



**Sonoma
Water**

State Water Resources Control Board
 Temporary Urgency Change Order (6/14/2021)
 Russian River Hydrologic Report
 October 1, 2021 - October 7, 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).

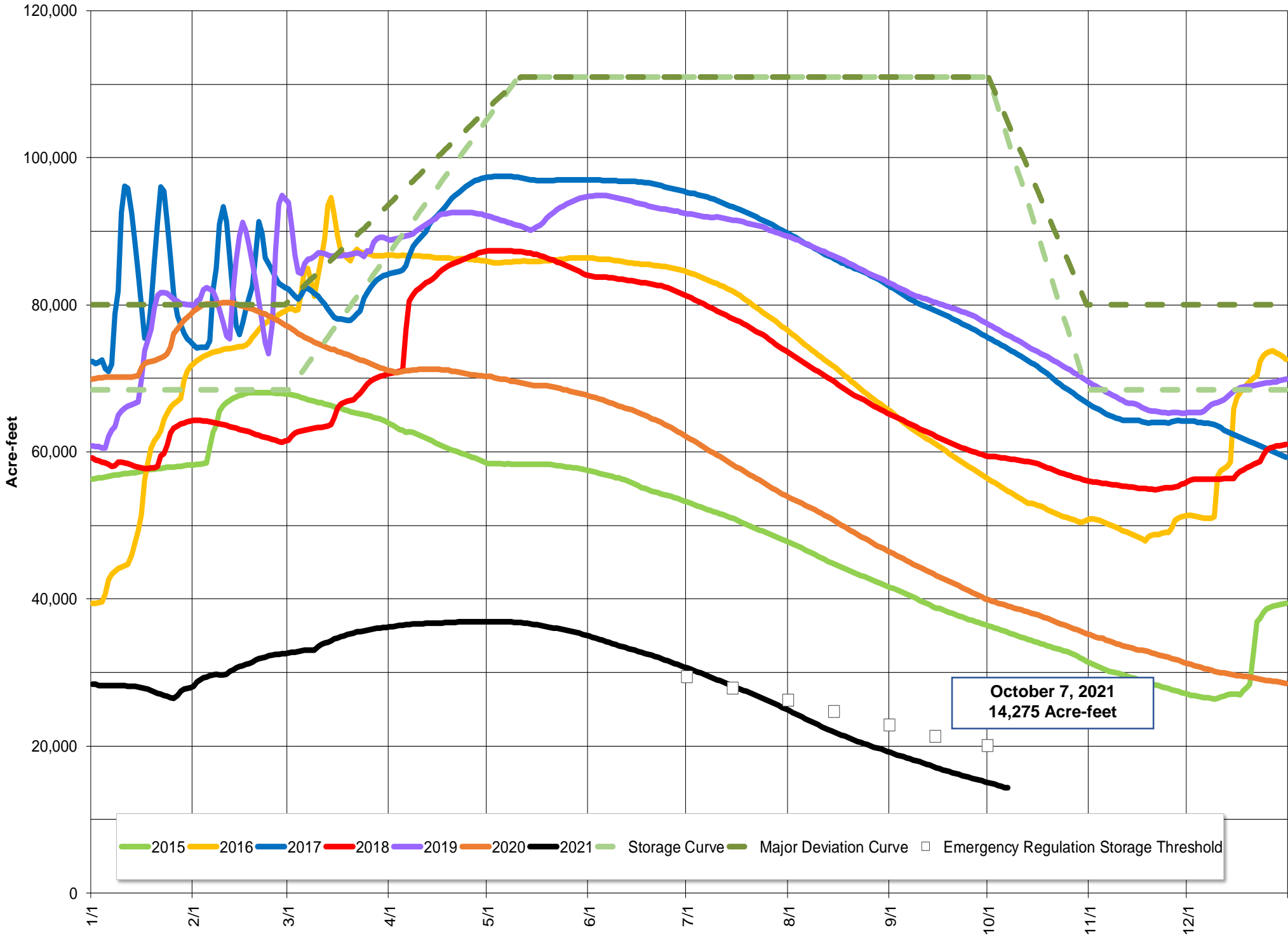
Instream Flow Requirements as of October 7, 2021

