



**Sonoma
Water**

State Water Resources Control Board
 Temporary Urgency Change Order (6/14/2021)
 Russian River Hydrologic Report
 October 15, 2021 - October 21, 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).

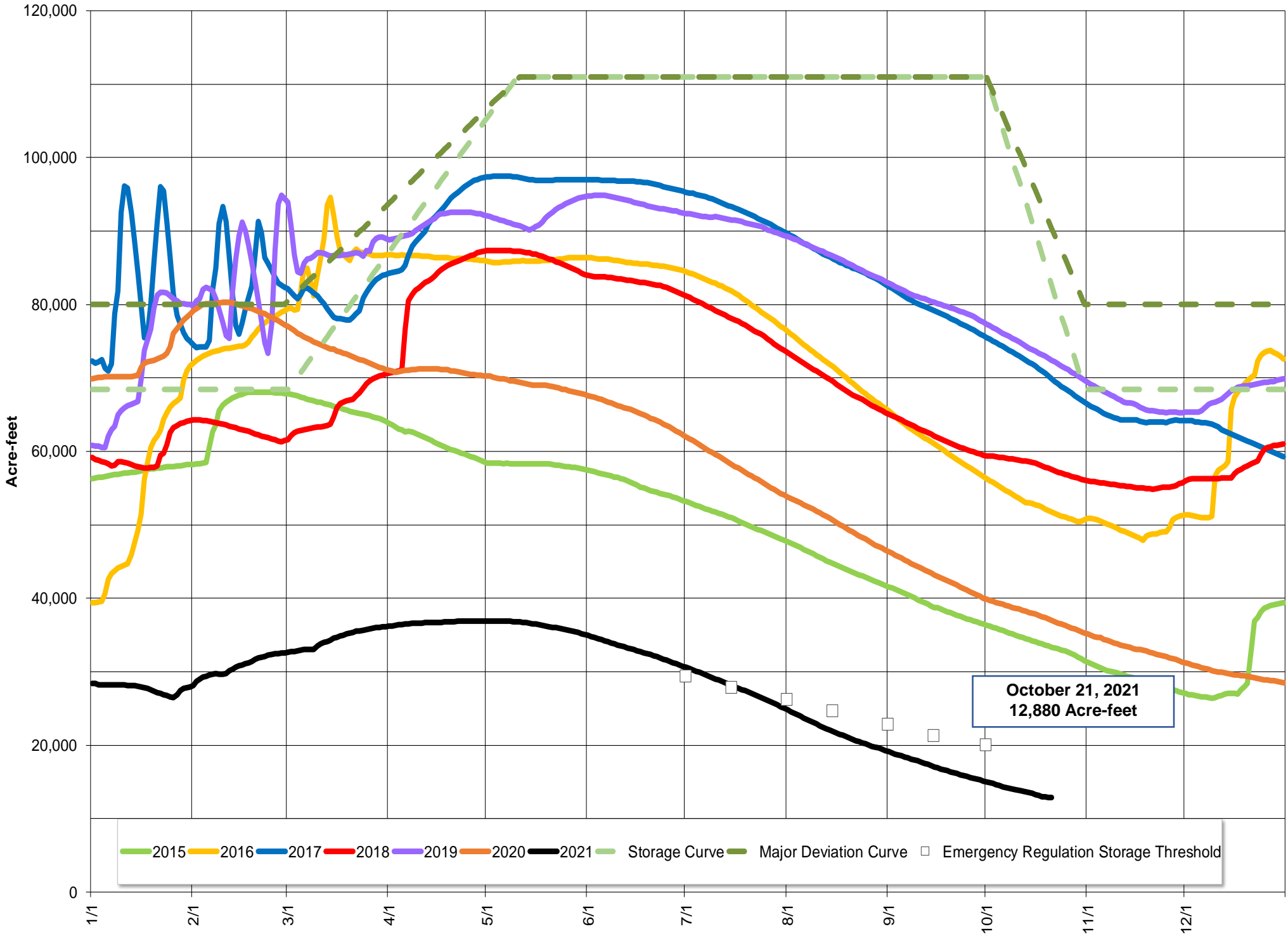
Instream Flow Requirements as of October 21, 2021

