



**Sonoma Water**

**State Water Resources Control Board  
 Temporary Urgency Change Order (6/14/2021)  
 Russian River Hydrologic Report  
 September 10, 2021 - September 16, 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).

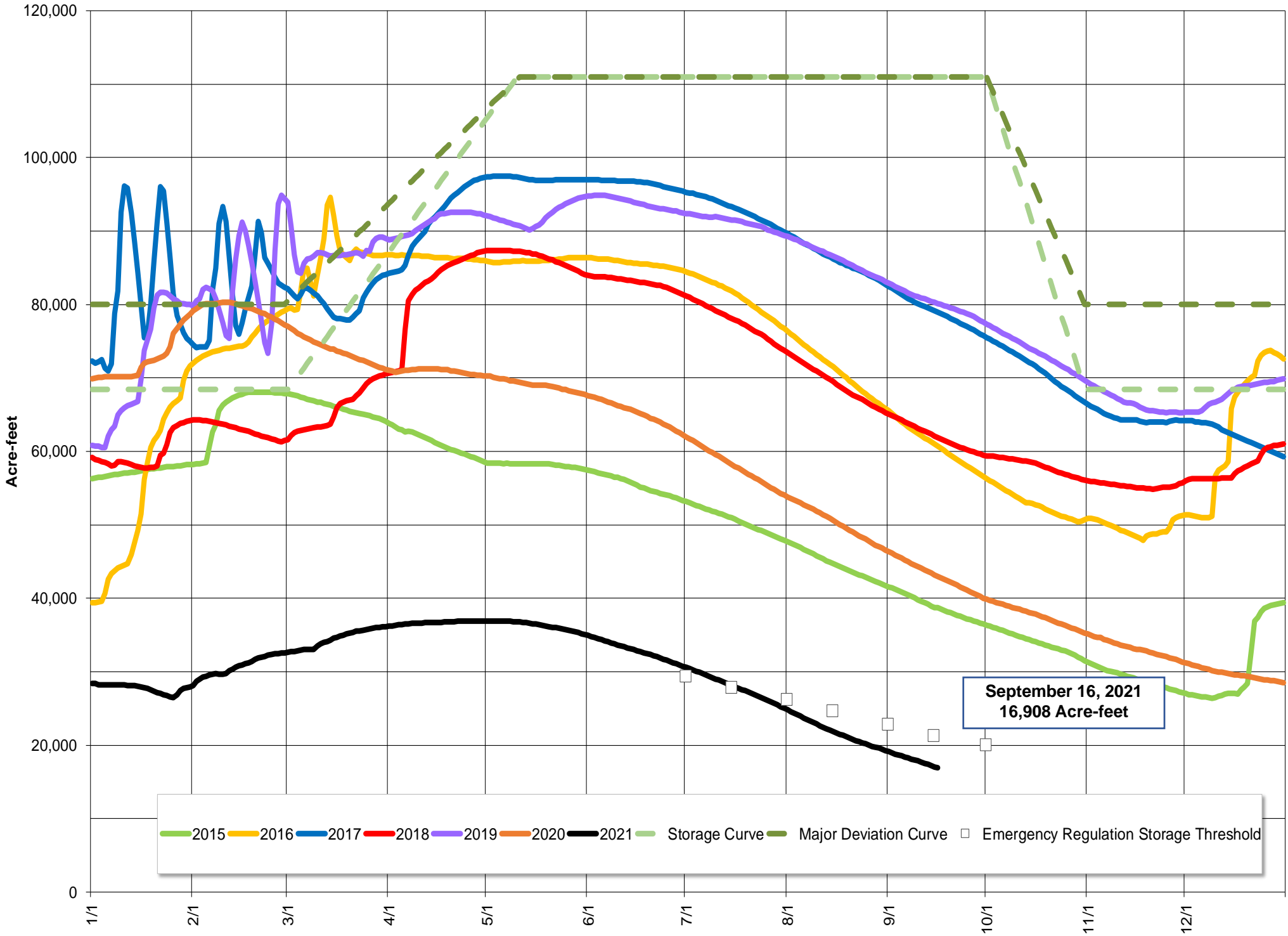
**Instream Flow Requirements as of September 16, 2021**

