



**State Water Resources Control Board  
 Temporary Urgency Change Order (6/17/2022)  
 Russian River Hydrologic Report  
 September 2, 2022 - September 8, 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).

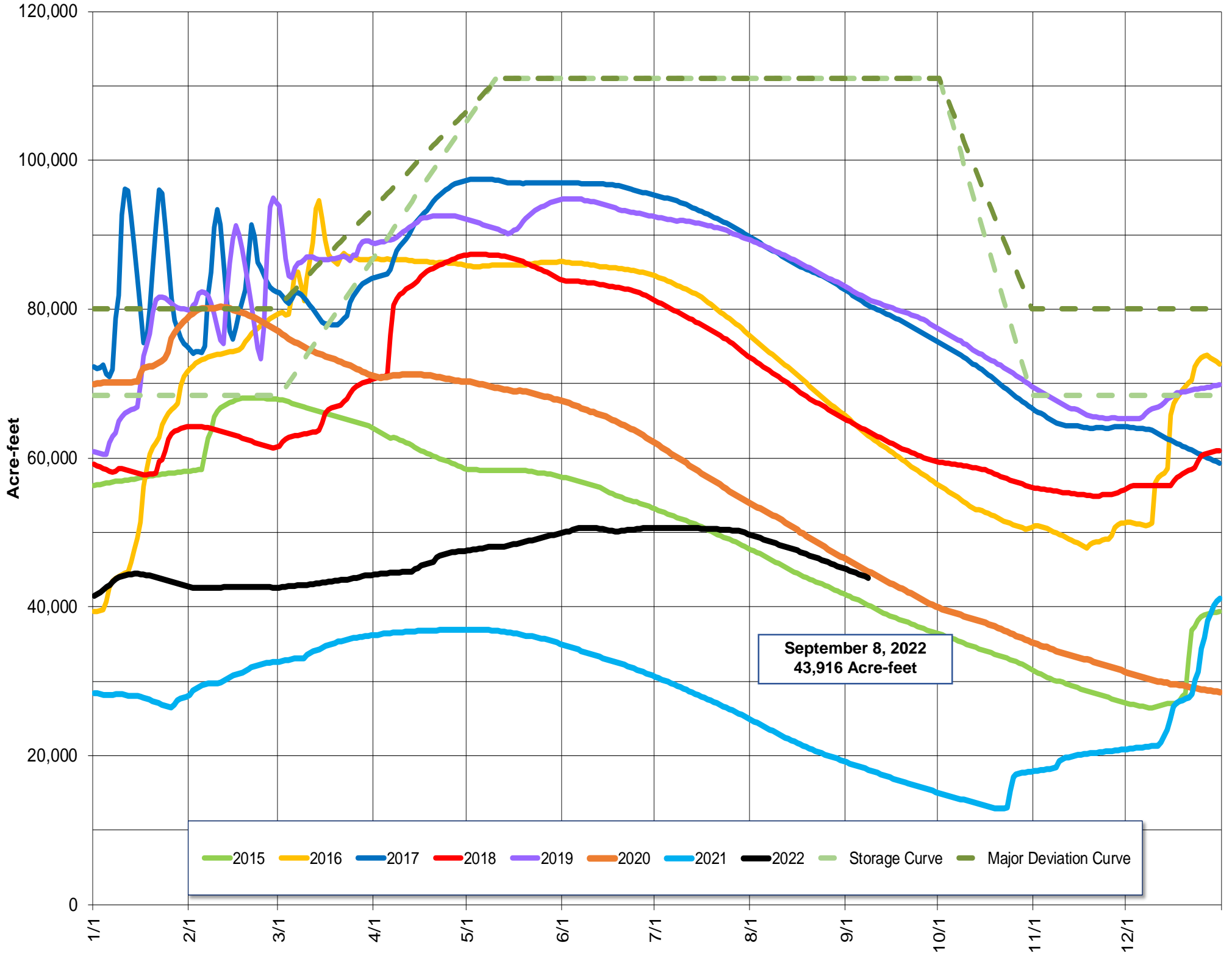
**Instream Flow Requirements as of September 8, 2022**

