



**State Water Resources Control Board  
 Temporary Urgency Change Order (6/17/2022)  
 Russian River Hydrologic Report  
 September 9, 2022 - September 15, 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).

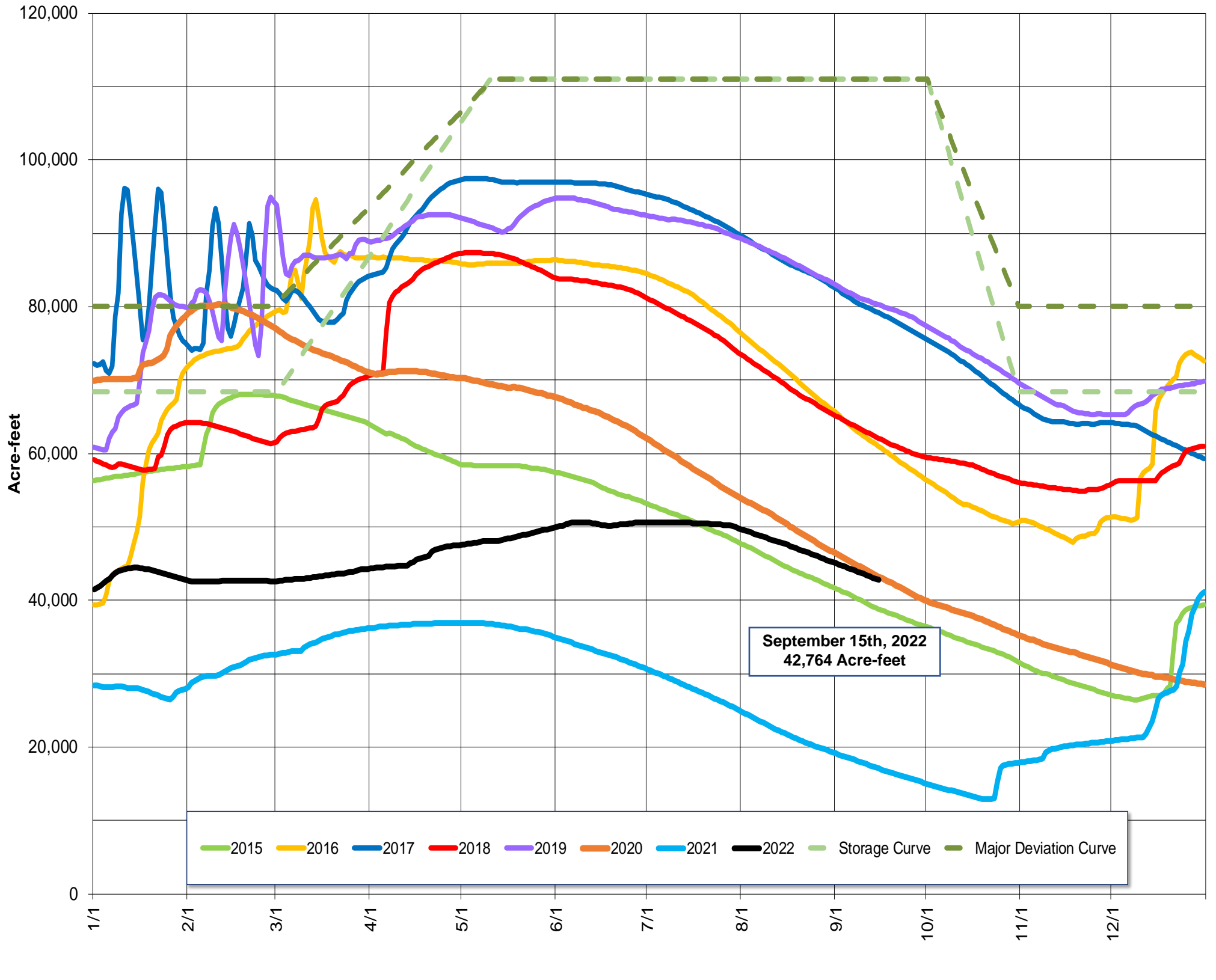
**Instream Flow Requirements as of September 15, 2022**

