



**Sonoma  
Water**

State Water Resources Control Board  
 Temporary Urgency Change Order (6/14/2021)  
 Russian River Hydrologic Report  
 October 22, 2021 - October 28, 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).

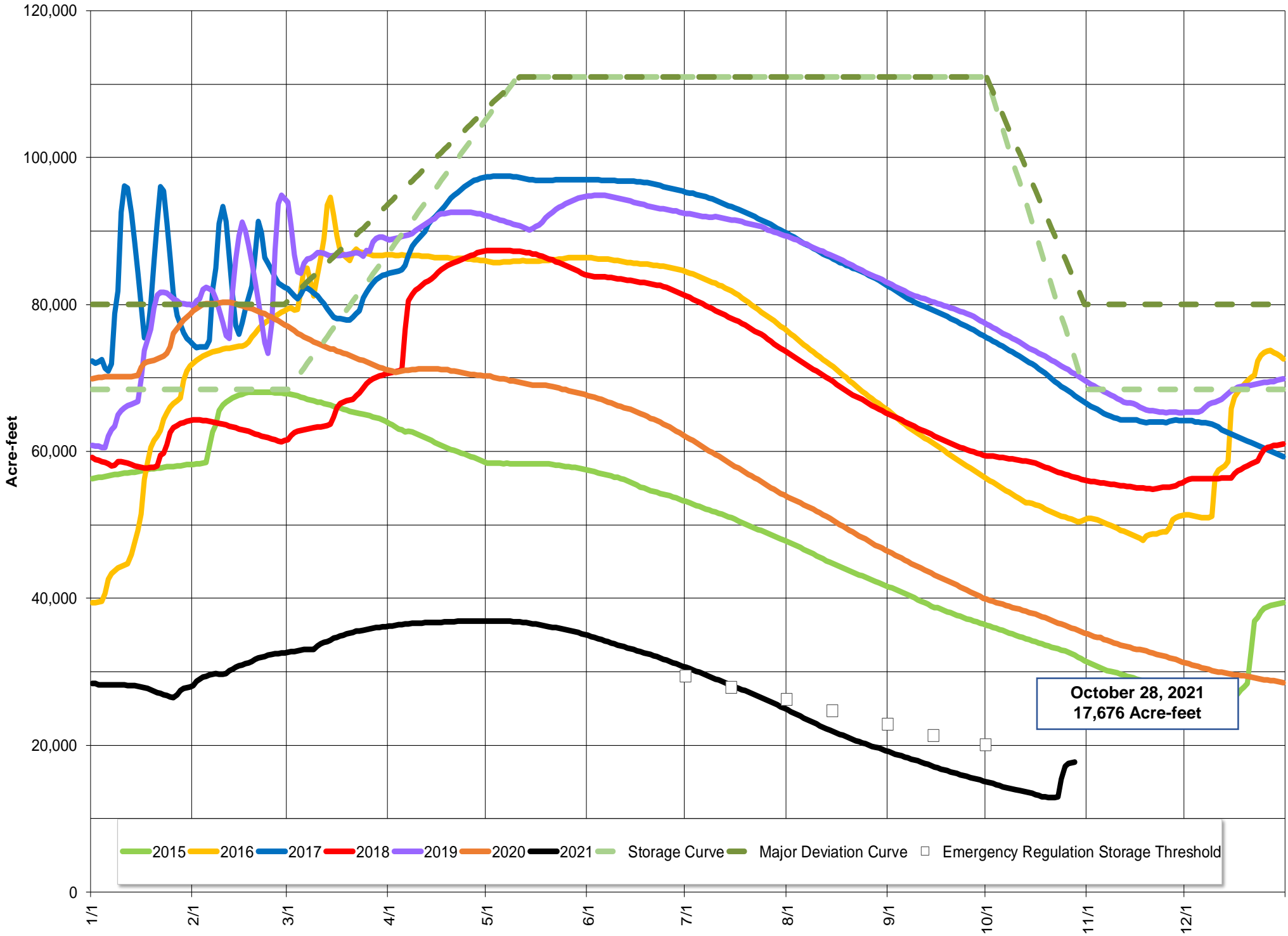
**Instream Flow Requirements as of October 28, 2021**