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



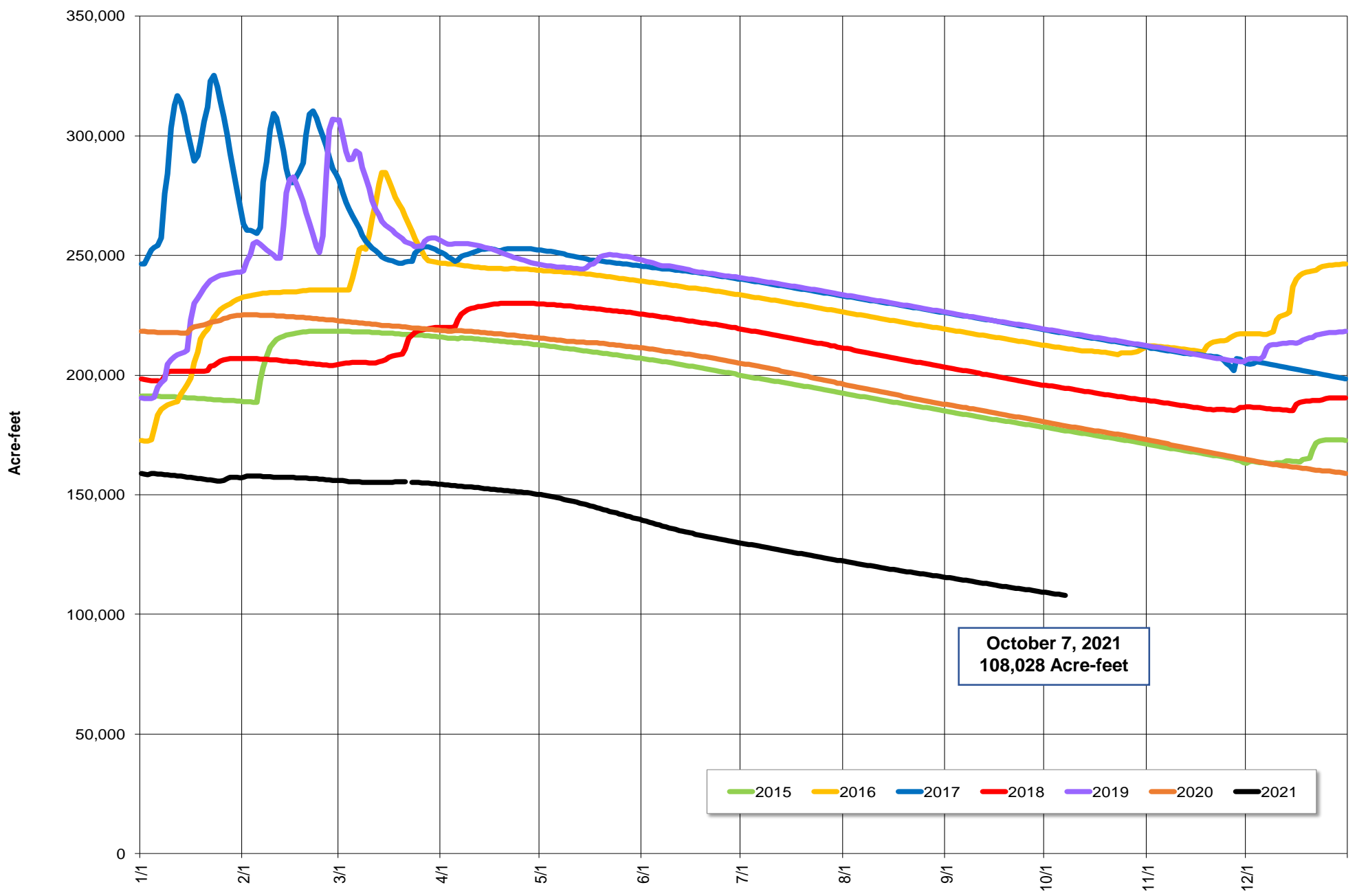
Storage (acre-feet)	October 7, 2021	14,275	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,985	-133
	Last 7 days	-733	-105
Daily Inflow (cfs)	Last 7 days	Min	13
		Max	31
		Mean	21
Release (cfs)	Last 7 days	Min	75
		Max	77
		Mean	77

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2021



Storage (acre-feet)	October 7, 2021	108,028	
Change in Storage (acre-feet)	Last 30 days	-6,166	-206
	Last 7 days	-1,129	-161
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	0
		Mean	0
Release (cfs)	Last 7 days	Min	84
		Max	85
		Mean	84

Potter Valley Project

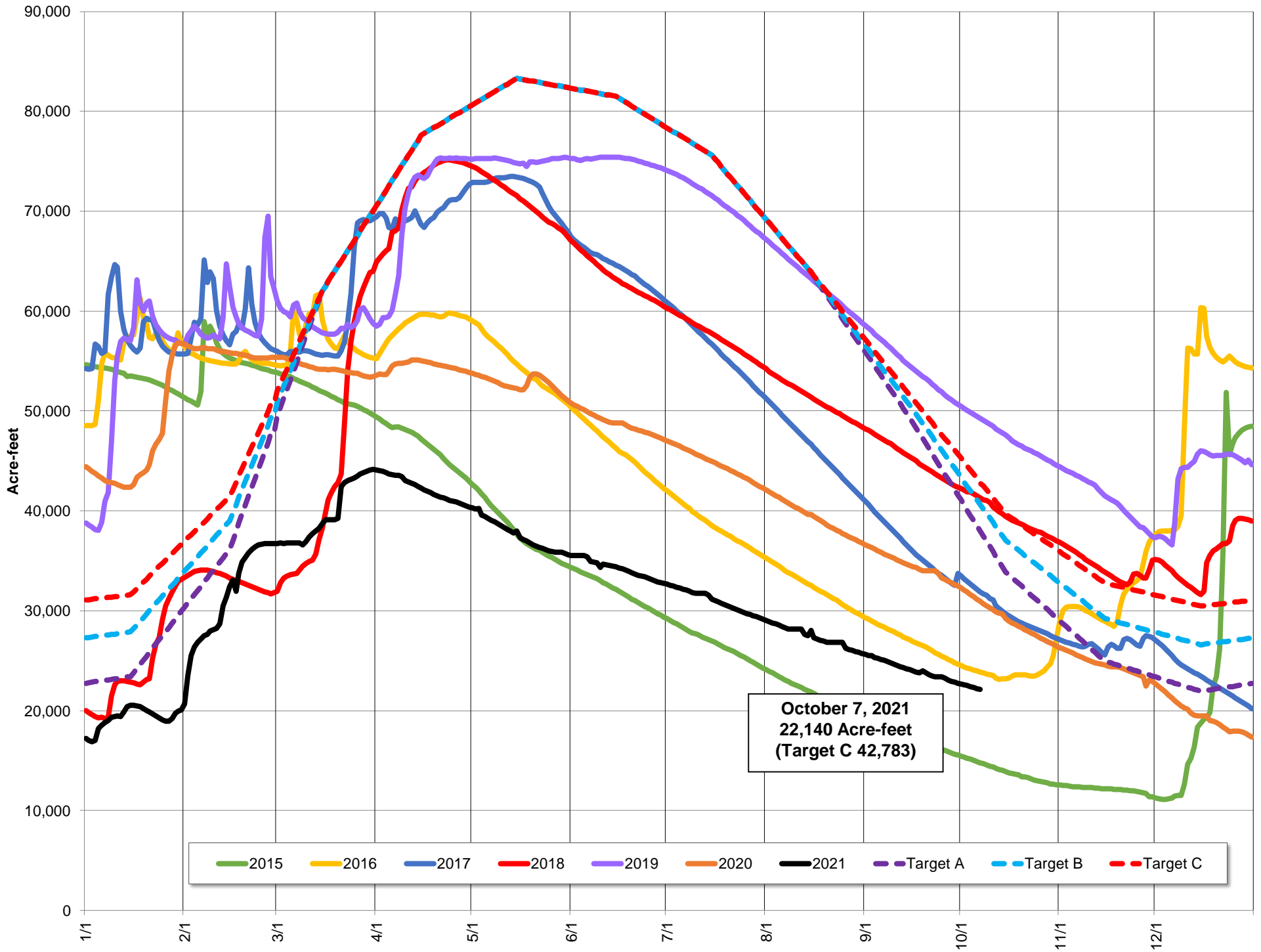
PVP Diversion (cfs)	October 7, 2021	10
---------------------	-----------------	----

Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - October 7, 2021	86	12
	Last 7 days	86	12

*Inflow calculation based on criteria established in D1610

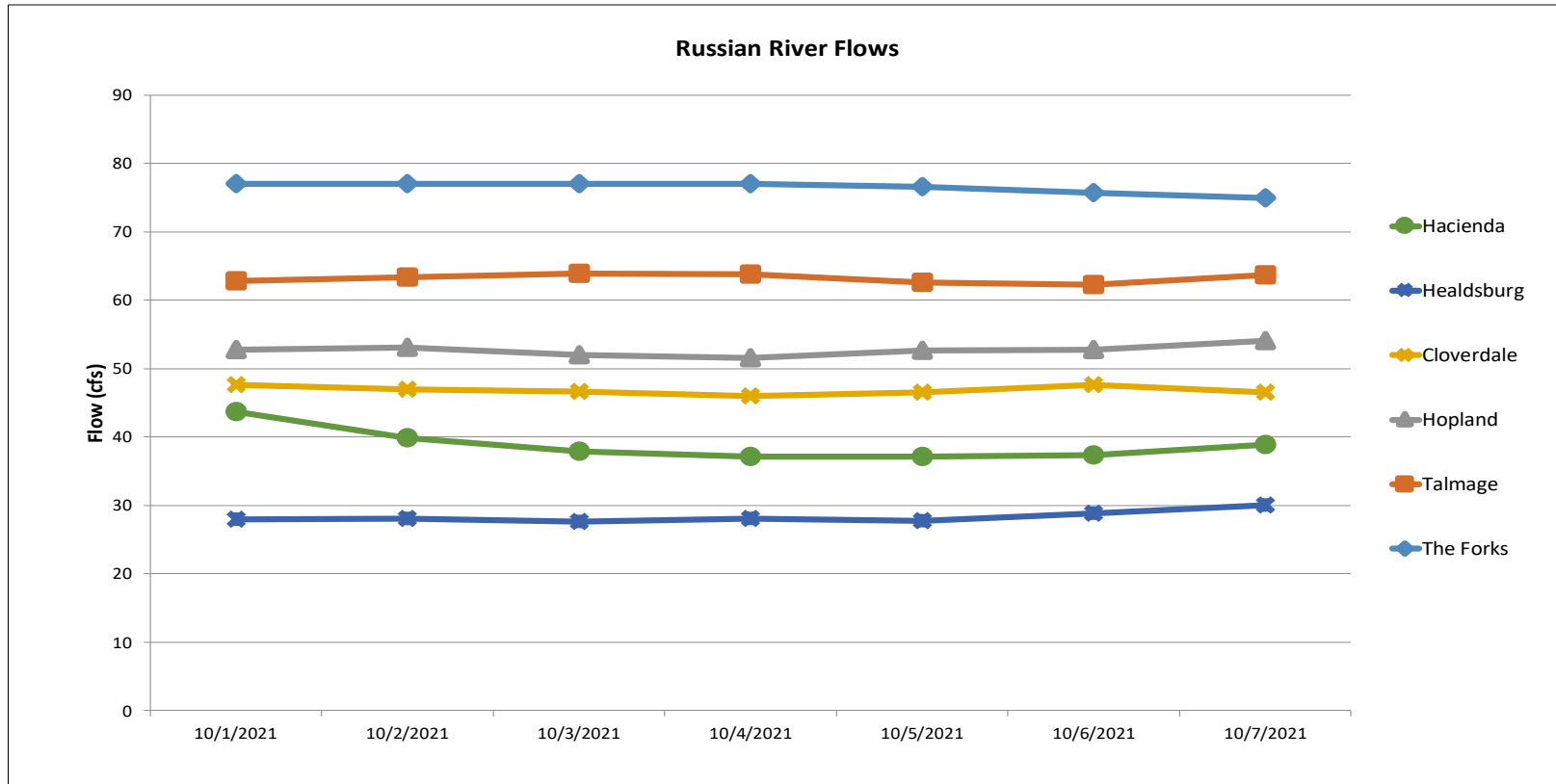
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