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**



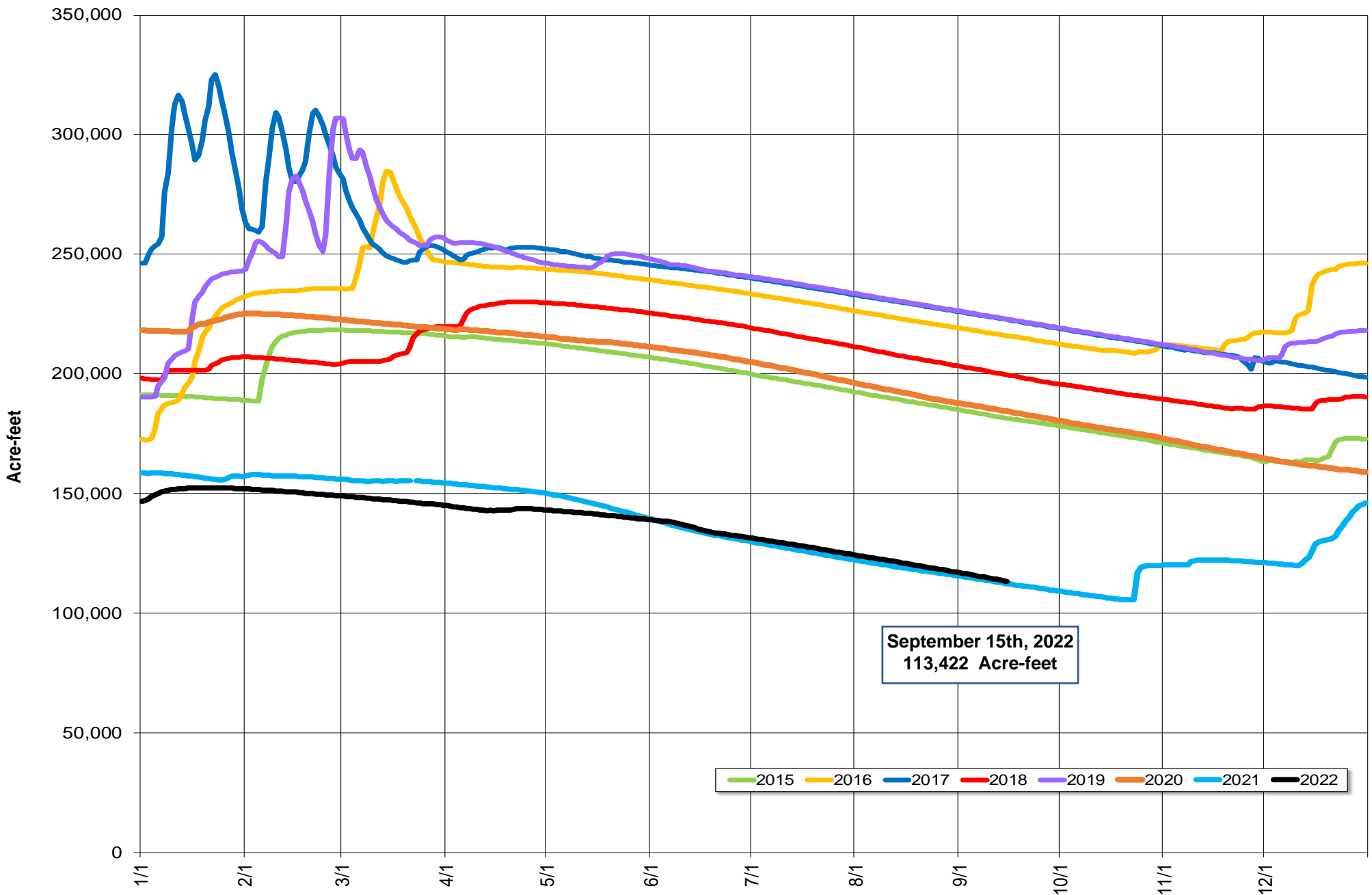
Storage (acre-feet)	September 15, 2022	<b>42,764</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-4,800</b>	<b>-160</b>
	Last 7 days	<b>-981</b>	<b>-140</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>4</b>
		Max	<b>31</b>
		Mean	<b>18</b>
Release (cfs)	Last 7 days	Min	<b>87</b>
		Max	<b>92</b>
		Mean	<b>91</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

## Lake Sonoma Storage 2015-2022



Storage (acre-feet)	September 15, 2022	<b>113,422</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-7,257</b>	<b>-242</b>
	Last 7 days	<b>-1,484</b>	<b>-212</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>0</b>
		Max	<b>41</b>
		Mean	<b>6</b>
Release (cfs)	Last 7 days	Min	<b>101</b>
		Max	<b>108</b>
		Mean	<b>105</b>

