



Sonoma Water

State Water Resources Control Board
 Temporary Urgency Change Order (6/14/2021)
 Russian River Hydrologic Report
 September 17, 2021 - September 23, 2021

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).

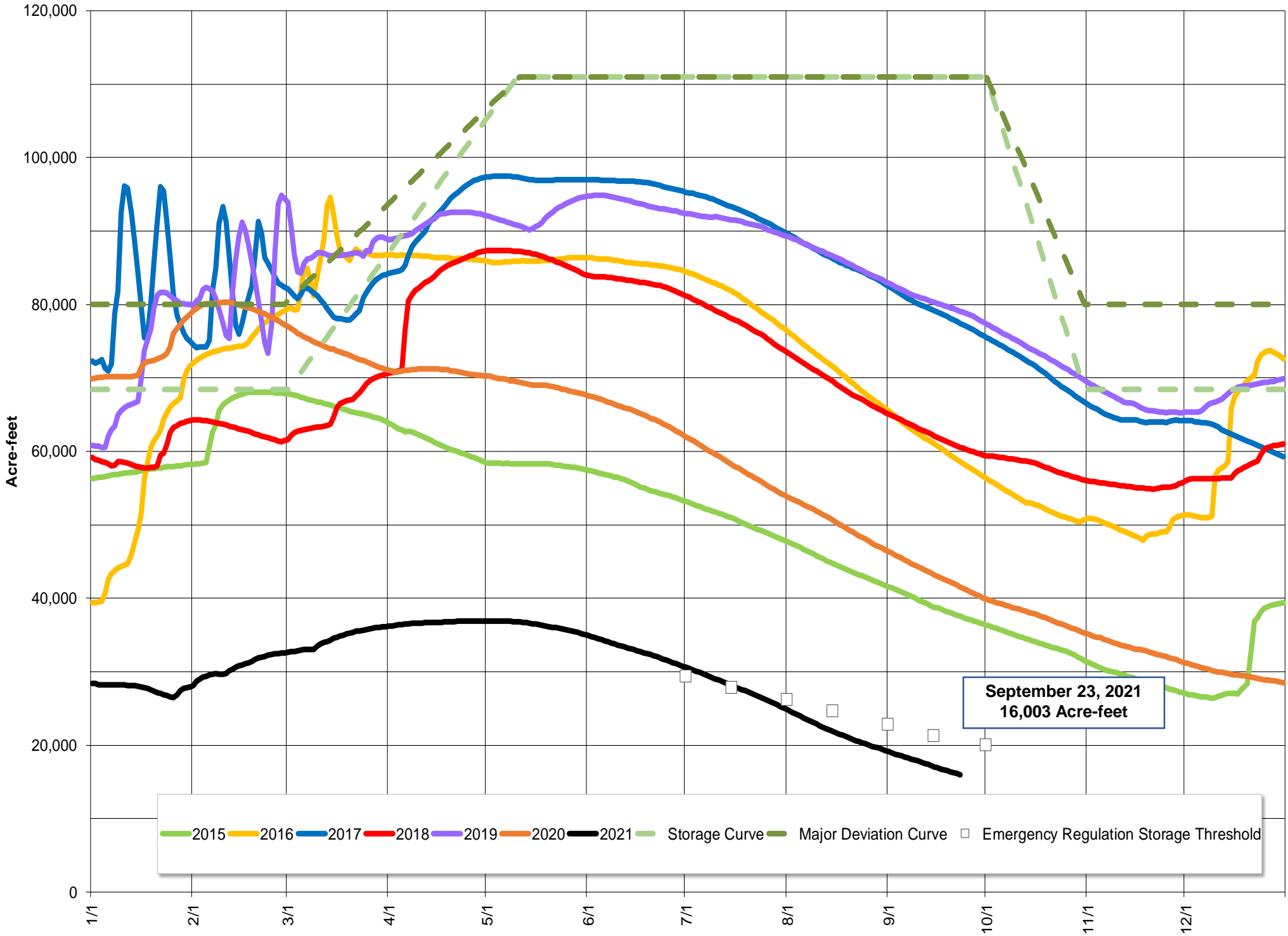
Instream Flow Requirements as of September 23, 2021

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Critical Condition	Upper Russian River	15	25
D-1610: Dry Condition	Dry Creek	25	-
Modified Per Order: Critical Condition	Lower Russian River	25	35

Upper Russian River and Lower Russian River based on criteria as established in the Order issued 6/14/2021.

