



**State Water Resources Control Board  
 Temporary Urgency Change Order (6/17/2022)  
 Russian River Hydrologic Report  
 September 30, 2022 - October 6, 2022**

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).

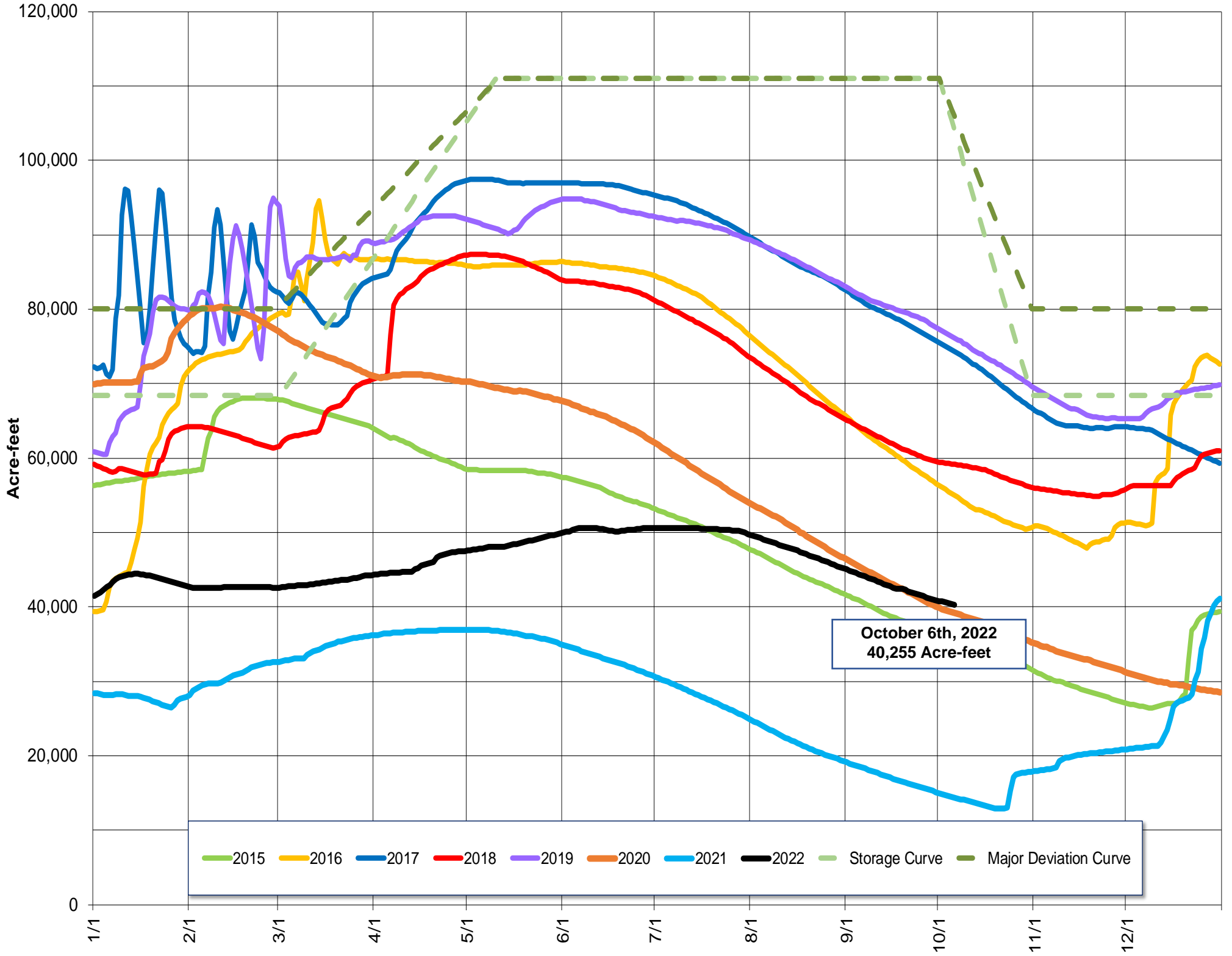
**Instream Flow Requirements as of October 6, 2022**

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Critical Condition	Upper Russian River	<b>15</b>	<b>25</b>
D-1610: Normal Condition	Dry Creek	<b>80</b>	<b>-</b>
Modified Per Order: Critical Condition	Lower Russian River	<b>25</b>	<b>35</b>

Upper and Lower Russian River based on criteria as established in the Order issued 6/17/2022.

