



**Sonoma
Water**

State Water Resources Control Board
 Temporary Urgency Change Order (6/14/2021)
 Russian River Hydrologic Report
 October 8, 2021 - October 14, 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).

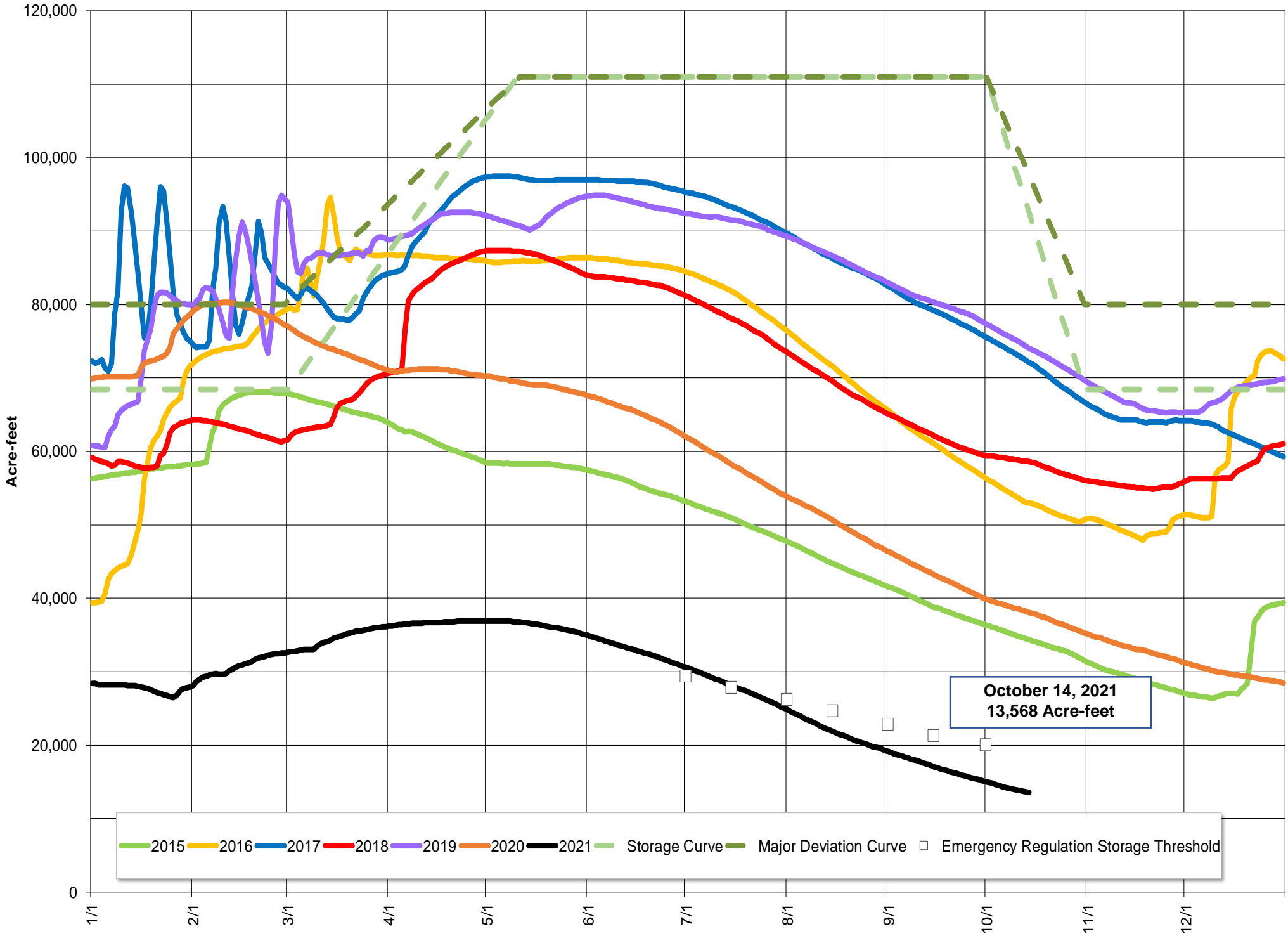
Instream Flow Requirements as of October 14, 2021

