



**Sonoma Water**

State Water Resources Control Board  
 Temporary Urgency Change Order (6/14/2021)  
 Russian River Hydrologic Report  
 September 24, 2021 - September 30, 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).

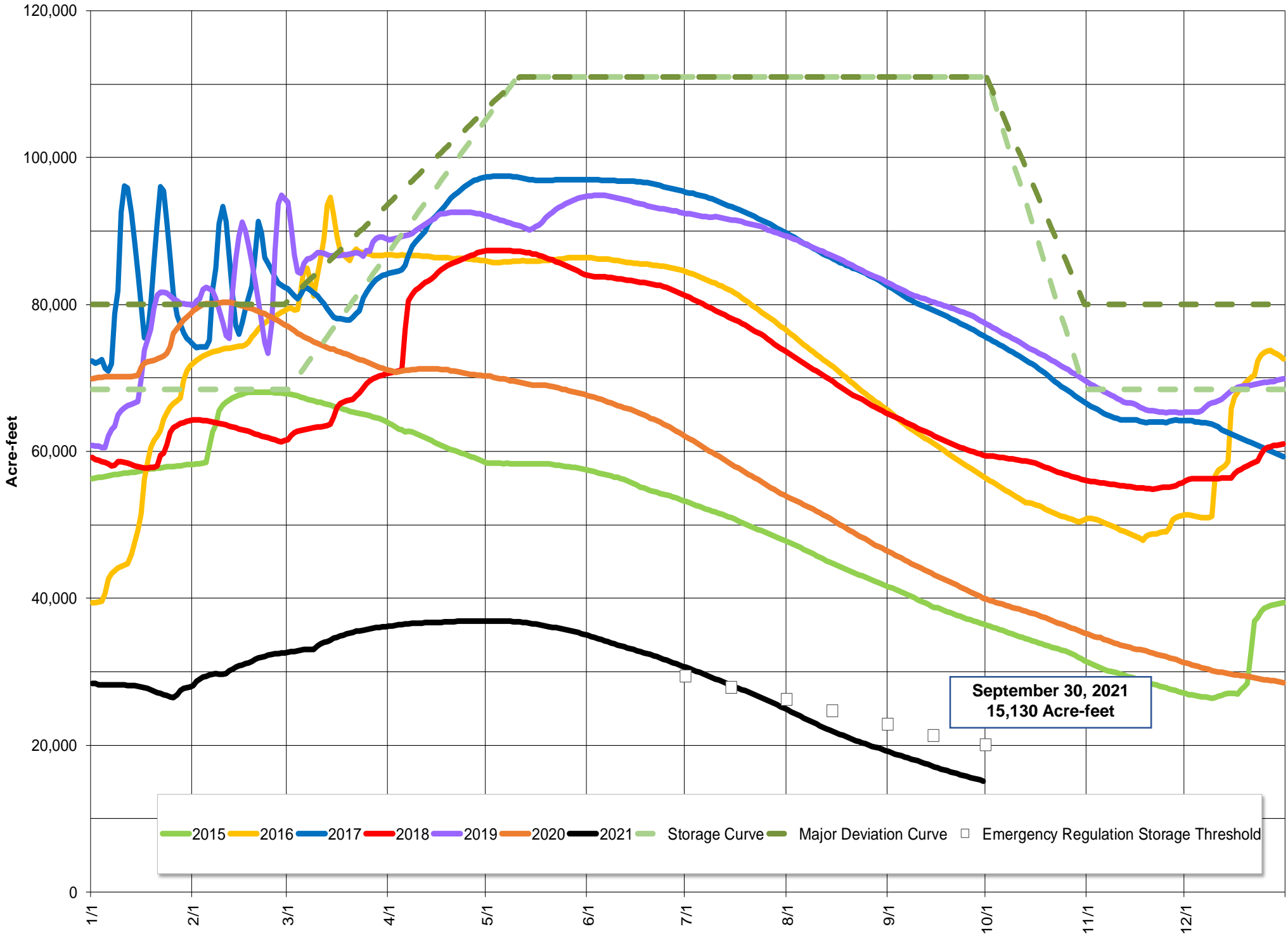
**Instream Flow Requirements as of September 30, 2021**