**Lake Mendocino**

**Lake Mendocino Storage 2015 - 2022 and Storage Curve**



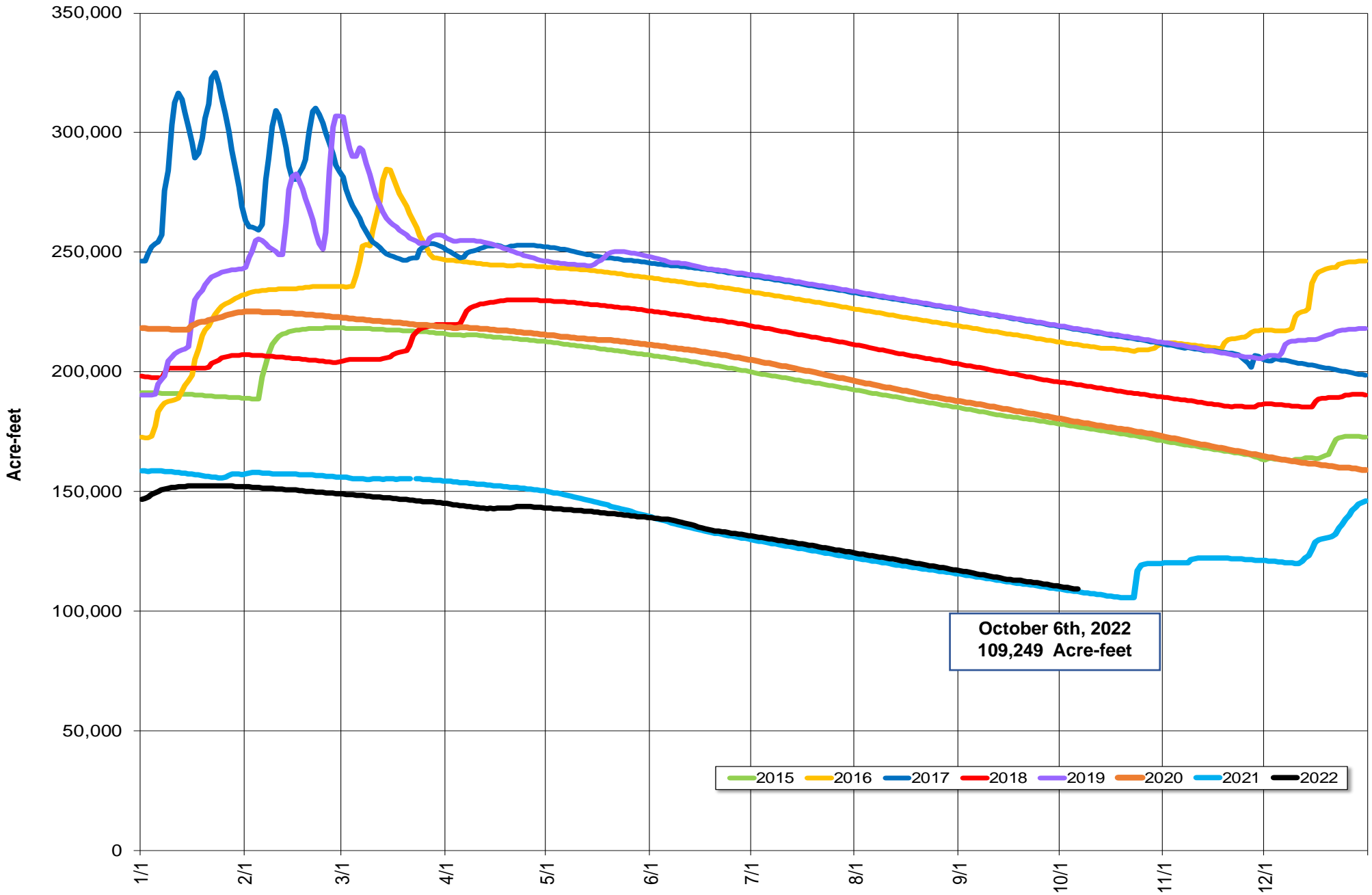
Storage (acre-feet)	October 6, 2022	<b>40,255</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-3,976</b>	<b>-133</b>
	Last 7 days	<b>-786</b>	<b>-112</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>8</b>
		Max	<b>22</b>
		Mean	<b>14</b>
Release (cfs)	Last 7 days	Min	<b>61</b>
		Max	<b>66</b>
		Mean	<b>62</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