Lake Mendocino

Lake Mendocino Storage 2015 - 2021 and Storage Curve



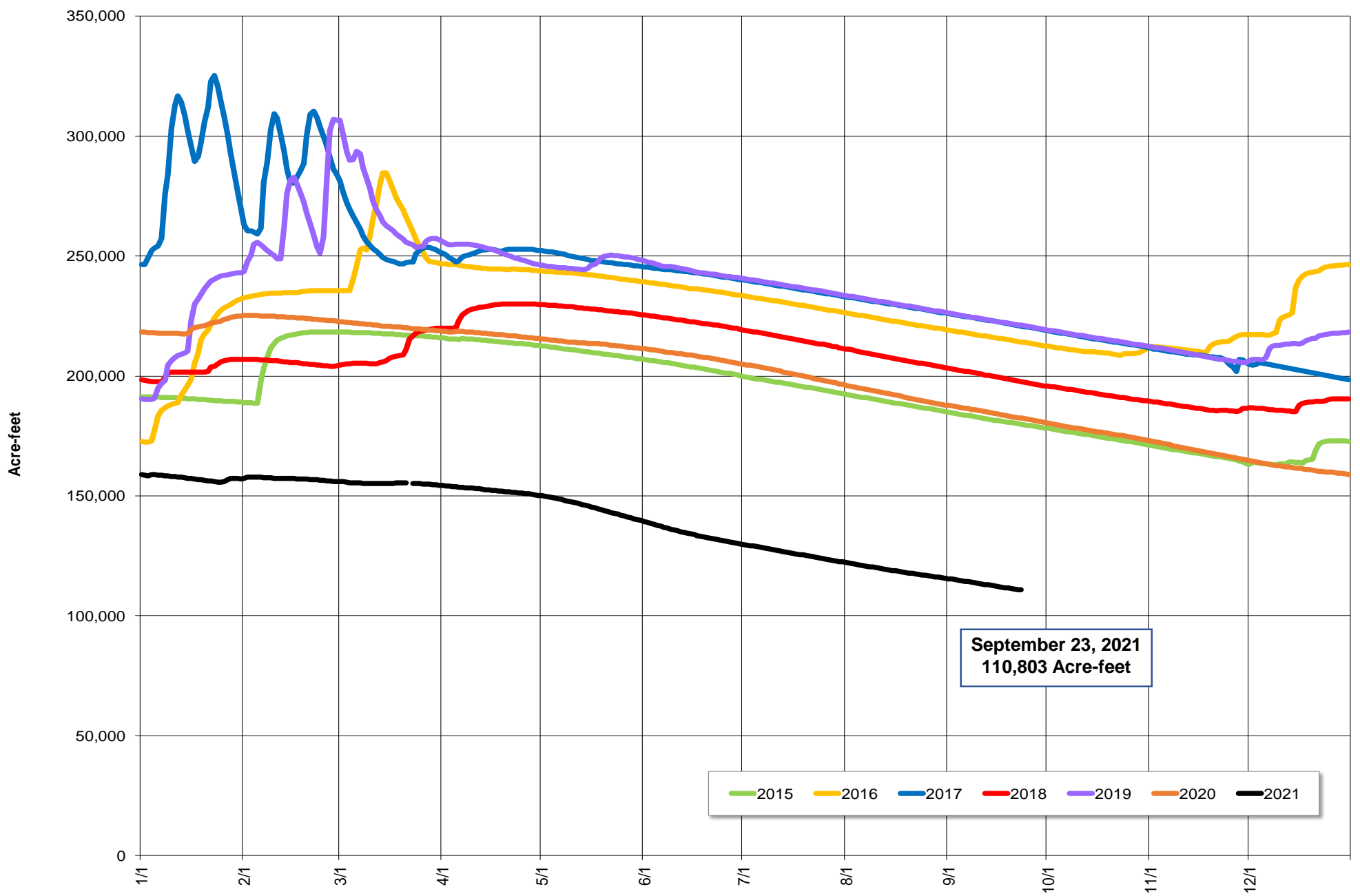
Storage (acre-feet)	September 23, 2021	16,003	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-4,293	-143
	Last 7 days	-761	-109
Daily Inflow (cfs)	Last 7 days	Min	12
		Max	26
		Mean	19
Release (cfs)	Last 7 days	Min	77
		Max	82
		Mean	79

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2021



Storage (acre-feet)	September 23, 2021	110,803	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-6,288	-210
	Last 7 days	-1,133	-162
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	9
		Mean	0
Release (cfs)	Last 7 days	Min	77
		Max	92
		Mean	86

Potter Valley Project

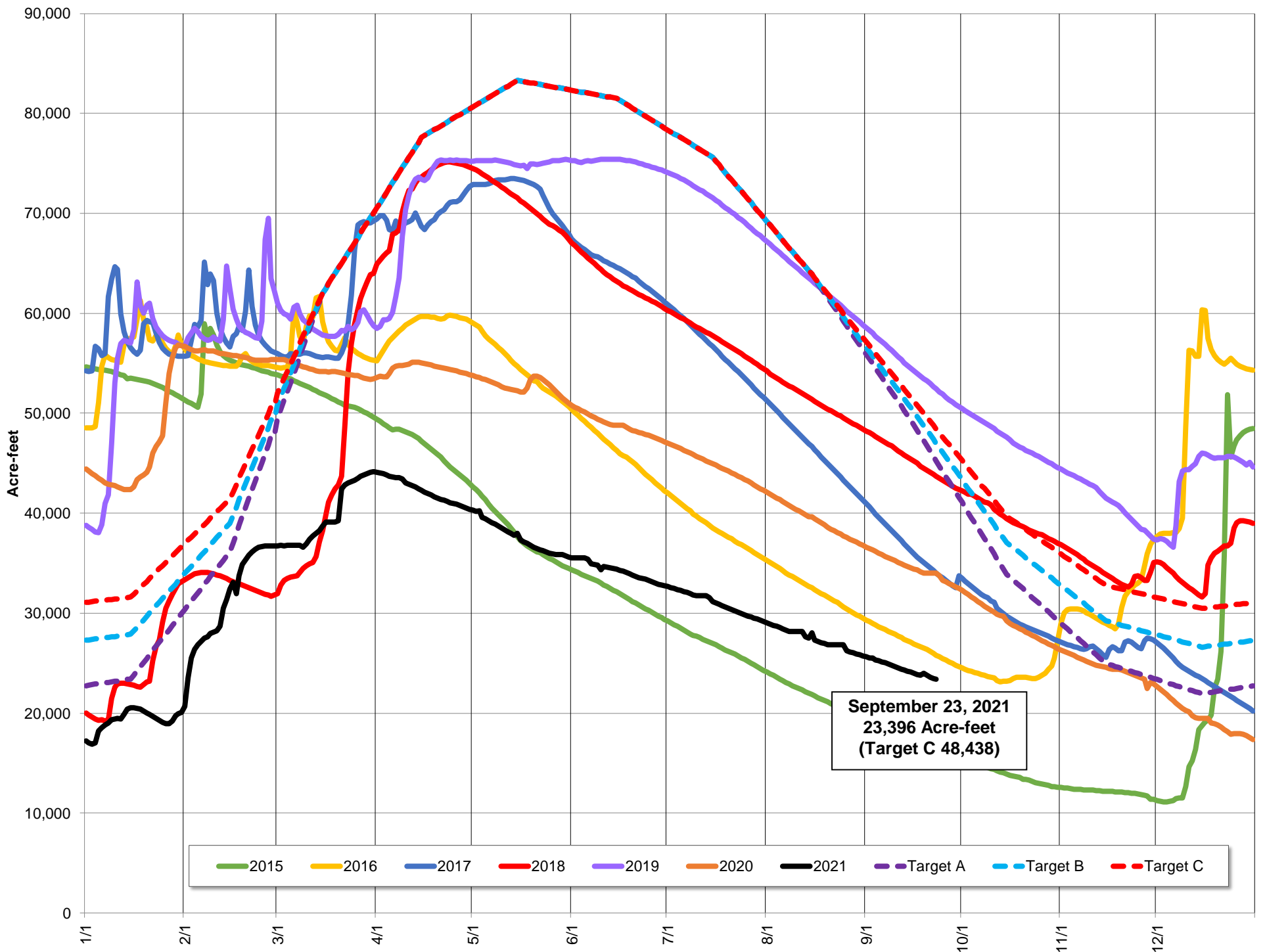
PVP Diversion (cfs)	September 23, 2021	29
---------------------	--------------------	----

Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2020 - September 23, 2021	83,570	234
	Last 7 days	327	47

*Inflow calculation based on criteria established in D1610

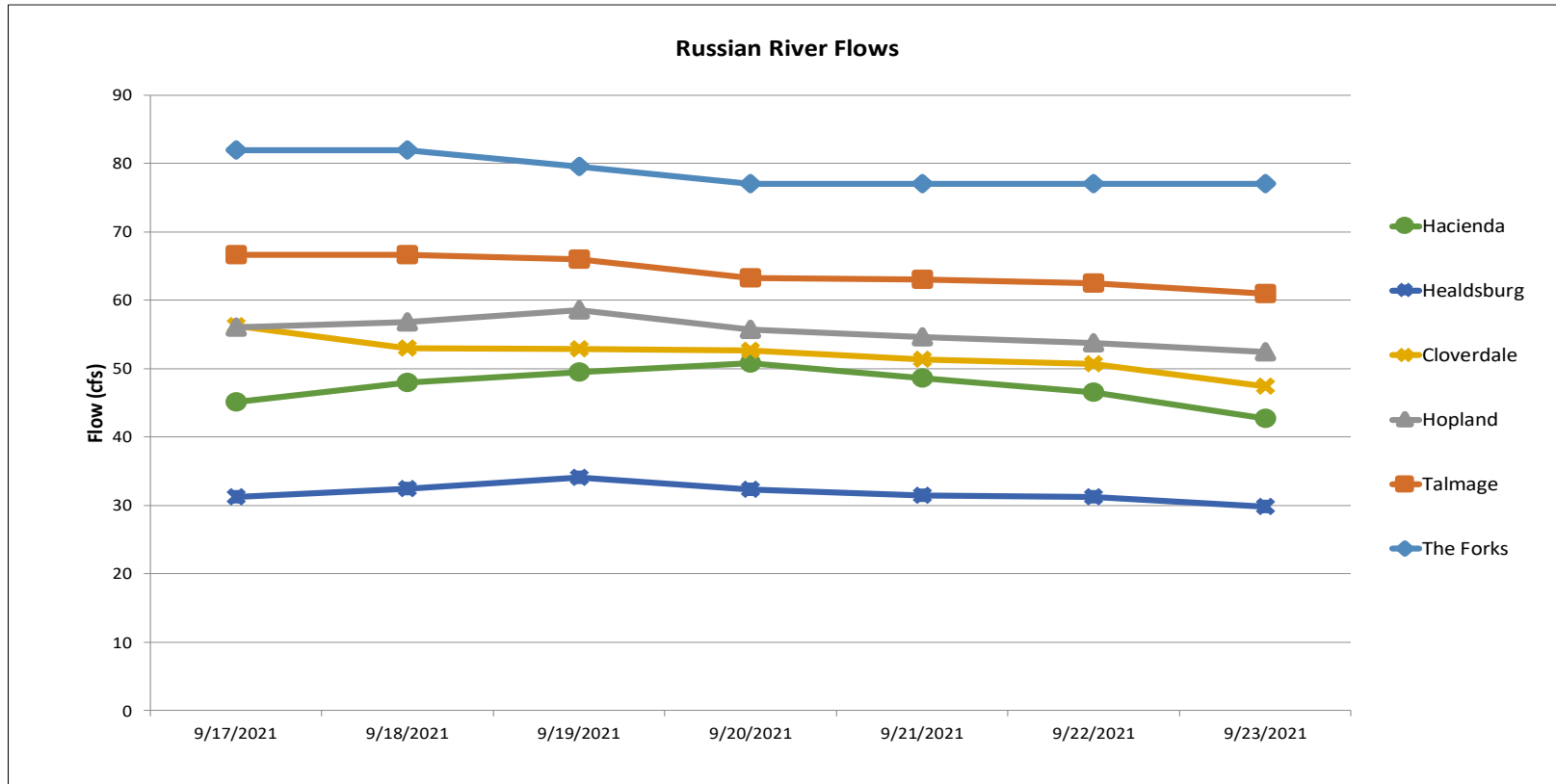
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