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



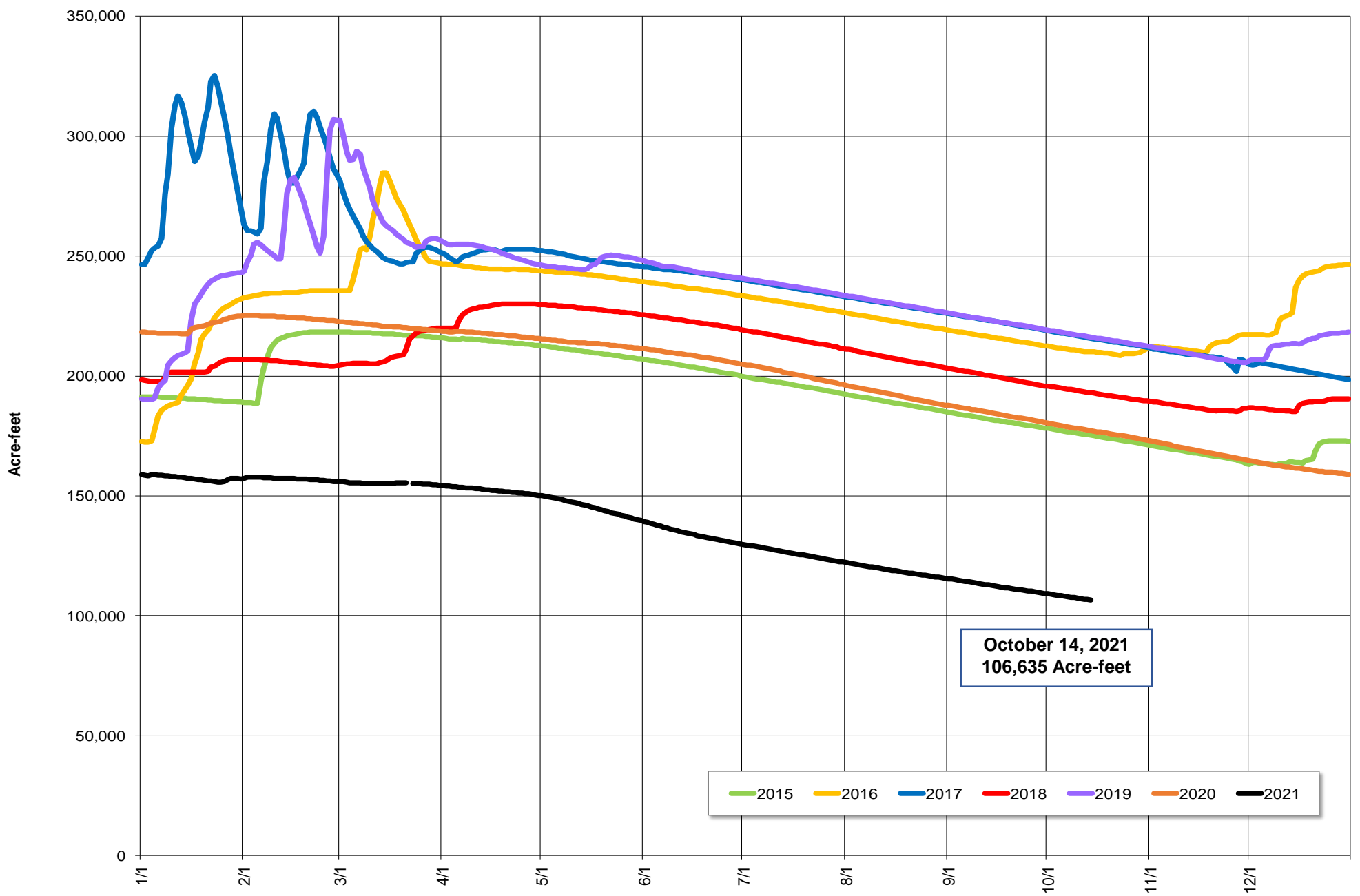
Storage (acre-feet)	October 14, 2021	13,568	
Change in Storage (acre-feet)	Last 30 days	Total	-3,638
		Average Daily Rate	-121
	Last 7 days	-590	-84
Daily Inflow (cfs)	Last 7 days	Min	18
		Max	32
		Mean	91
Release (cfs)	Last 7 days	Min	69
		Max	75
		Mean	73

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2021



Storage (acre-feet)	October 14, 2021	106,635	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		-5,972	-199
	Last 7 days	-1,165	-166
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	0
		Mean	0
Release (cfs)	Last 7 days	Min	83
		Max	87
		Mean	85

Potter Valley Project

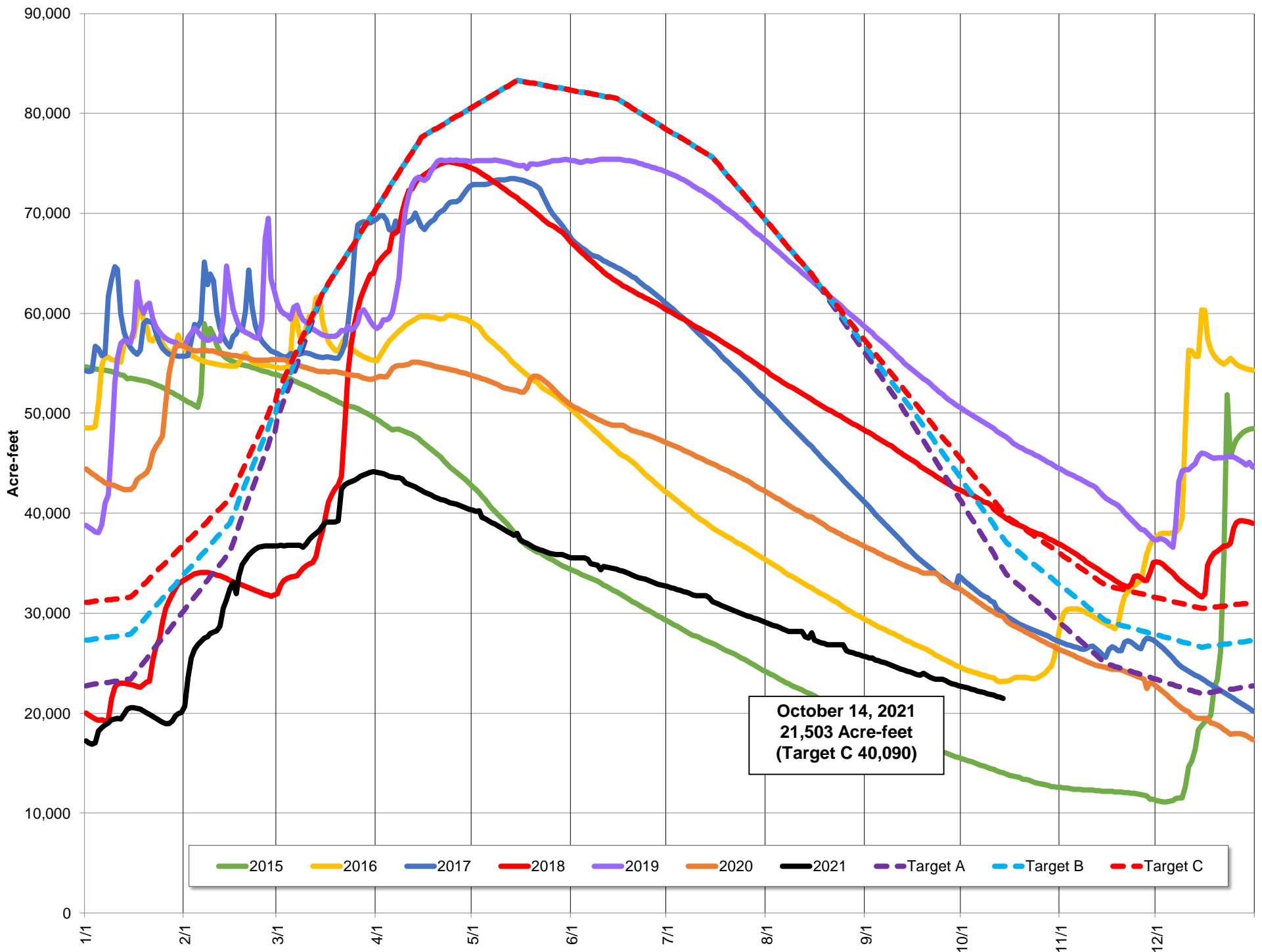
PVP Diversion (cfs)	October 14, 2021	10
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - October 14, 2021	134	10
	Last 7 days	86	12