## Lake Sonoma Storage 2015-2022

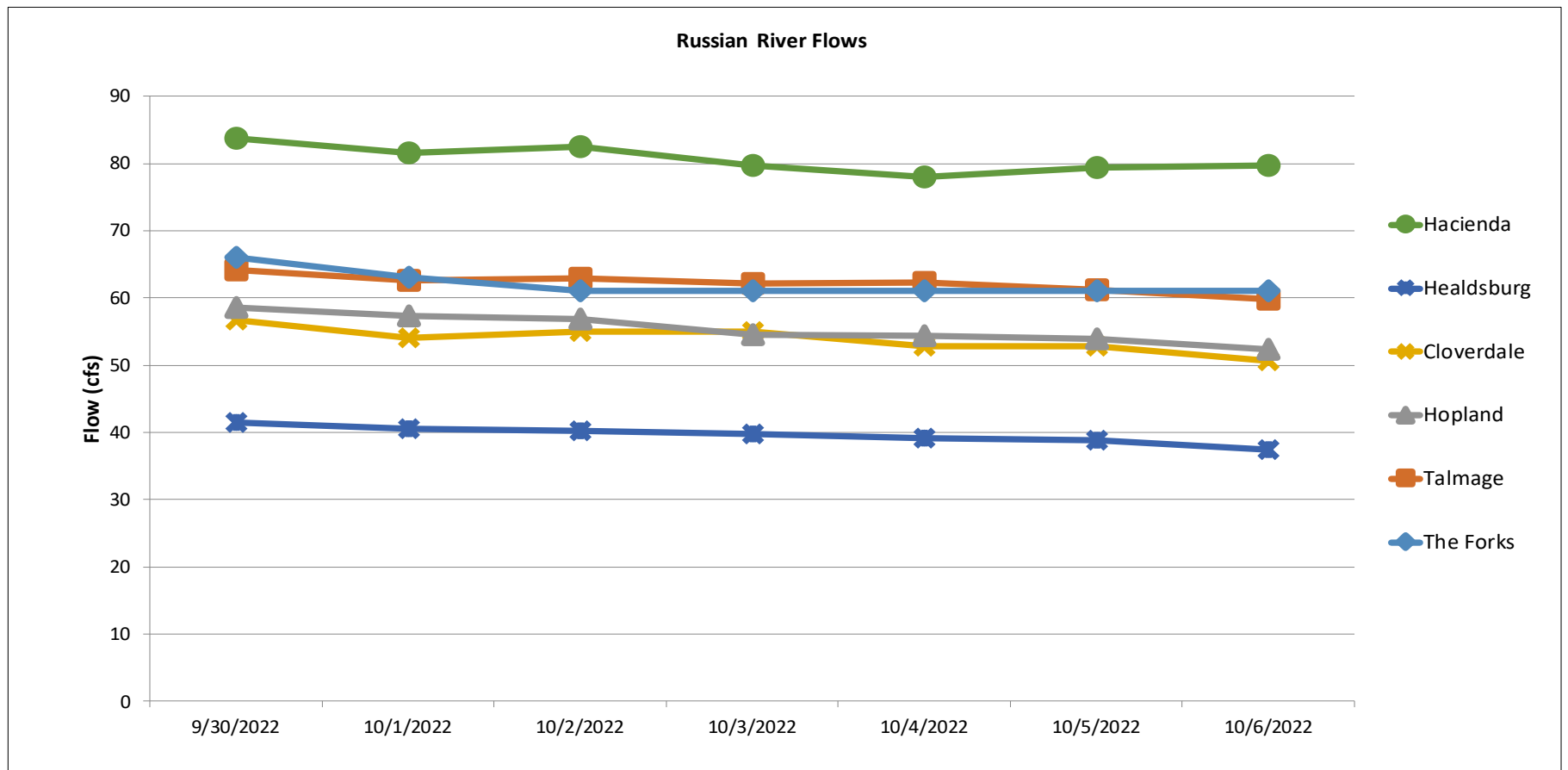


Storage (acre-feet)	October 6, 2022	<b>109,249</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-6,903</b>	<b>-230</b>
	Last 7 days	<b>-1,276</b>	<b>-182</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>0</b>
		Max	<b>0</b>
		Mean	<b>0</b>
Release (cfs)	Last 7 days	Min	<b>93</b>
		Max	<b>96</b>
		Mean	<b>94</b>