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**



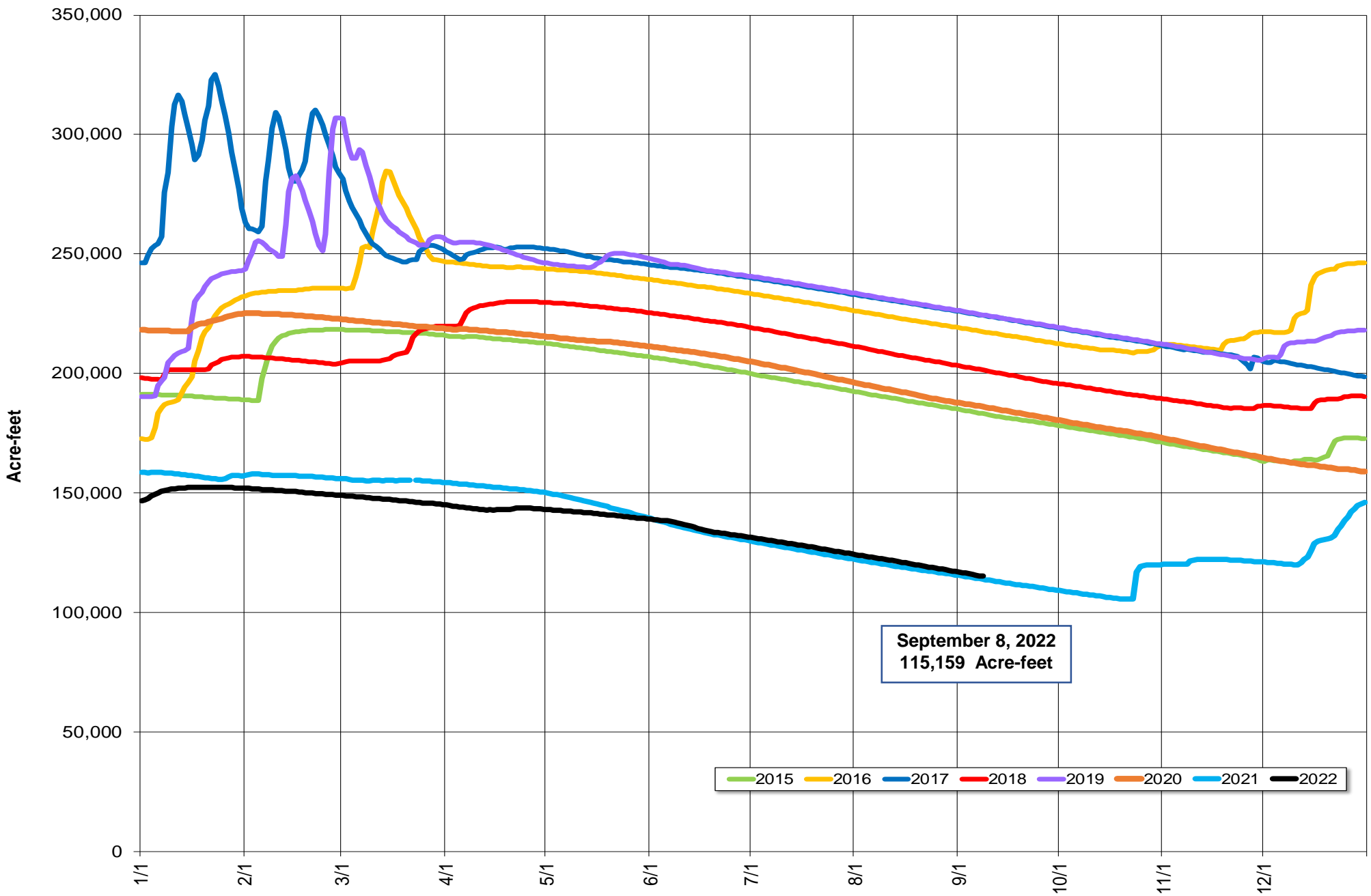
Storage (acre-feet)	September 8, 2022	<b>43,916</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-4,582</b>	<b>-153</b>
	Last 7 days	<b>-934</b>	<b>-133</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>9</b>
		Max	<b>32</b>
		Mean	<b>23</b>
Release (cfs)	Last 7 days	Min	<b>89</b>
		Max	<b>89</b>
		Mean	<b>89</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

## Lake Sonoma Storage 2015-2022



Storage (acre-feet)	September 8, 2022	<b>115,159</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-7,351</b>	<b>-245</b>
	Last 7 days	<b>-1,547</b>	<b>-221</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>106</b>
		Max	<b>216</b>
		Mean	<b>107</b>