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**



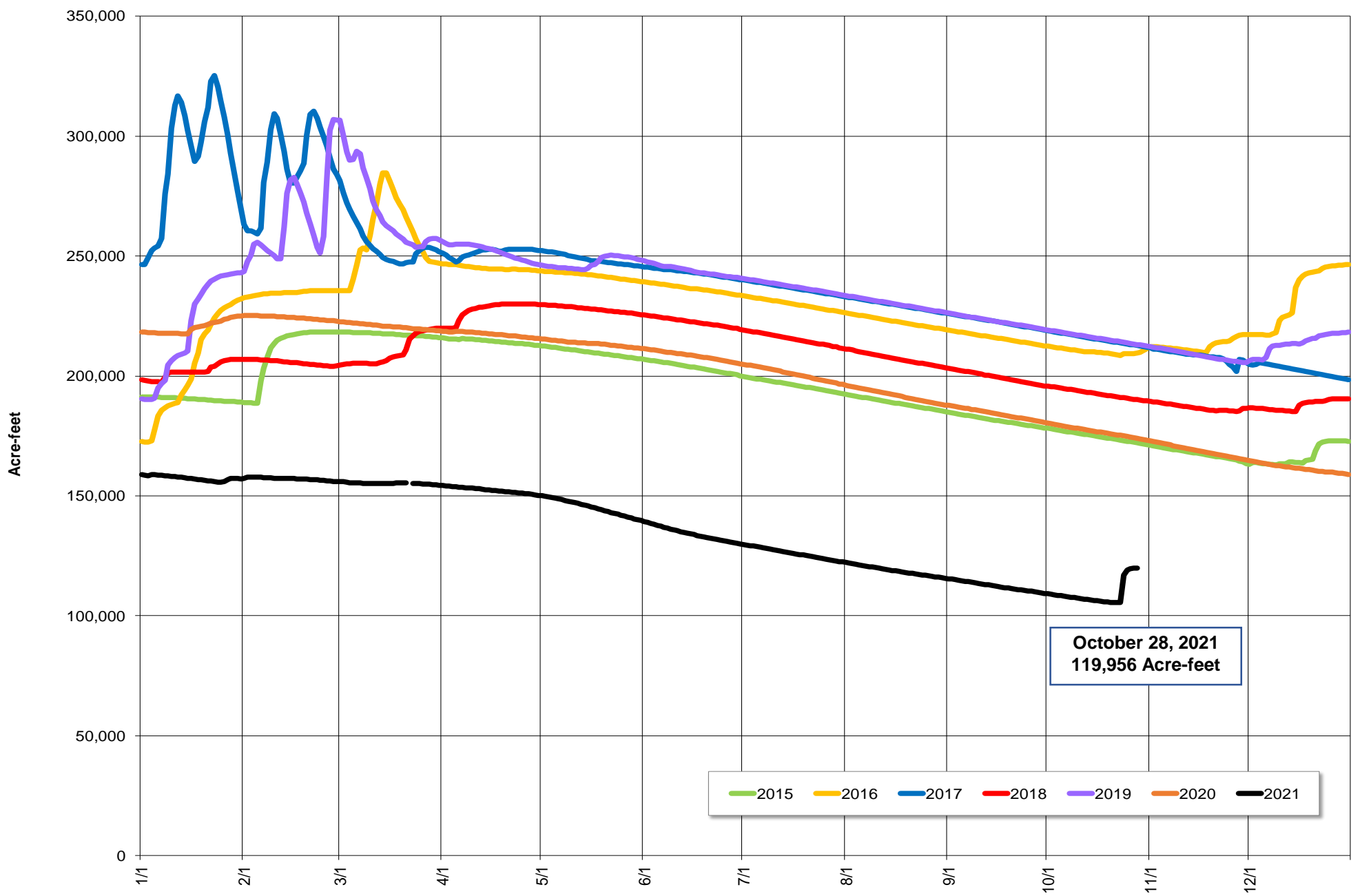
Storage (acre-feet)	October 28, 2021	<b>17,676</b>	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	<b>2,299</b>	<b>77</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>36</b>
		Max	<b>1,215</b>
		Mean	<b>343</b>
Release (cfs)	Last 7 days	Min	<b>32</b>
		Max	<b>42</b>
		Mean	<b>34</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2021