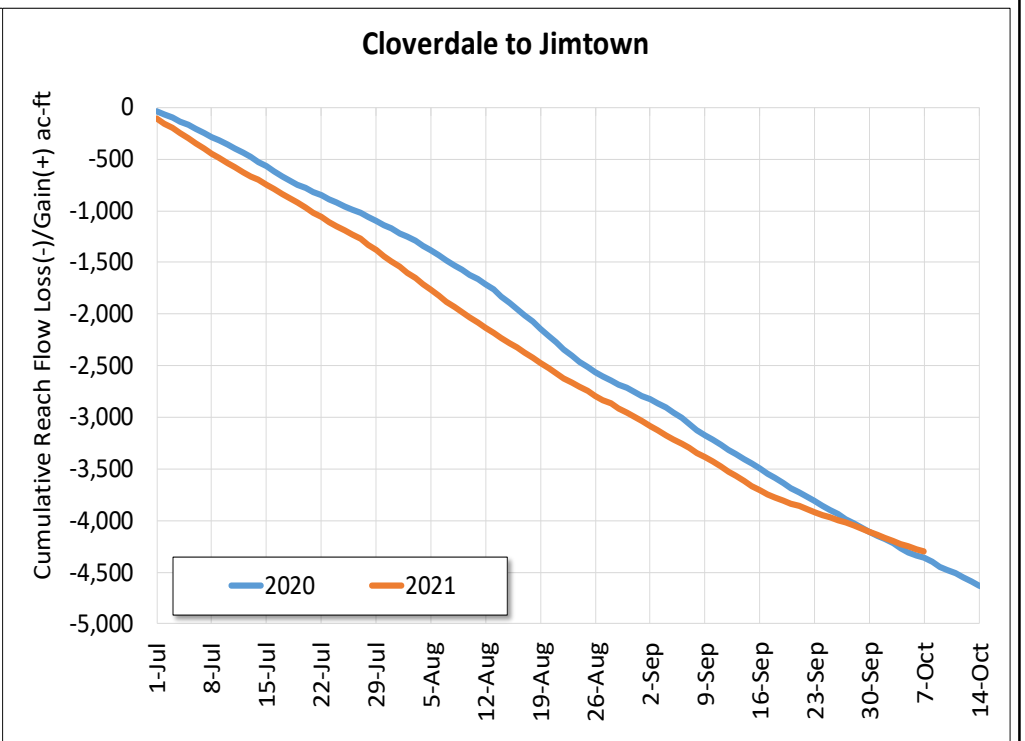
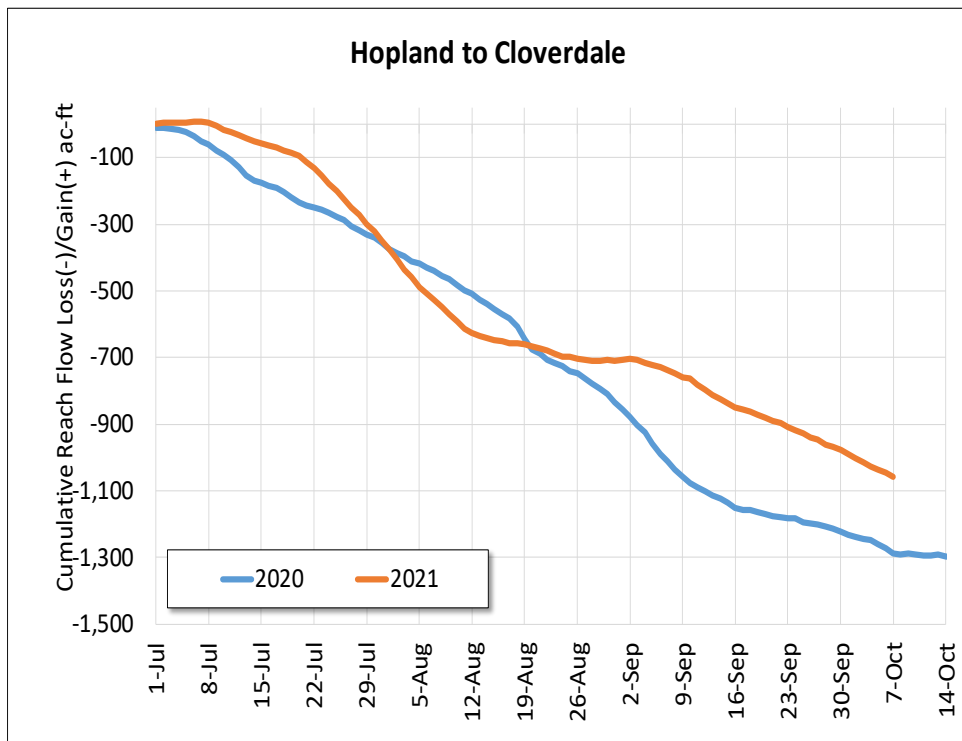
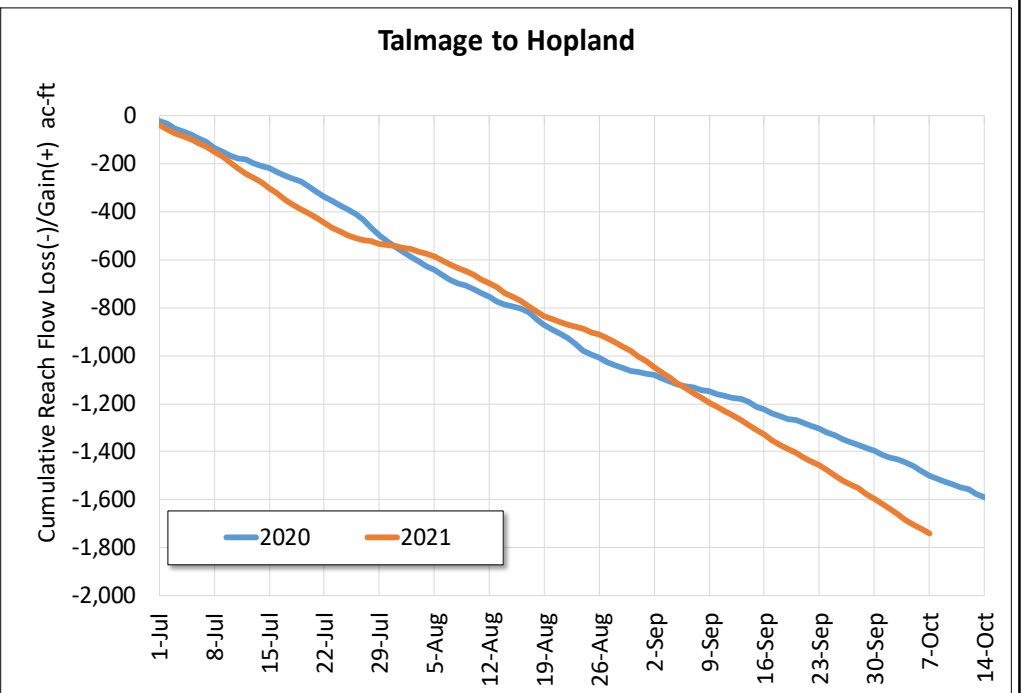
