



**Sonoma  
Water**

State Water Resources Control Board  
 Temporary Urgency Change Order (6/14/2021)  
 Russian River Hydrologic Report  
 October 29, 2021 - November 4, 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).

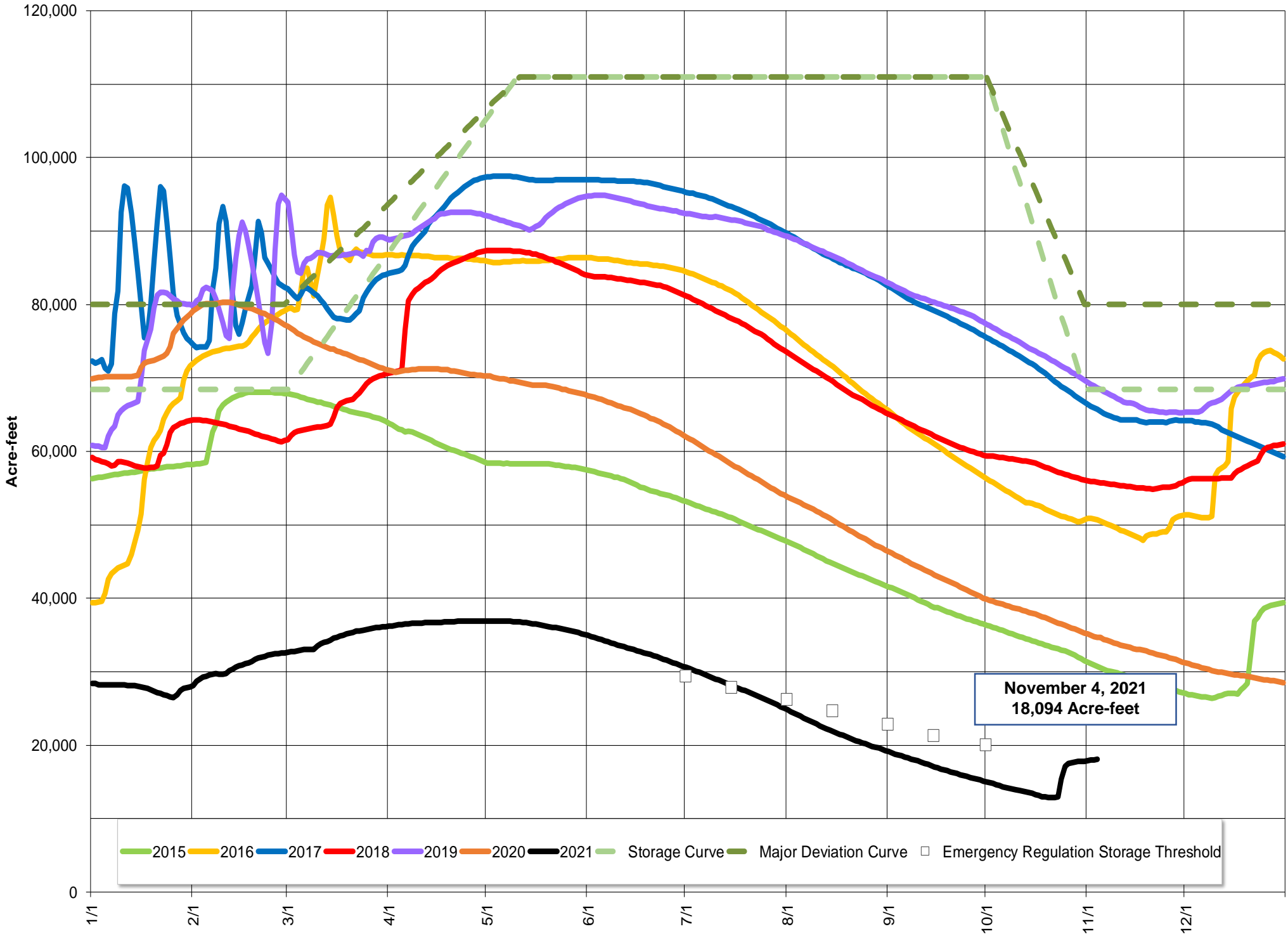
**Instream Flow Requirements as of November 4, 2021**