Storage (acre-feet)	October 28, 2021	<b>119,956</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>10,201</b>	<b>340</b>
	Last 7 days	<b>14,402</b>	<b>2,057</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>49</b>
		Max	<b>5,863</b>
		Mean	<b>977</b>
Release (cfs)	Last 7 days	Min	<b>51</b>
		Max	<b>79</b>
		Mean	<b>66</b>

# Potter Valley Project

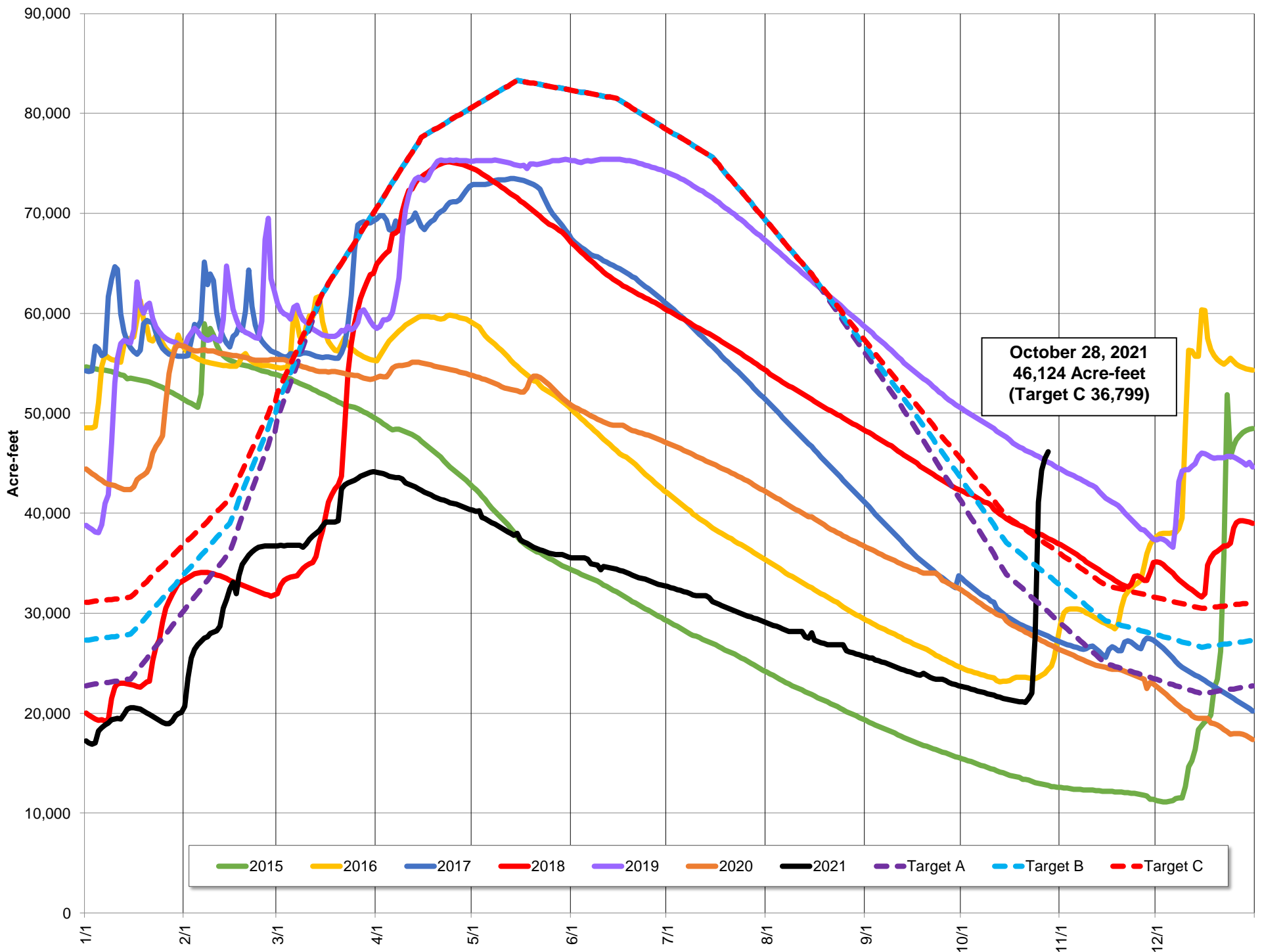
PVP Diversion (cfs)	October 28, 2021	45
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - October 28, 2021	27,317	976
	Last 7 days	26,916	3,845