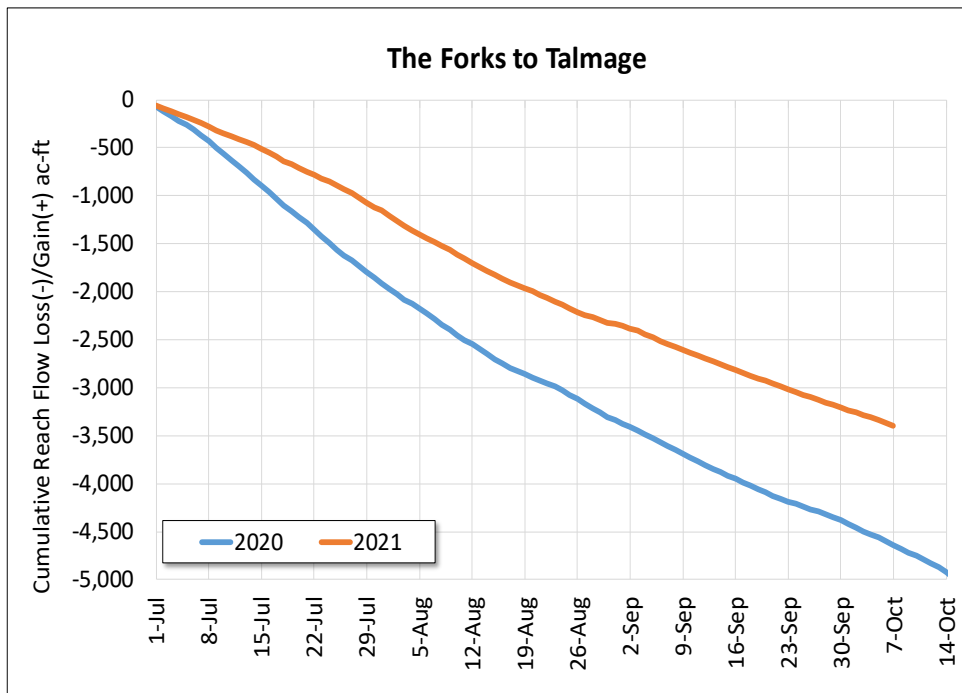
Russian River Flows (October 1 - October 7, 2021)