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**



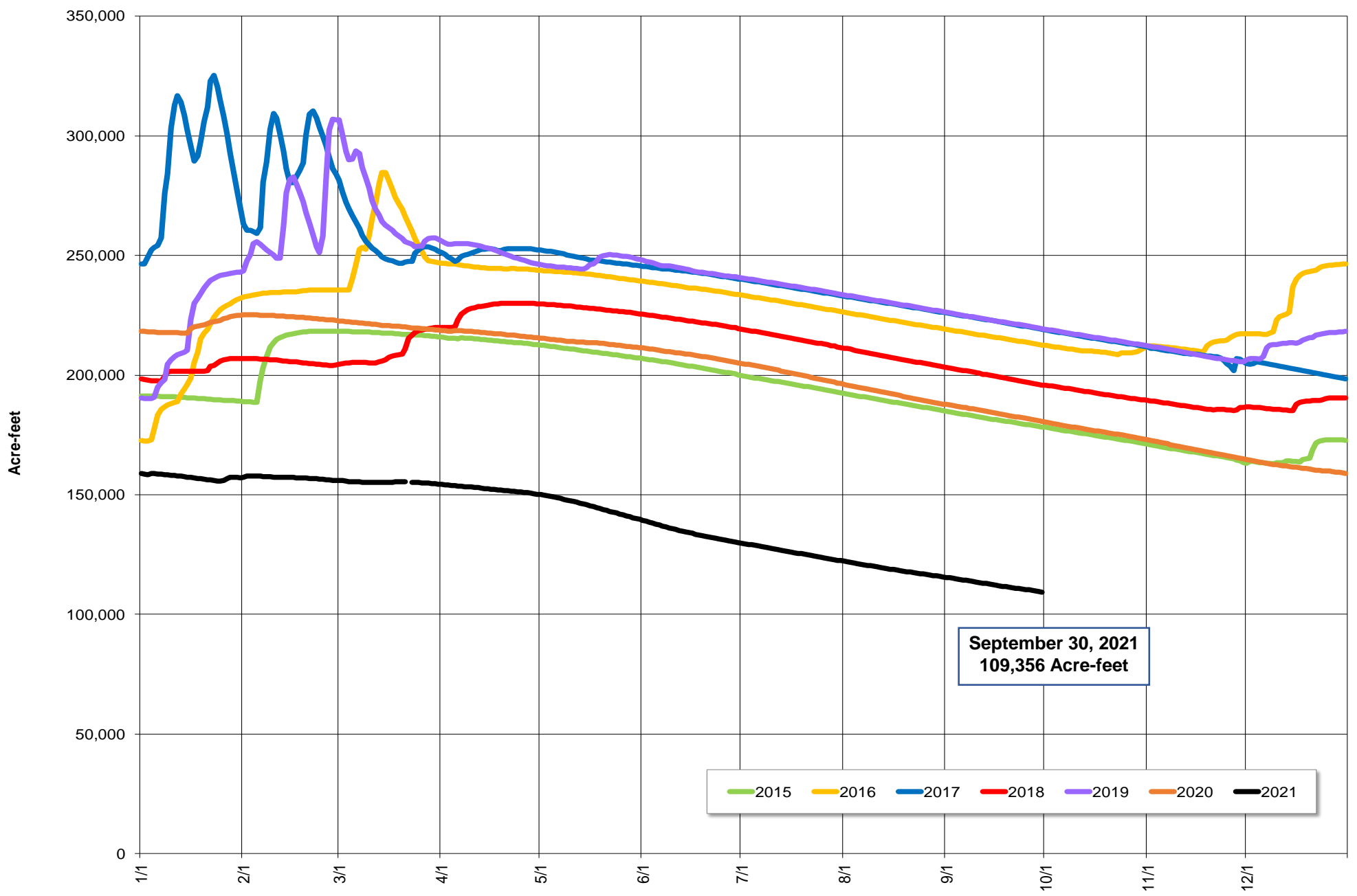
Storage (acre-feet)	September 30, 2021	15,130	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-4,140	-138
	Last 7 days	-740	-106
Daily Inflow (cfs)	Last 7 days	Min	15
		Max	22
		Mean	19
Release (cfs)	Last 7 days	Min	77
		Max	77
		Mean	77

# Lake Sonoma



Nathan Baskett, March 3, 2011

### Lake Sonoma Storage 2015-2021



Storage (acre-feet)	September 30, 2021	<b>109,356</b>	