# Potter Valley Project

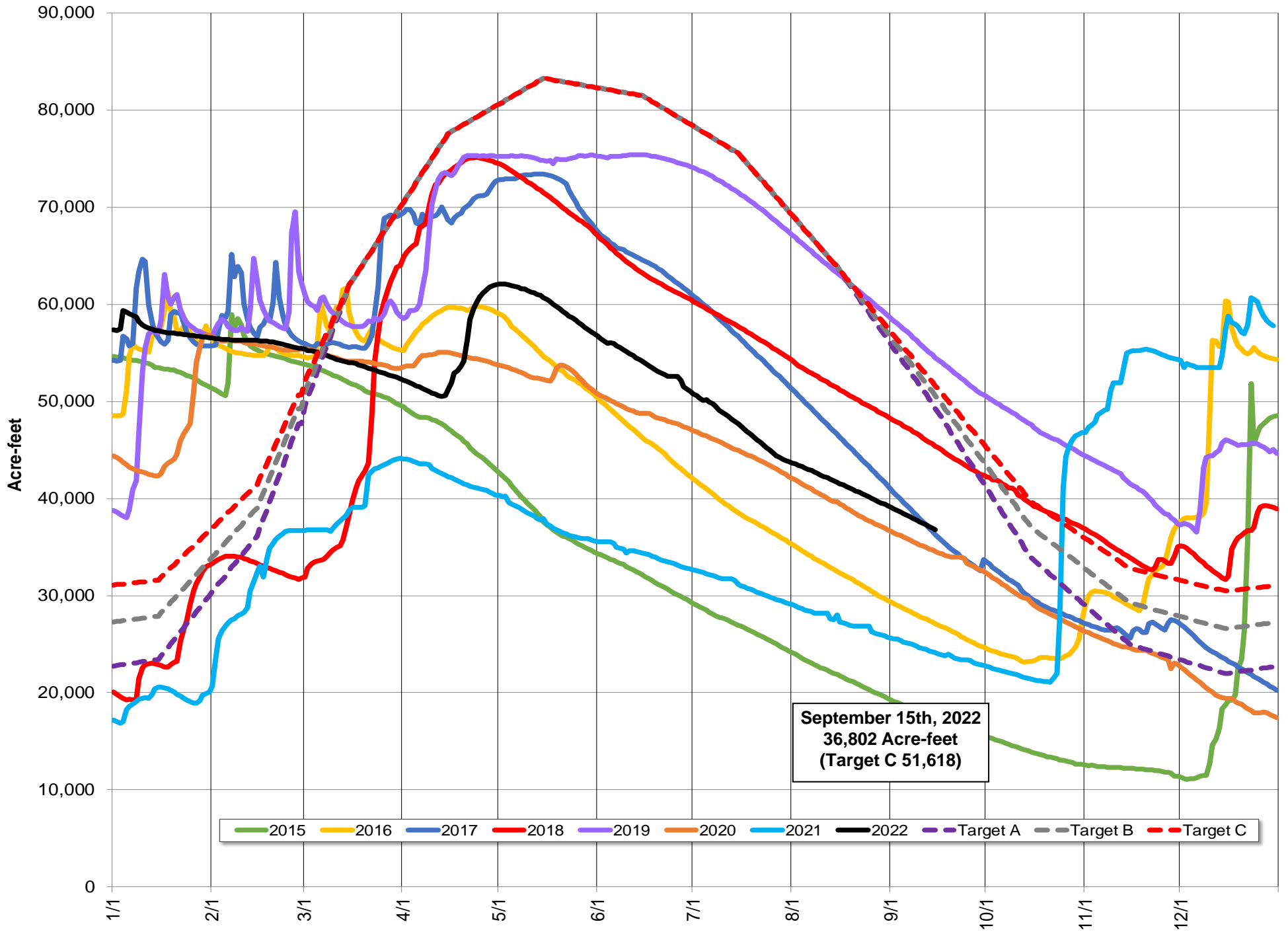
PVP Diversion (cfs)	September 15, 2022	42
---------------------	--------------------	----

## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - September 15, 2022	227,174	651
	Last 7 days	0	0

