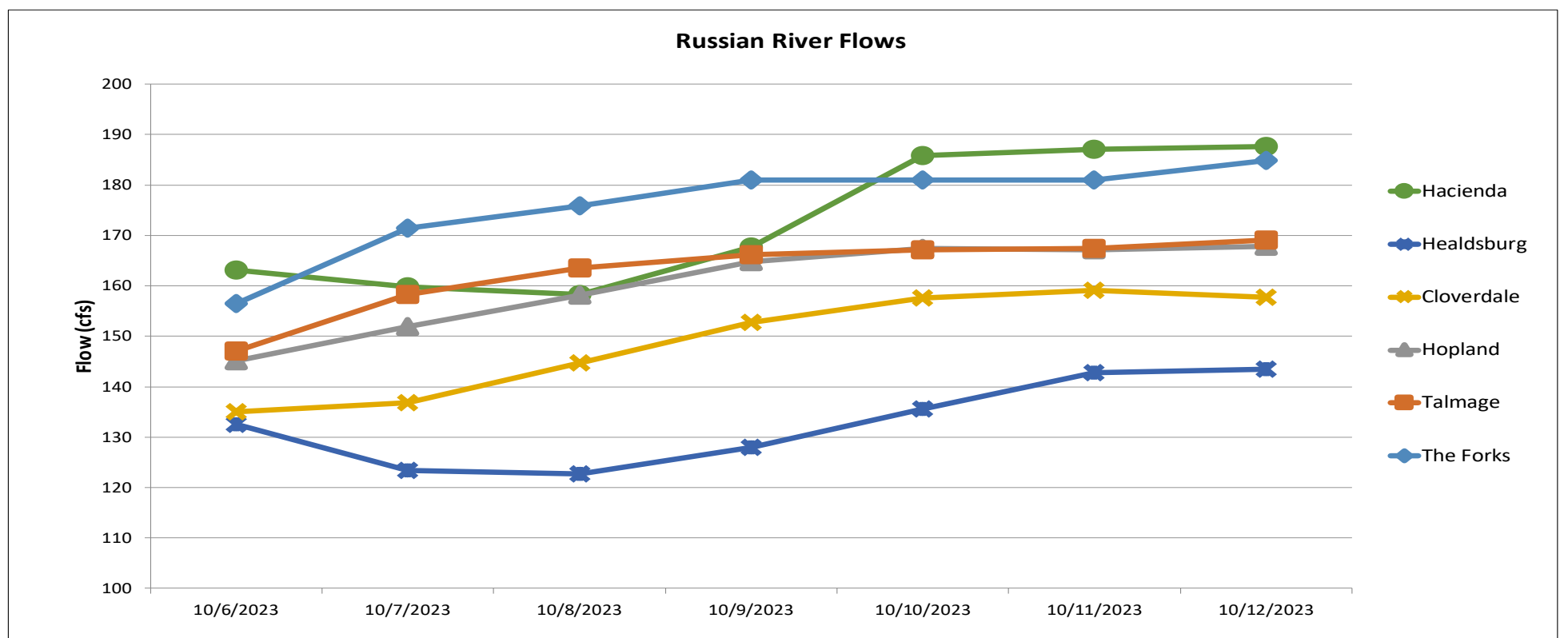
Parameter		Calpella	Hopland	Cloverdale*	Jimtown*	Diggers Bend	River Diversion System at Mirabel*	Hacienda Bridge	Johnsons Beach*
		USGS 11461500	USGS 11462500	USGS 11463000	USGS 11463682	USGS 11463980	SCWA	USGS 11467000	SCWA
Temperature (°F)	Min	57.2	54.1	54.9	59.2	59.9		58.8	
	Max	64.9	57.9	61.5	67.6	69.1		66.9	
	Mean	61.6	55.9	57.8	63.2	64.6		63.1	
Specific Conductivity (µS/cm)	Min	208.0	190.0		252.0	260.0		230.0	
	Max	222.0	193.0		266.0	273.0		236.0	
	Mean	212.7	191.4		259.3	267.9		231.1	
Dissolved Oxygen (mg/L)	Min	8.6	9.1	9.0	7.3	7.4		7.7	
	Max	10.0	9.8	10.5	9.9	11.3		10.6	
	Mean	9.0	9.4	9.6	8.3	8.8		9.2	
Dissolved Oxygen (% Saturation)	Min	89.2	86.5	89.4	75.6	77.1		80.2	
	Max	100.3	95.9	106.2	107.1	125.5		114.1	
	Mean	92.4	89.7	94.0	86.3	93.1		96.0	
pH	Min	8.1	7.4		7.4	7.5		7.7	
	Max	8.3	7.7		7.8	8.4		8.3	
	Mean	8.1	7.6		7.5	7.8		8.0	
Turbidity (NTU)	Min	0.9	21.6		3.0	0.9		2.8	
	Max	2.5	31.8		5.2	2.4		5.0	
	Mean	1.6	26.9		3.9	1.6		3.7	