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**



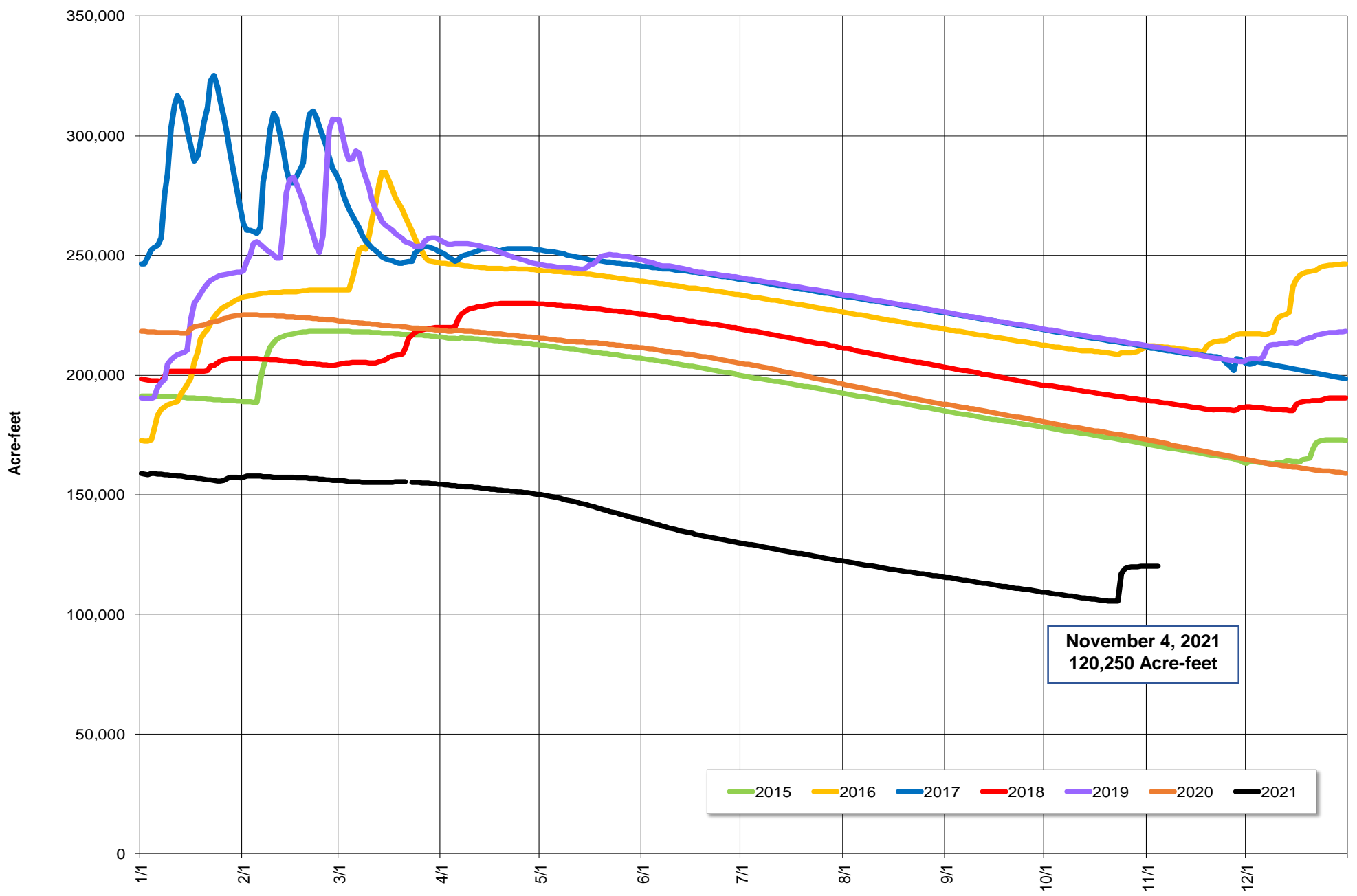
Storage (acre-feet)	November 4, 2021	<b>18,094</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>3,599</b>	<b>120</b>
	Last 7 days	<b>342</b>	<b>49</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>36</b>
		Max	<b>76</b>
		Mean	<b>65</b>
Release (cfs)	Last 7 days	Min	<b>31</b>
		Max	<b>32</b>
		Mean	<b>32</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