Change in Storage (acre-feet)	Last 30 days	<b>-6,328</b>	<b>-211</b>
	Last 7 days	<b>-1,262</b>	<b>-180</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>0</b>
		Max	<b>0</b>
		Mean	<b>0</b>
Release (cfs)	Last 7 days	Min	<b>71</b>
		Max	<b>84</b>
		Mean	<b>82</b>

# Potter Valley Project

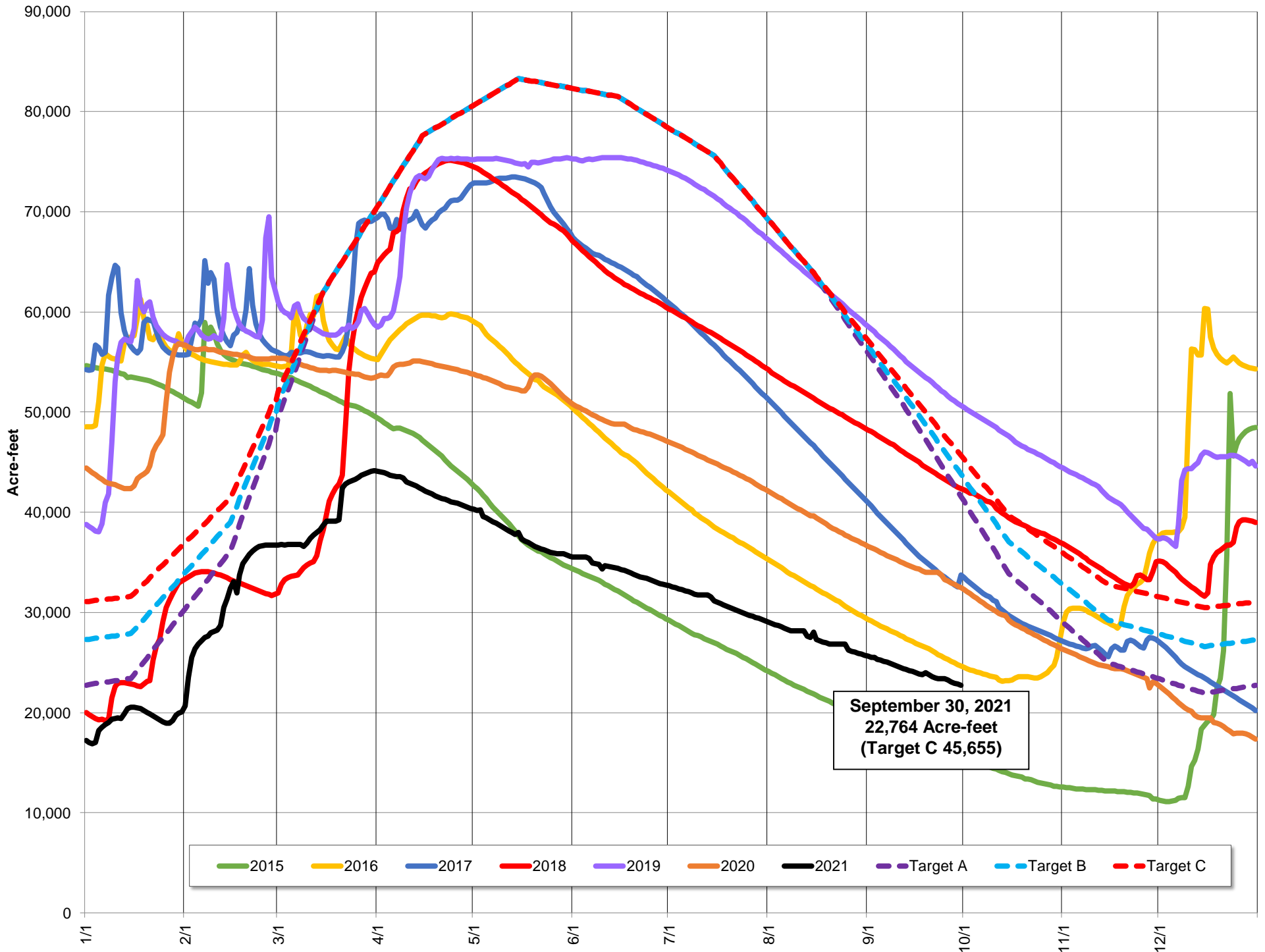
PVP Diversion (cfs)	September 23, 2021	29
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2020 - September 30, 2021	83,800	230
	Last 7 days	146	21