*Inflow calculation based on criteria established in D1610

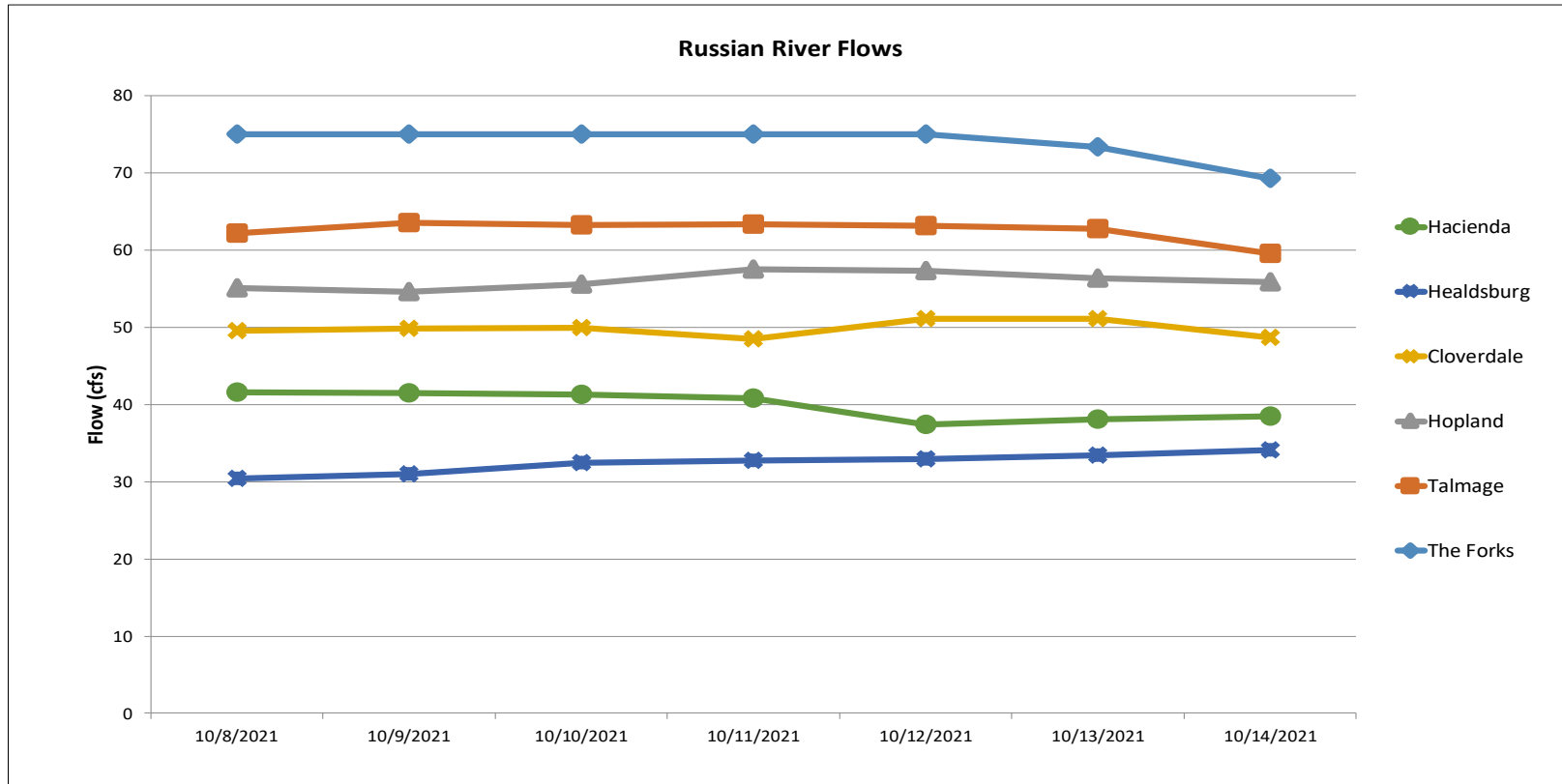
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