### Lake Sonoma Storage 2015-2021



Storage (acre-feet)	November 4, 2021	<b>120,250</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>11,857</b>	<b>395</b>
	Last 7 days	<b>245</b>	<b>35</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>51</b>
		Max	<b>121</b>
		Mean	<b>86</b>
Release (cfs)	Last 7 days	Min	<b>49</b>
		Max	<b>80</b>
		Mean	<b>65</b>

# Potter Valley Project

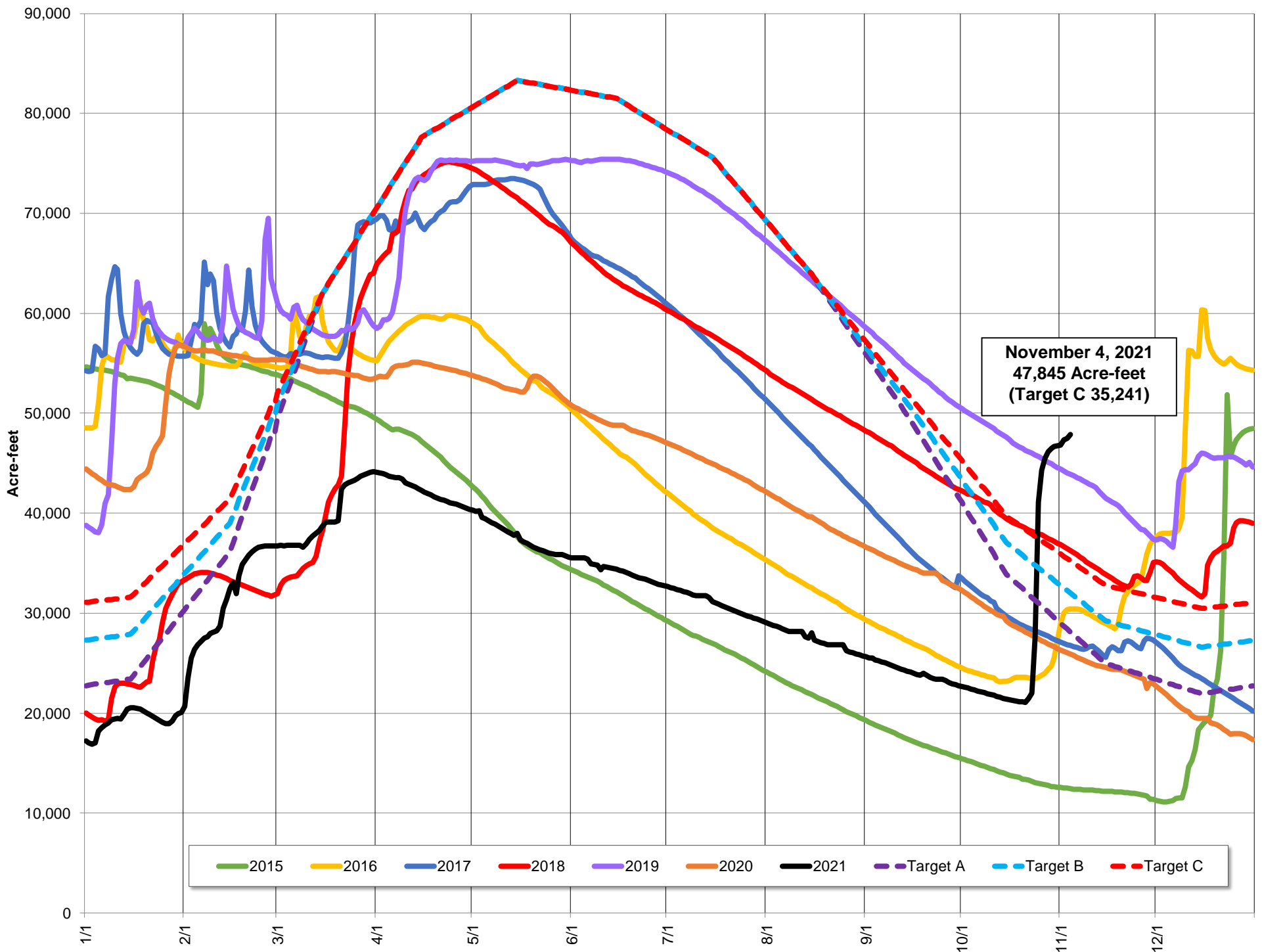
PVP Diversion (cfs)	November 4, 2021	45
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - November 4, 2021	31,811	909
	Last 7 days	4,494	642