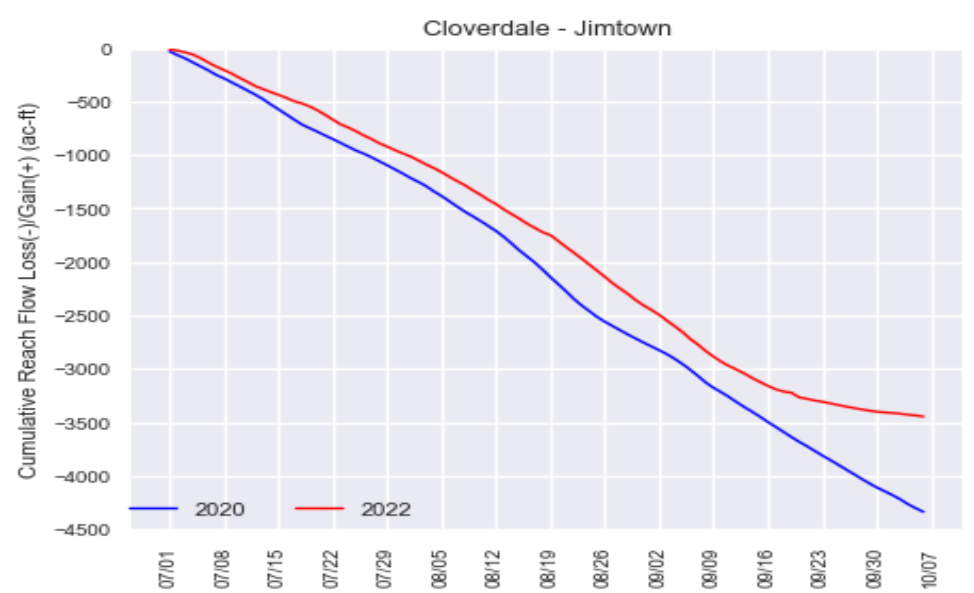
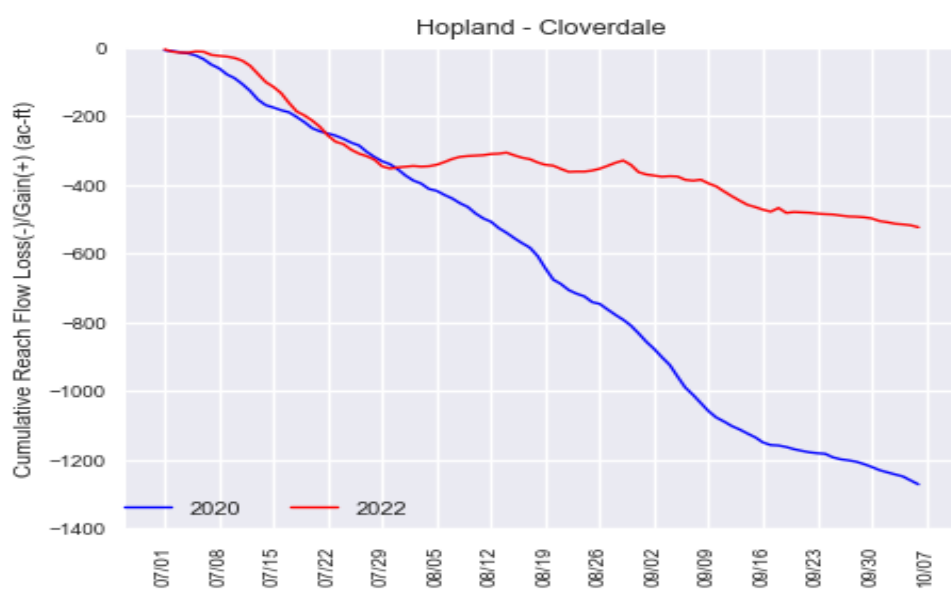
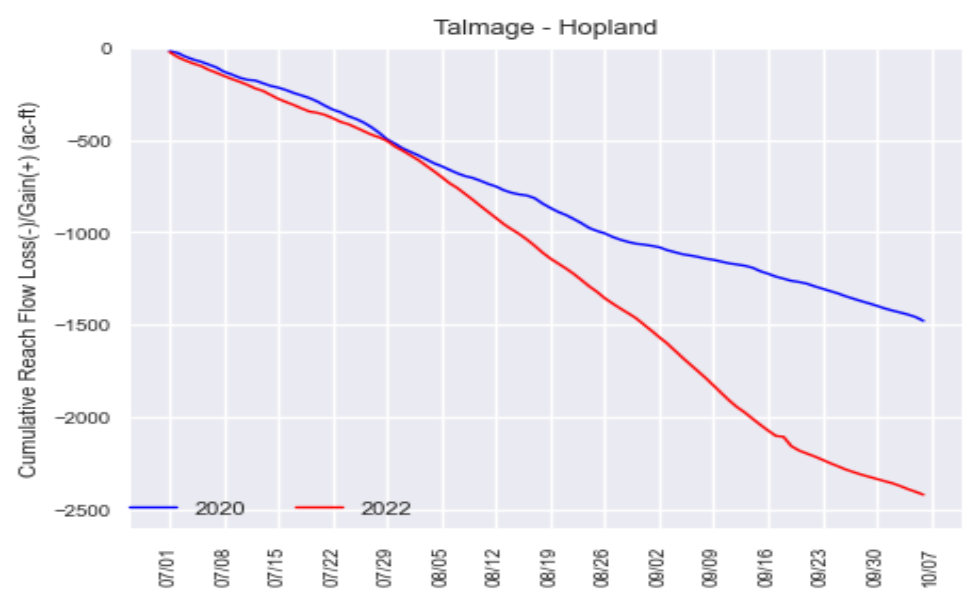
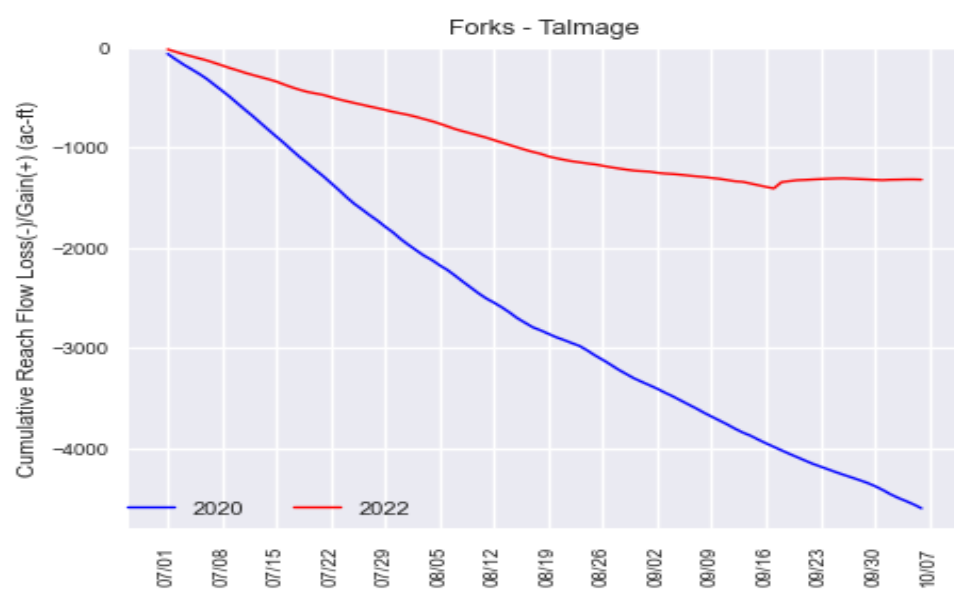