Gage	24-hr Average Flow (cfs)						
	Oct 1, 2021	Oct 2, 2021	Oct 3, 2021	Oct 4, 2021	Oct 5, 2021	Oct 6, 2021	Oct 7, 2021
The Forks*	77	77	77	77	77	76	75
Talmage USGS 11462080	63	63	64	64	63	62	64
Hopland USGS 11462500	53	53	52	52	53	53	54
Cloverdale USGS 11463000	48	47	47	46	47	48	47
Healdsburg USGS 11464000	28	28	28	28	28	29	30
Hacienda USGS 11467000	44	40	38	37	37	37	39

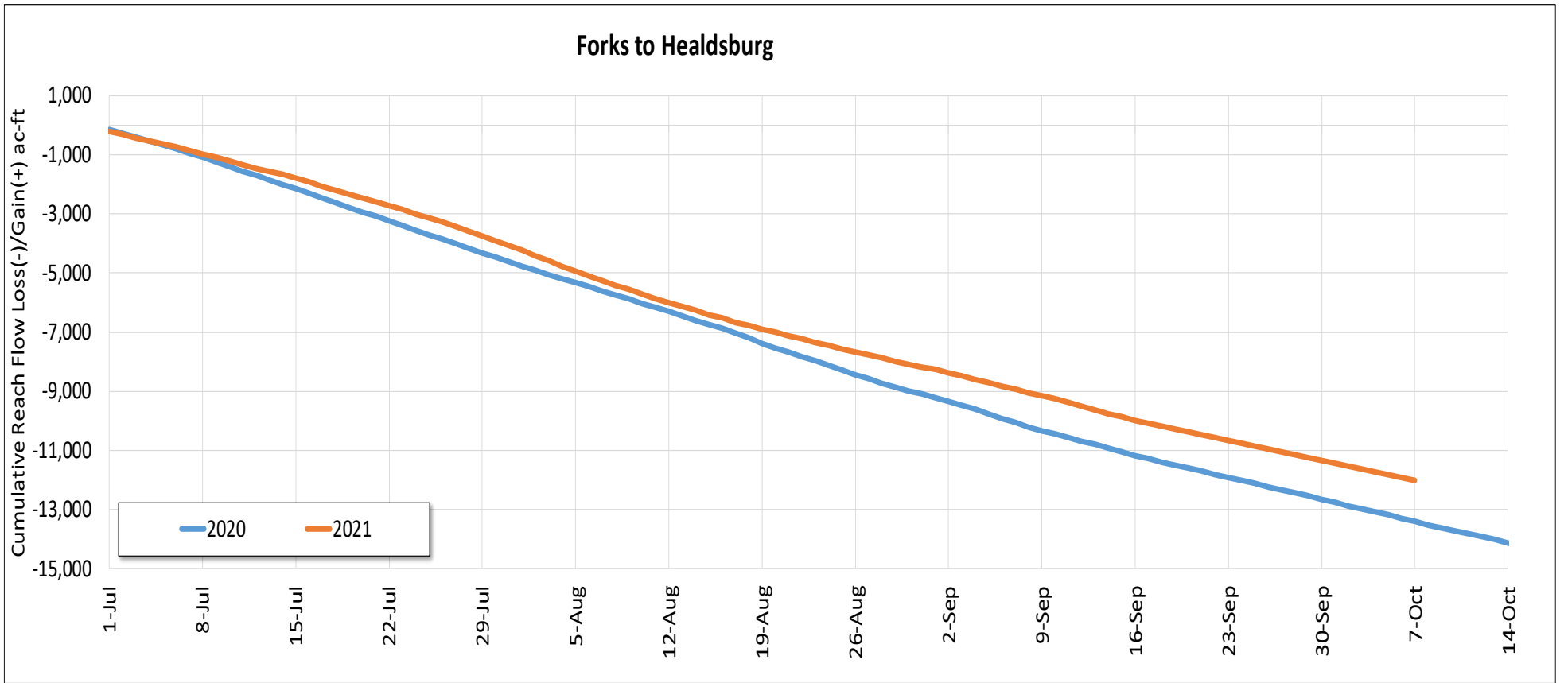
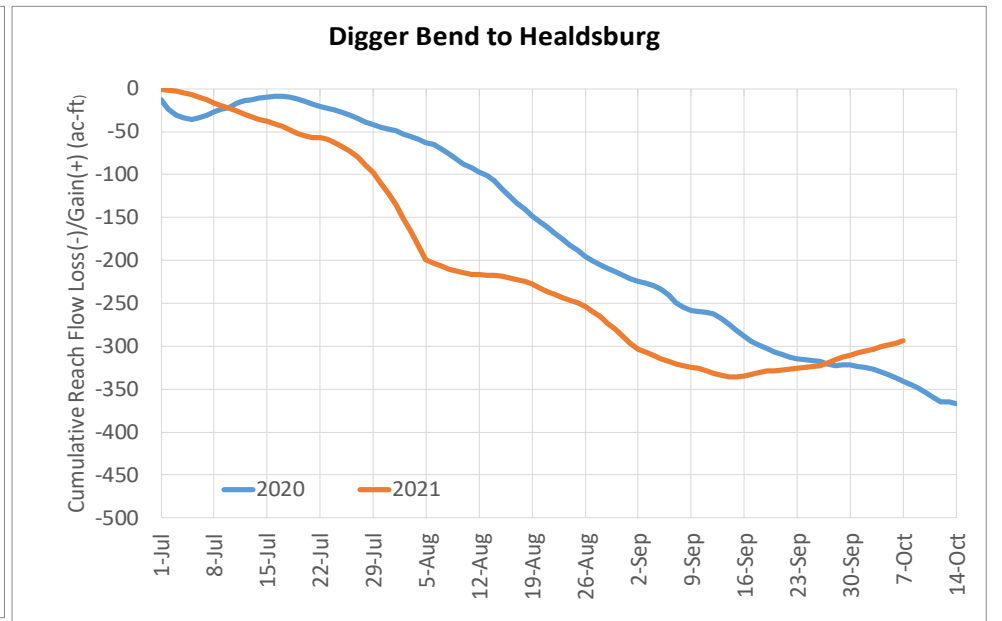
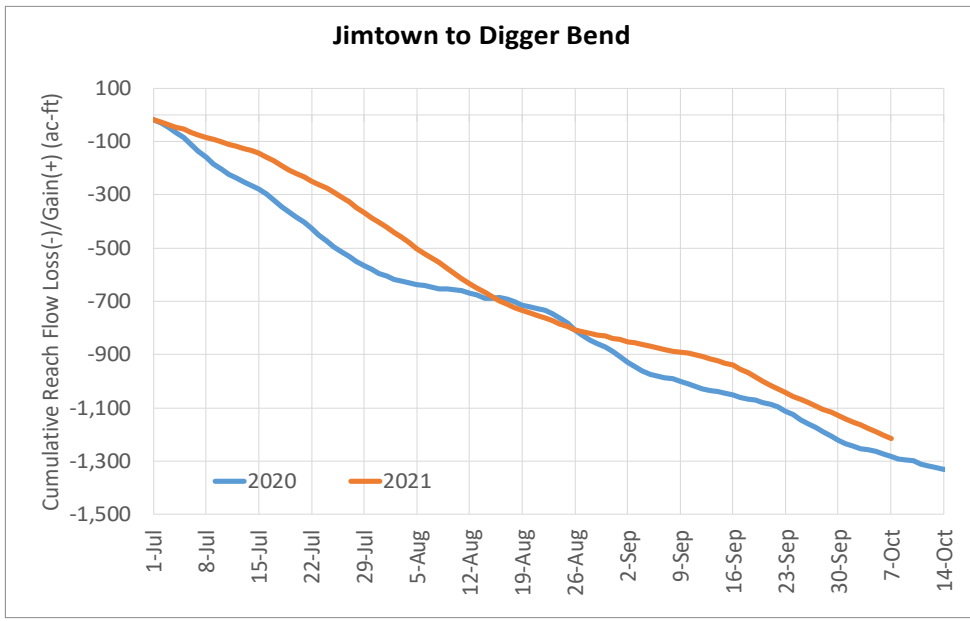
*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