# Potter Valley Project

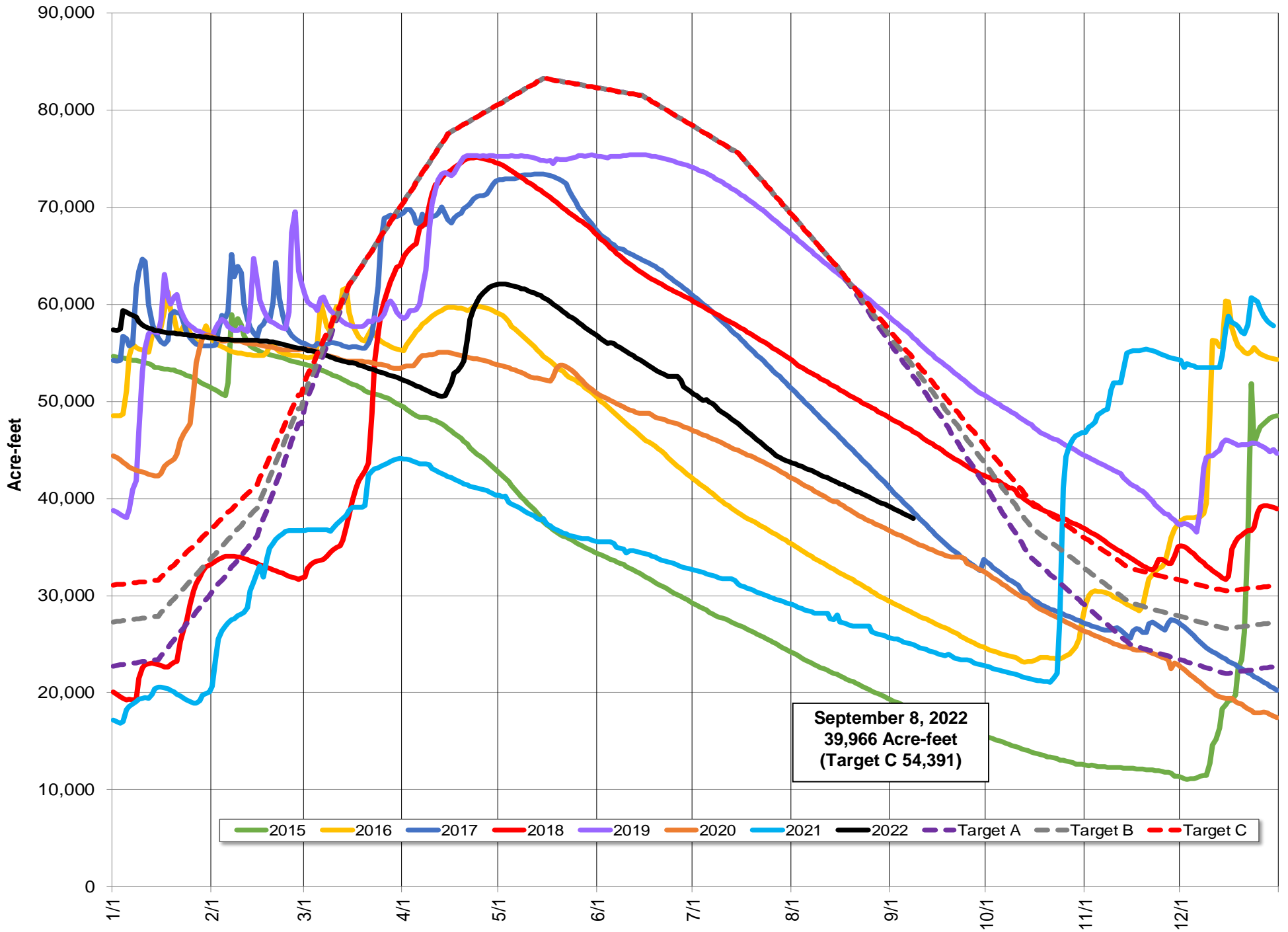
PVP Diversion (cfs)	September 8, 2022	55
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - September 8, 2022	228,959	669
	Last 7 days	212	30

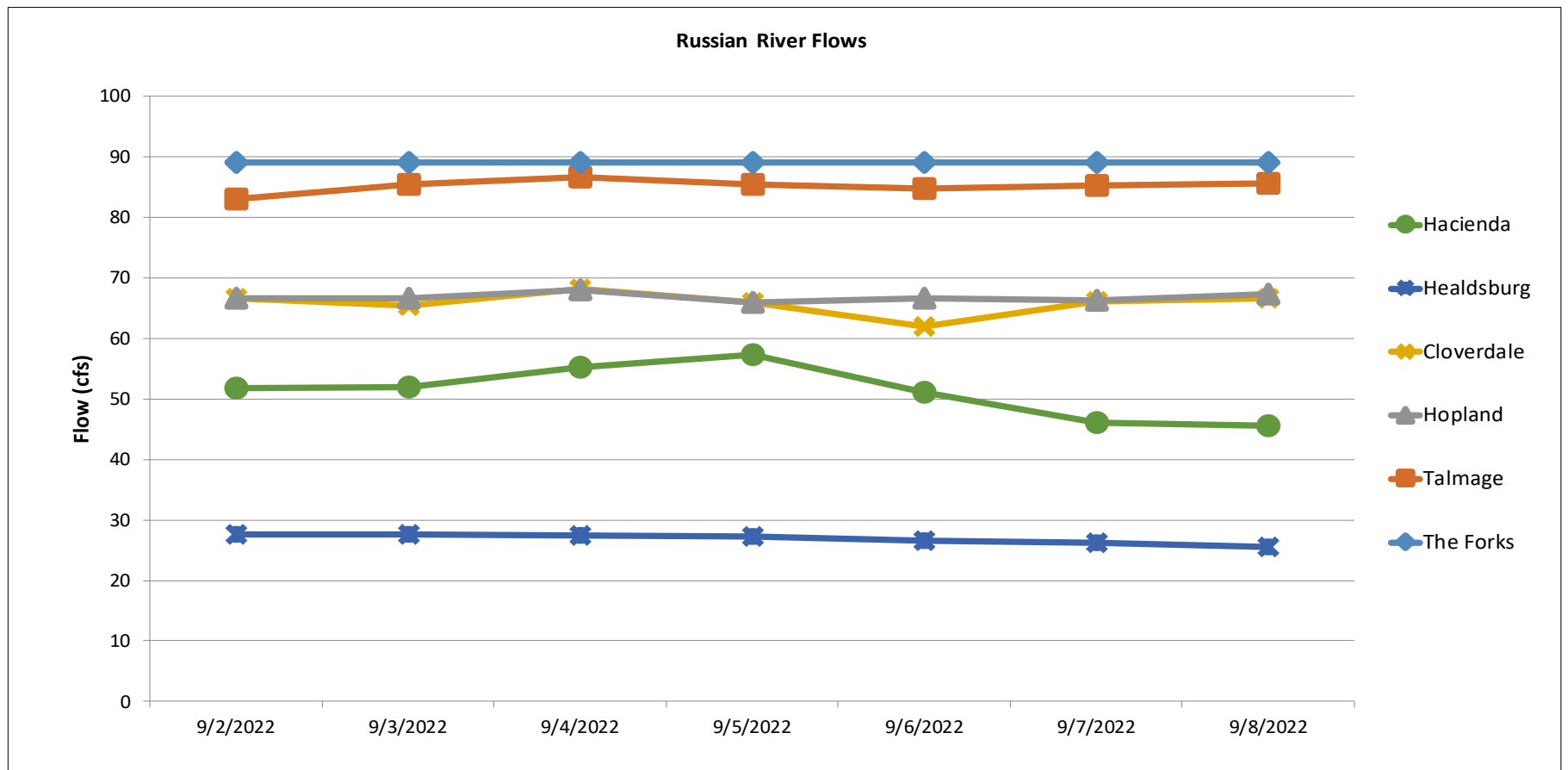
\*Inflow calculation based on criteria established in D1610