\*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios

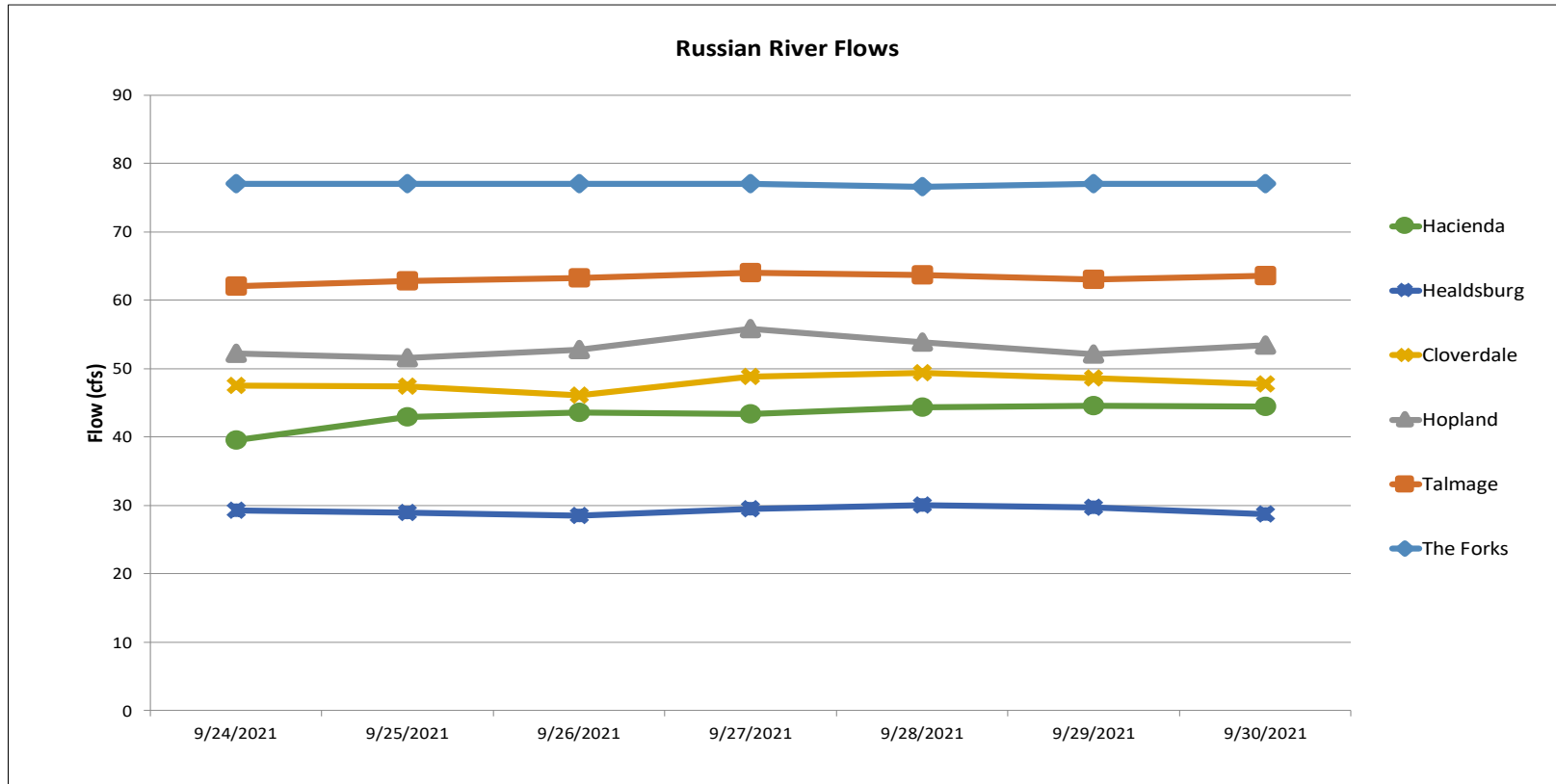




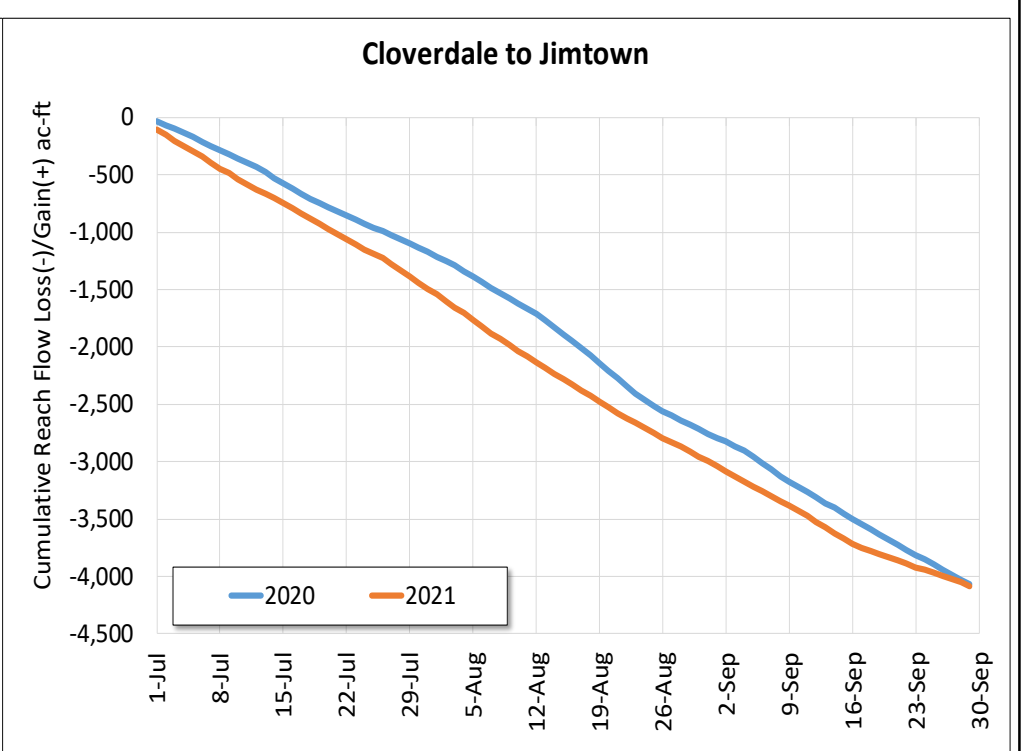