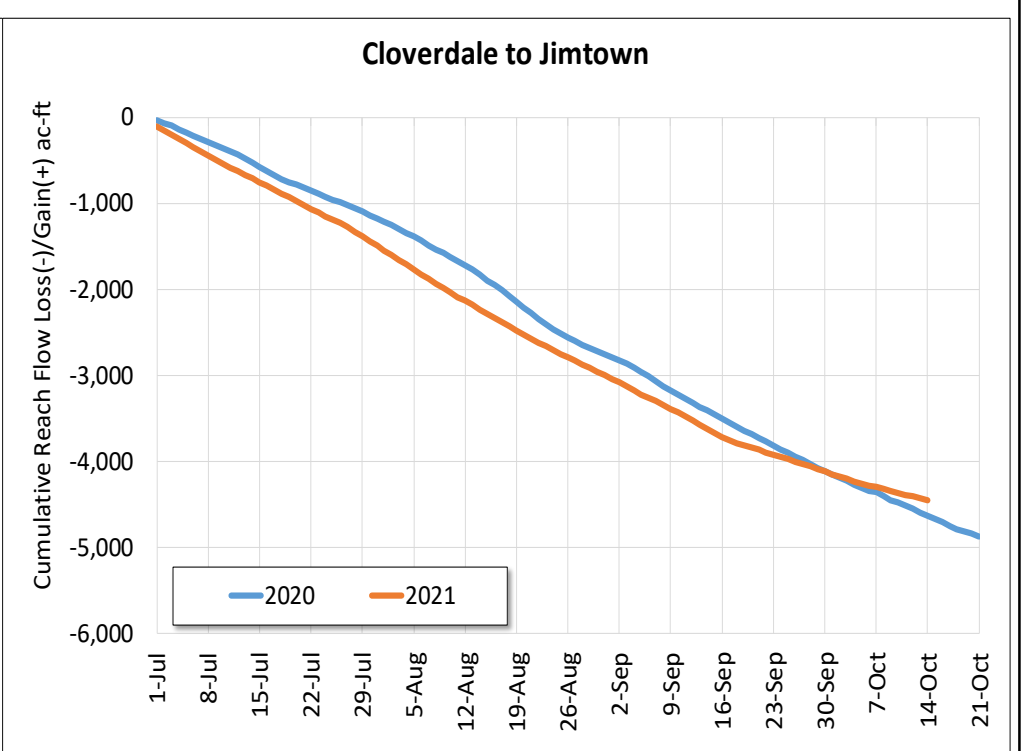
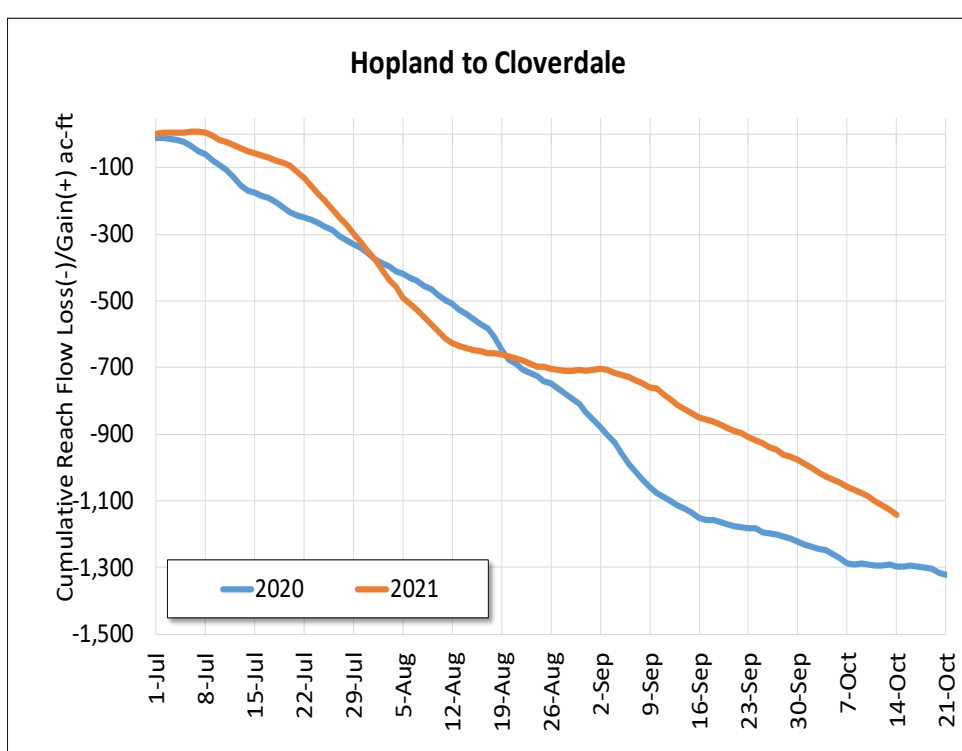
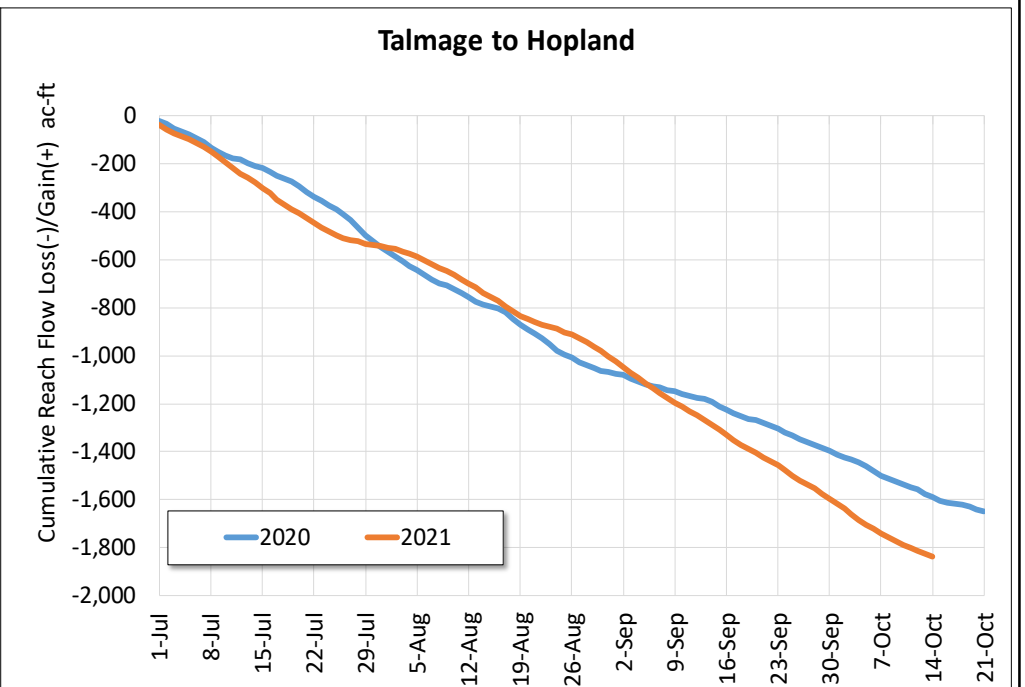