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



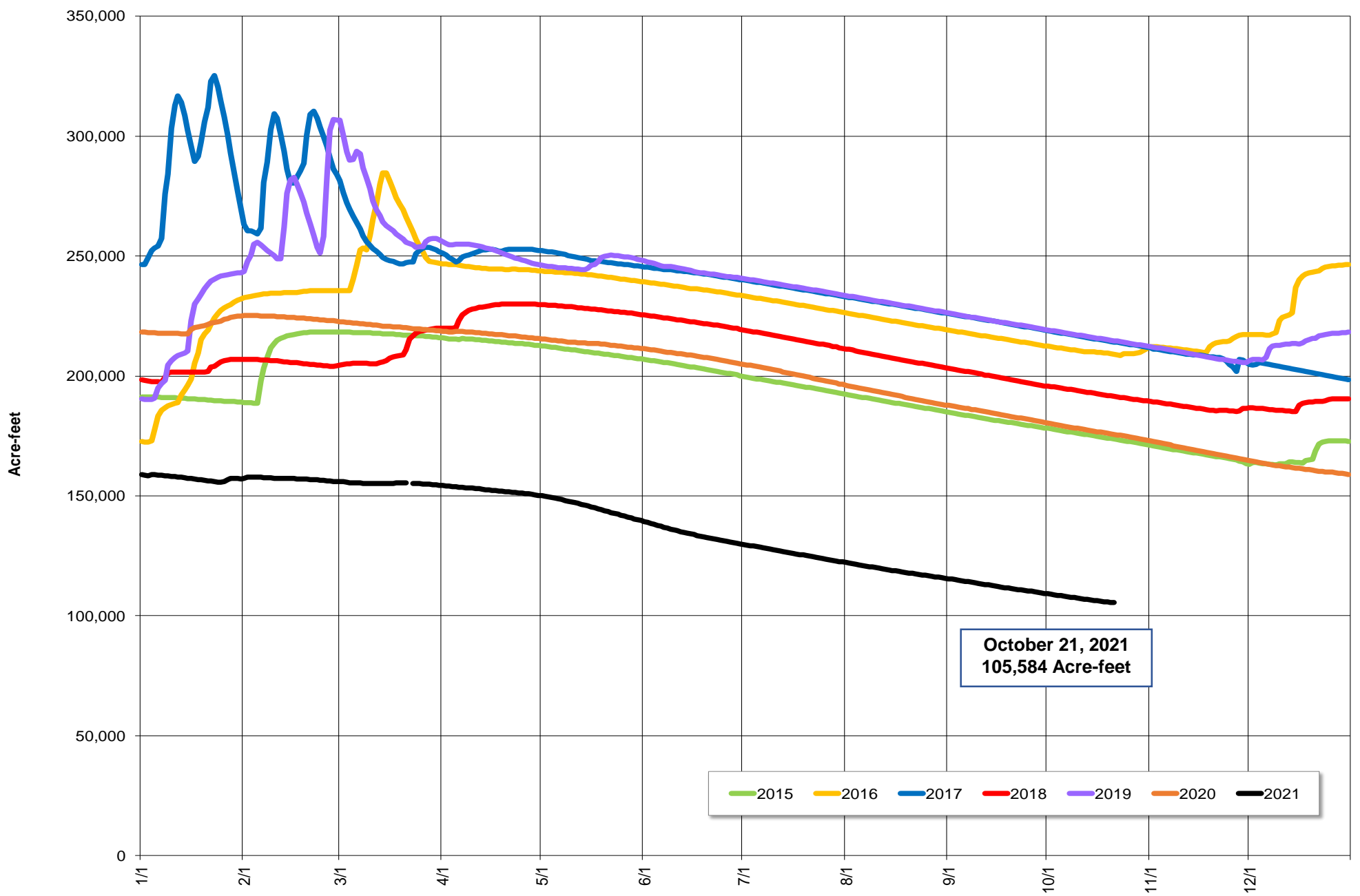
Storage (acre-feet)	October 21, 2021	12,880	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,370	-112
	Last 7 days	-555	-79
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	45
		Mean	19
Release (cfs)	Last 7 days	Min	51
		Max	69
		Mean	61

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2021



Storage (acre-feet)	October 21, 2021	105,584	
Change in Storage (acre-feet)	Last 30 days	-5,606	-187
	Last 7 days	-856	-122
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	59
		Mean	22
Release (cfs)	Last 7 days	Min	87
		Max	87
		Mean	87

Potter Valley Project

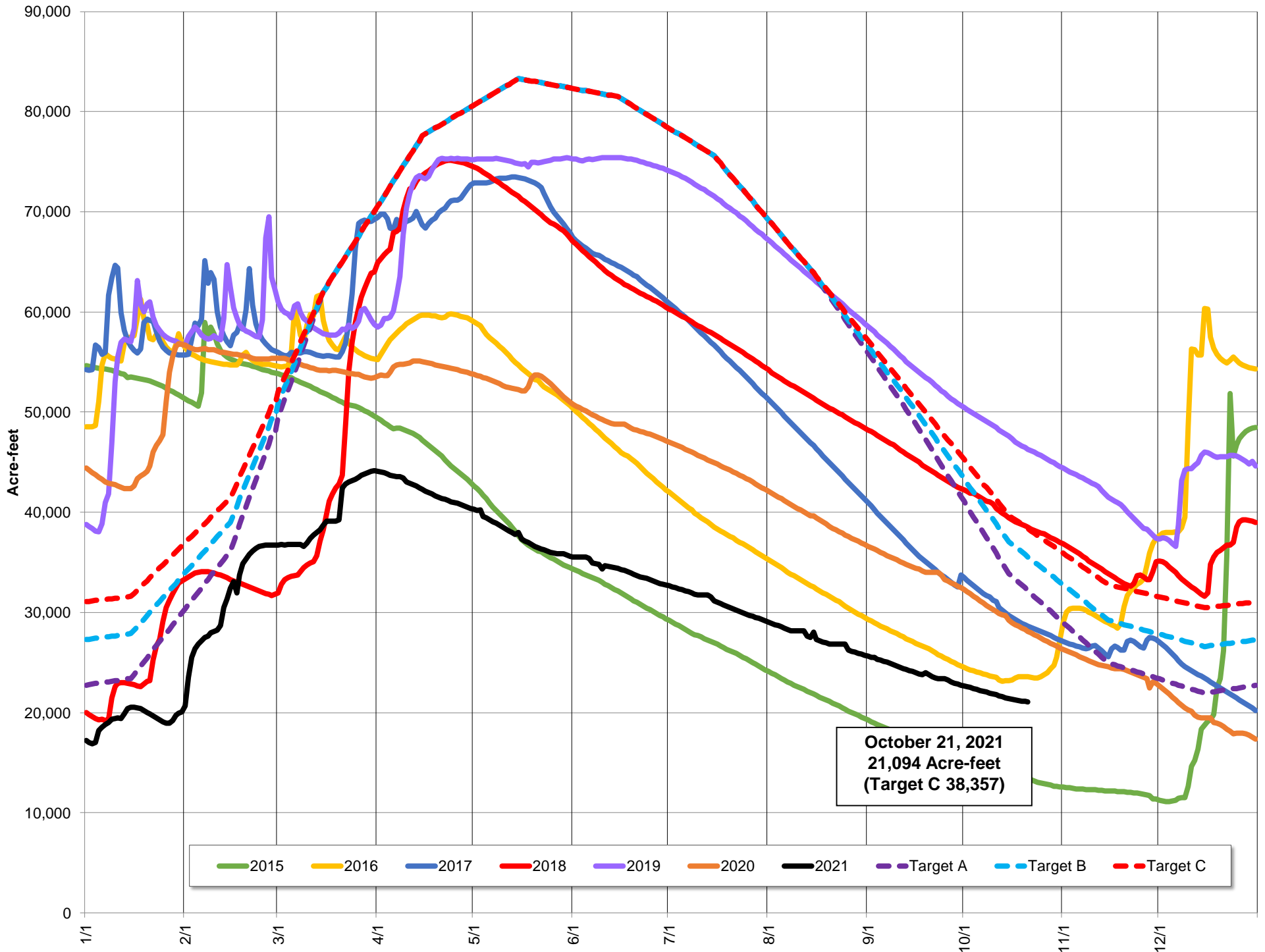
PVP Diversion (cfs)	October 21, 2021	10
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - October 21, 2021	401	19
	Last 7 days	267	38