Gage	24-hr Average Flow (cfs)						
	Sep 30, 2022	Oct 1, 2022	Oct 2, 2022	Oct 3, 2022	Oct 4, 2022	Oct 5, 2022	Oct 6, 2022
The Forks*	66	63	61	61	61	61	61
Talmage USGS 11462080	64	63	63	62	62	61	60
Hopland USGS 11462500	59	57	57	55	54	54	52
Cloverdale USGS 11463000	57	54	55	55	53	53	51
Healdsburg USGS 11464000	41	41	40	40	39	39	37
Hacienda USGS 11467000	84	81	83	80	78	79	80

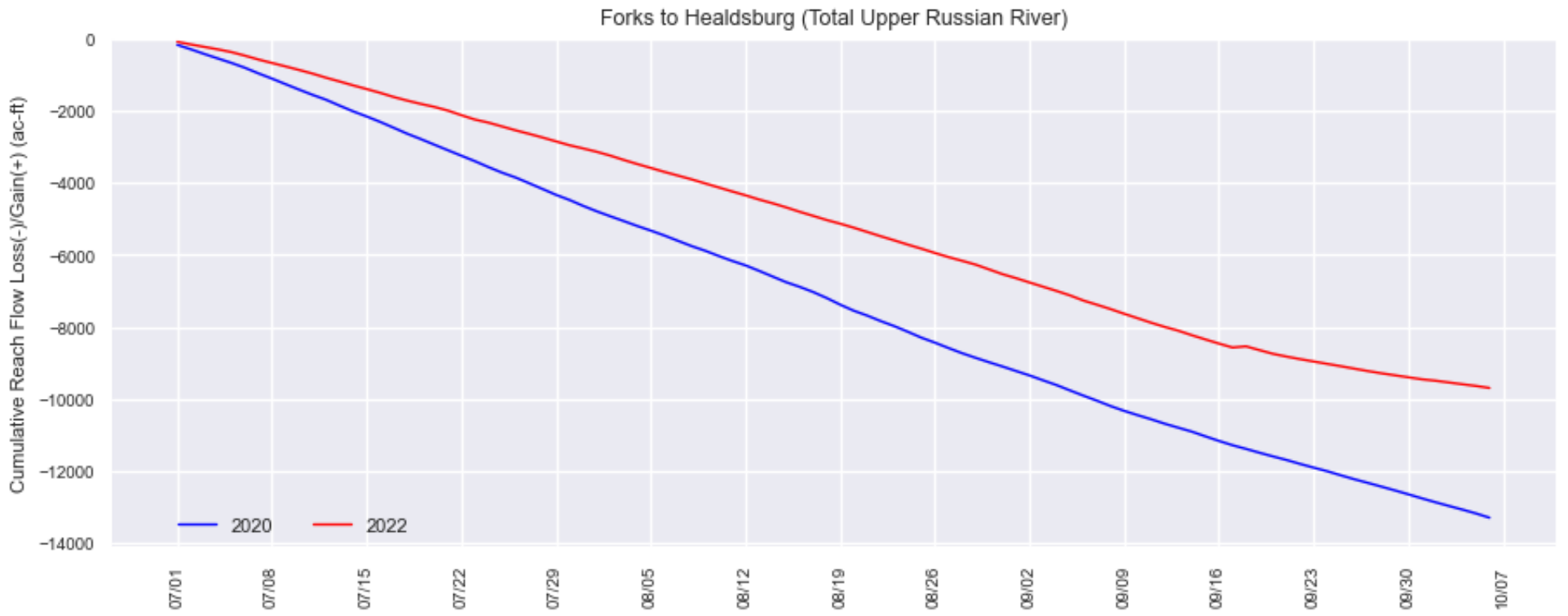
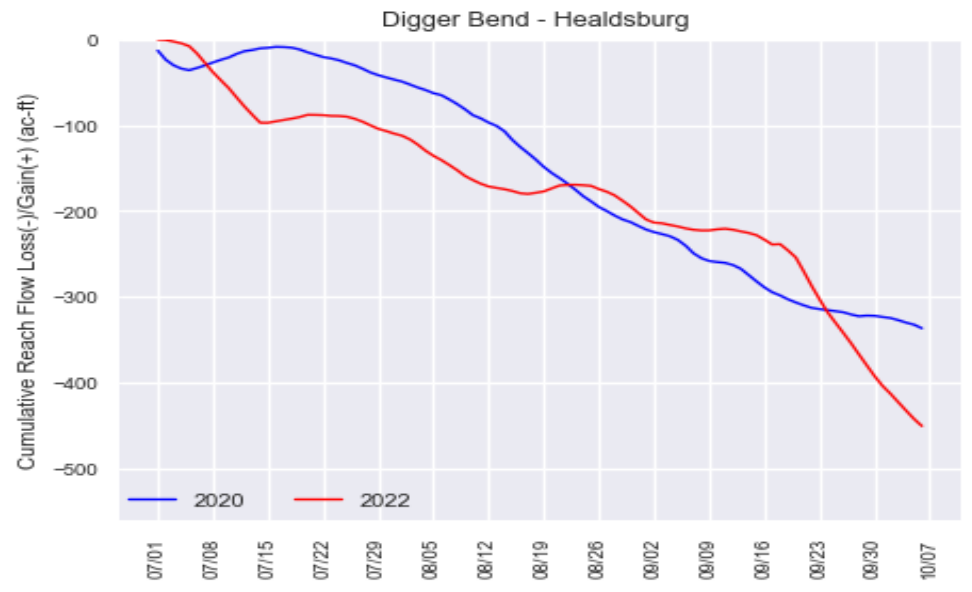
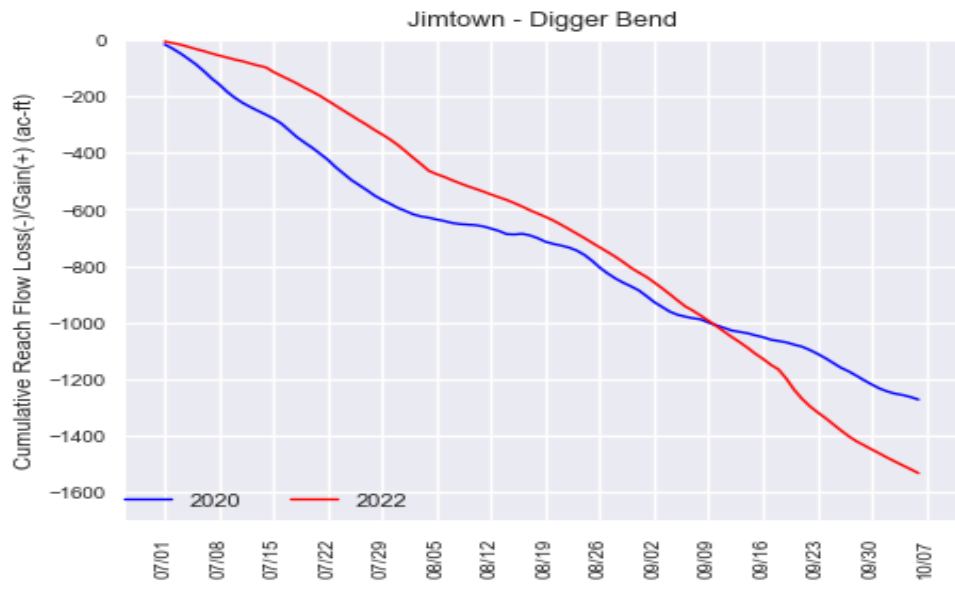
\*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