\*Inflow calculation based on criteria established in D1610

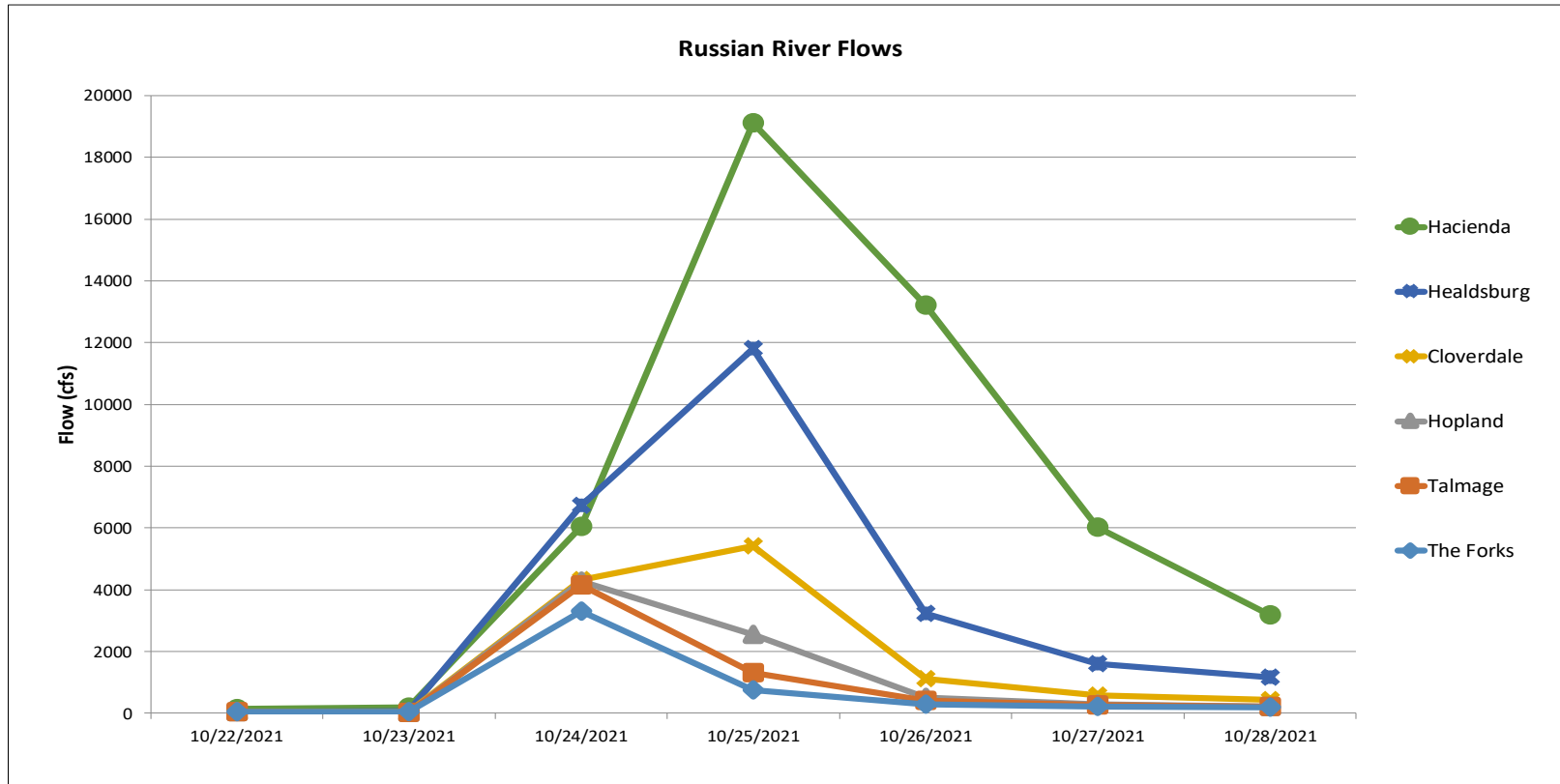
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