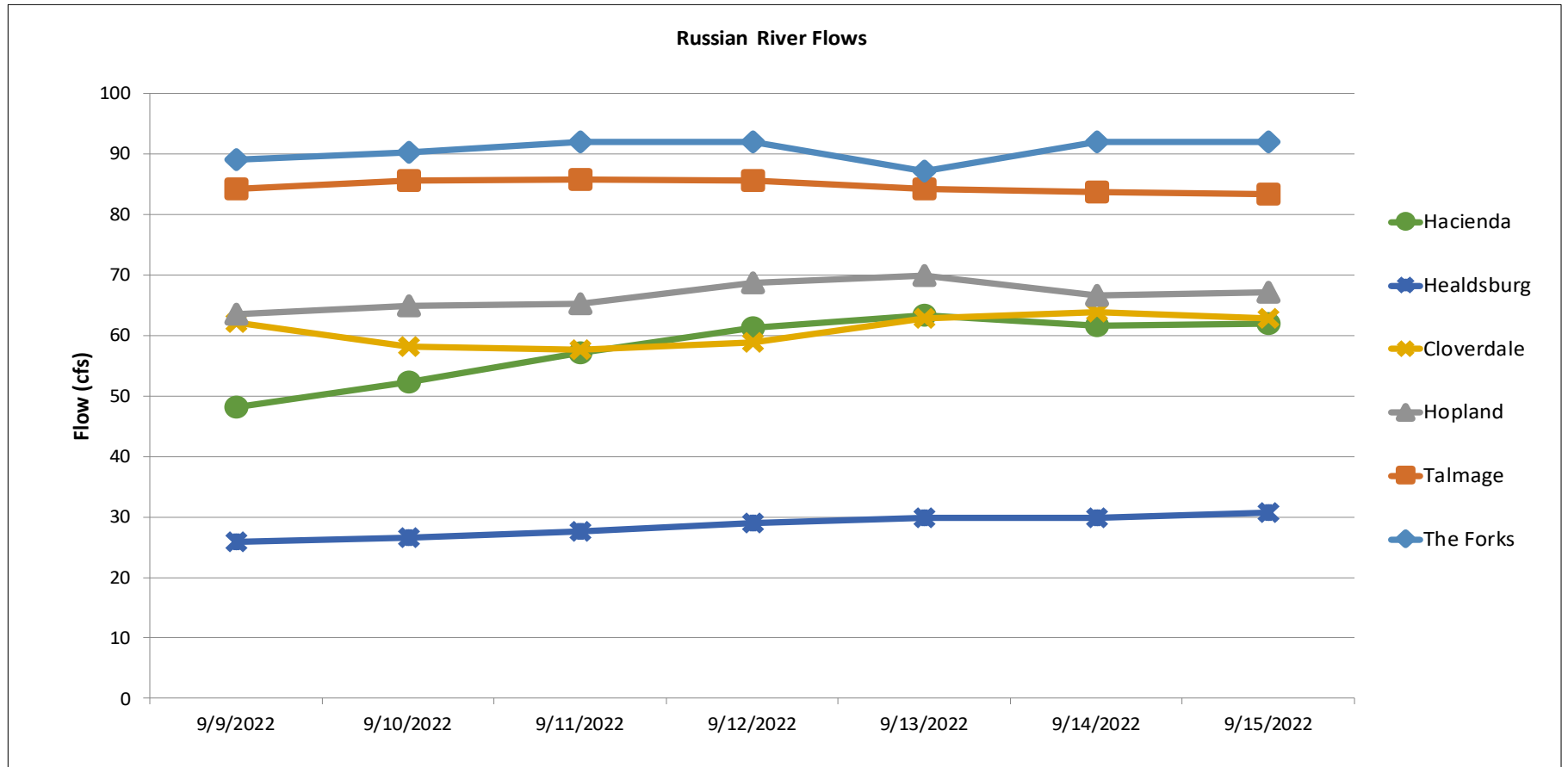
\*Inflow calculation based on criteria established in D1610