### Upper Russian River Flow Gain/Loss (July 1, 2022 - October 06, 2022)



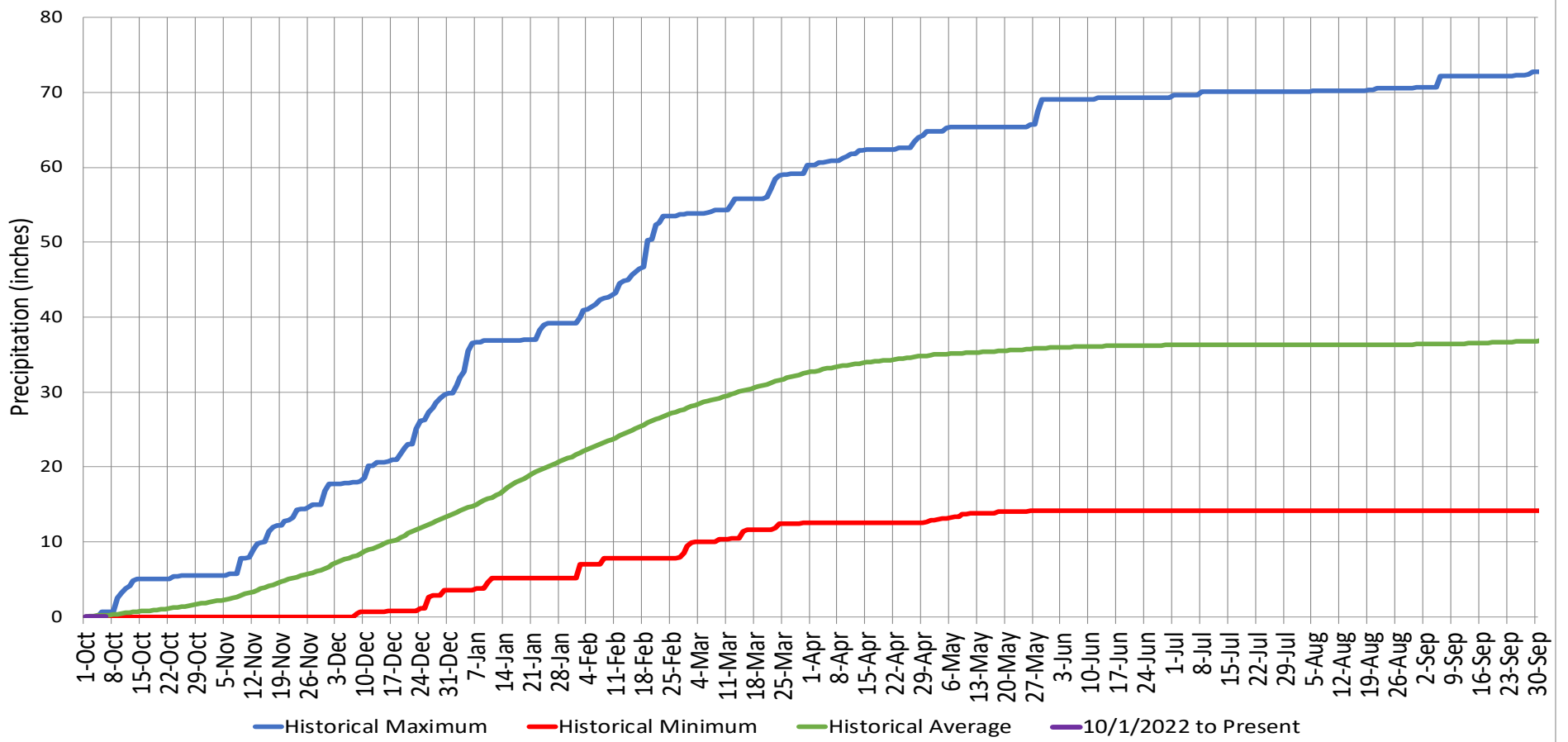
# Upper Russian River Flow Gain/Loss (July 1, 2022 - October 06, 2022)