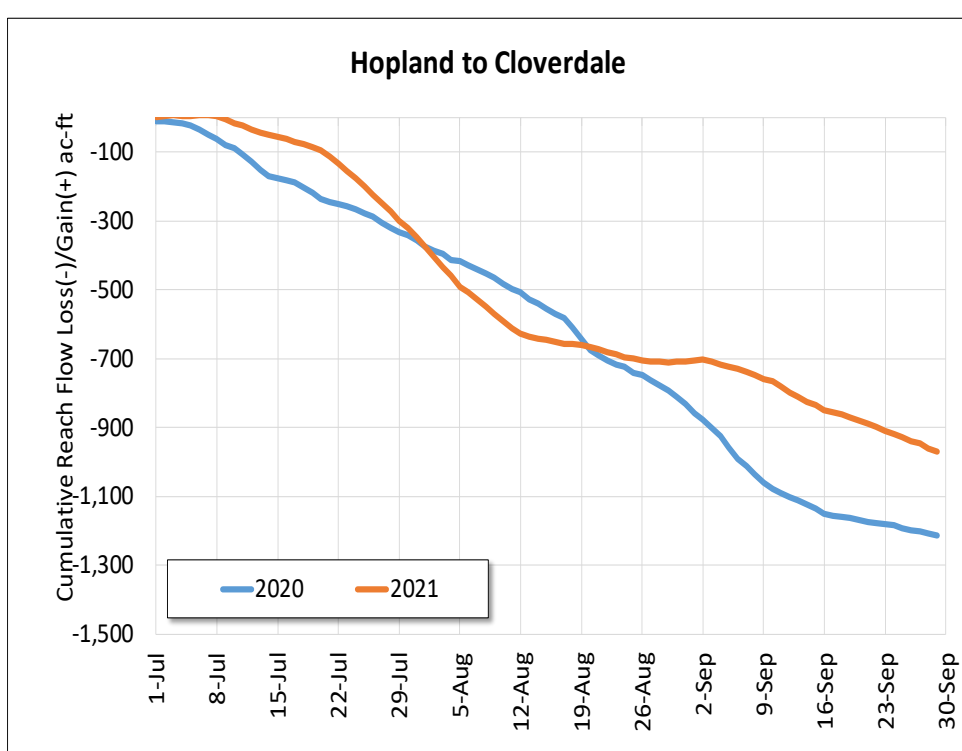
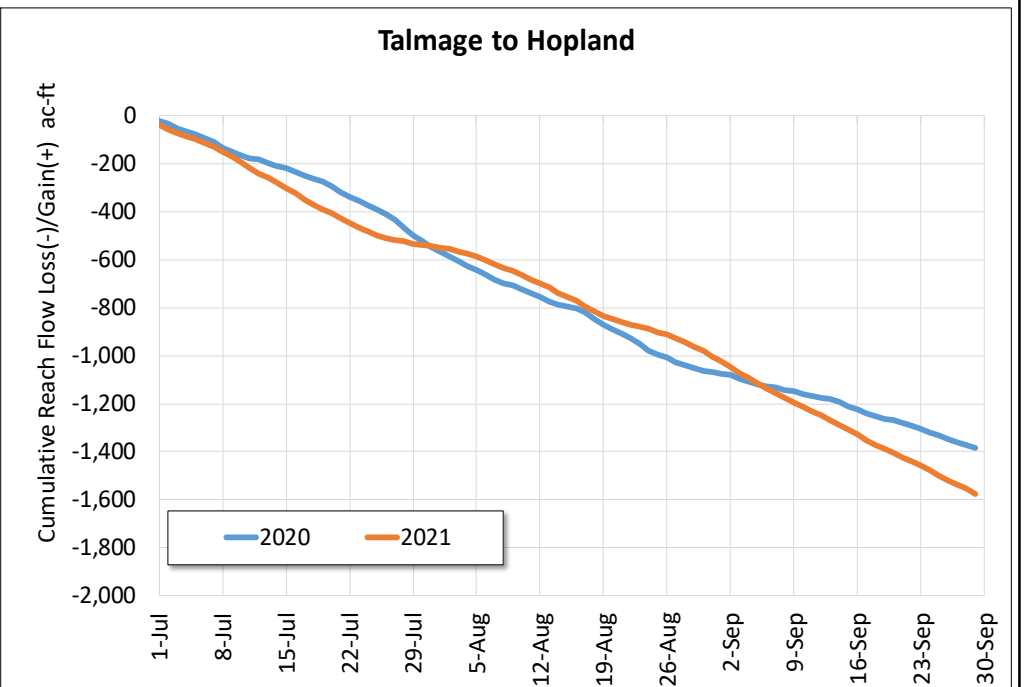
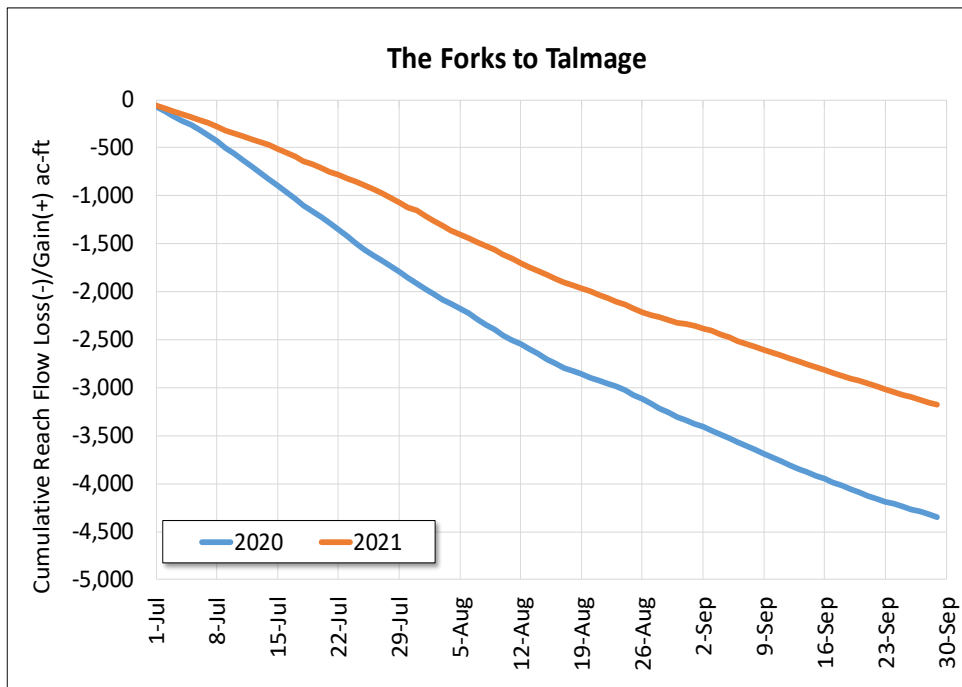
### Russian River Flows (September 24 - September 30, 2021)