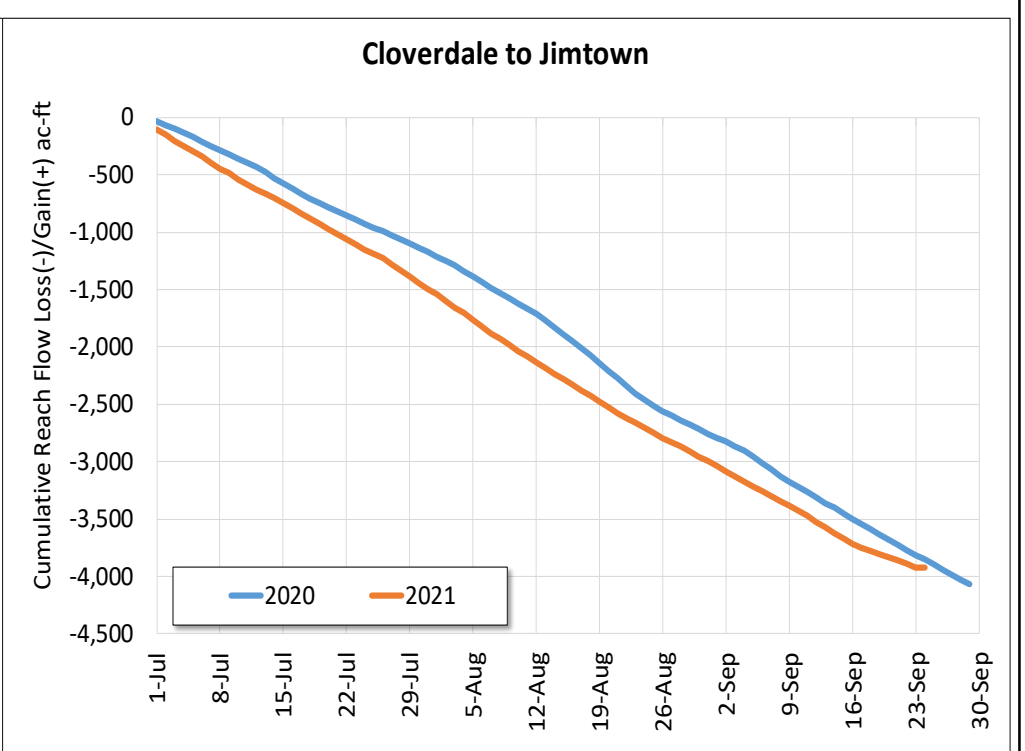
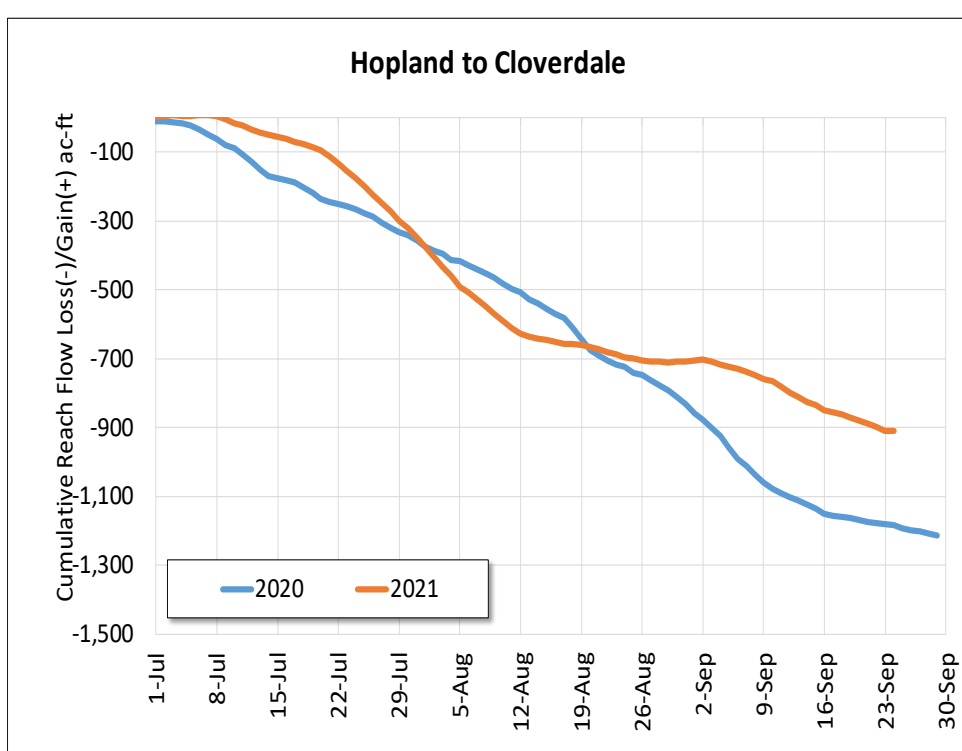
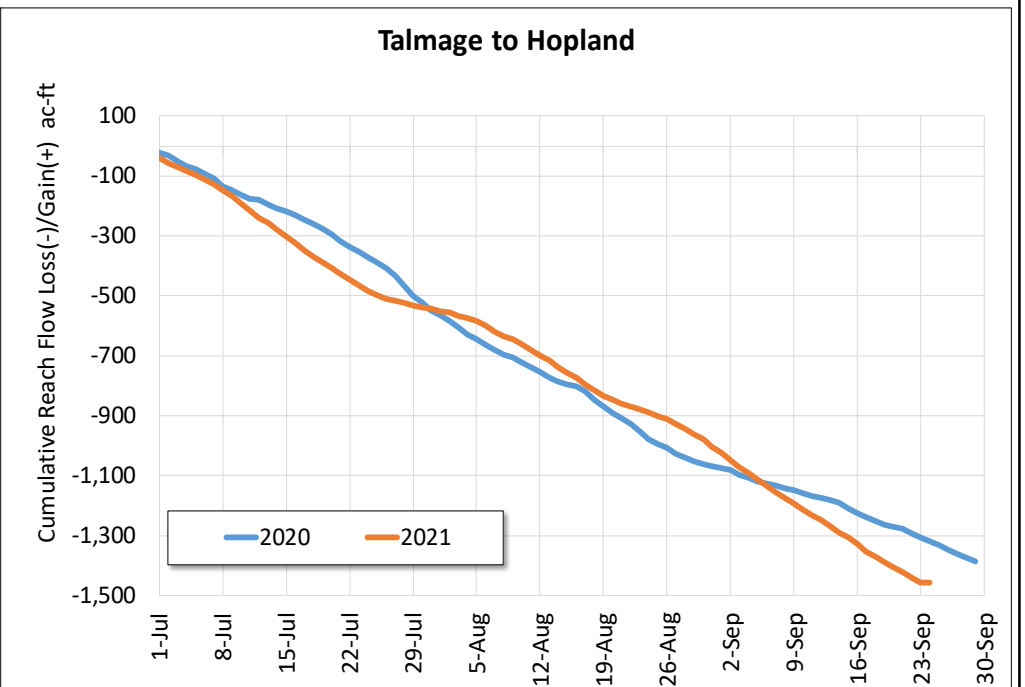