\*Inflow calculation based on criteria established in D1610

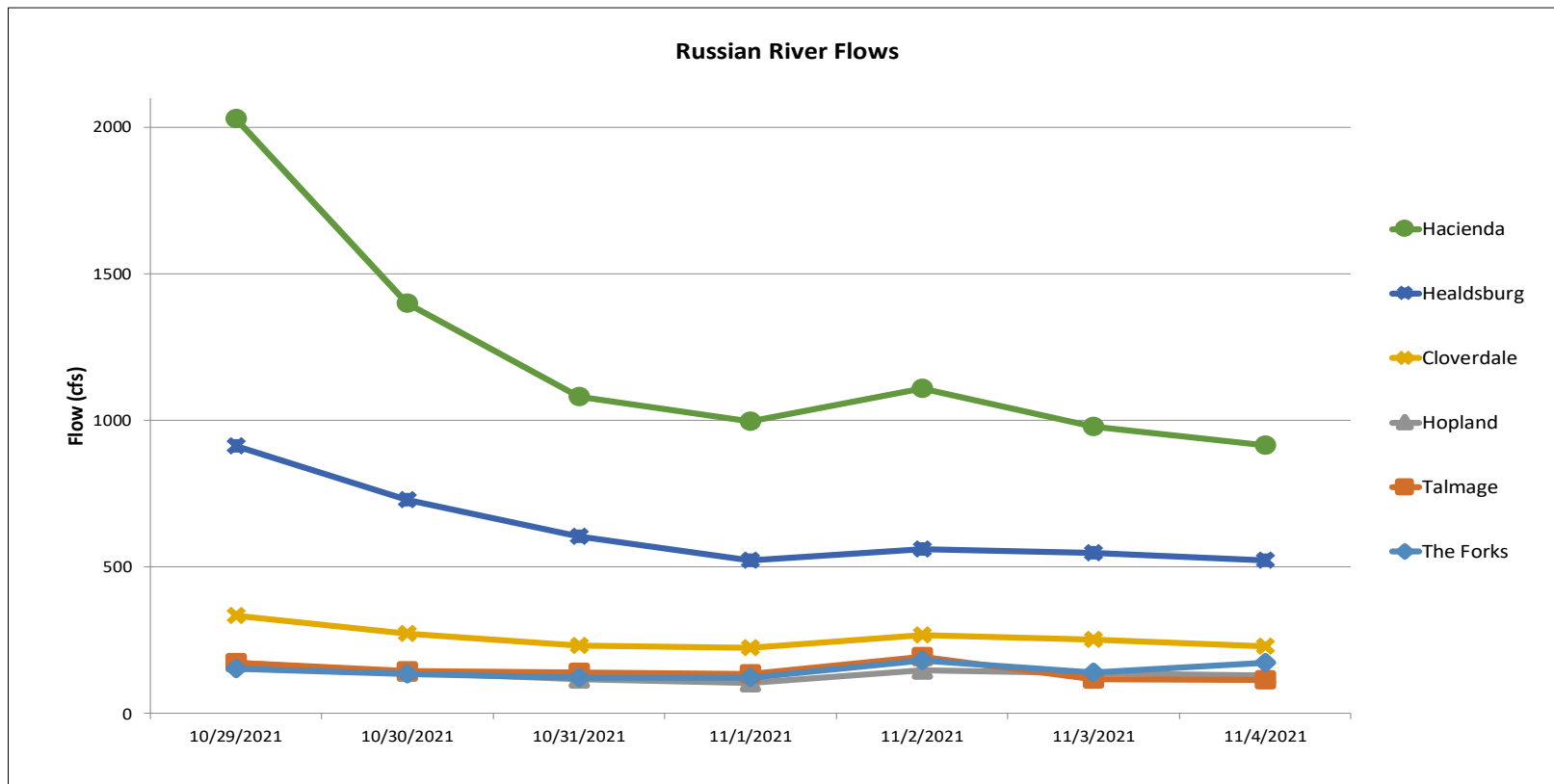
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