*Inflow calculation based on criteria established in D1610

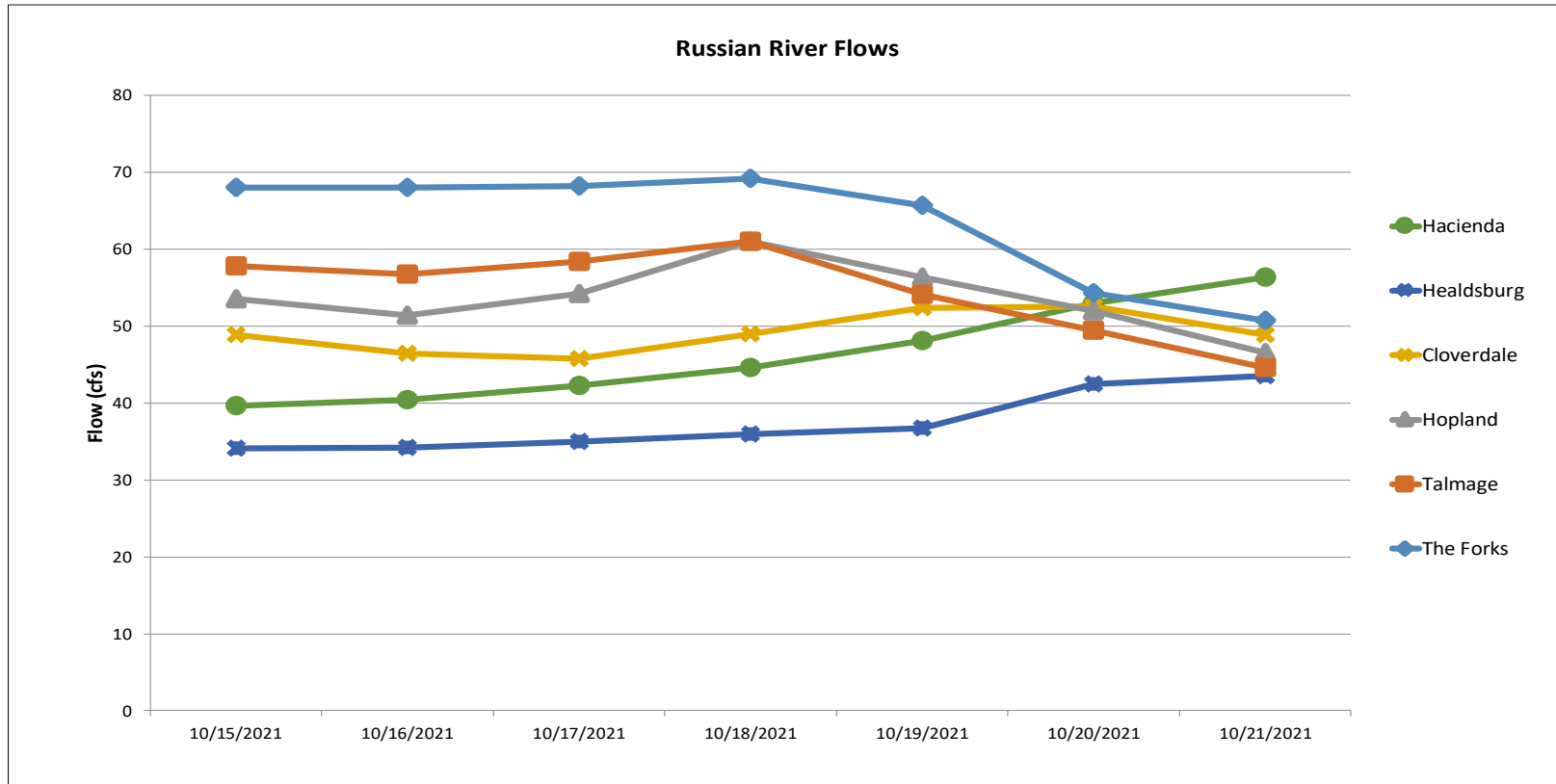
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