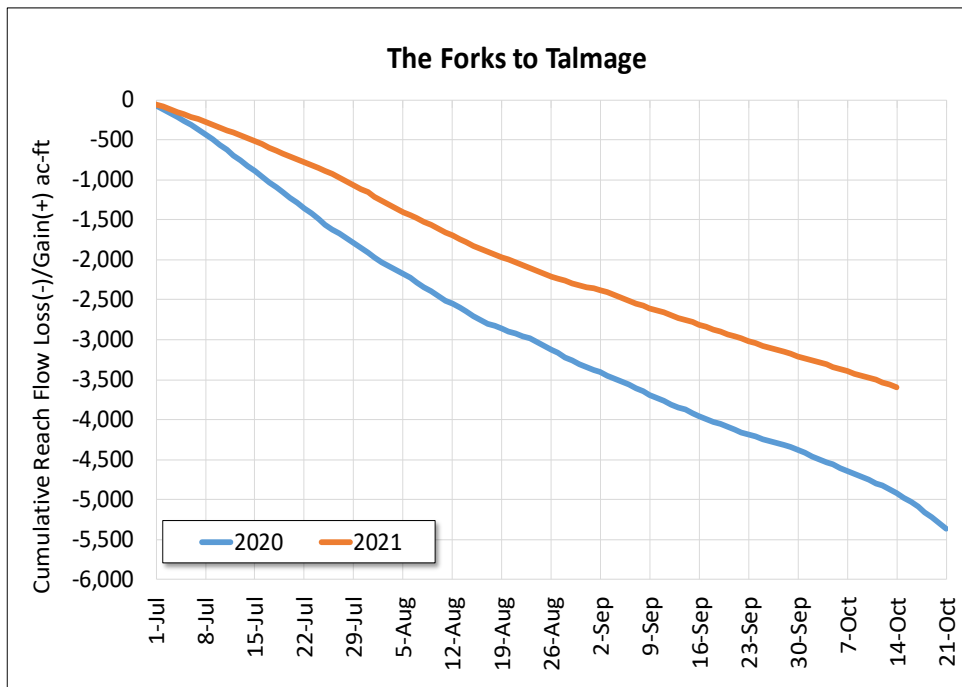
Russian River Flows (October 8 - October 14, 2021)