### Lake Pillsbury Storage 2015-2022 and Target Storage Scenarios

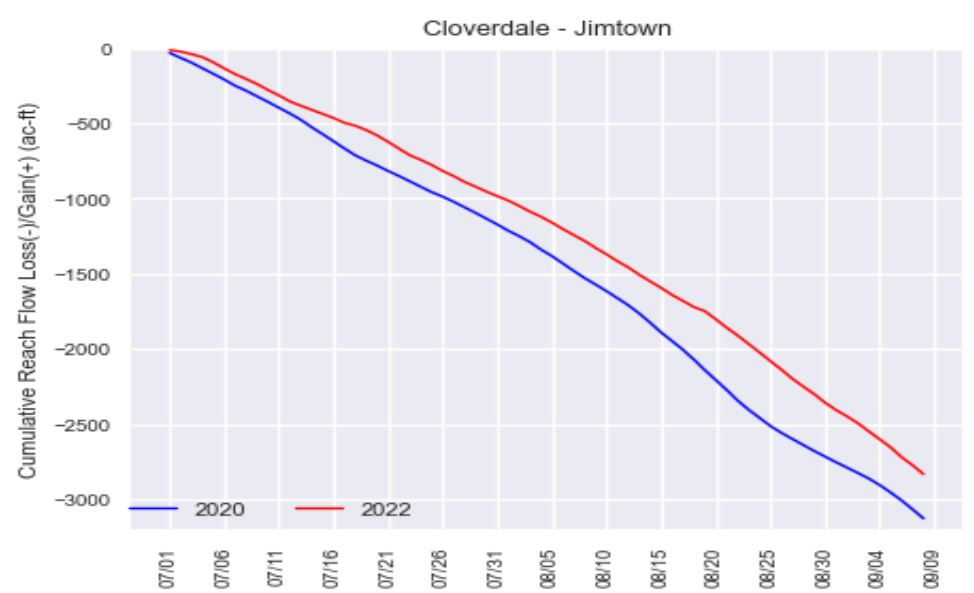
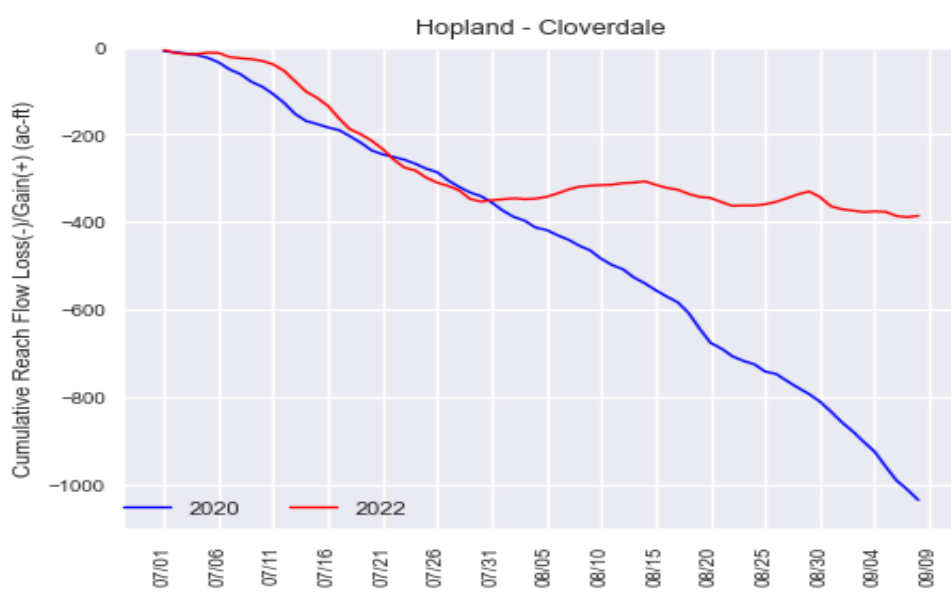
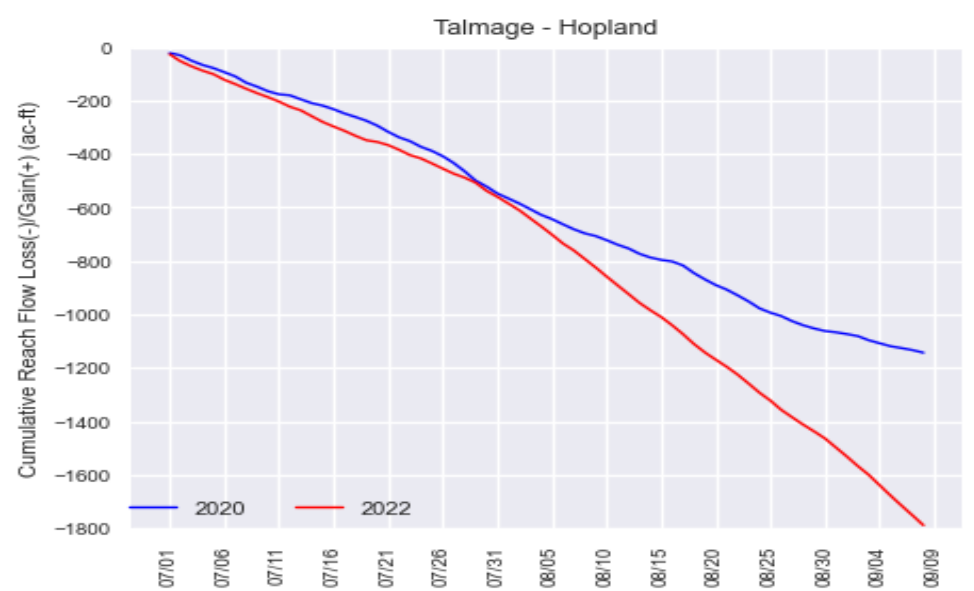
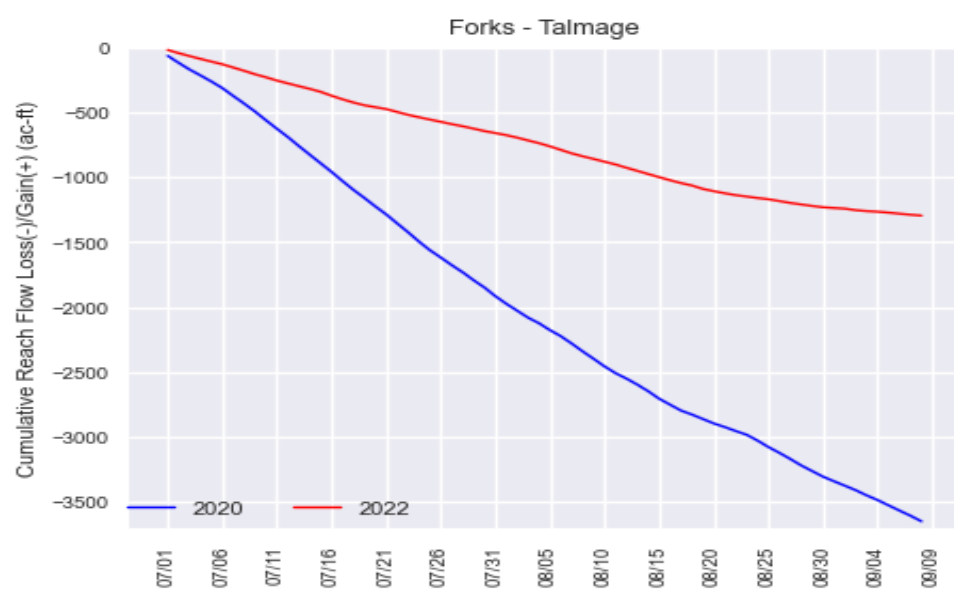


Gage	24-hr Average Flow (cfs)						
	Sep 2, 2022	Sep 3, 2022	Sep 4, 2022	Sep 5, 2022	Sep 6, 2022	Sep 7, 2022	Sep 8, 2022
The Forks*	89	89	89	89	89	89	89
Talmage USGS 11462080	83	85	87	85	85	85	86
Hopland USGS 11462500	67	67	68	66	67	66	67
Cloverdale USGS 11463000	67	65	68	66	62	66	67
Healdsburg USGS 11464000	28	28	27	27	27	26	26
Hacienda USGS 11467000	52	52	55	57	51	46	46