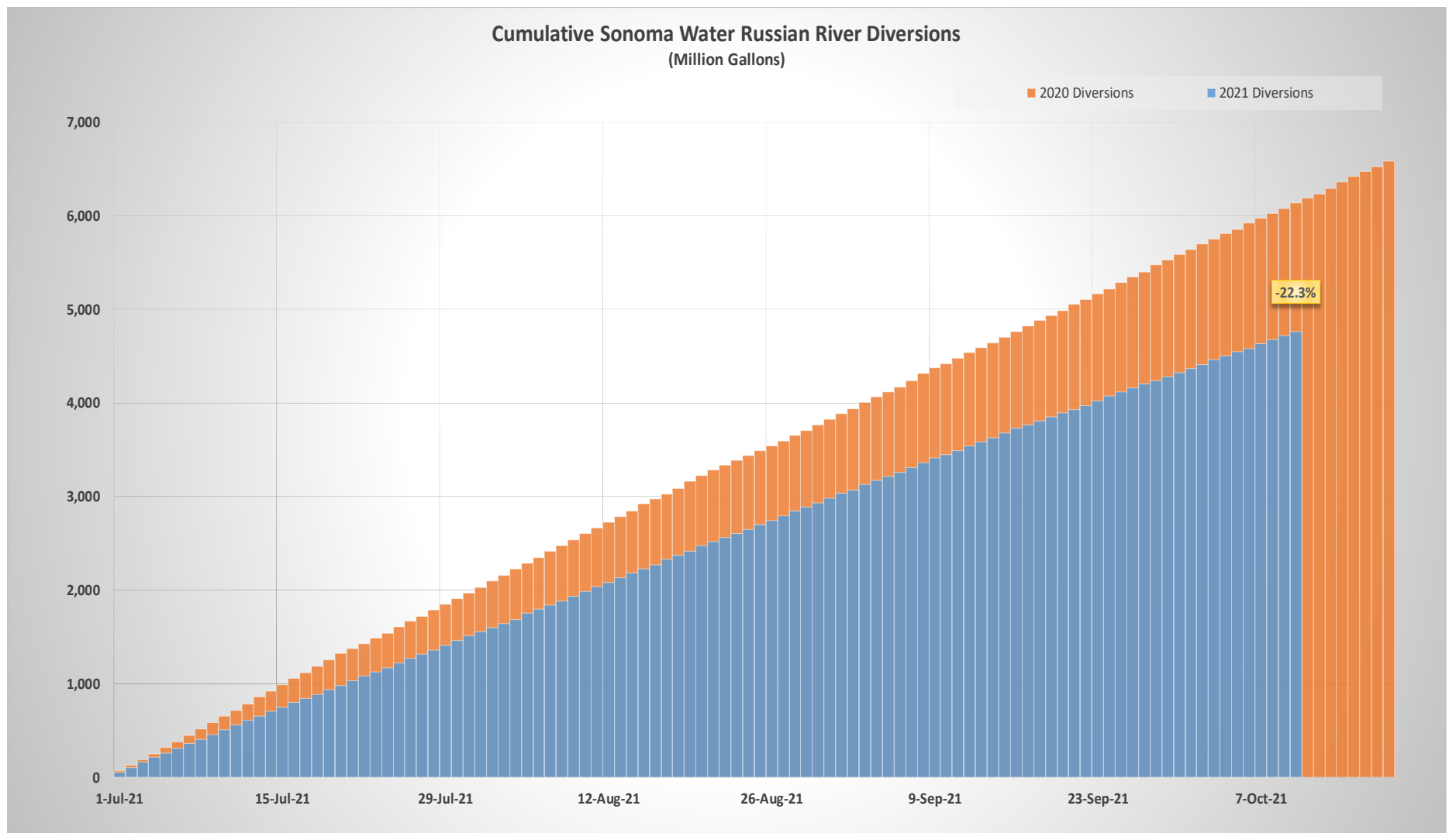
Upper Russian River Flow Gain/Loss (July 1 - October 7, 2021)



Upper Russian River Flow Gain/Loss (July 1 - October 7, 2021)



Sonoma Water River Diversions (July 1 - October 10, 2021)