Gage	24-hr Average Flow (cfs)						
	Oct 8, 2021	Oct 9, 2021	Oct 10, 2021	Oct 11, 2021	Oct 12, 2021	Oct 13, 2021	Oct 14, 2021
The Forks*	75	75	75	75	75	73	69
Talmage USGS 11462080	62	64	63	63	63	63	60
Hopland USGS 11462500	55	55	56	58	57	56	56
Cloverdale USGS 11463000	50	50	50	48	51	51	49
Healdsburg USGS 11464000	30	31	32	33	33	33	34
Hacienda USGS 11467000	42	42	41	41	37	38	39

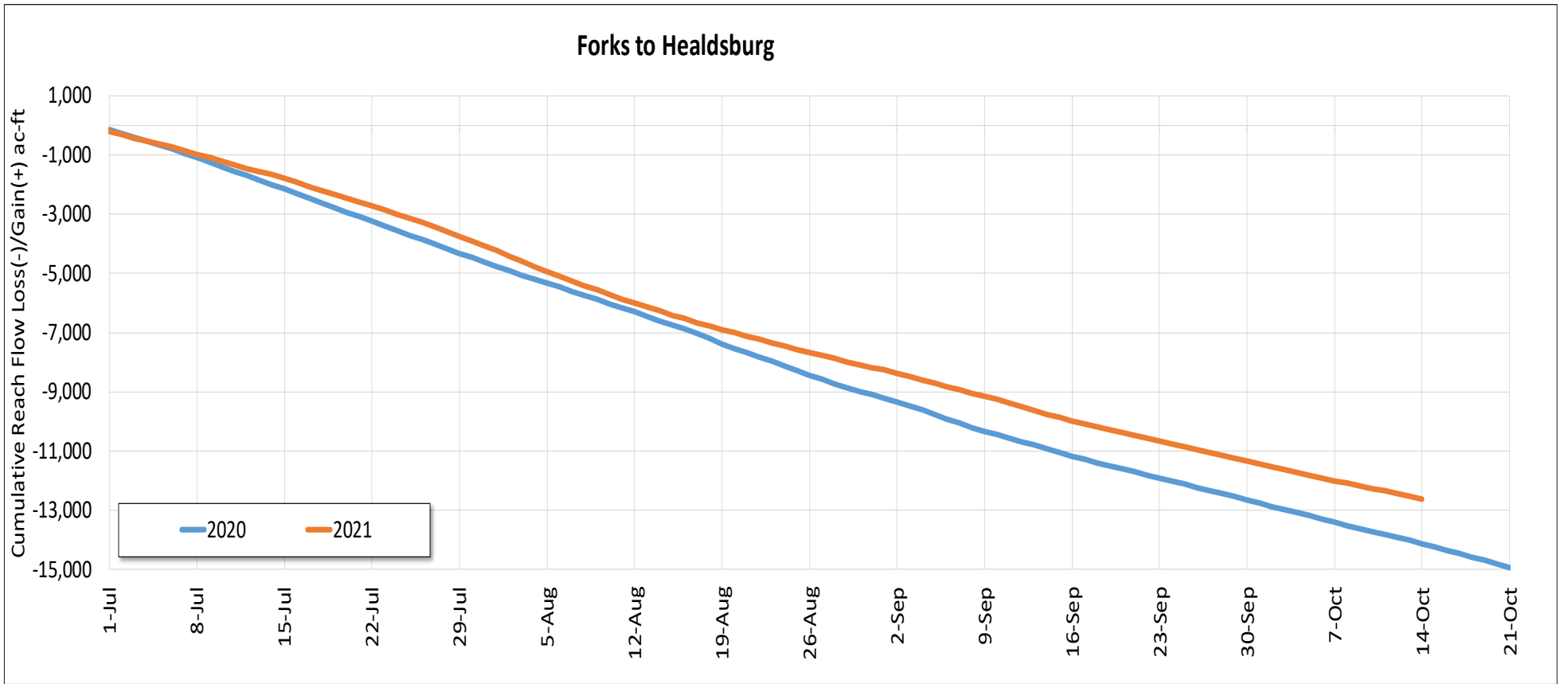
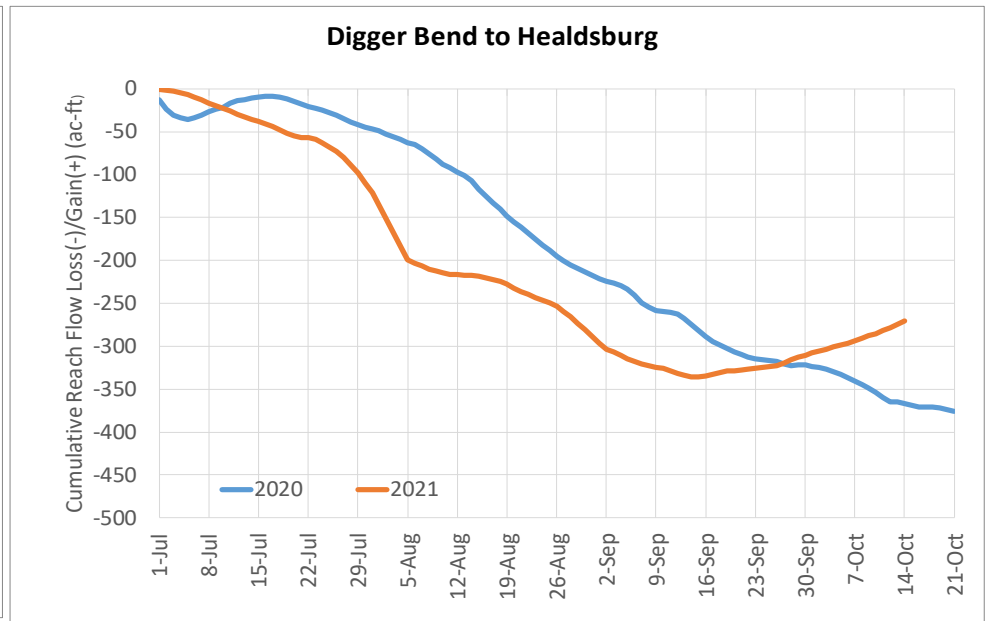
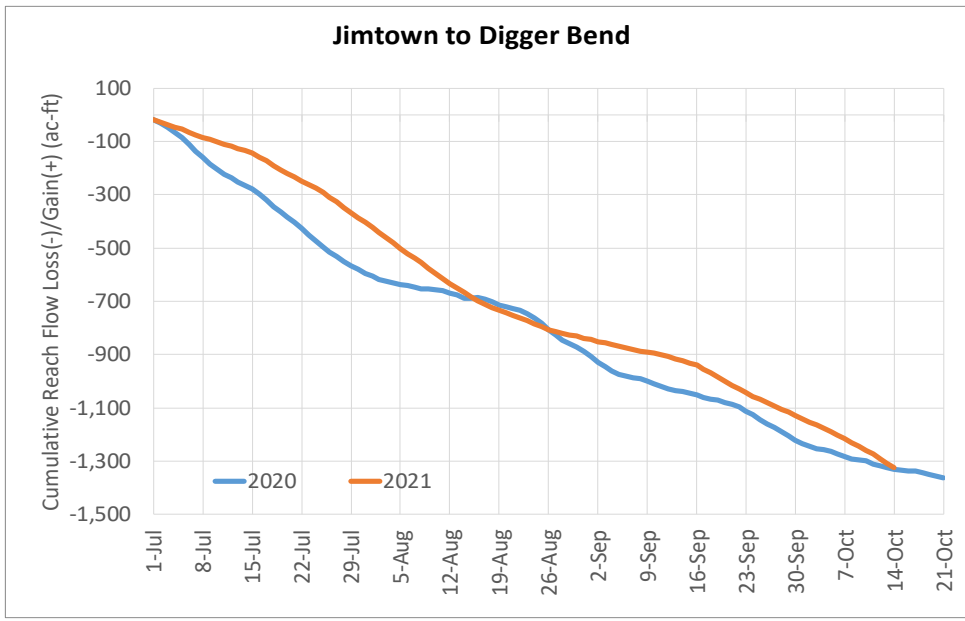
*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