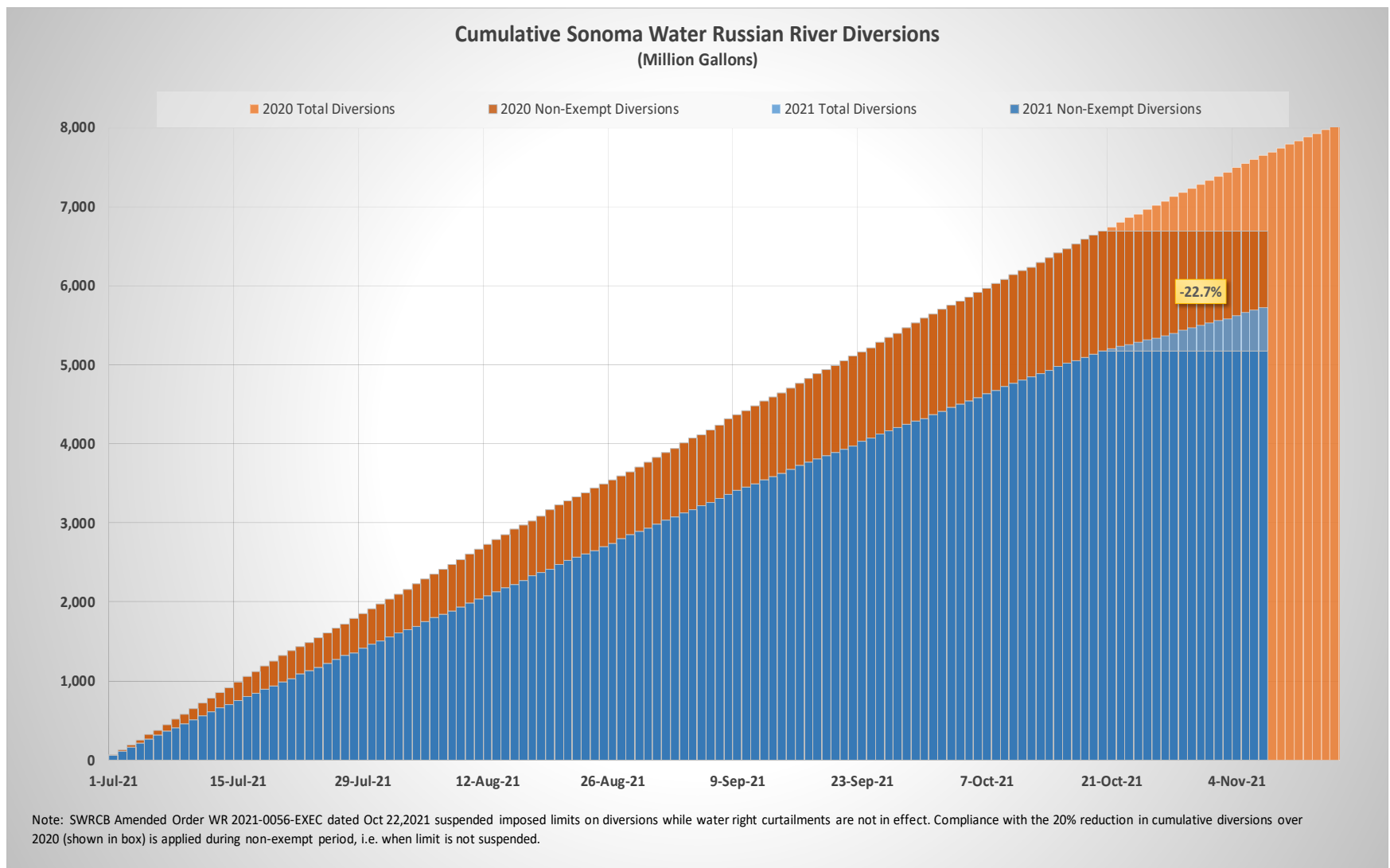
### Russian River Flows (October 29 - November 4, 2021)