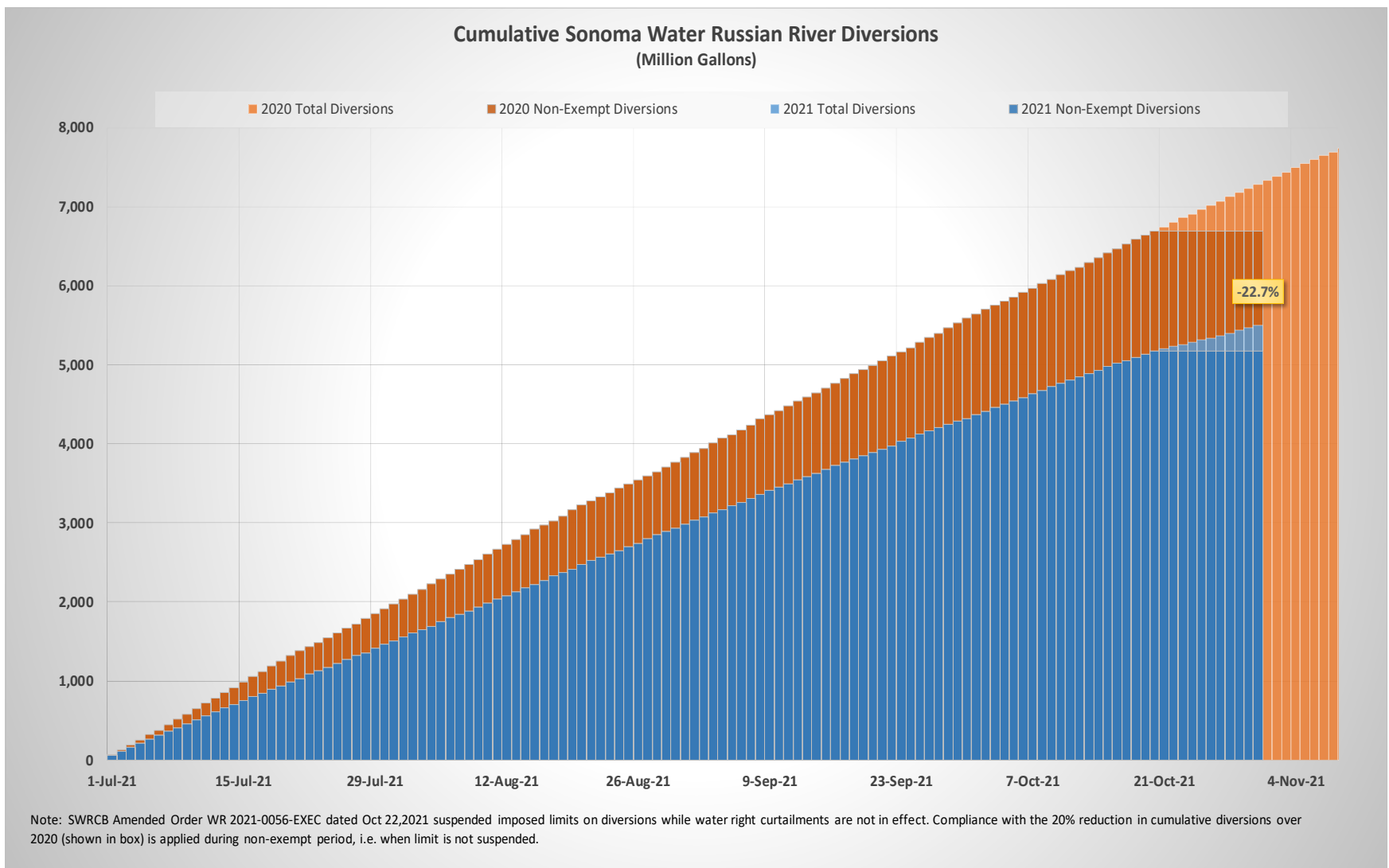
### Russian River Flows (October 22 - October 28, 2021)