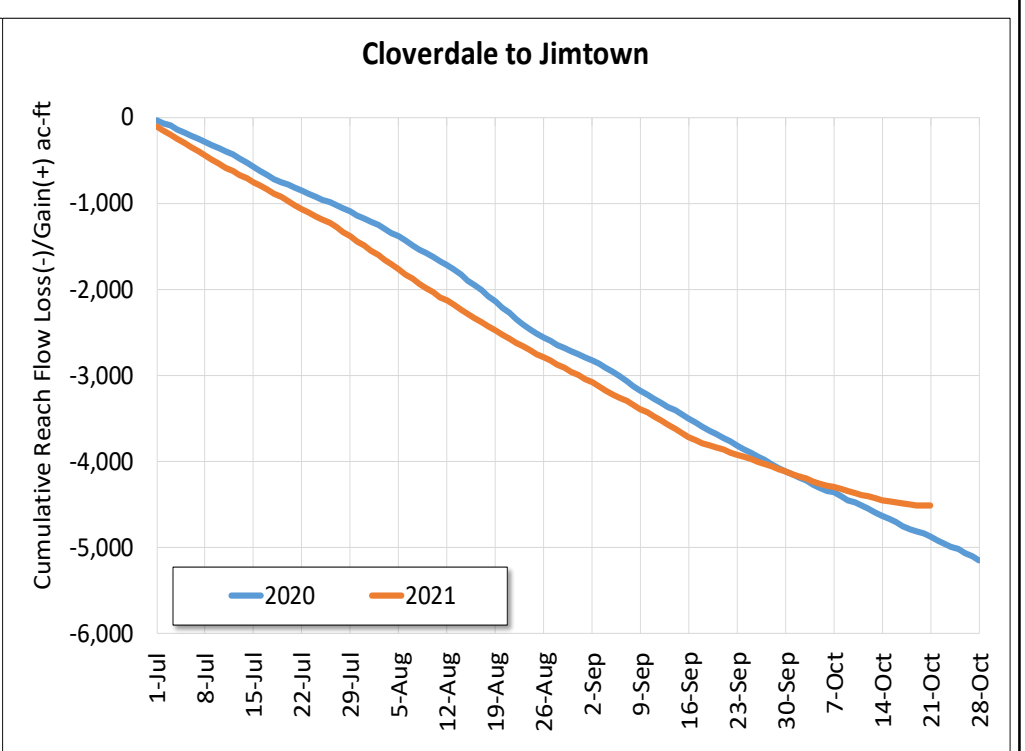
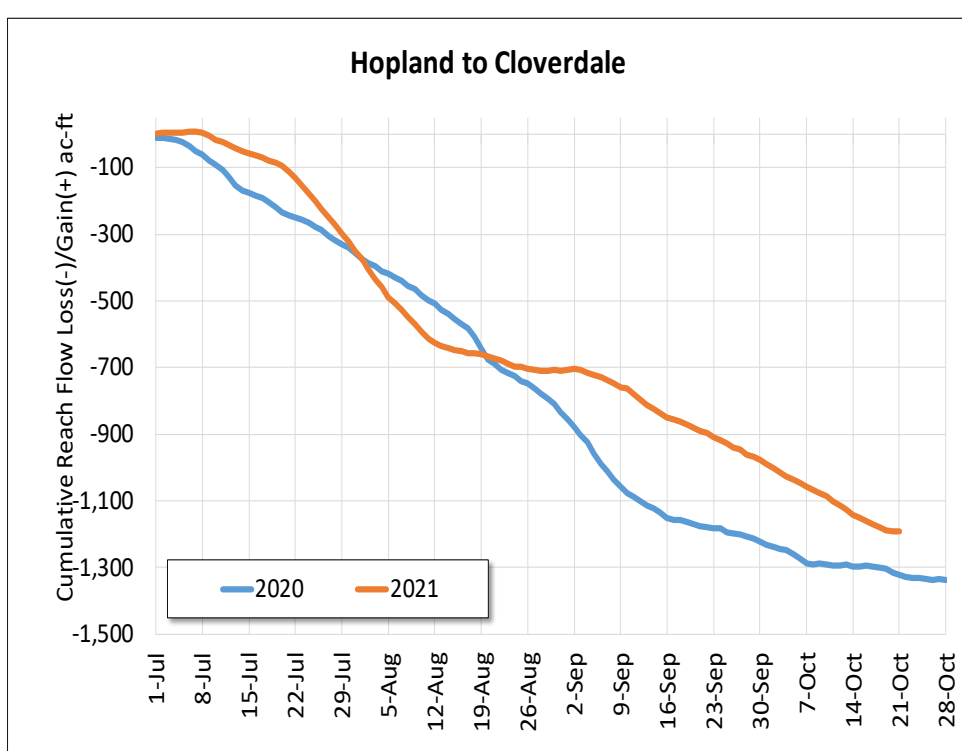
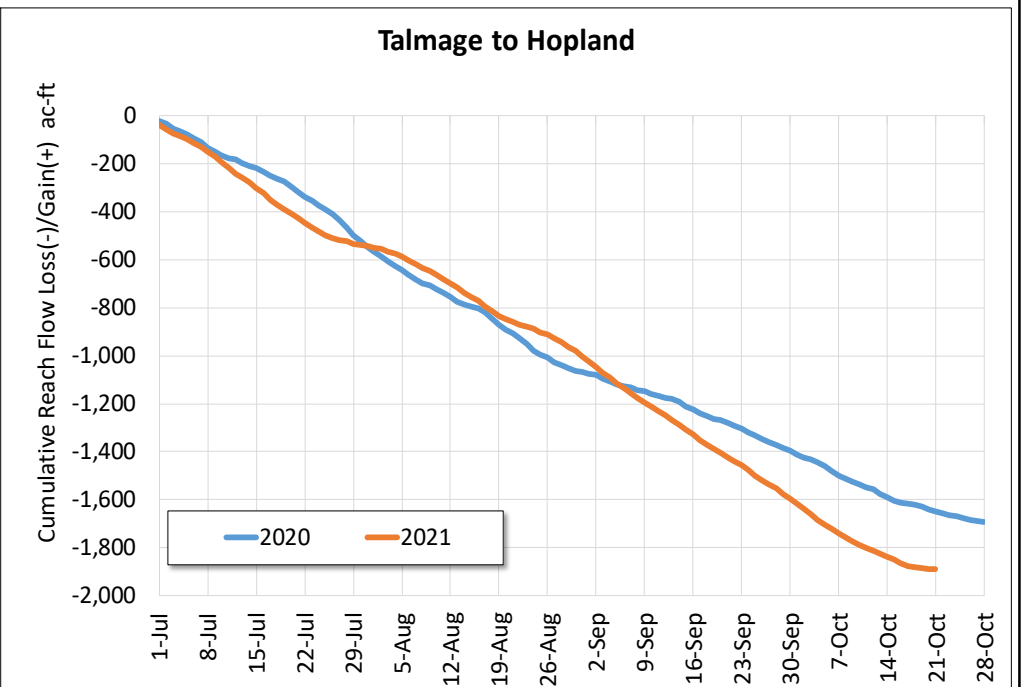
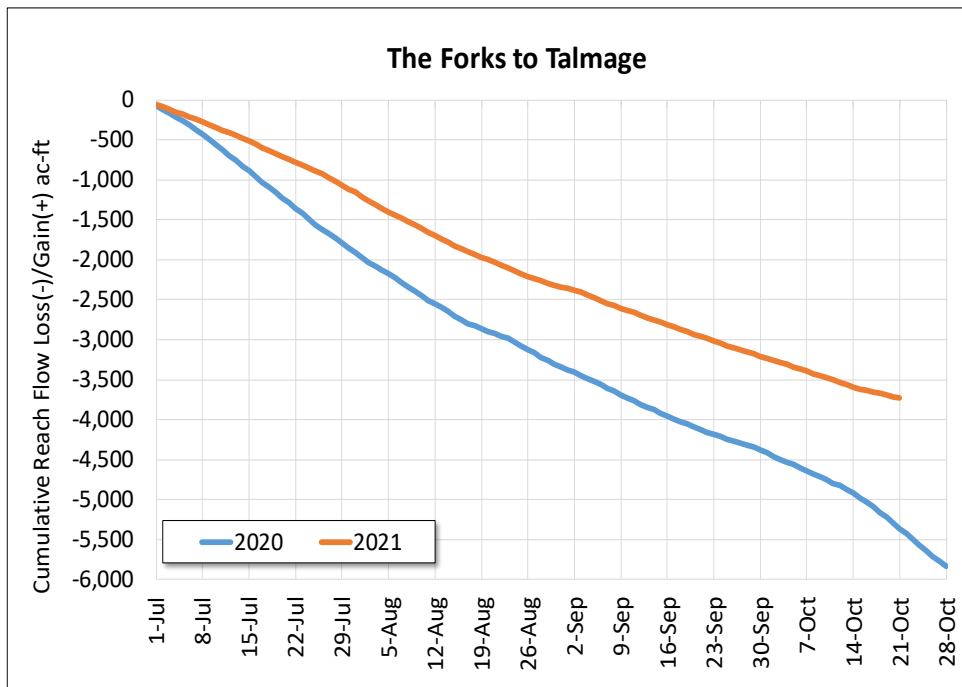
Russian River Flows (October 15 - October 21, 2021)