Gage	24-hr Average Flow (cfs)						
	Sep 24, 2021	Sep 25, 2021	Sep 26, 2021	Sep 27, 2021	Sep 28, 2021	Sep 29, 2021	Sep 30, 2021
The Forks*	77	77	77	77	77	77	77
Talmage USGS 11462080	62	63	63	64	64	63	64
Hopland USGS 11462500	52	52	53	56	54	52	53
Cloverdale USGS 11463000	48	47	46	49	49	49	48
Healdsburg USGS 11464000	29	29	29	30	30	30	29
Hacienda USGS 11467000	40	43	44	43	44	45	45

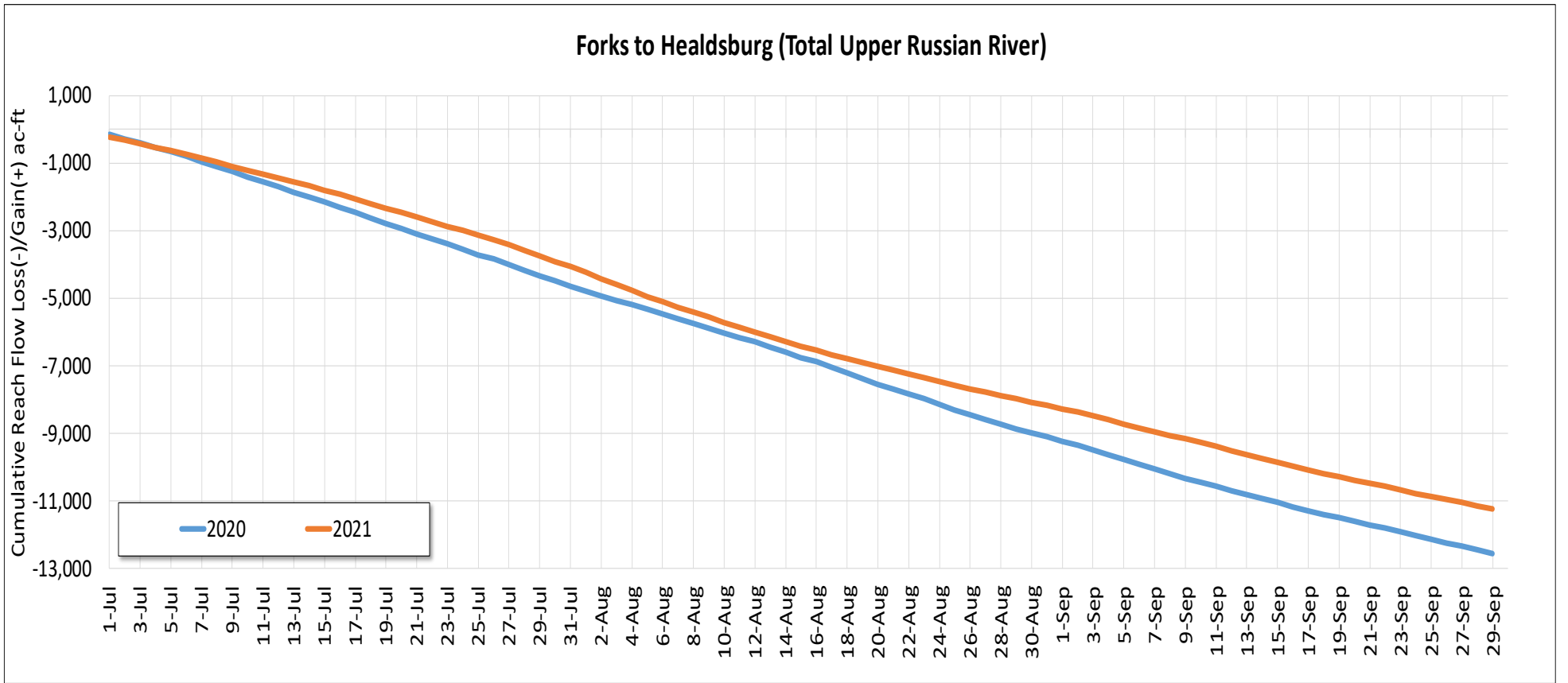
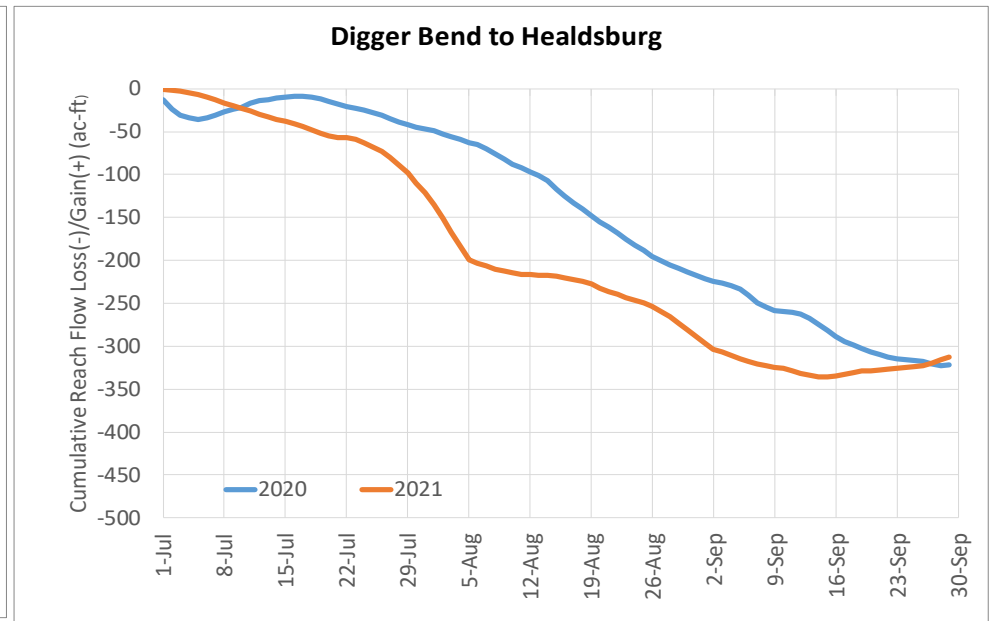
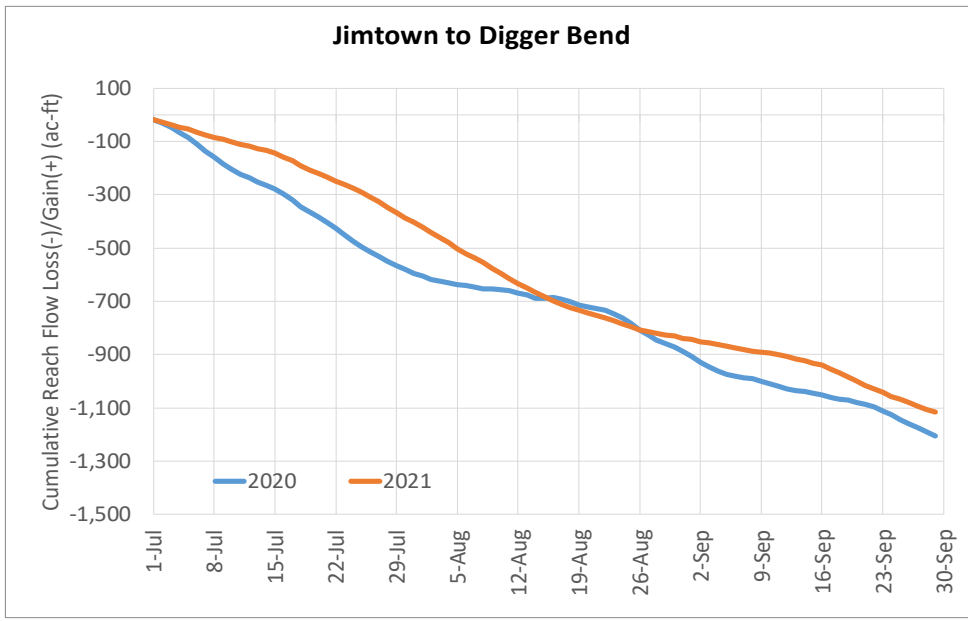
\*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