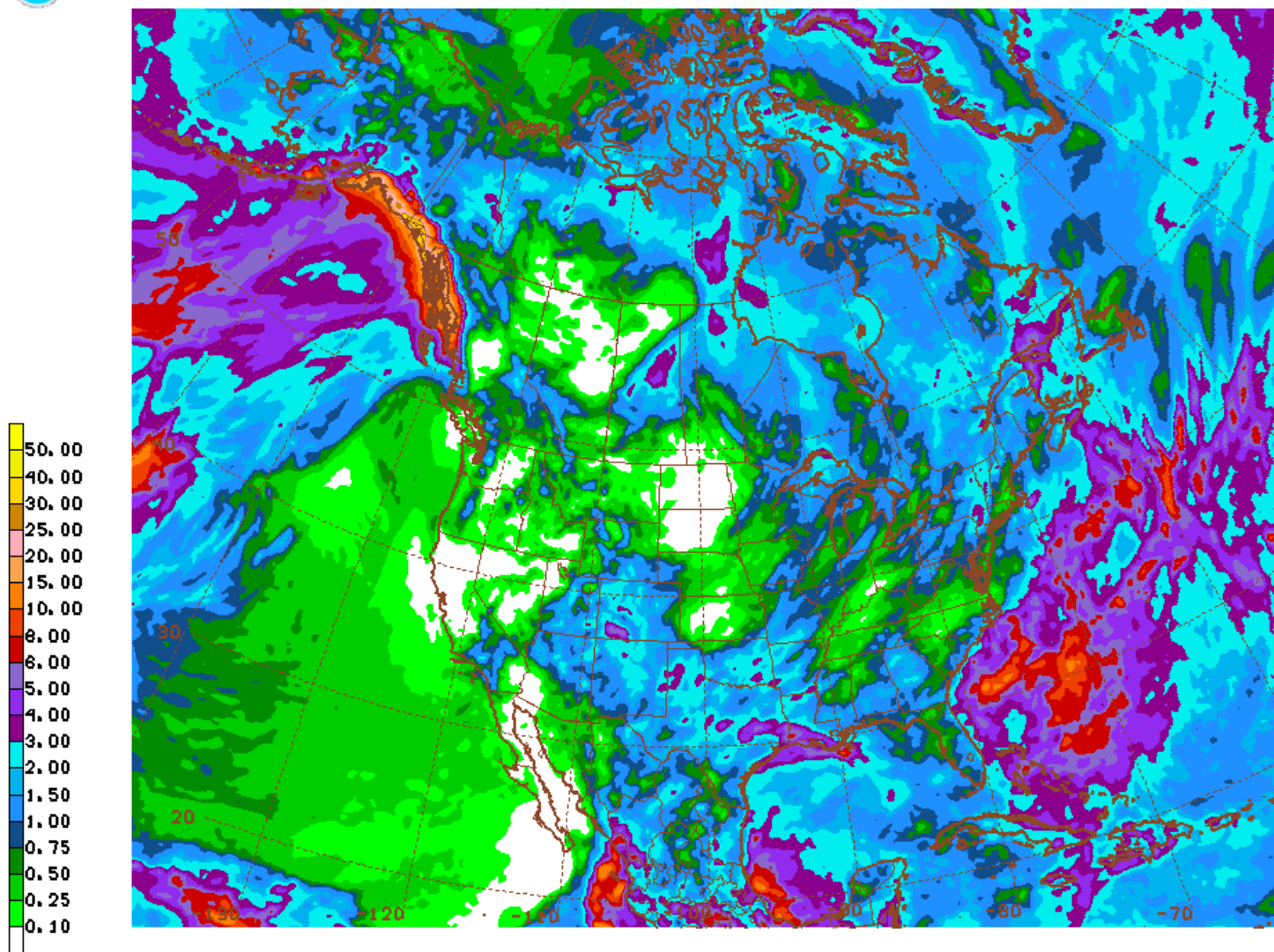
### Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Oct 6, 2022	<b>0</b>
Last 7 Days*	<b>0.00</b>