Gage	24-hr Average Flow (cfs)						
	Oct 29, 2021	Oct 30, 2021	Oct 31, 2021	Nov 1, 2021	Nov 2, 2021	Nov 3, 2021	Nov 4, 2021
The Forks*	153	134	121	122	180	140	172
Talmage USGS 11462080	174	146	140	134	193	116	114
Hopland USGS 11462500	174	140	118	104	147	137	129
Cloverdale USGS 11463000	334	273	233	223	268	253	230
Healdsburg USGS 11464000	912	729	603	522	561	549	522
Hacienda USGS 11467000	2030	1400	1080	997	1110	978	914

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



### Sonoma Water River Diversions (July 1 - November 4, 2021)



**Russian River Fisheries Monitoring**

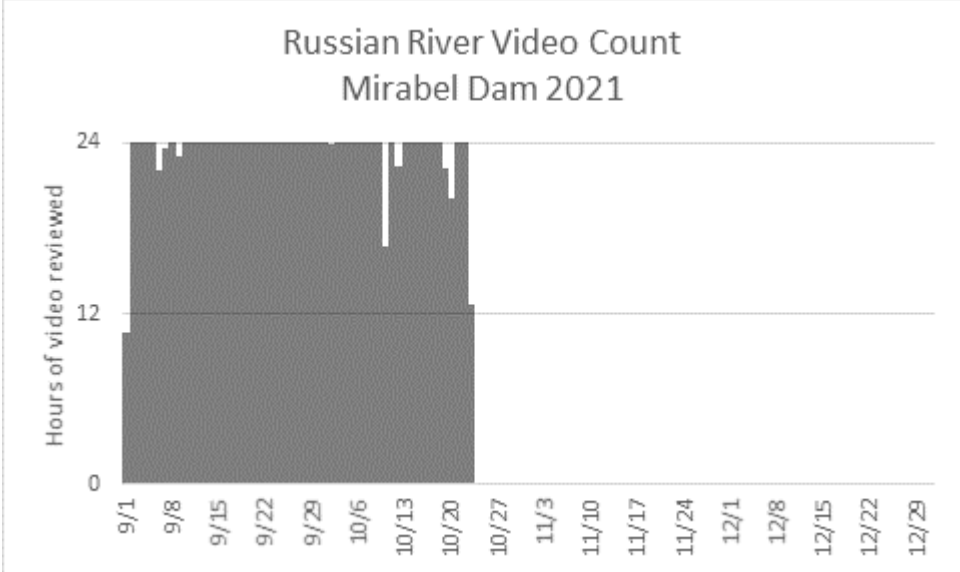


Figure 1. The number of hours of video reviewed per day collected at the Mirabel dam on the Russian River.