Gage	24-hr Average Flow (cfs)						
	Oct 22, 2021	Oct 23, 2021	Oct 24, 2021	Oct 25, 2021	Oct 26, 2021	Oct 27, 2021	Oct 28, 2021
The Forks*	42	37	3292	760	294	228	185
Talmage USGS 11462080	54	35	4140	1310	400	269	210
Hopland USGS 11462500	59	31	4270	2550	504	302	229
Cloverdale USGS 11463000	58	53	4329	5408	1123	573	425
Healdsburg USGS 11464000	50	68	6720	11800	3240	1600	1160
Hacienda USGS 11467000	133	184	6050	19100	13200	6010	3180

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



### Sonoma Water River Diversions (July 1 - October 28, 2021)



## Russian River Fisheries Monitoring

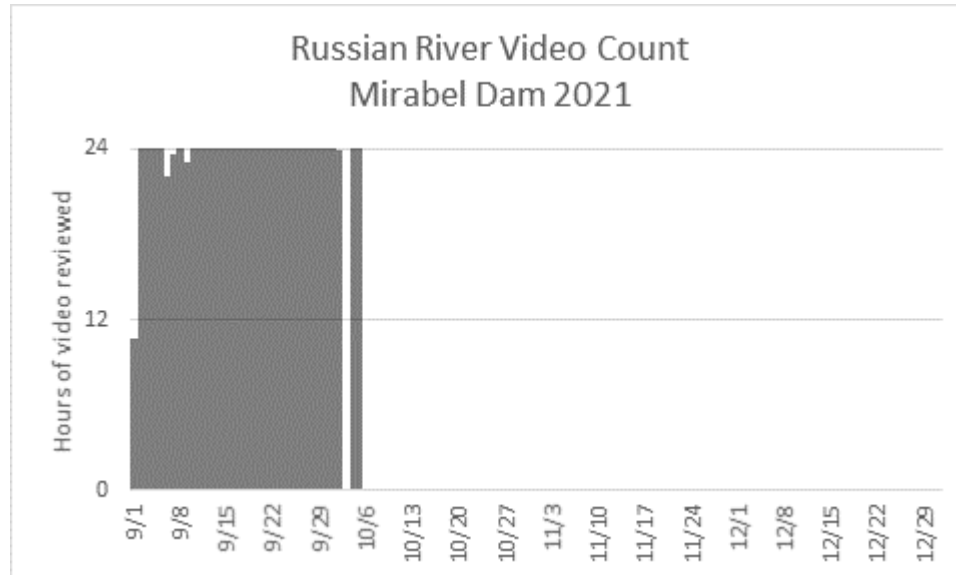


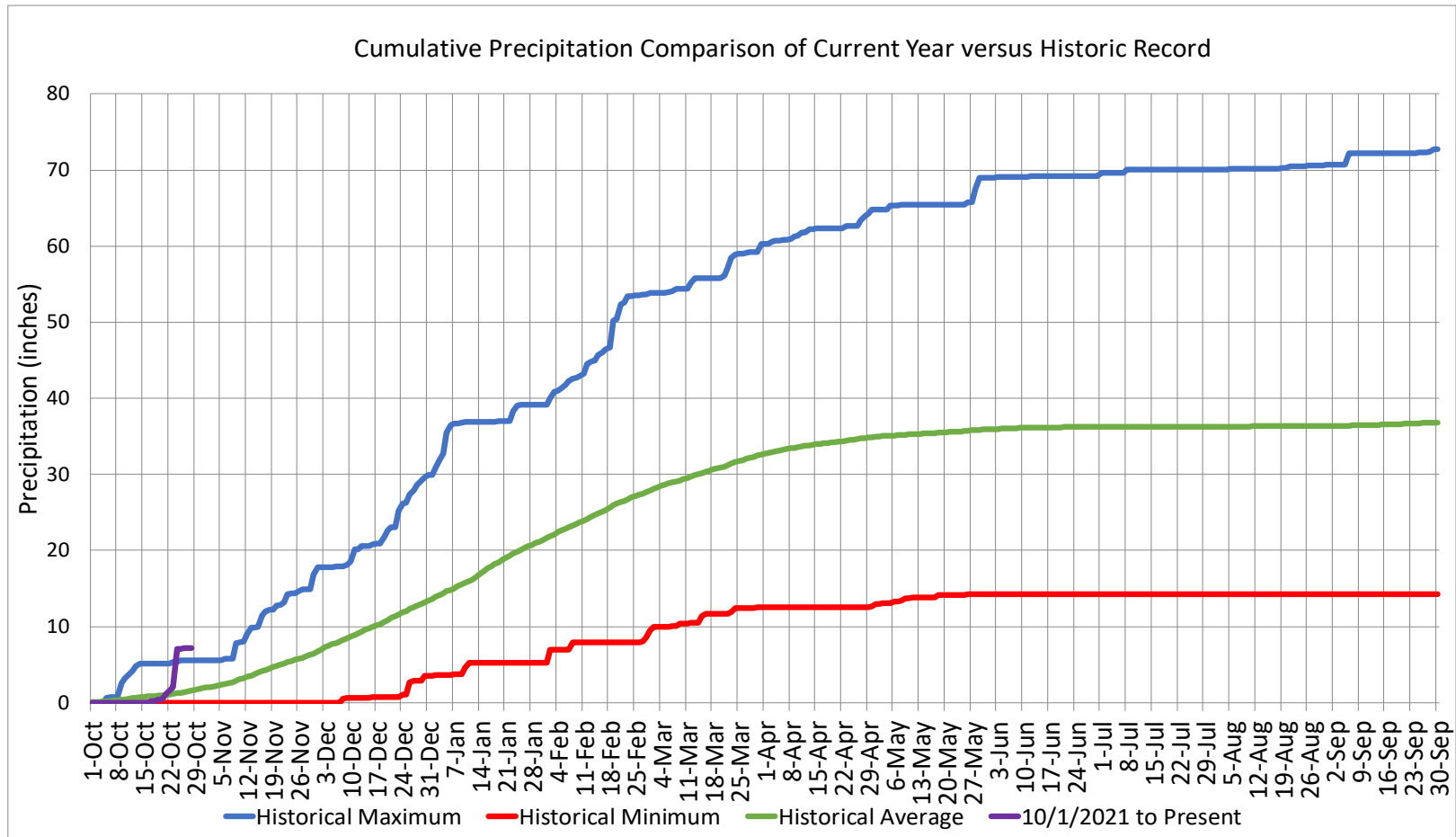
Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