\*Station operated seasonally



Gage	24-hr Average Flow (cfs)						
	Oct 6, 2023	Oct 7, 2023	Oct 8, 2023	Oct 9, 2023	Oct 10, 2023	Oct 11, 2023	Oct 12, 2023
The Forks*	156	171	176	181	181	181	185
Talmage USGS 11462080	147	158	164	166	167	167	169
Hopland USGS 11462500	145	152	158	165	167	167	168
Cloverdale USGS 11463000	135	137	145	153	158	159	158
Healdsburg USGS 11464000	133	123	123	128	136	143	143
Hacienda USGS 11467000	163	160	158	168	186	187	188

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

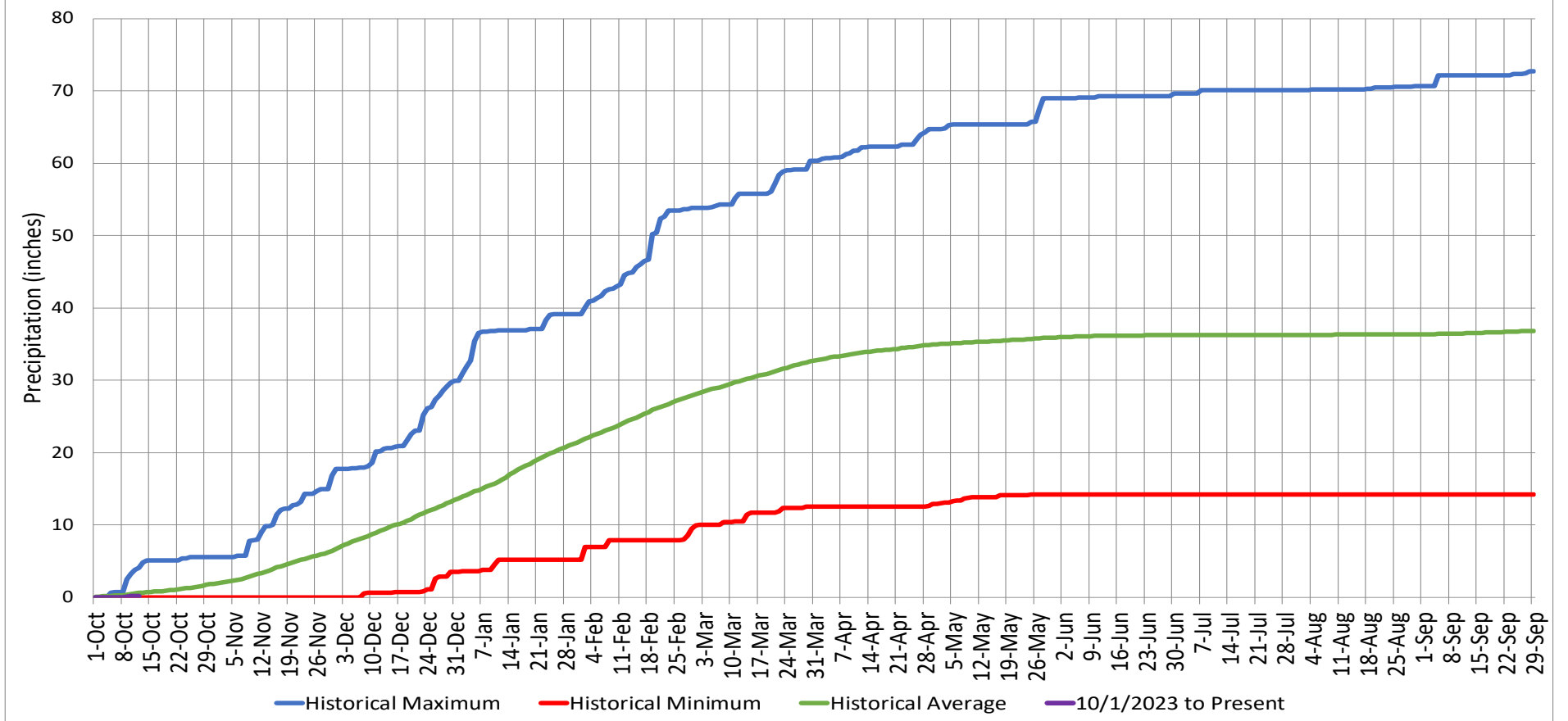


# Precipitation

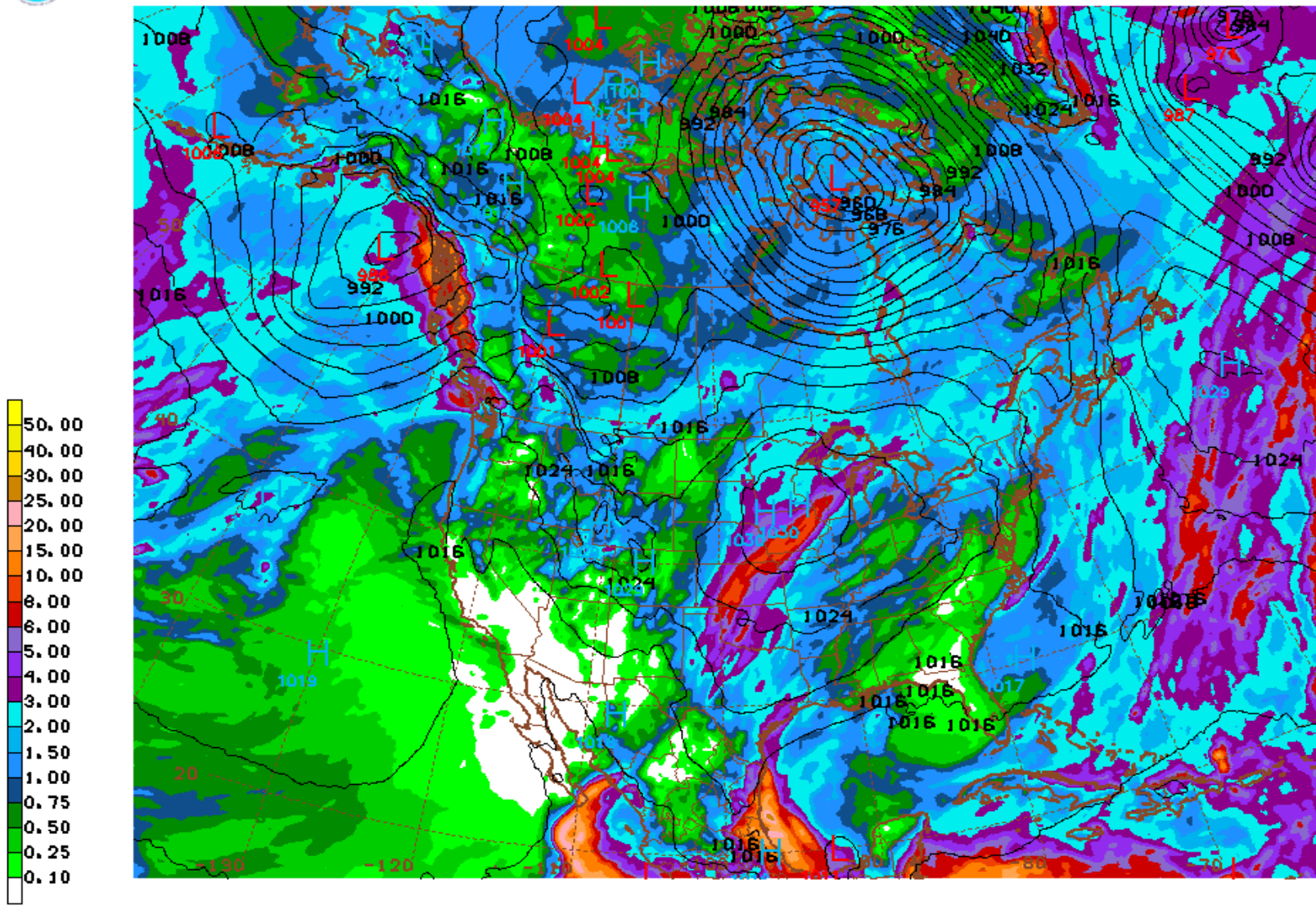
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2023 - Oct 12, 2023	<b>0.14</b>
Last 7 Days*	<b>0.14</b>