Gage	24-hr Average Flow (cfs)						
	Oct 15, 2021	Oct 16, 2021	Oct 17, 2021	Oct 18, 2021	Oct 19, 2021	Oct 20, 2021	Oct 21, 2021
The Forks*	68	68	68	69	66	54	51
Talmage USGS 11462080	58	57	58	61	54	49	45
Hopland USGS 11462500	54	51	54	61	56	52	47
Cloverdale USGS 11463000	49	46	46	49	52	53	49
Healdsburg USGS 11464000	34	34	35	36	37	42	44
Hacienda USGS 11467000	40	40	42	45	48	53	56

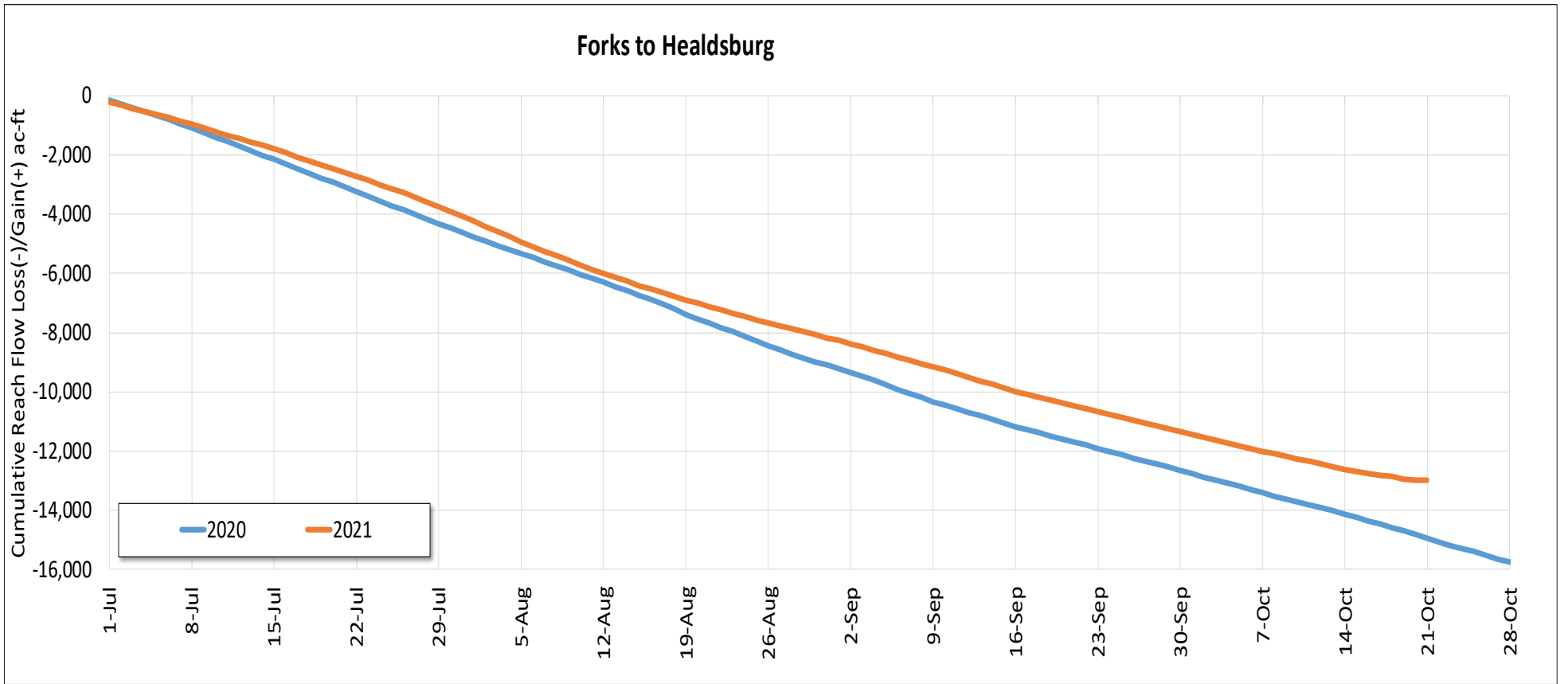
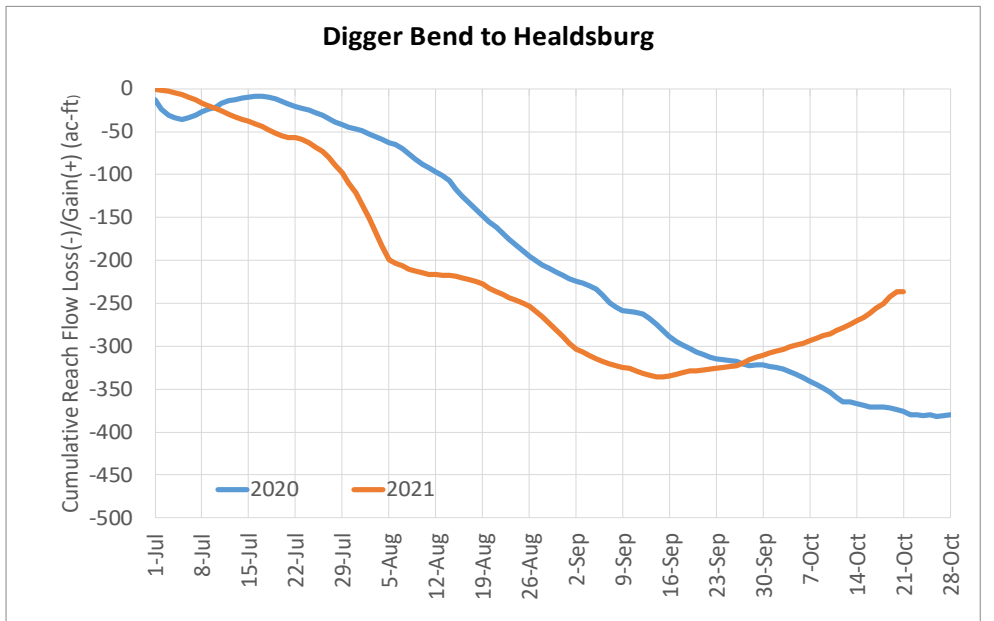
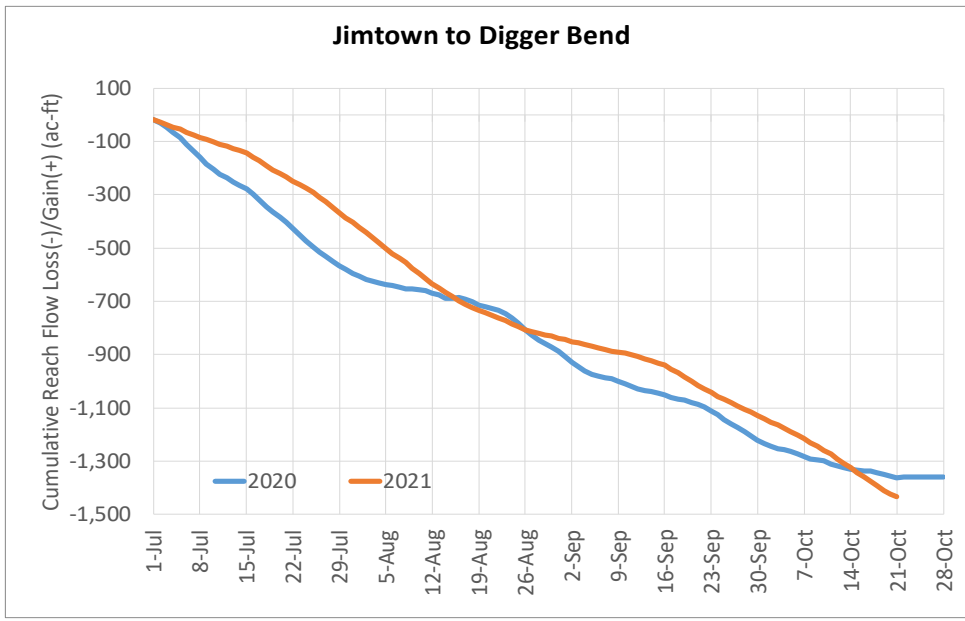
*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