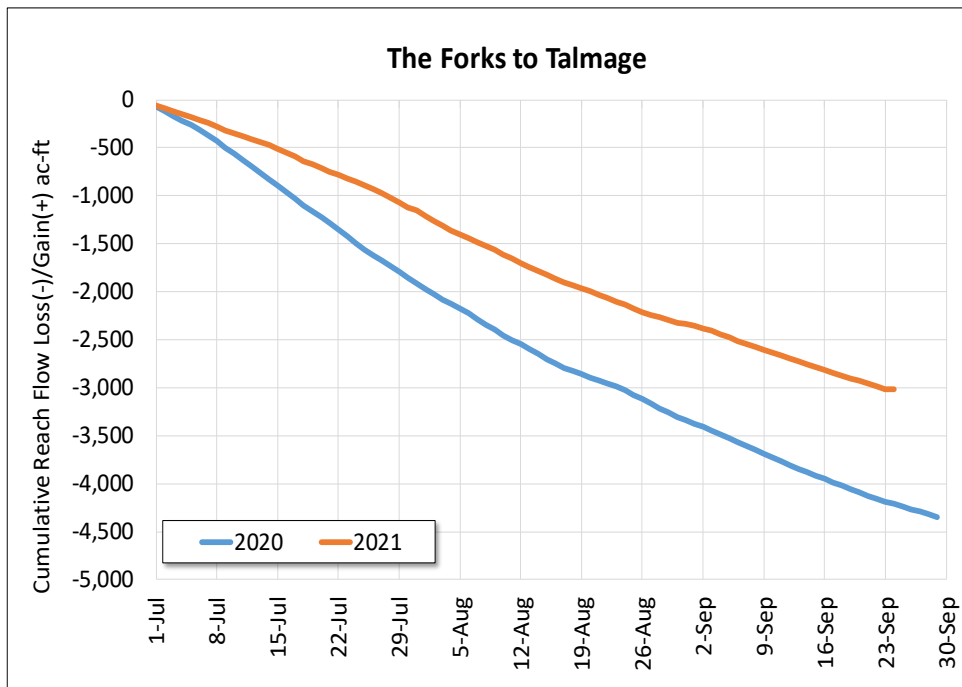
Russian River Flows (September 17 - September 23, 2021)