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

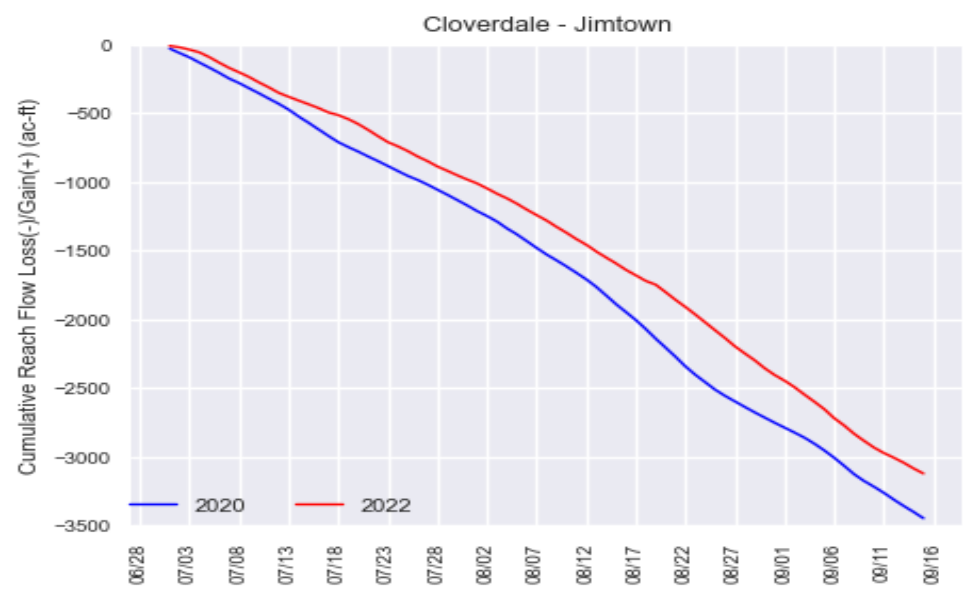
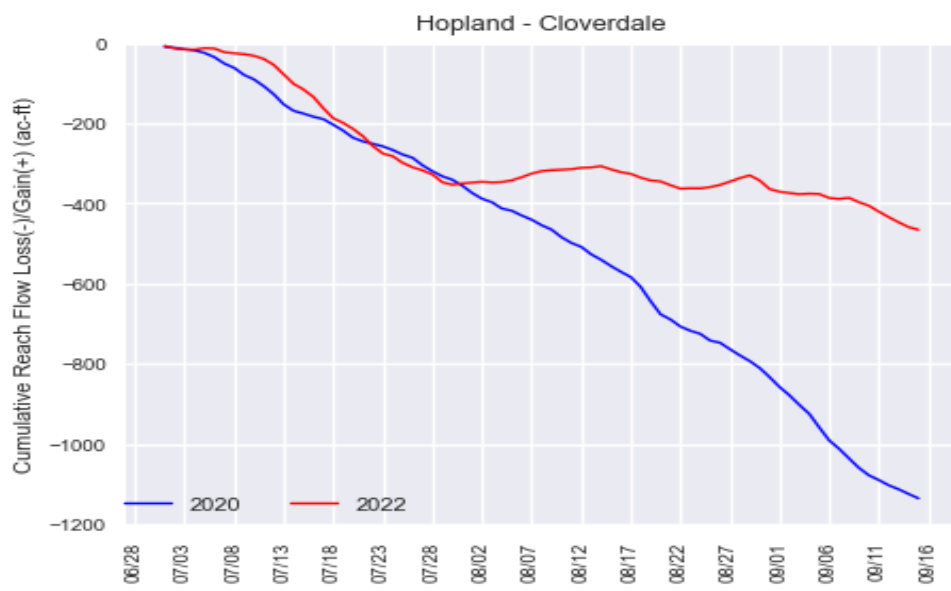
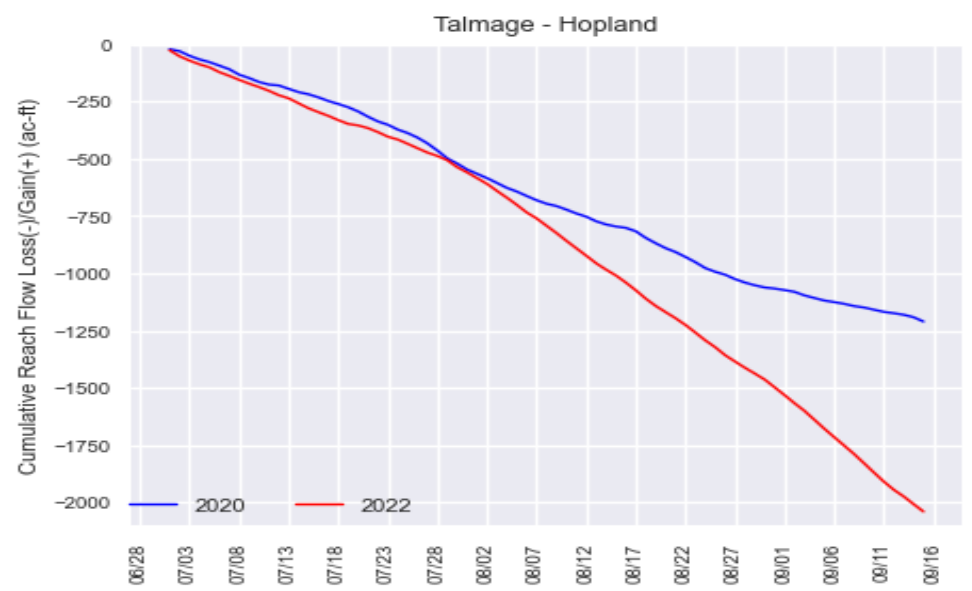
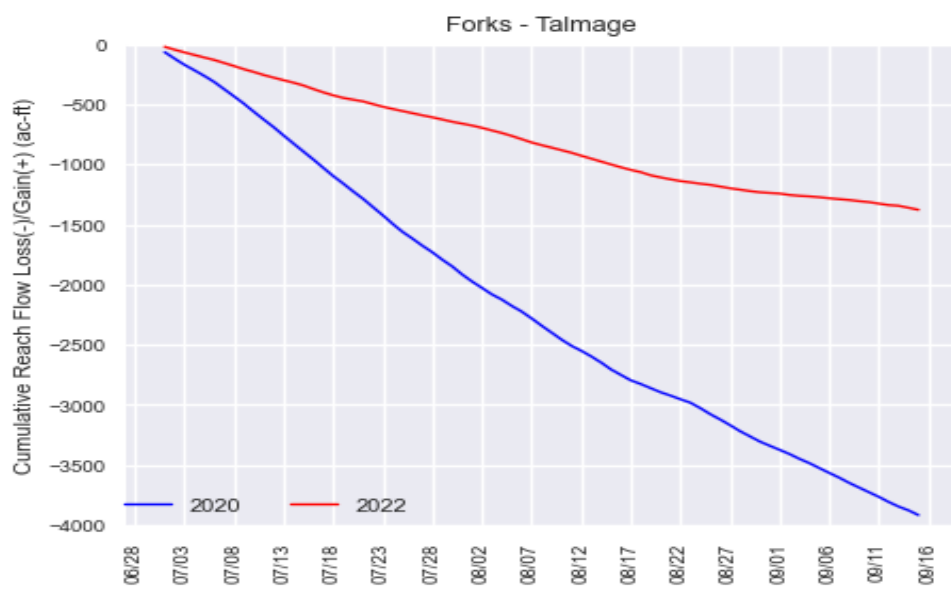