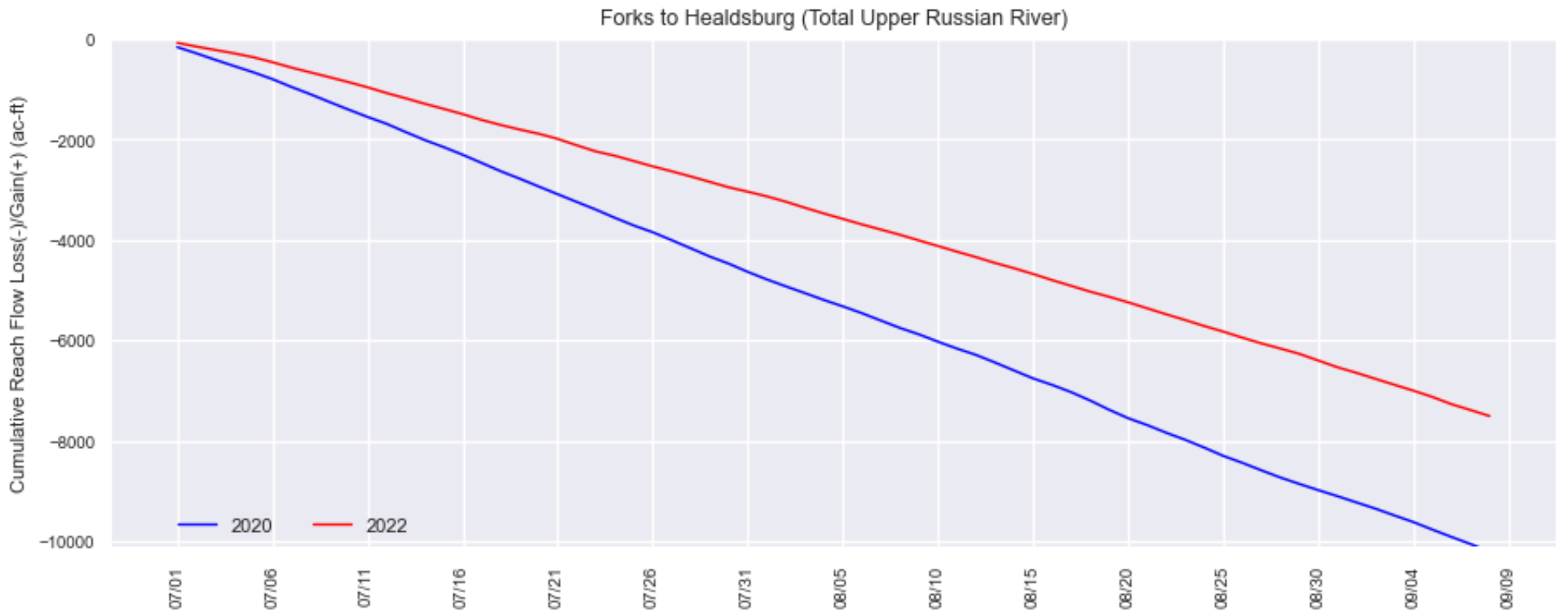
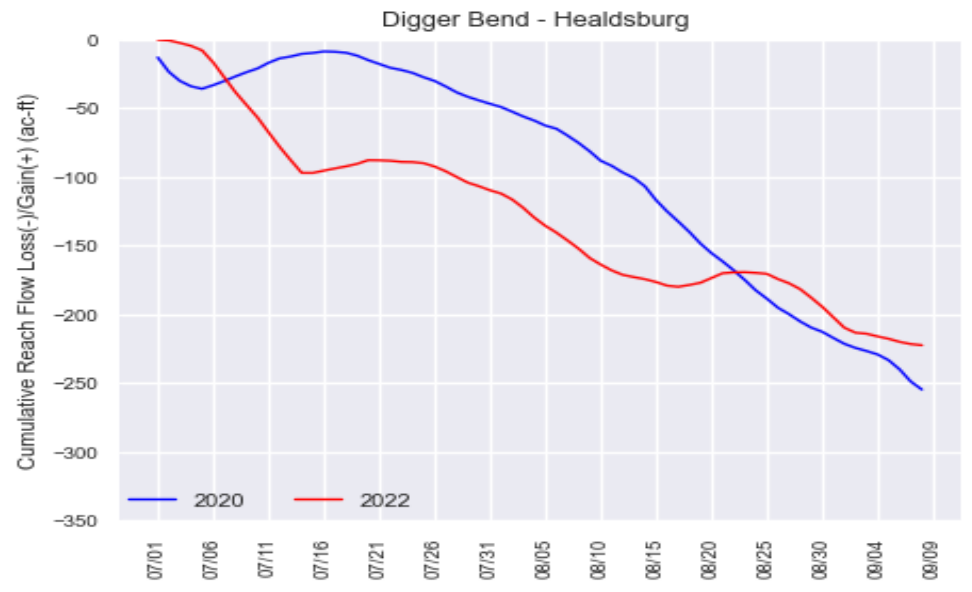
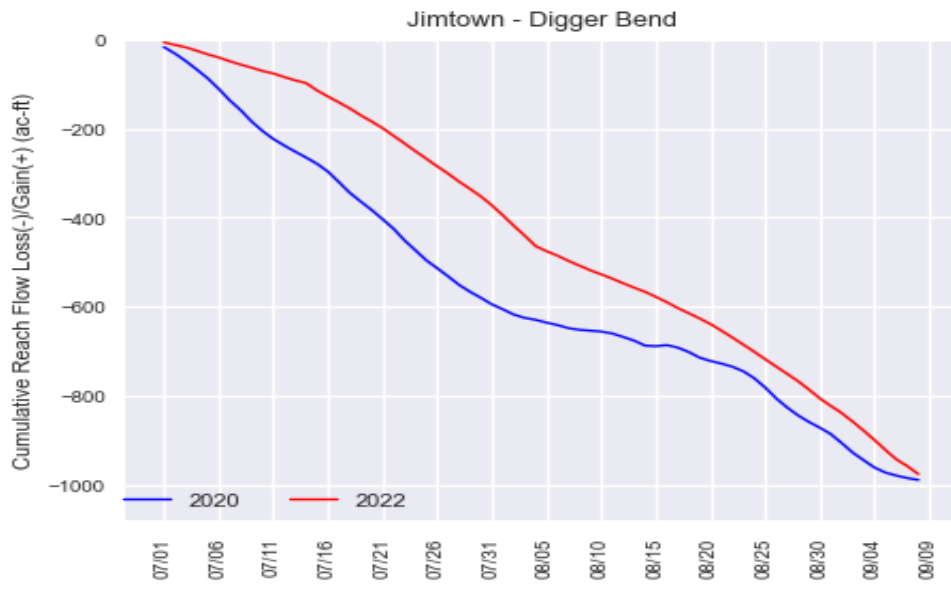
\*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