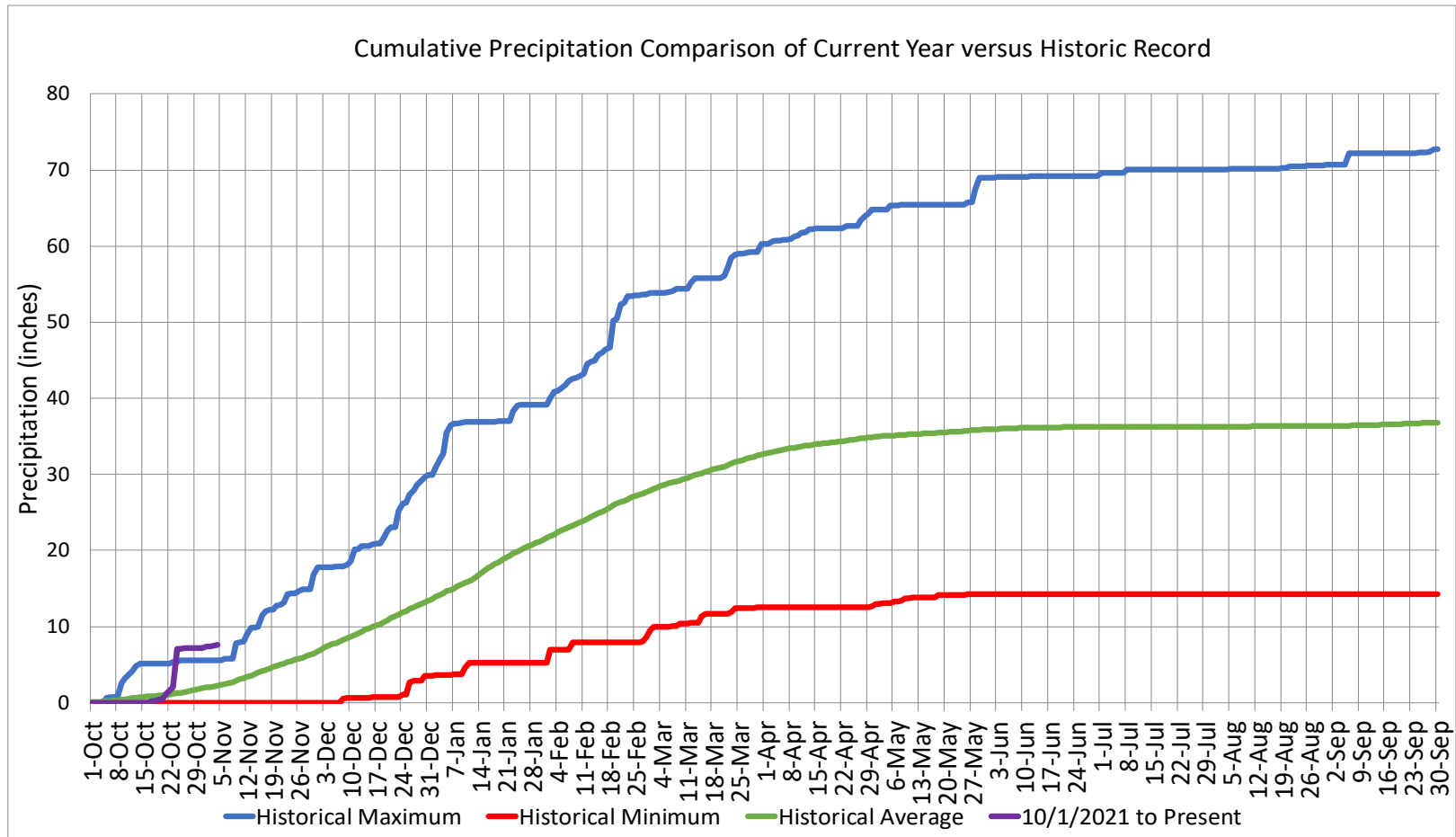
Species	Number of fish
Chinook	40
Coho	1
Steelhead	2

Table 1. The number of adult salmonids observed on video collected at the Mirabel dam on the Russian River (9/1/21-10/23/21).