Gage	24-hr Average Flow (cfs)						
	Sep 9, 2022	Sep 10, 2022	Sep 11, 2022	Sep 12, 2022	Sep 13, 2022	Sep 14, 2022	Sep 15, 2022
The Forks*	89	90	92	92	87	92	92
Talmage USGS 11462080	84	86	86	86	84	84	83
Hopland USGS 11462500	64	65	65	69	70	67	67
Cloverdale USGS 11463000	62	58	58	59	63	64	63
Healdsburg USGS 11464000	26	27	28	29	30	30	31
Hacienda USGS 11467000	48	52	57	61	63	62	62

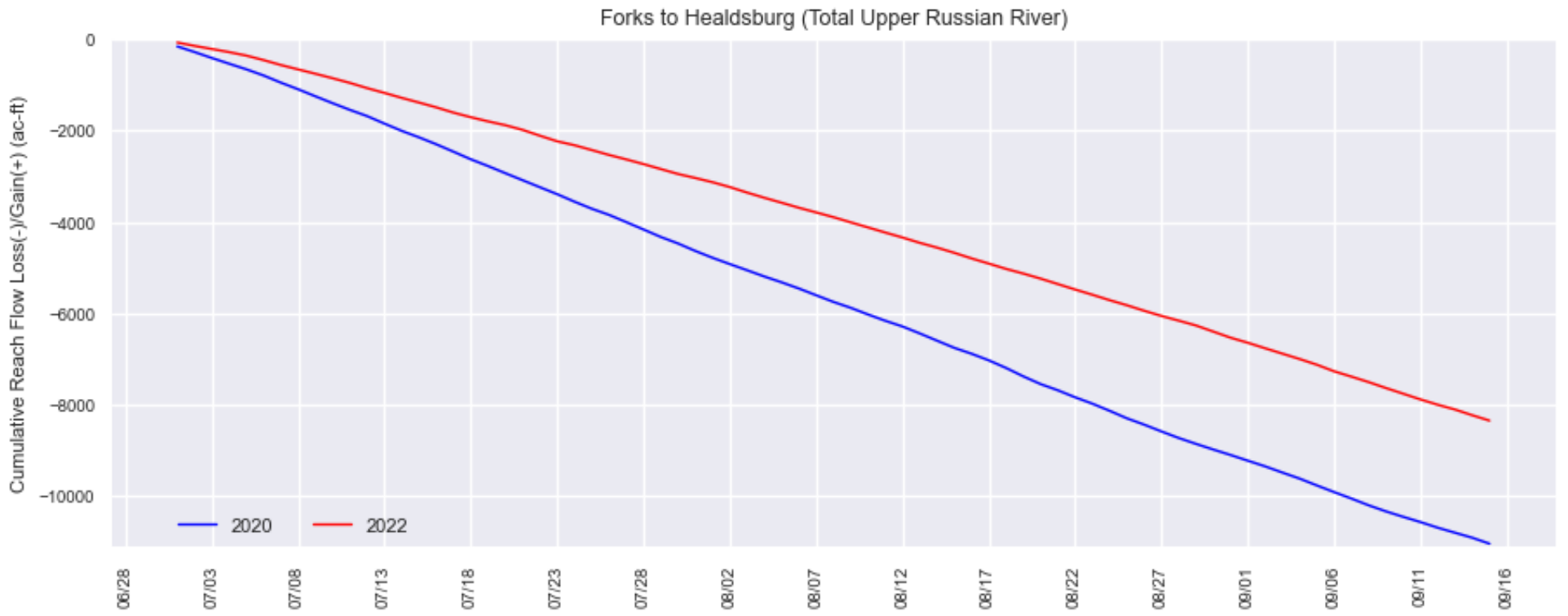
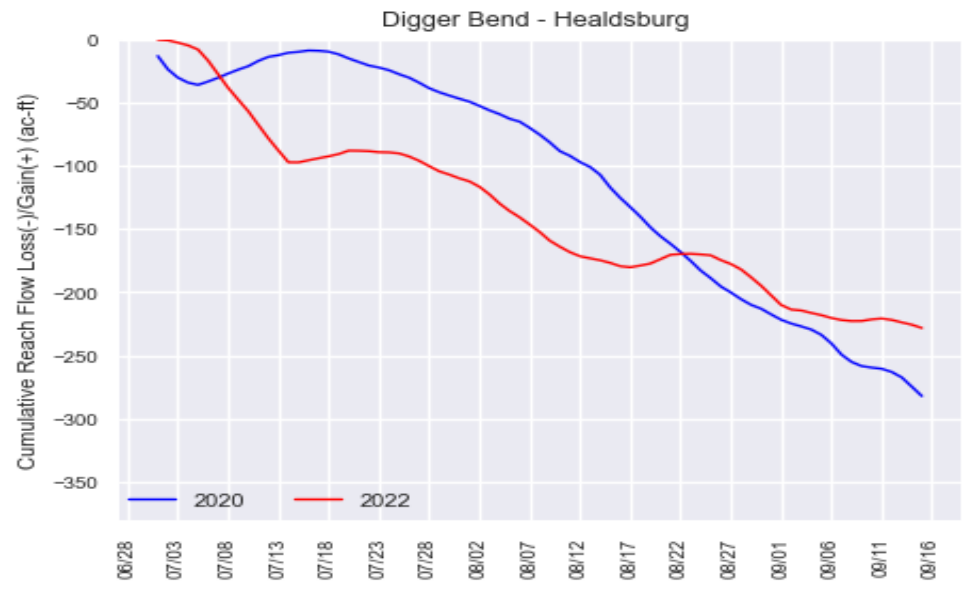
\*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