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 10/16/23 12UTC 384HR FCST VALID WED 11/01/23 12UTC NOAA/NWS/NCEP

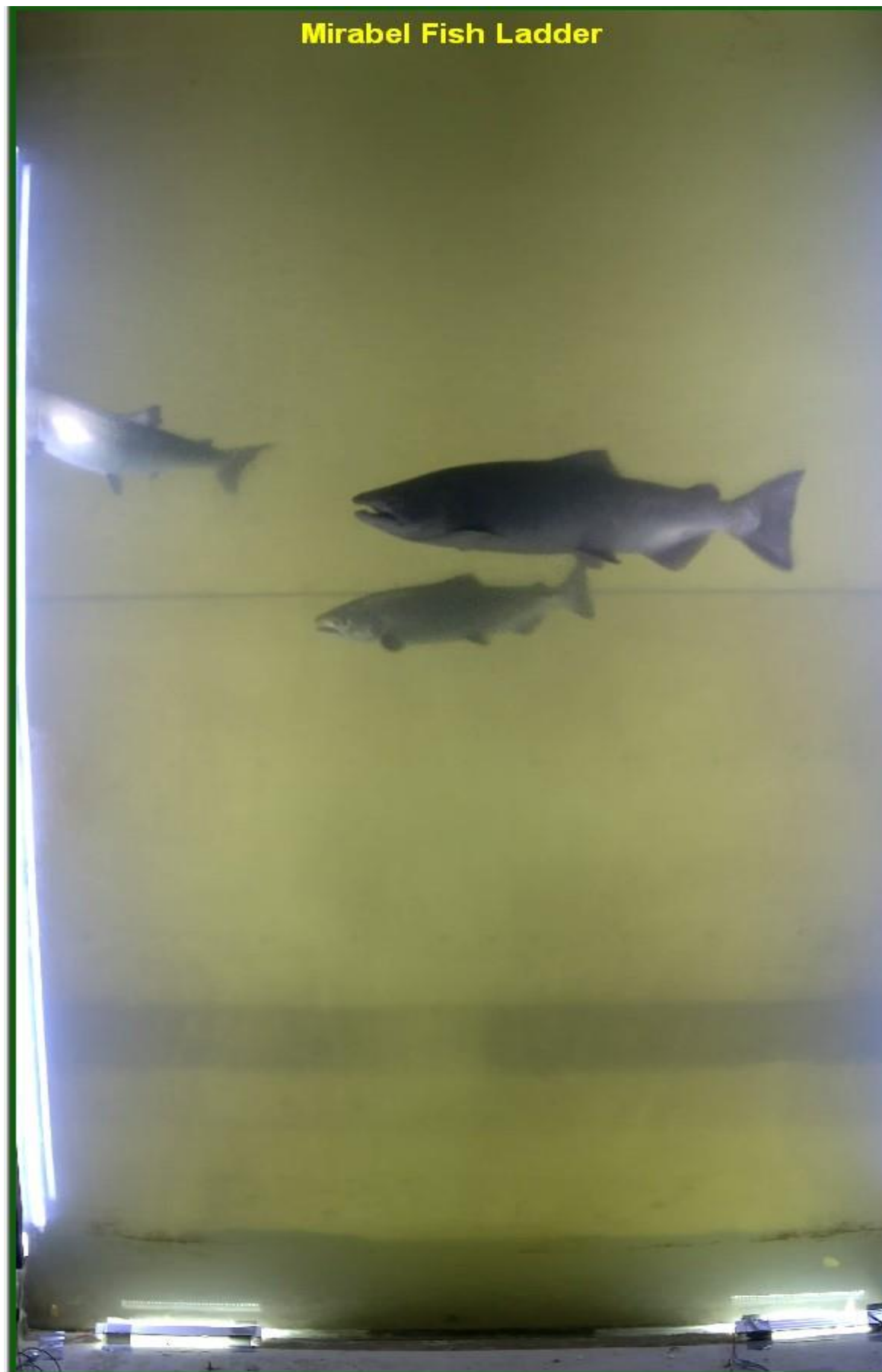


6FS WED 231101/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

Date Range  
Oct 16 - Nov 1, 2023

Forecasted Cumulative (inches)  
**0.11**

## Russian River Fisheries Monitoring



A video camera was installed in the Mirabel Fish ladder on September 1, 2023. Video has been reviewed through October 9, 2023. In total, 94 Chinook have been observed.