### Upper Russian River Flow Gain/Loss (July 1, 2022 - September 08, 2022)



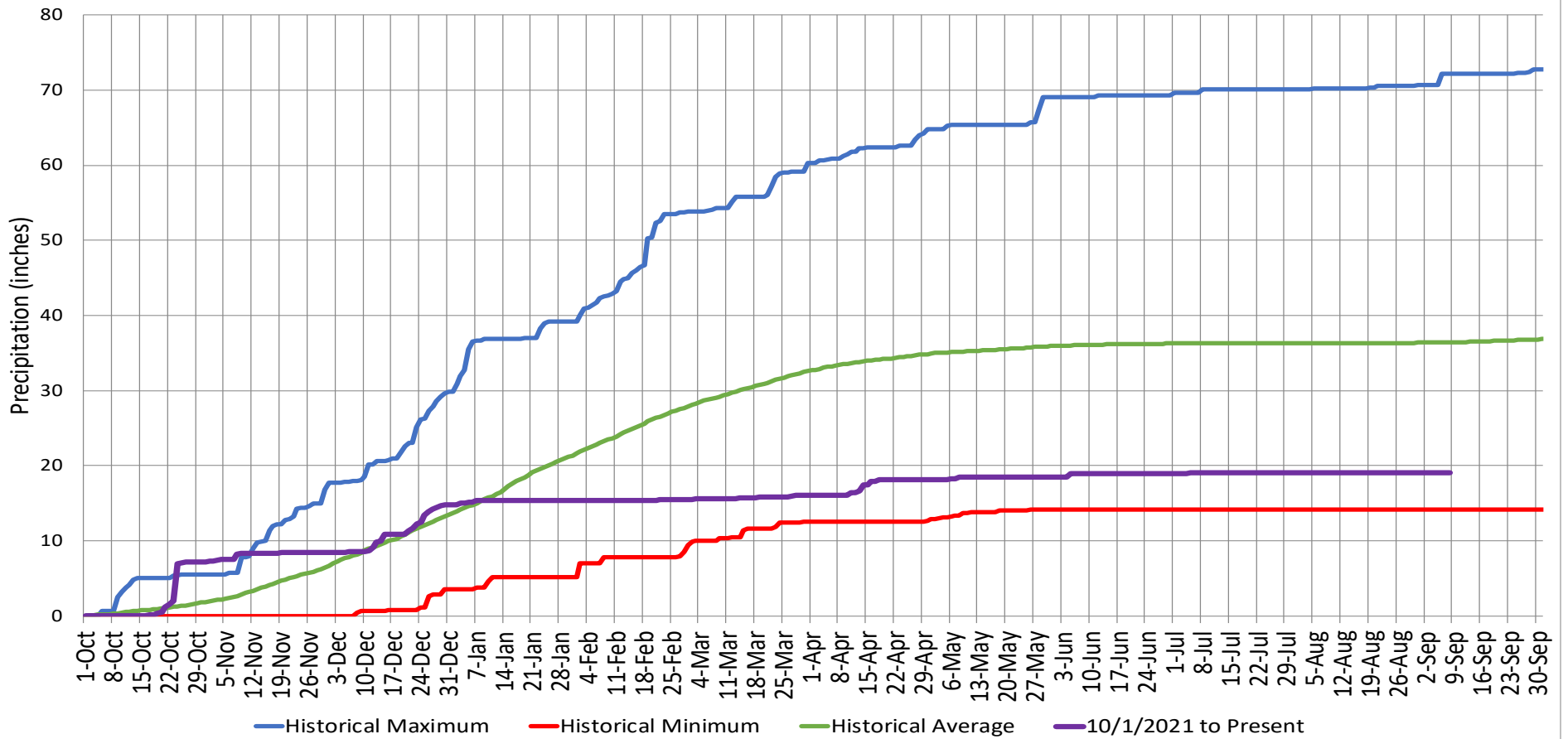
# Upper Russian River Flow Gain/Loss (July 1, 2022 - September 08, 2022)