### Upper Russian River Flow Gain/Loss (July 1, 2022 - September 15, 2022)



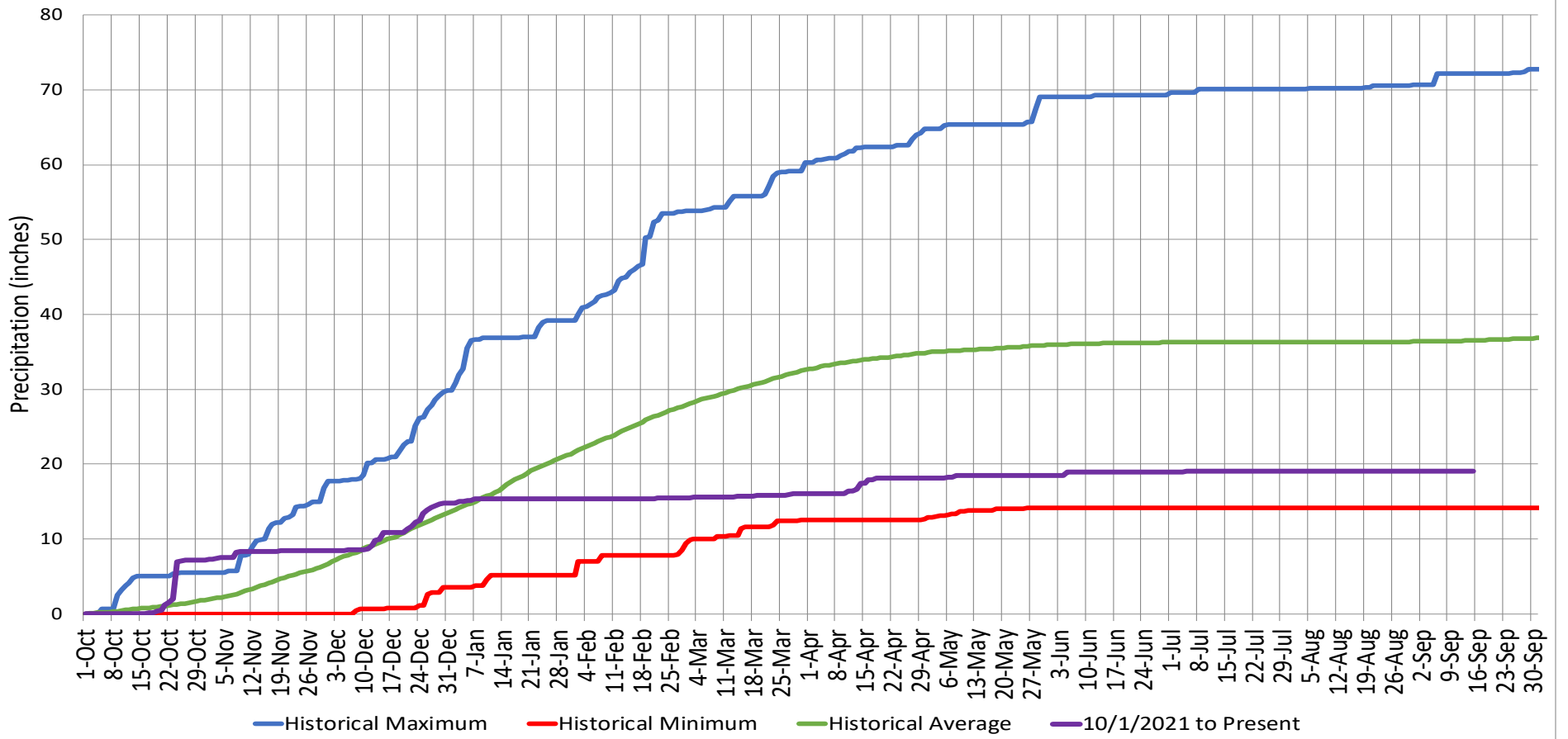
# Upper Russian River Flow Gain/Loss (July 1, 2022 - September 15, 2022)