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

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**



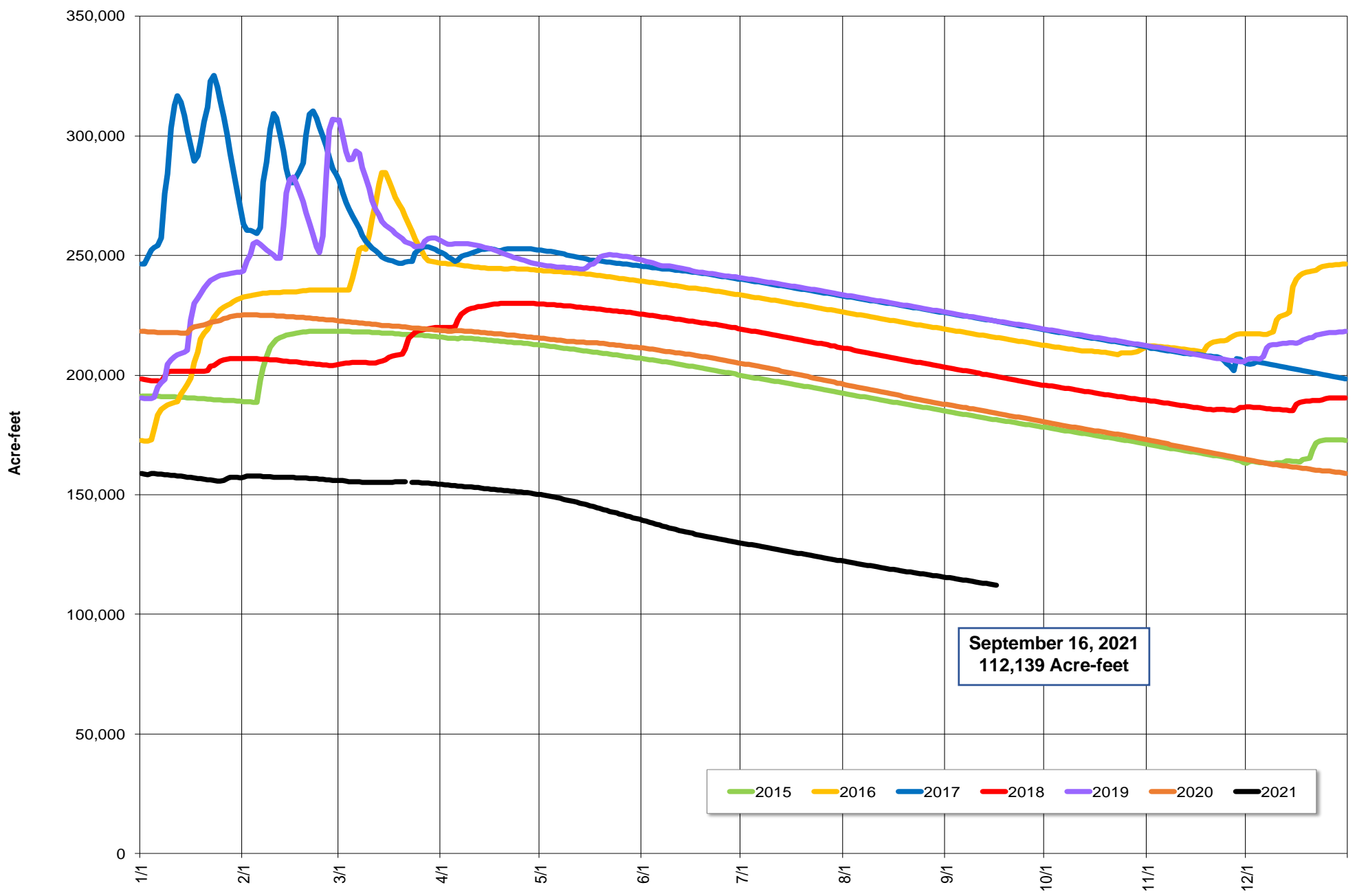
Storage (acre-feet)	September 16, 2021	<b>16,908</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-4,589</b>	<b>-153</b>
	Last 7 days	<b>-939</b>	<b>-134</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>2</b>
		Max	<b>31</b>
		Mean	<b>17</b>
Release (cfs)	Last 7 days	Min	<b>85</b>
		Max	<b>89</b>
		Mean	<b>87</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