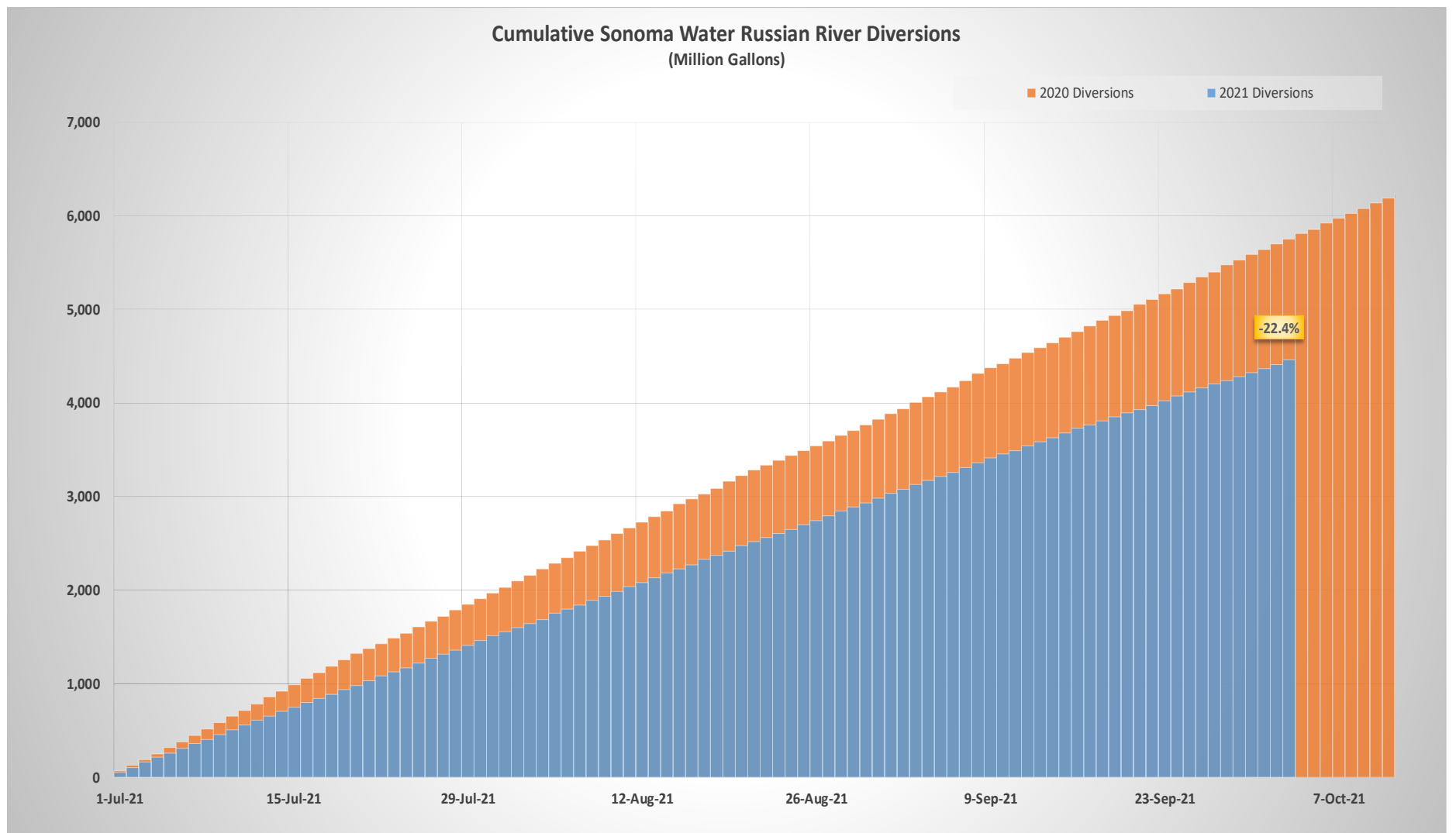
### Upper Russian River Flow Gain/Loss (July 1 - September 30, 2021)