Cumulative Precipitation Comparison of Current Year versus Historic Record



GFS 10/10/22 12UTC 384HR FCST VALID WED 10/26/22 12UTC NOAA/NWS/NCEP



GFS WED 221026/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Oct 10 - Oct 26, 2022	<b>0.00</b>

## Russian River Fisheries Monitoring

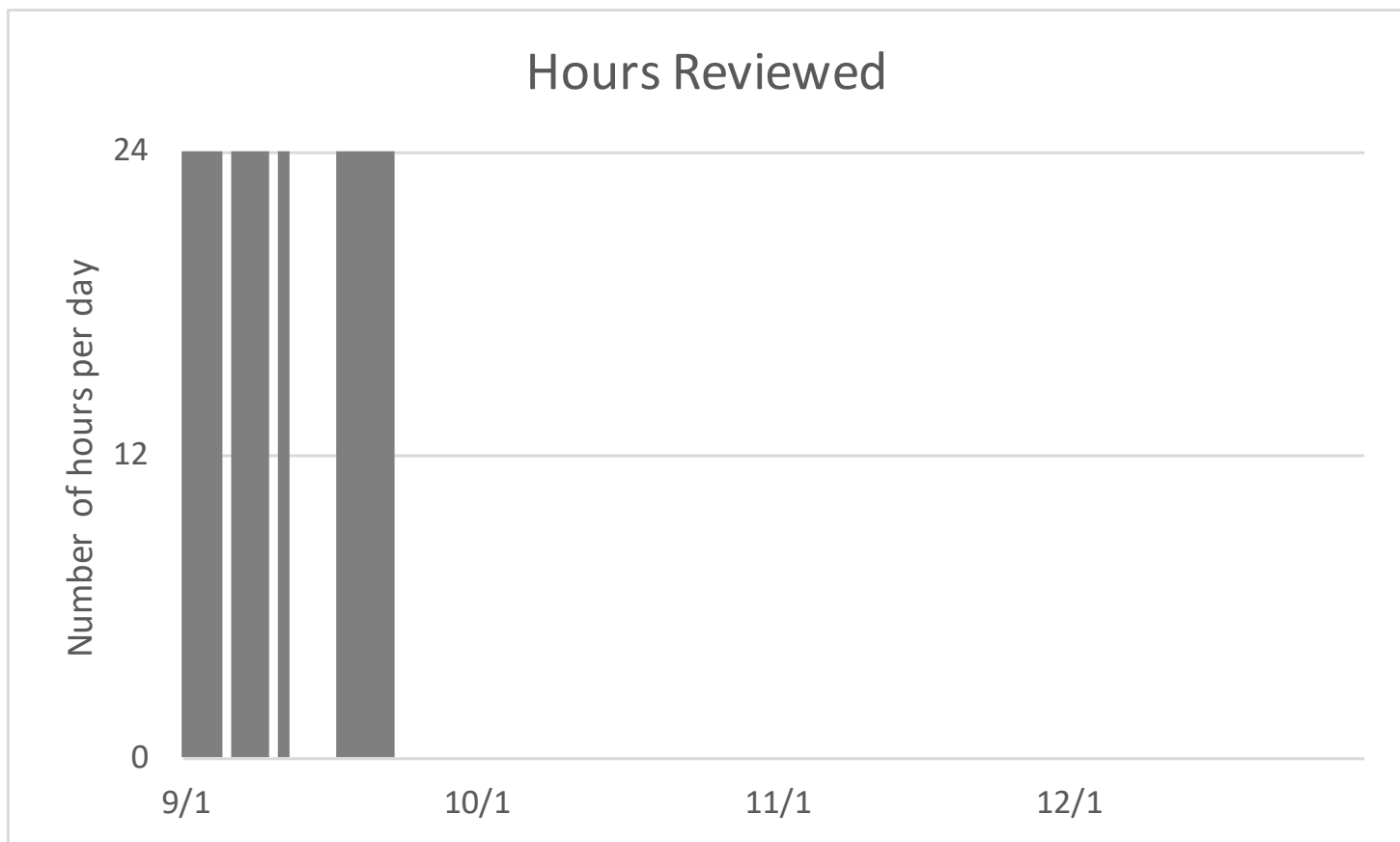


Figure 1. The number of hours of video collected at the Mirabel dam on the Russian River that has been reviewed in 2022.

Species	Number of fish
Chinook	0
Coho	0
Steelhead	0

Table 1. The number of adult salmonids that have been observed on the Mirabel dam video camera in 2022.