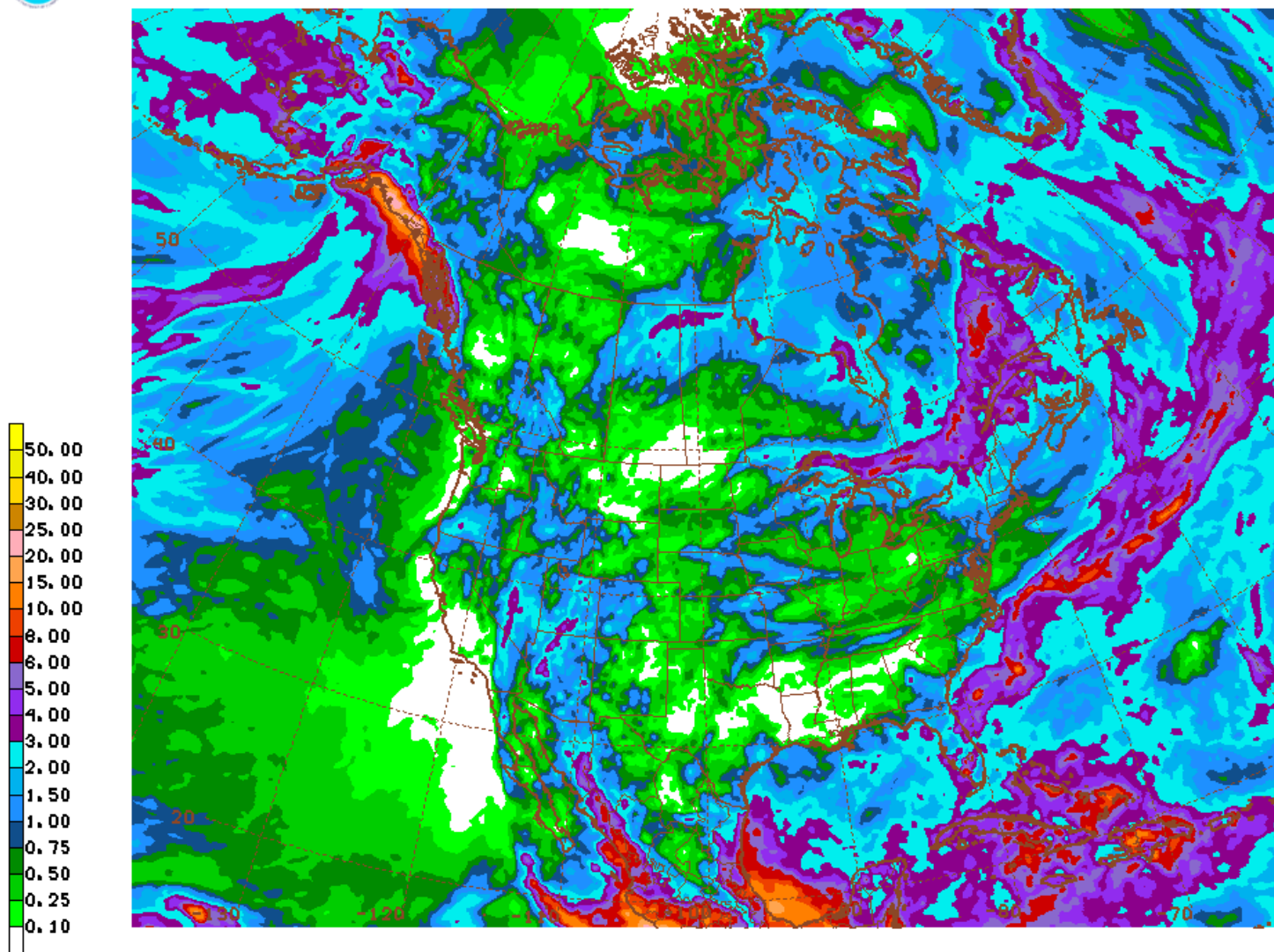
### Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Sep 8, 2022	<b>19.03</b>
Last 7 Days*	<b>0.00</b>

Cumulative Precipitation Comparison of Current Year versus Historic Record



GFS 09/12/22 12UTC 384HR FCST VALID WED 09/28/22 12UTC NOAA/NWS/NCEP



GFS WED 220928/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Sep 12 - Sep 28, 2022	<b>0.15</b>

## Russian River Fisheries Monitoring



Sonoma Water installed the video camera at the Mirabel fish ladder on September 1, 2022. Video is currently being reviewed. To date no adult salmonids have been observed.