### Upper Russian River Flow Gain/Loss (July 1 - September 30, 2021)



### Sonoma Water River Diversions (July 1 - September 30, 2021)



**Russian River Fisheries Monitoring**



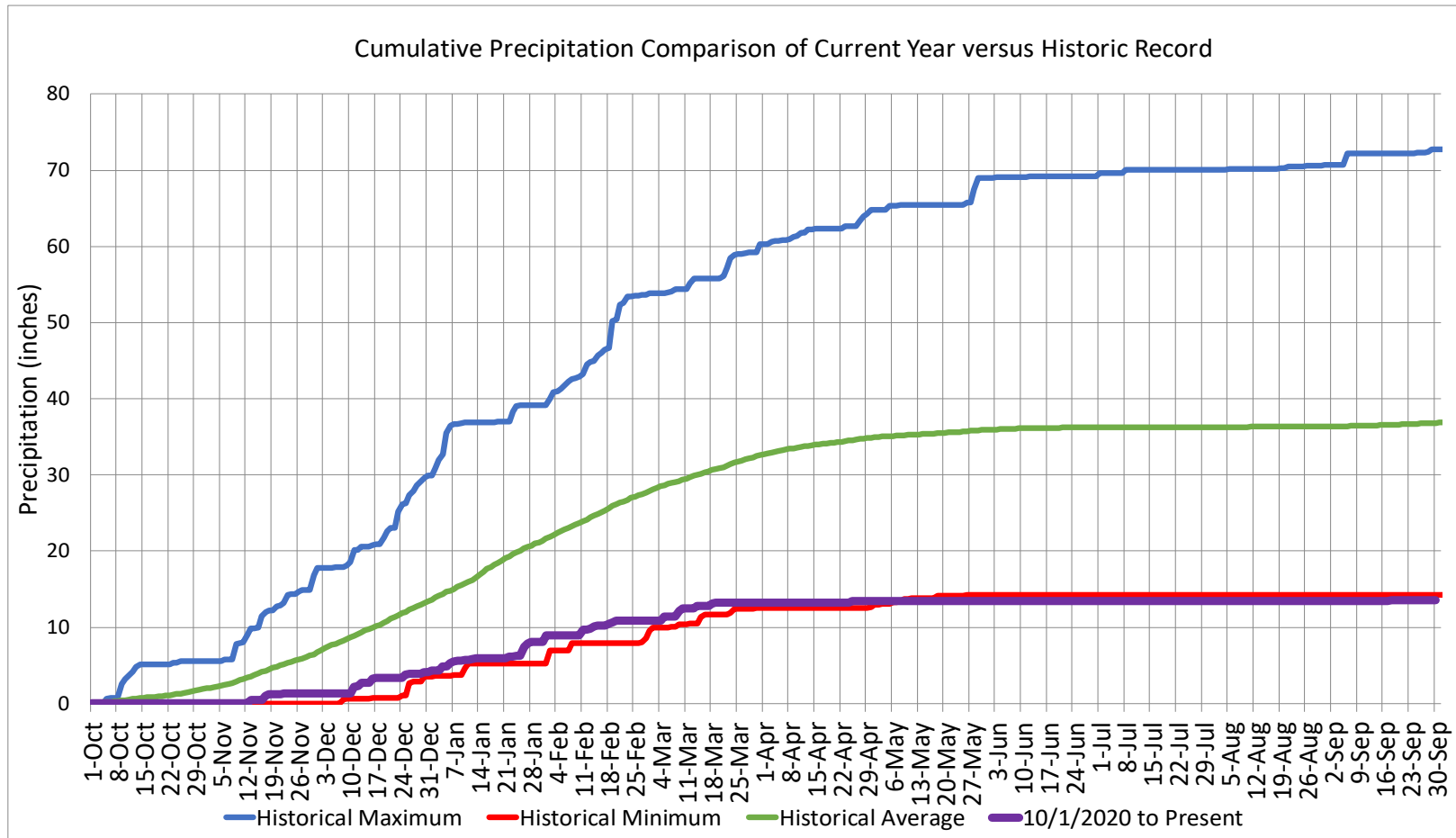
Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

Species	Number of fish
Chinook	6
Coho	2
Steelhead	0

Table 1. The number of adult salmonids observed on video collected at the Mirabel dam on the Russian River (9/1/21-9/28/21).

### Precipitation

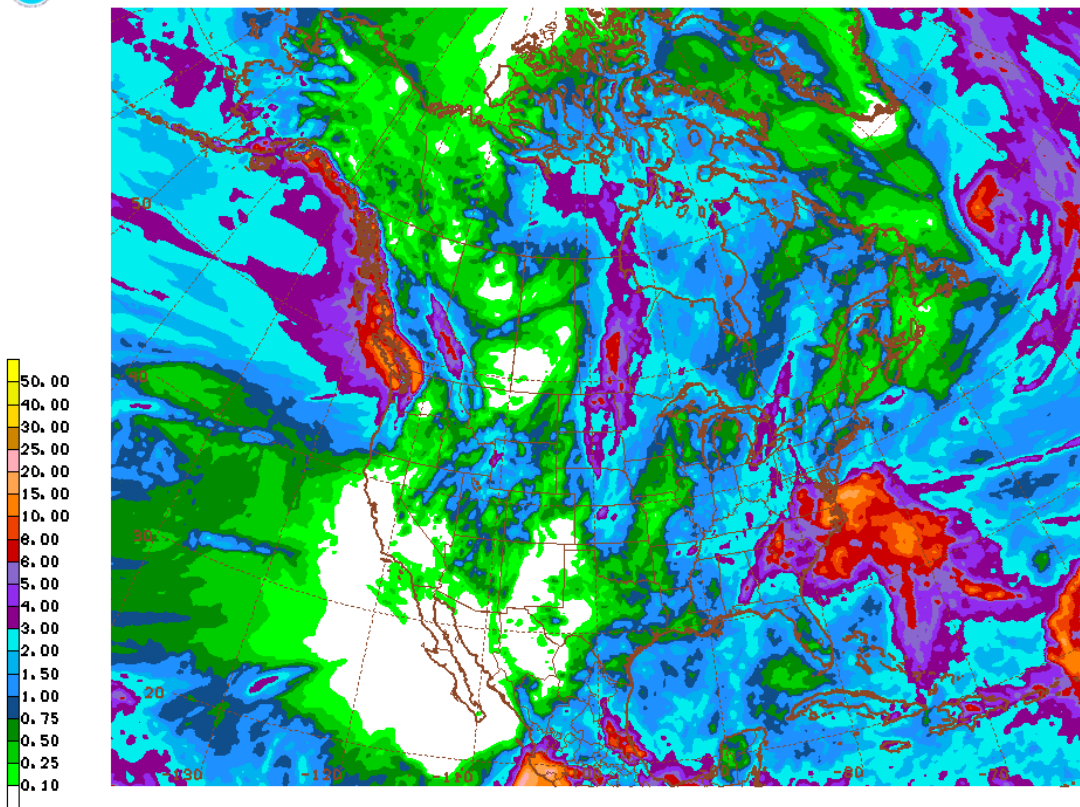
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2020 - Sep 30, 2021	<b>13.53</b>
Last 7 Days*	<b>0.00</b>



### Global Forecast System Model 16-day Cumulative Precipitation Forecast



BFS 10/04/21 18UTC 384HR FCST VALID WED 10/20/21 18UTC NOAA/NWS/NCEP



BFS WED 211020/1800V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Oct 4 - Oct 20, 2021	<b>0.0</b>