Note: The video camera in the Mirabel fish ladder is no longer being operated due to the deflation of Mirabel dam. The last day we operated the camera in the fisher ladder was October 23, 2021. Many more adult salmonids likely passed Mirabel after the dam was deflated.

### Precipitation

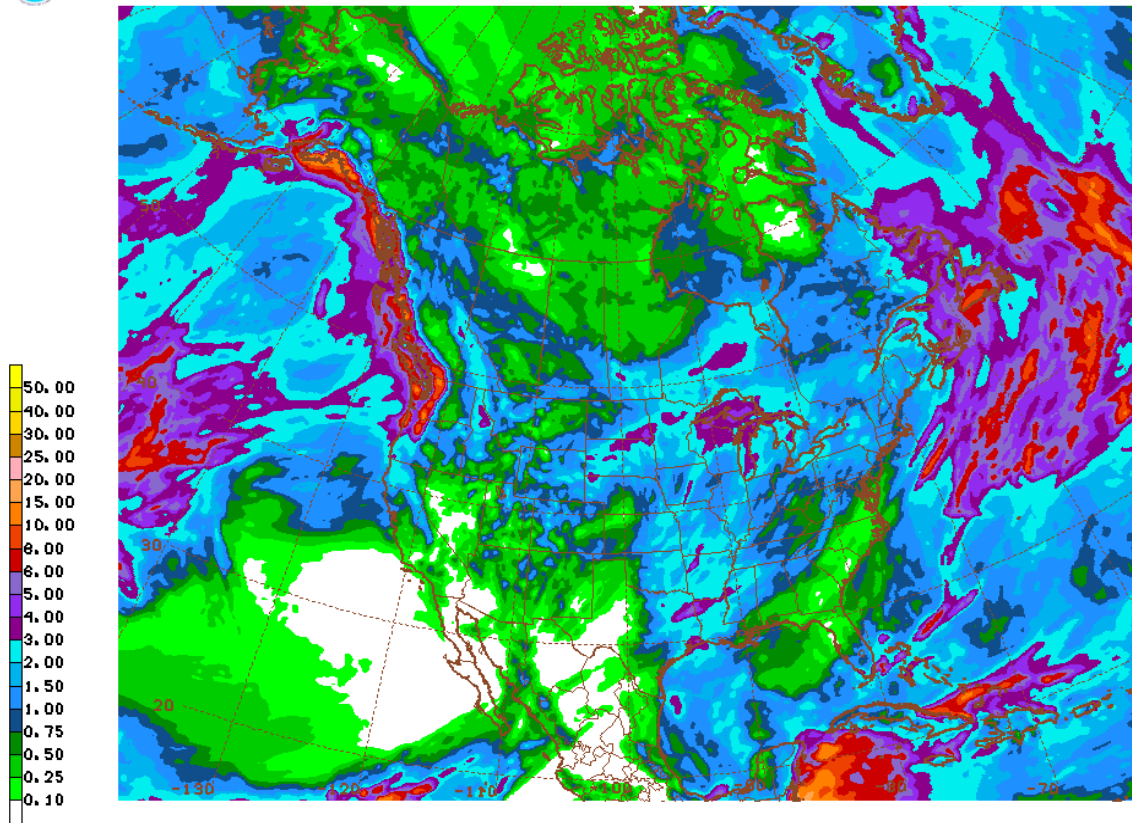
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Nov 4, 2021	<b>7.59</b>
Last 7 Days*	<b>0.41</b>



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



GFS 11/08/21 12UTC 384HR FCST VALID WED 11/24/21 12UTC NOAA/NWS/NCEP



GFS WED 211124/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Nov 8 - Nov 24, 2021	<b>0.7</b>