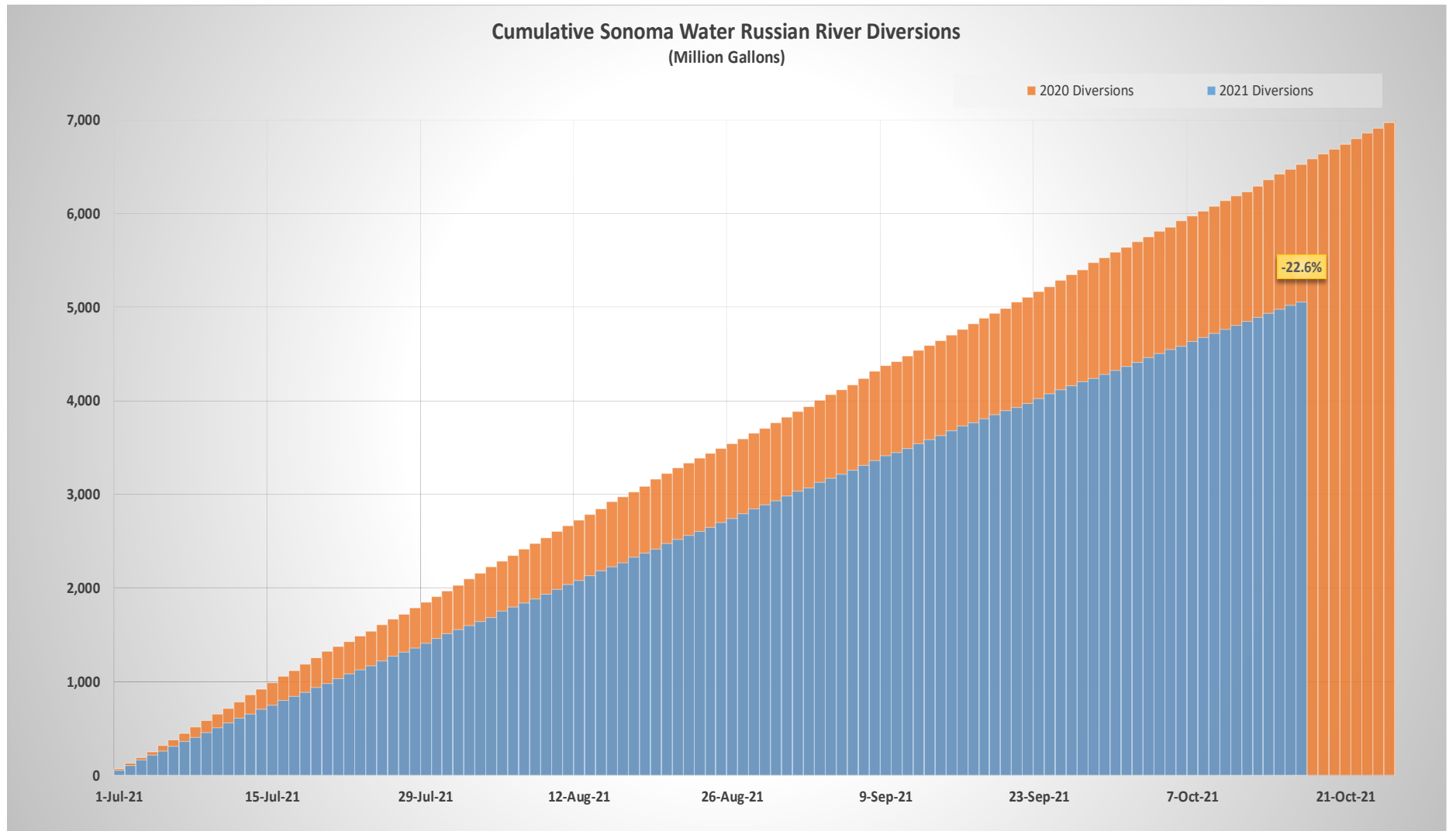
Upper Russian River Flow Gain/Loss (July 1 - October 14, 2021)



Upper Russian River Flow Gain/Loss (July 1 - October 14, 2021)



Sonoma Water River Diversions (July 1 - October 17, 2021)