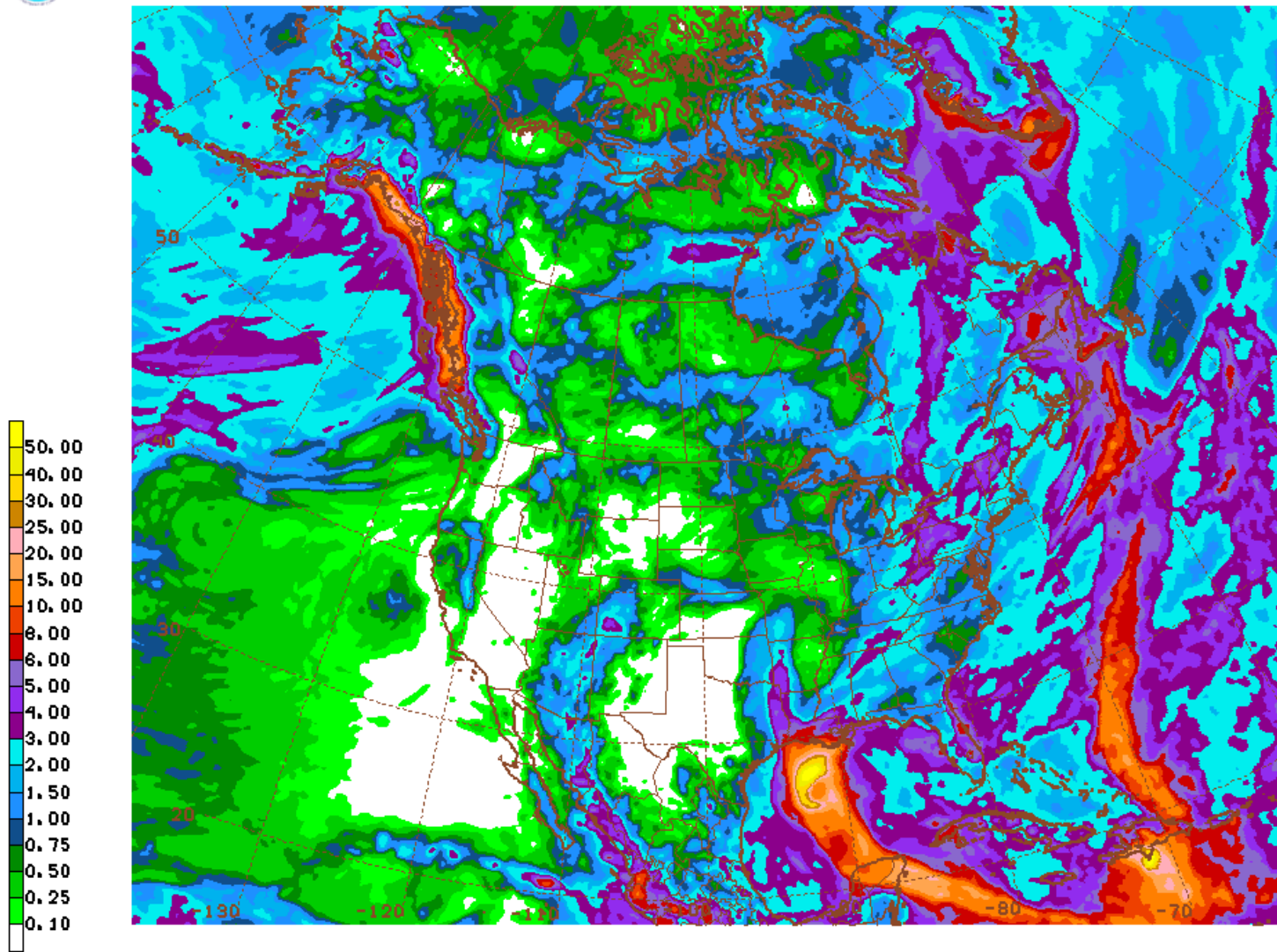
### Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Sep 15, 2022	<b>19.03</b>
Last 7 Days*	<b>0.00</b>

Cumulative Precipitation Comparison of Current Year versus Historic Record



GFS 09/19/22 12UTC 384HR FCST VALID WED 10/05/22 12UTC NOAA/NWS/NCEP



GFS WED 221005/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range  
Sep 19 - Oct 5, 2022

Forecasted Cumulative (inches)  
**0.13**

## Russian River Fisheries Monitoring



Sonoma Water has reviewed video from the Mirabel Dam from September 1, through September 4, 2022. To date no adult salmonids have been observed.