Gage	24-hr Average Flow (cfs)						
	Sep 17, 2021	Sep 18, 2021	Sep 19, 2021	Sep 20, 2021	Sep 21, 2021	Sep 22, 2021	Sep 23, 2021
The Forks*	82	82	80	77	77	77	77
Talmage USGS 11462080	67	67	66	63	63	63	61
Hopland USGS 11462500	56	57	59	56	55	54	53
Cloverdale USGS 11463000	56	53	53	53	51	51	47
Healdsburg USGS 11464000	31	32	34	32	32	31	30
Hacienda USGS 11467000	45	48	50	51	49	47	43

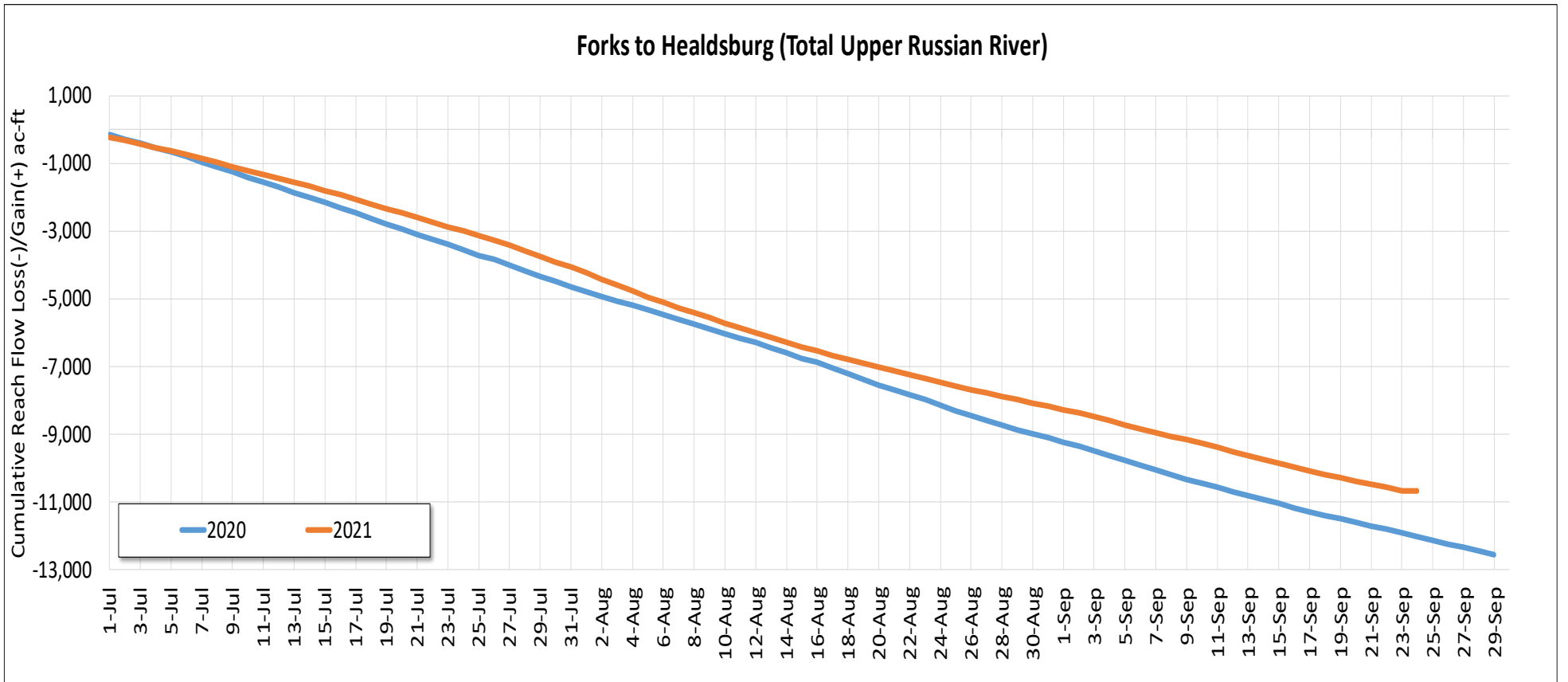
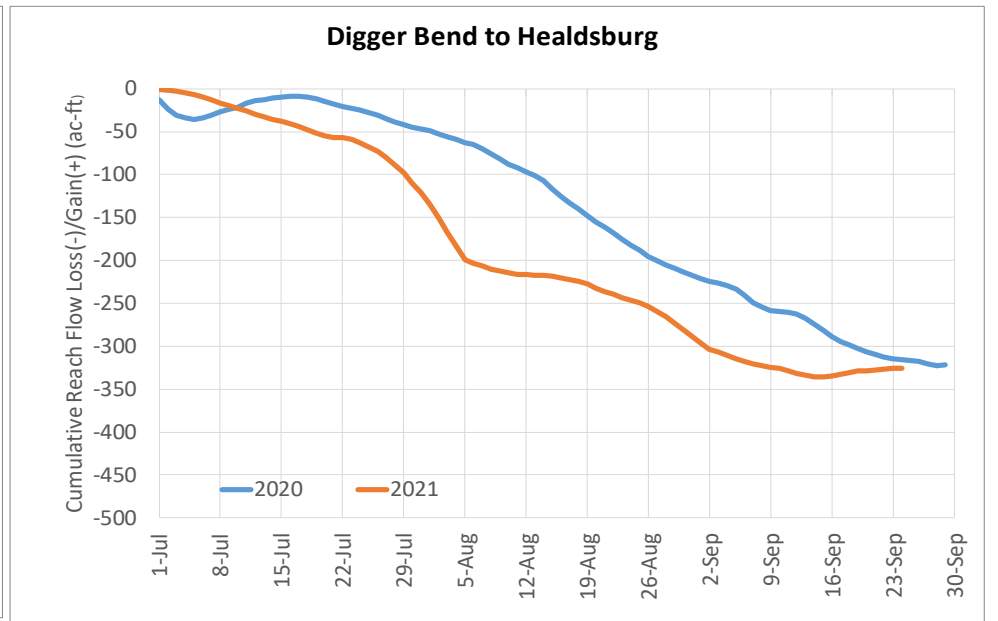
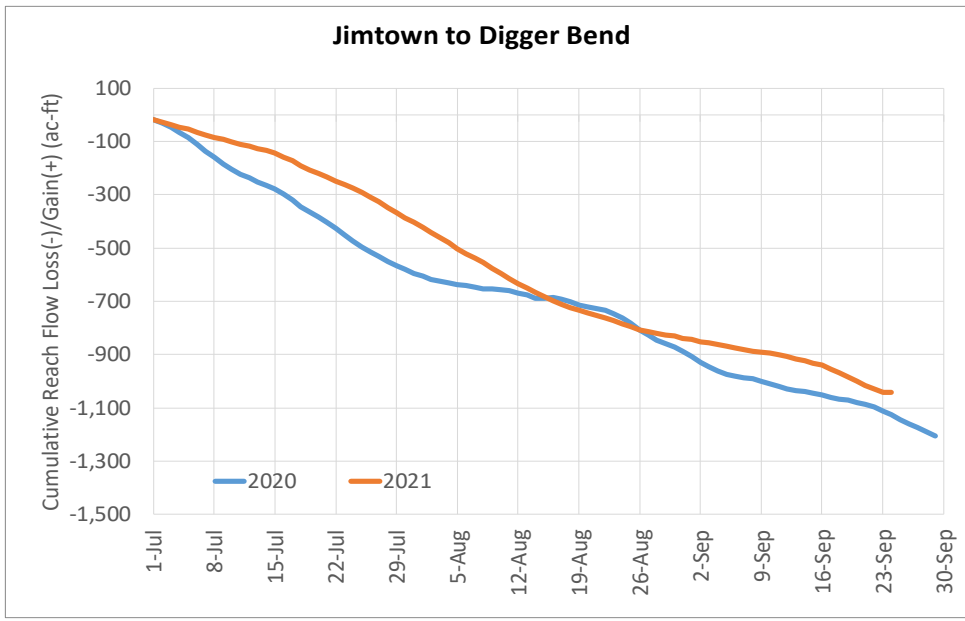
*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