Russian River Fisheries Monitoring

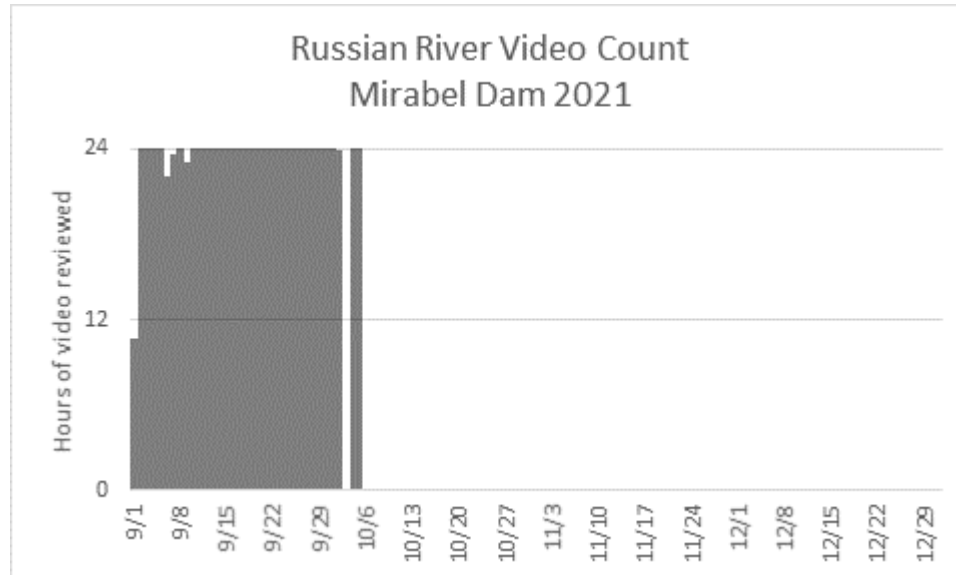


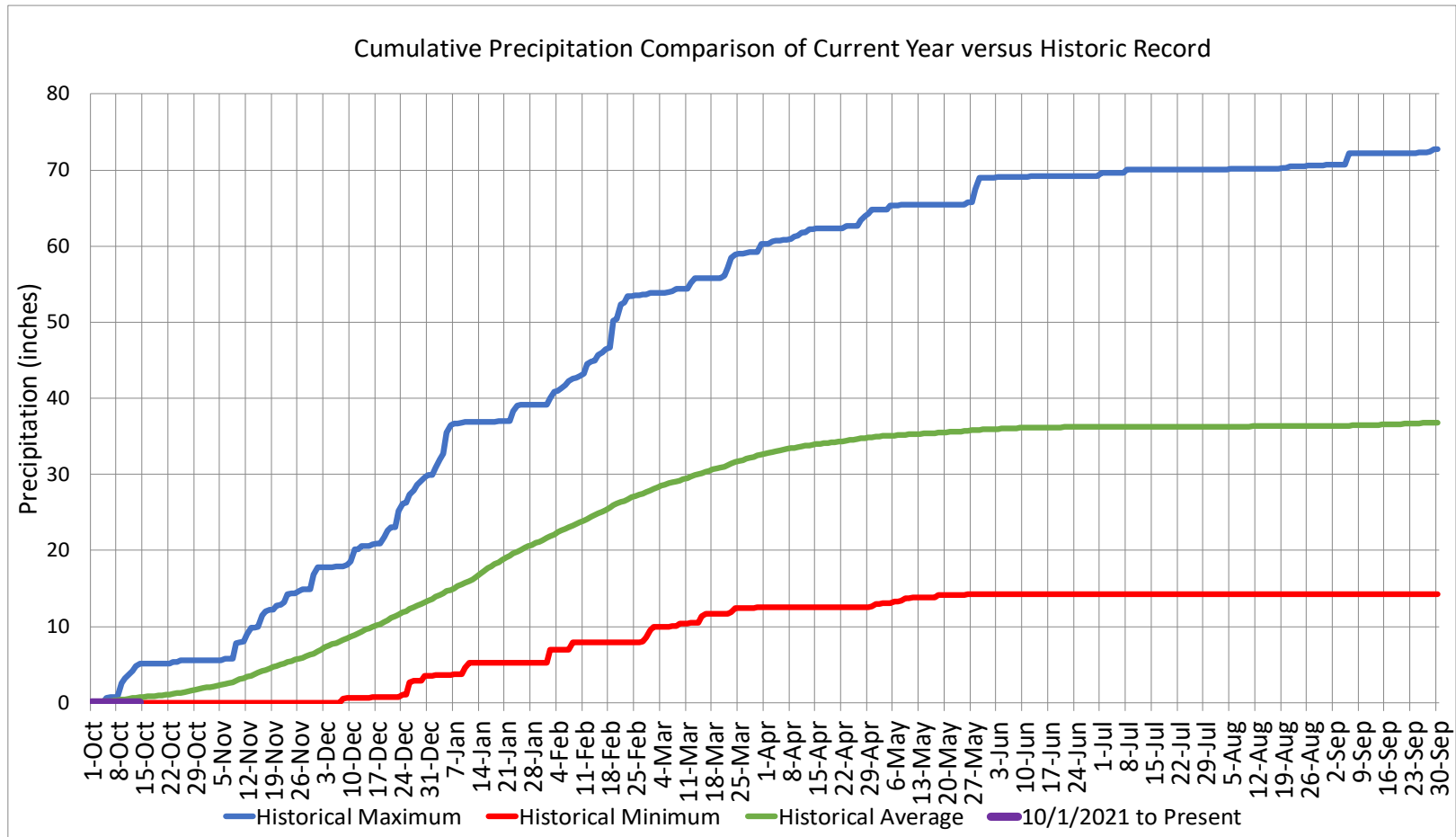
Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

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

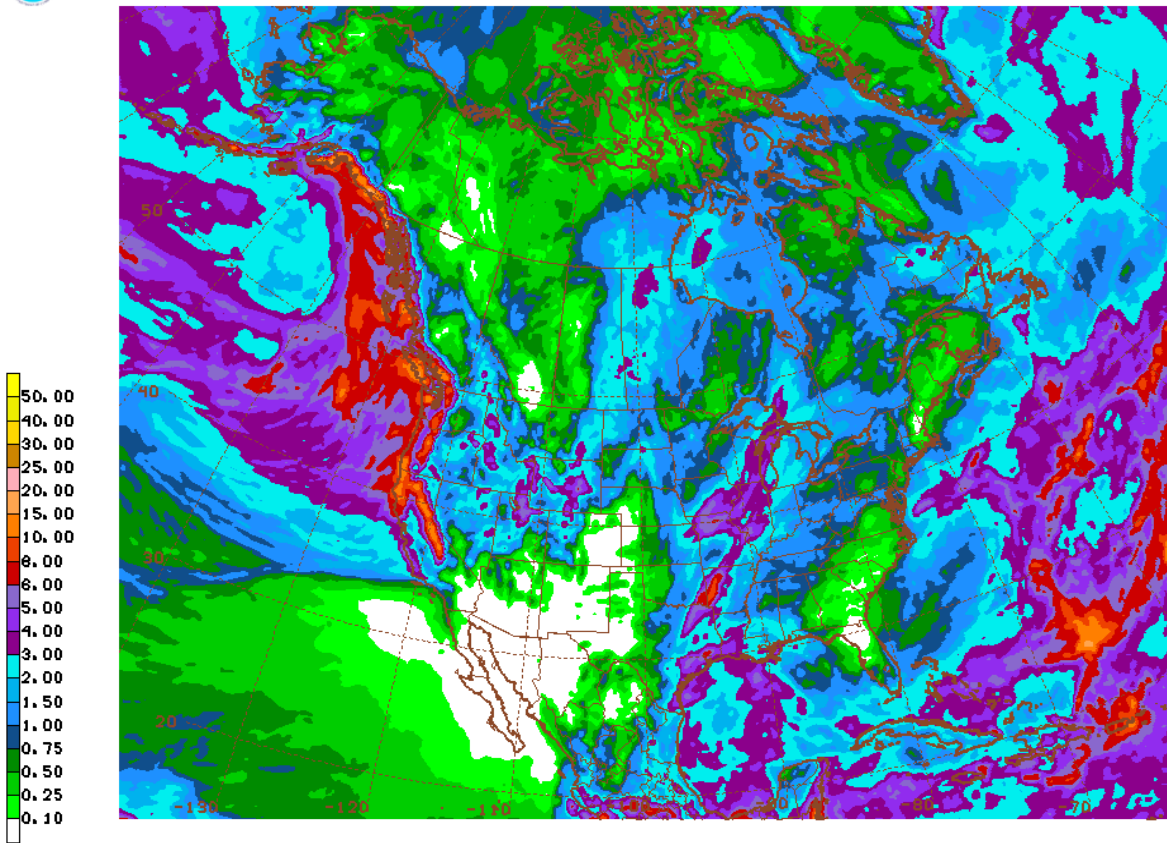
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Oct 14, 2021	0
Last 7 Days*	0.00



Global Forecast System Model 16-day Cumulative Precipitation Forecast



GFS 10/18/21 12UTC 384HR FCST VALID MED 11/03/21 12UTC NOAA/NWS/NCEP



GFS MED 211103/1200Y384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Oct 18 - Nov 3, 2021	4.2