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

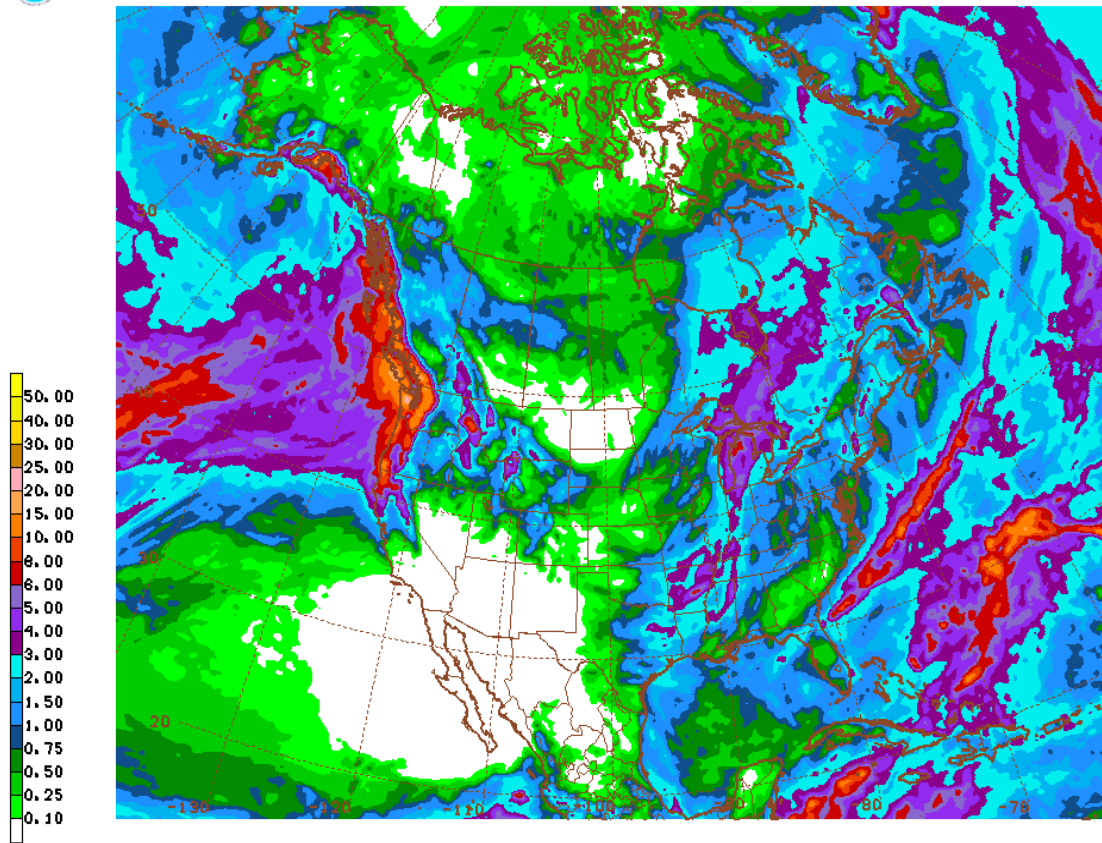
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Oct 28, 2021	<b>7.18</b>
Last 7 Days*	<b>5.61</b>



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



GFS 11/01/21 12UTC 384HR FCST VALID WED 11/17/21 12UTC NOAA/NWS/NCEP



GFS WED 211117/1200V384 384HR ACCUMULATED PRECIP (IN)  
 Date Range                      Forecasted Cumulative (inches)  
 Nov 1 - Nov 17, 2021            **3.4**