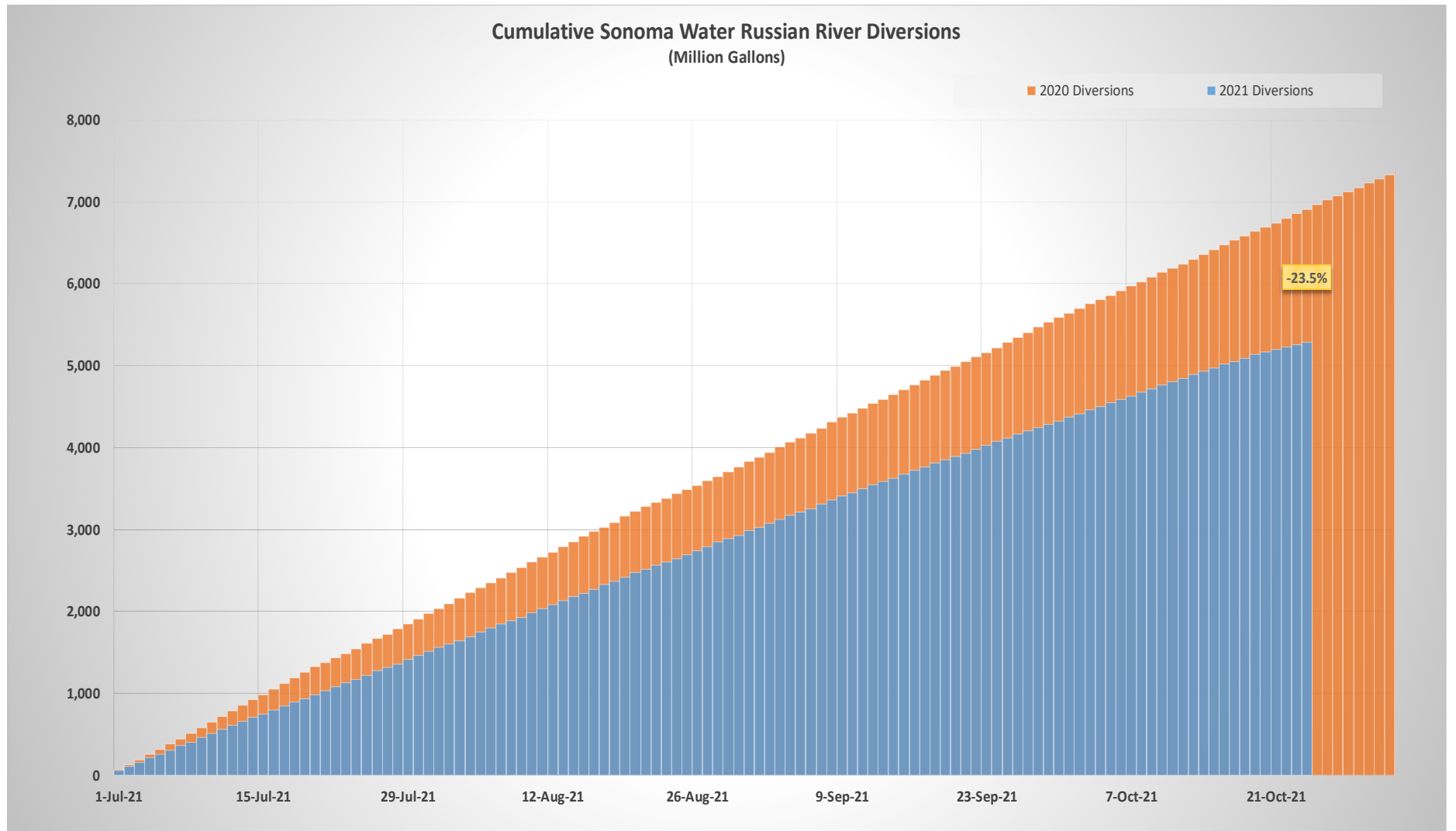
Upper Russian River Flow Gain/Loss (July 1 - October 21, 2021)



Upper Russian River Flow Gain/Loss (July 1 - October 21, 2021)



Sonoma Water River Diversions (July 1 - October 24, 2021)