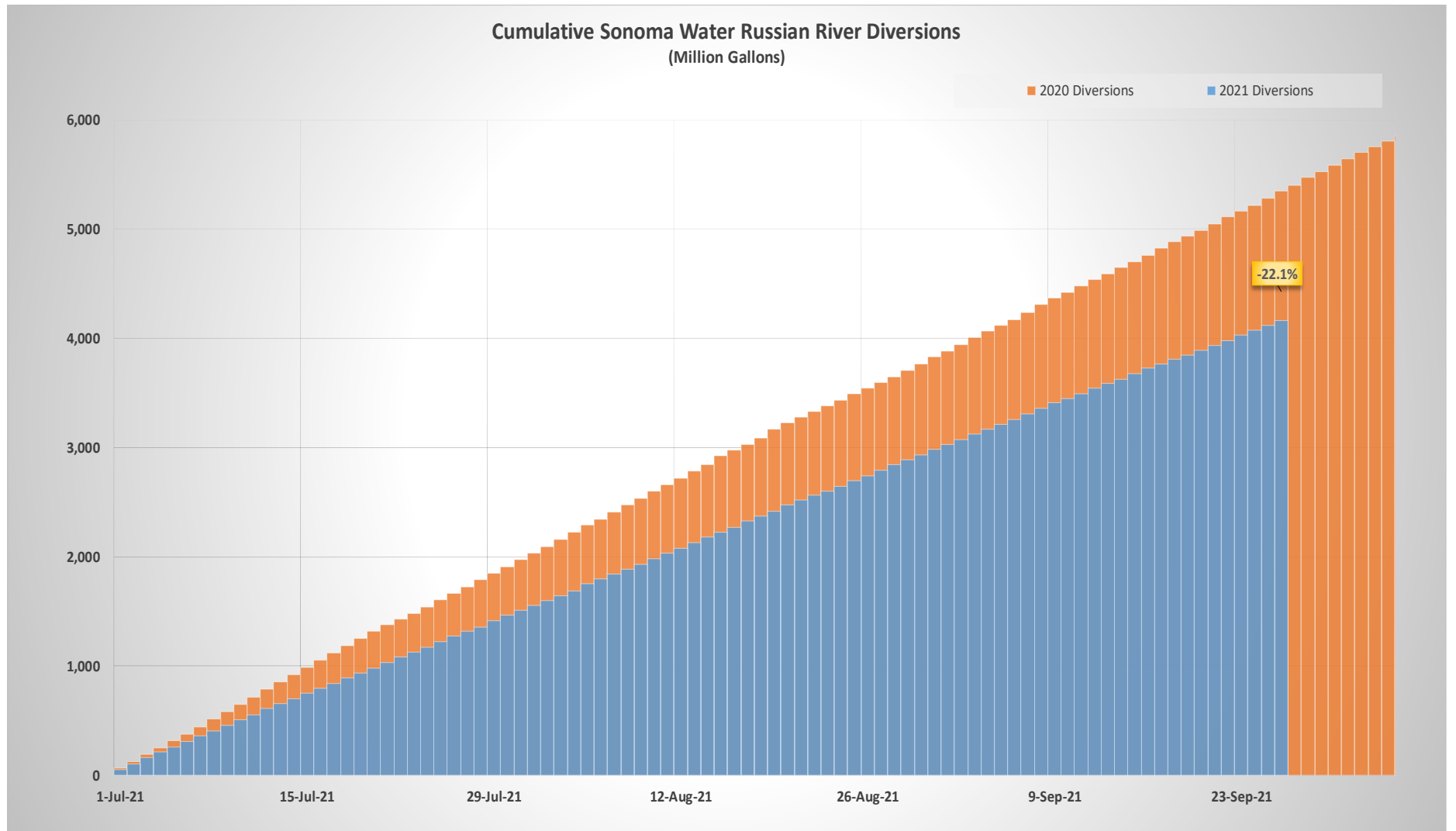
Upper Russian River Flow Gain/Loss (July 1 - September 23, 2021)



Upper Russian River Flow Gain/Loss (July 1 - September 23, 2021)



Sonoma Water River Diversions (July 1 - September 23, 2021)