Russian River Fisheries Monitoring

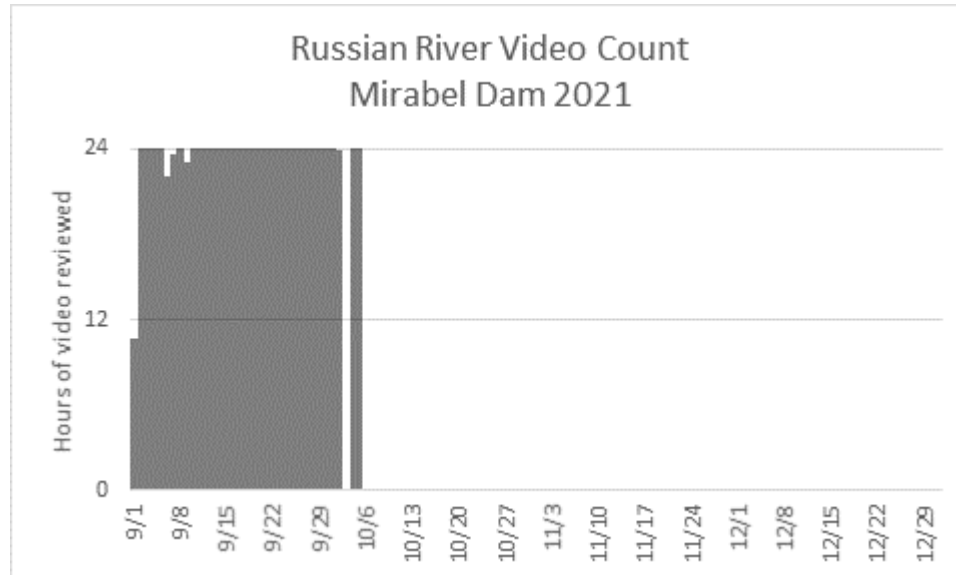


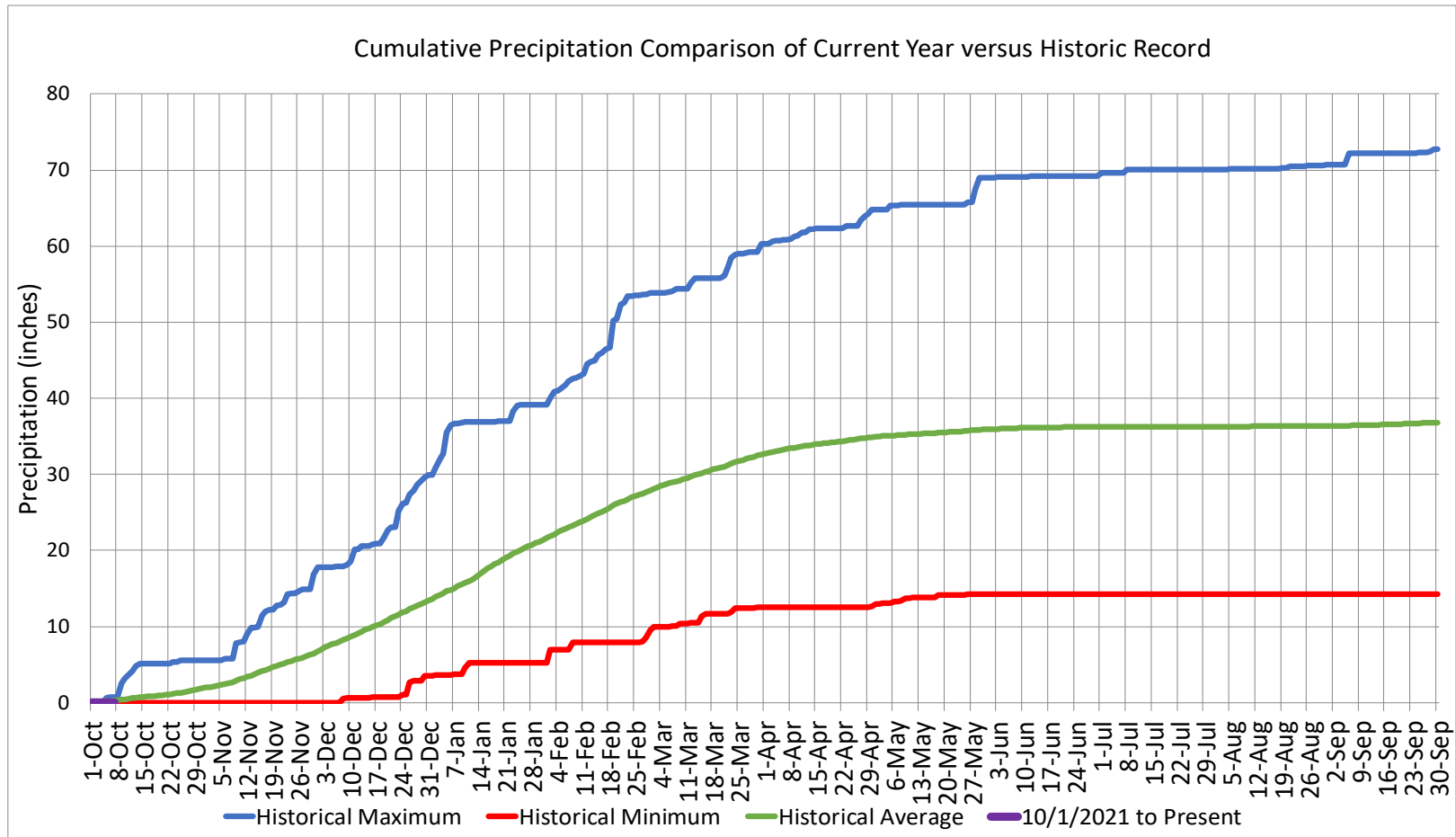
Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

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

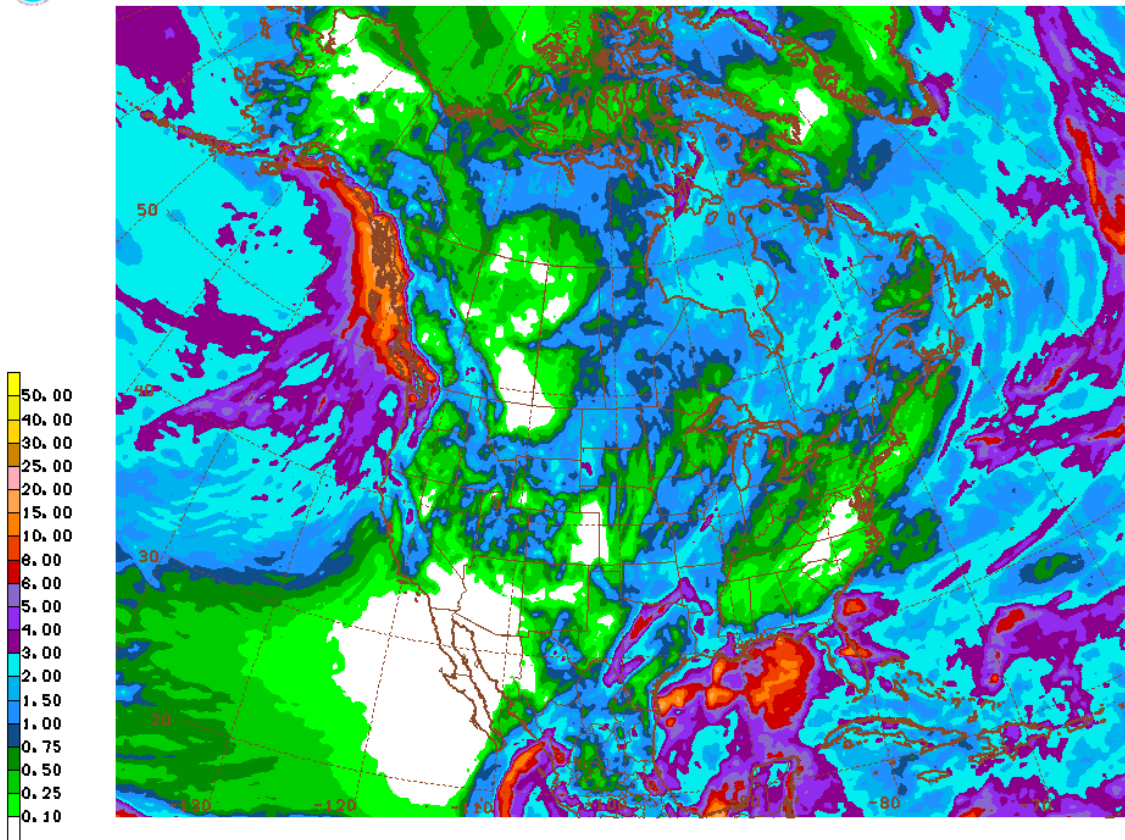
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Oct 7, 2021	0
Last 7 Days*	0.00



Global Forecast System Model 16-day Cumulative Precipitation Forecast



GFS 10/11/21 12UTC 384HR FCST VALID MED 10/27/21 12UTC NOAA/NWS/NCEP



GFS MED 211027/1200V384 384HR ACCUMULATED PRECIP (IN)
 Date Range: Oct 11 - Oct 27, 2021
 Forecasted Cumulative (inches): **2.8**