Russian River Fisheries Monitoring

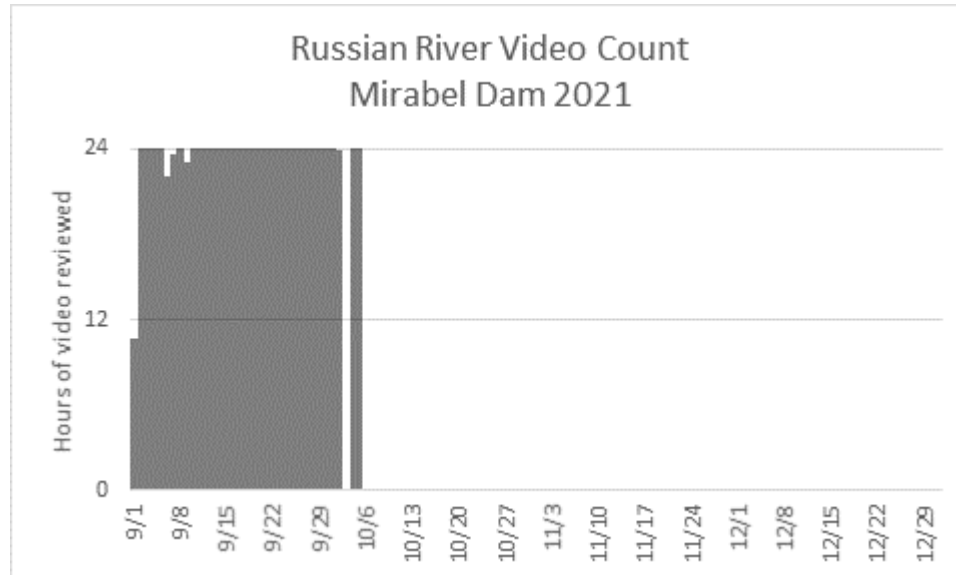


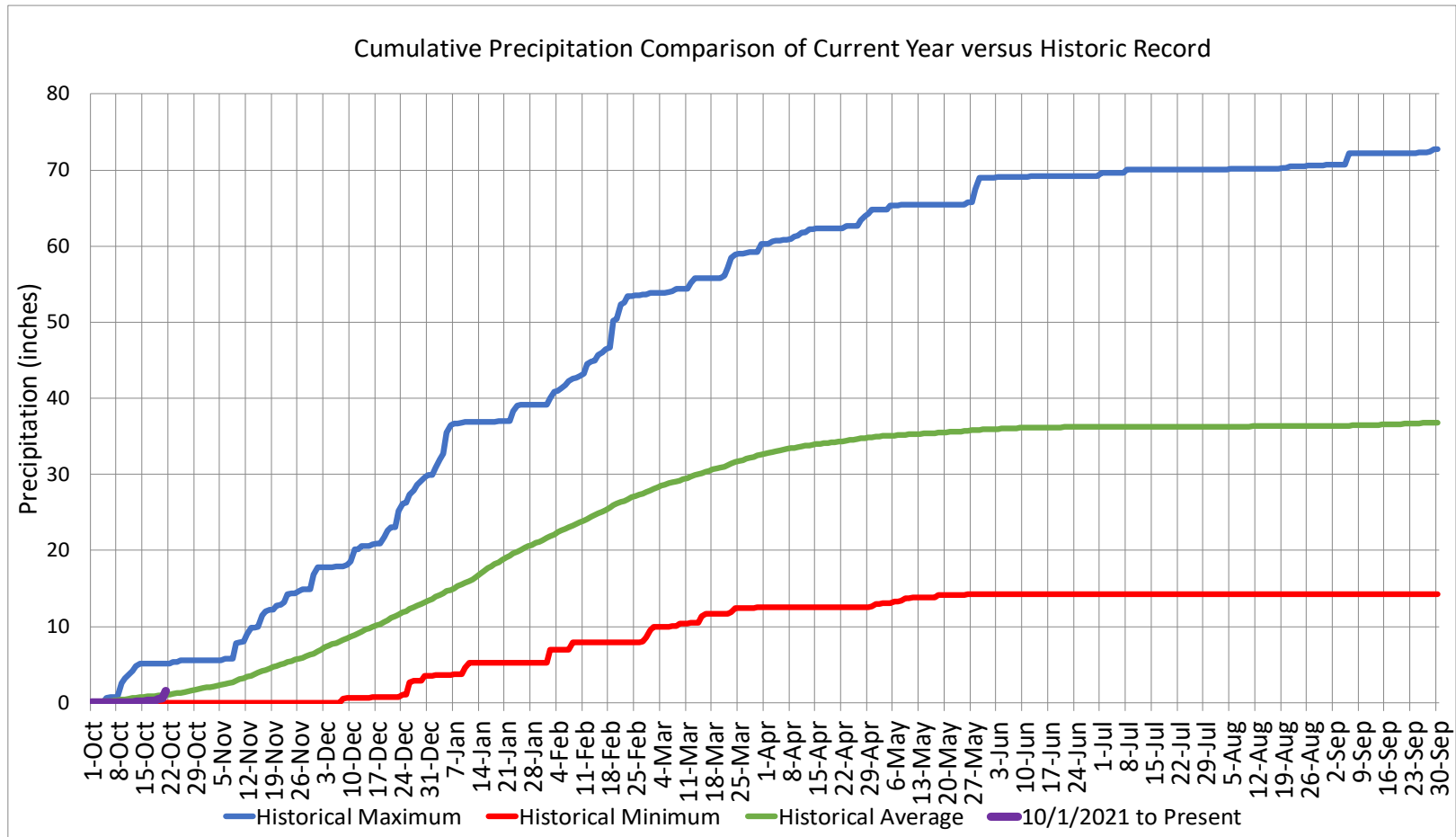
Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

Species	Number of fish
Chinook	12
Coho	1
Steelhead	0

Table 1. The number of adult salmonids observed on video collected at the Mirabel dam on the Russian River (9/1/21-10/5/21).

Precipitation