Russian River Fisheries Monitoring

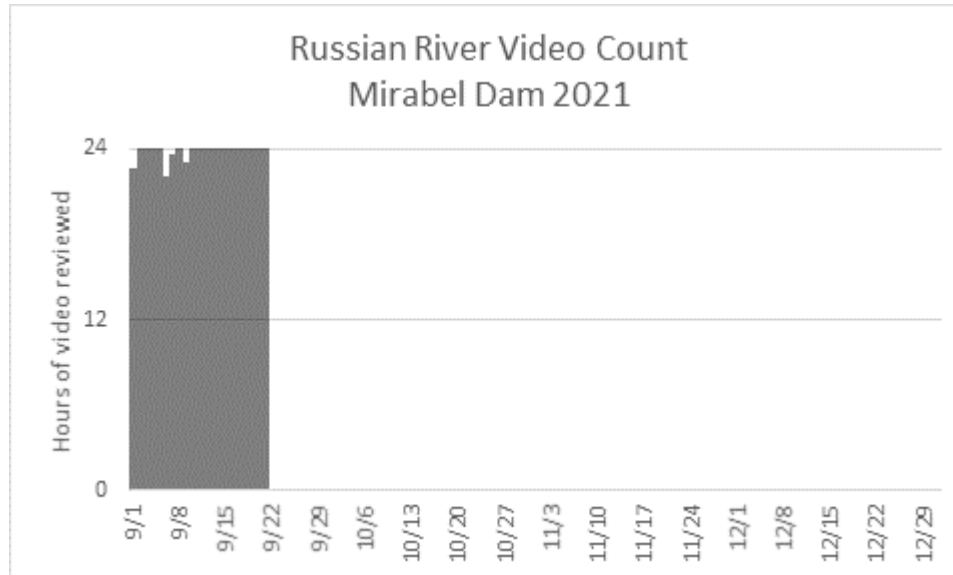


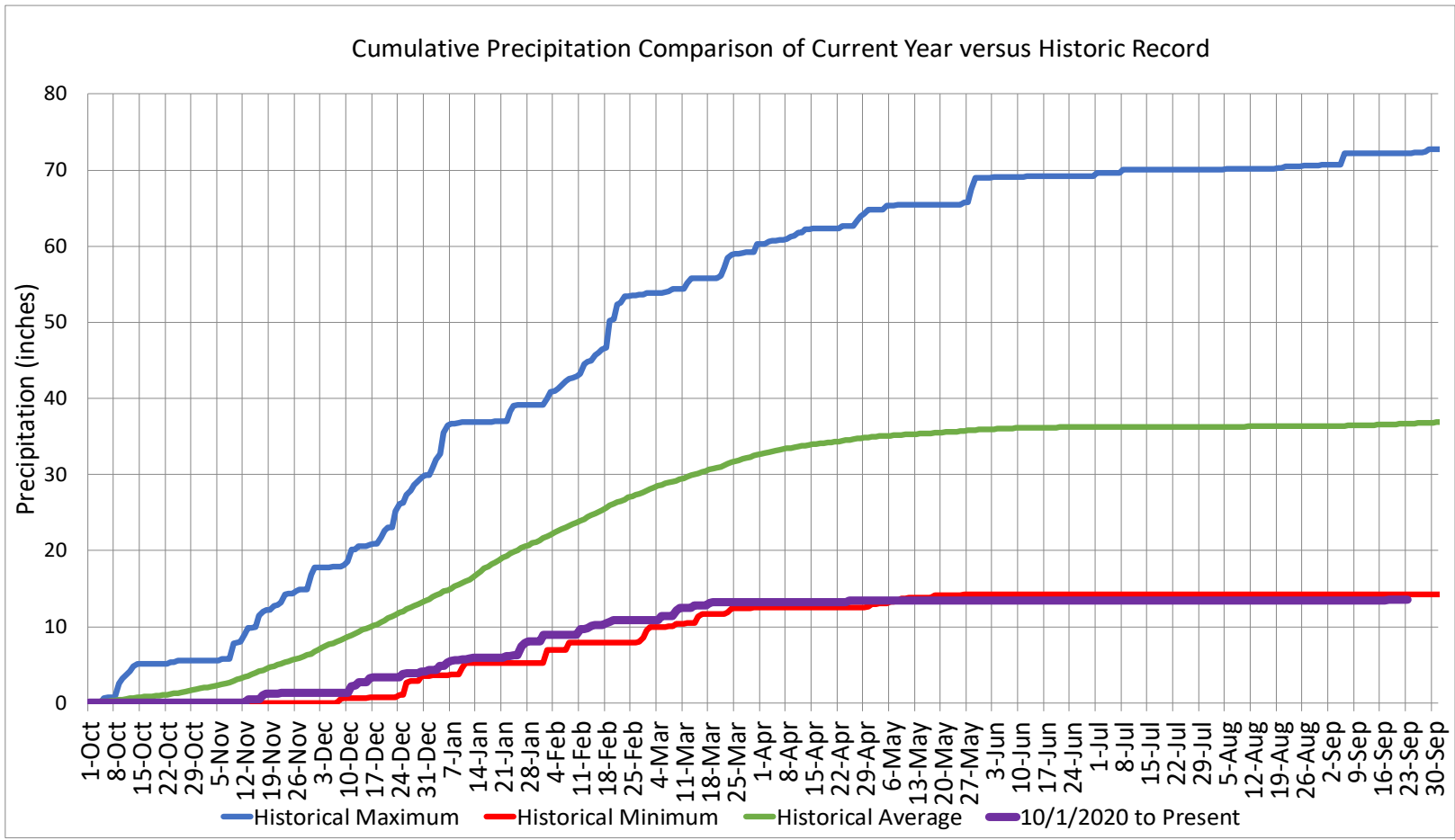
Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

Species	Number of fish
Chinook	1
Coho	0
Steelhead	0

Table 1. The number of adult salmonids observed on video collected at the Mirabel dam on the Russian River (9/1/21-9/21/21).

Precipitation

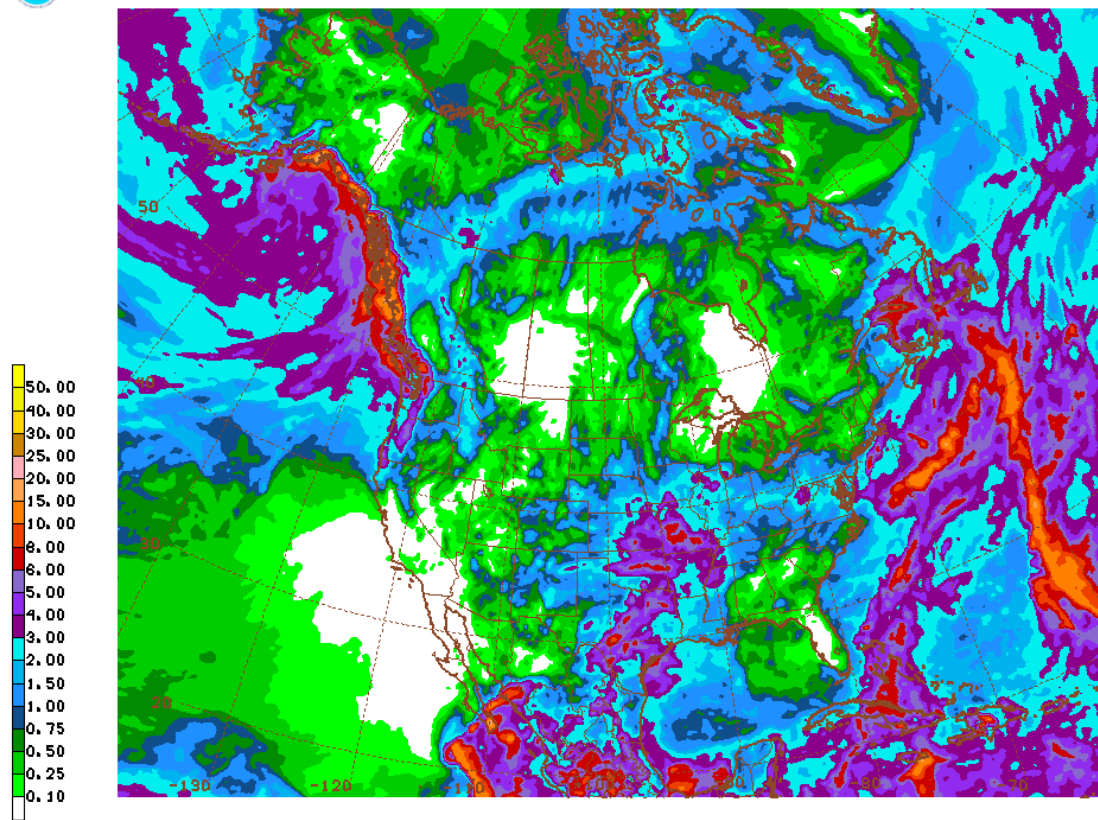
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2020 - Sep 23, 2021	13.53
Last 7 Days*	0.05



Global Forecast System Model 16-day Cumulative Precipitation Forecast



GFS 09/27/21 12UTC 384HR FCST VALID WED 10/13/21 12UTC NOAA/NWS/NCEP



GFS WED 211013/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Sep 27 - Oct 13, 2021	0.0