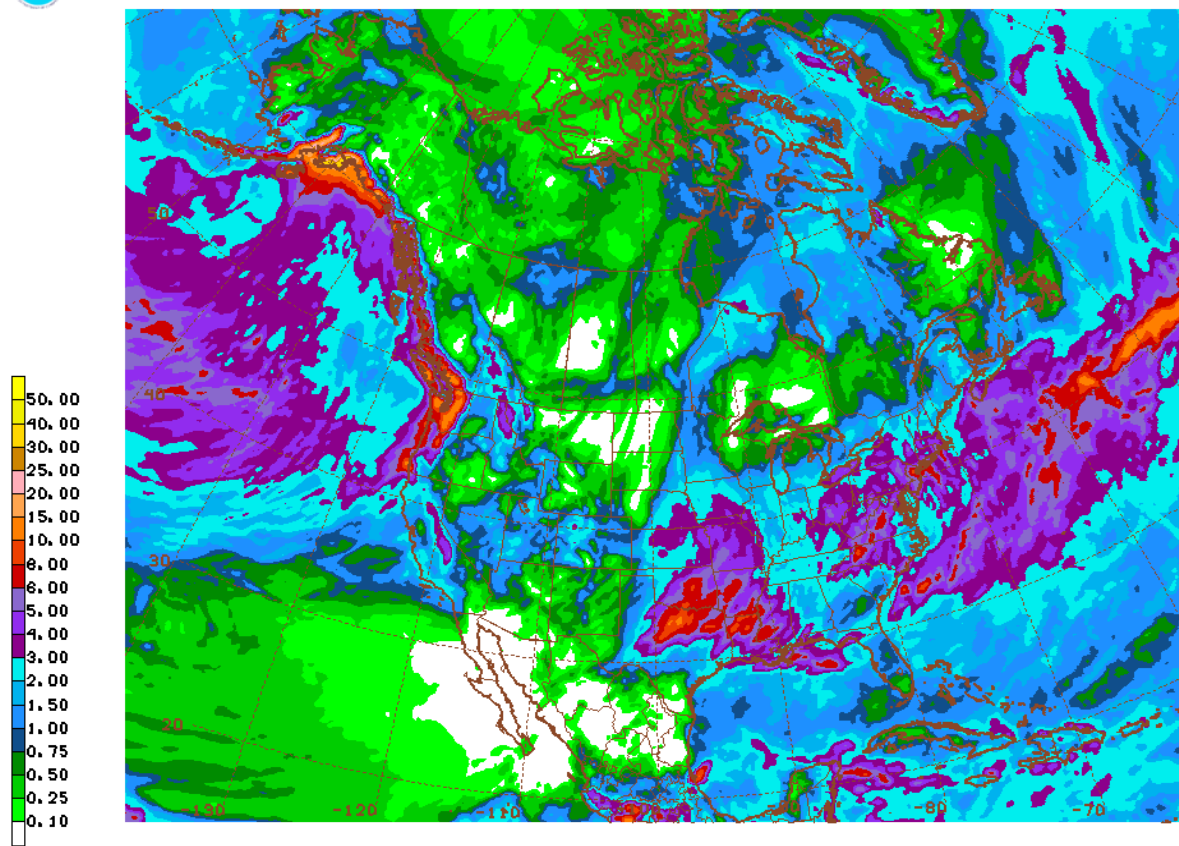
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Oct 21, 2021	2.26
Last 7 Days*	1.86



Global Forecast System Model 16-day Cumulative Precipitation Forecast



GFS 10/25/21 12UTC 384HR FCST VALID MED 11/10/21 12UTC NOAA/NWS/NCEP



GFS MED 211110/1200V384 384HR ACCUMULATED PRECIP (IN)
 Date Range: Oct 25 - Nov 10, 2021
 Forecasted Cumulative (inches): **0.4**