### Lake Sonoma Storage 2015-2021



Storage (acre-feet)	September 16, 2021	<b>112,139</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>-6,354</b>	<b>-212</b>
	Last 7 days	<b>-1,425</b>	<b>-204</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>0</b>
		Max	<b>3</b>
		Mean	<b>0</b>
Release (cfs)	Last 7 days	Min	<b>94</b>
		Max	<b>100</b>
		Mean	<b>97</b>

# Potter Valley Project

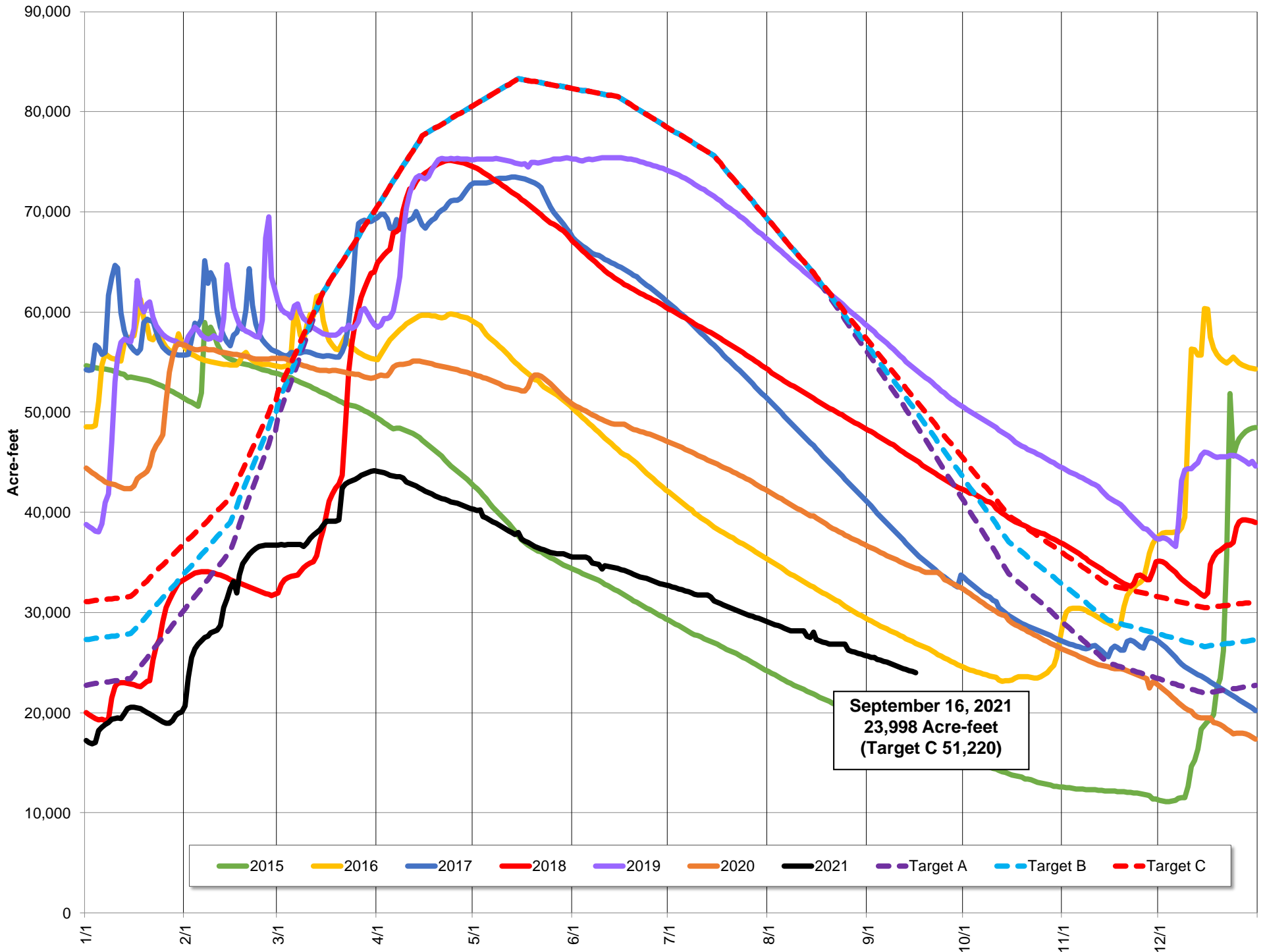
PVP Diversion (cfs)	September 16, 2021	30
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2020 - September 16, 2021	83,495	239
	Last 7 days	68	10

\*Inflow calculation based on criteria established in D1610

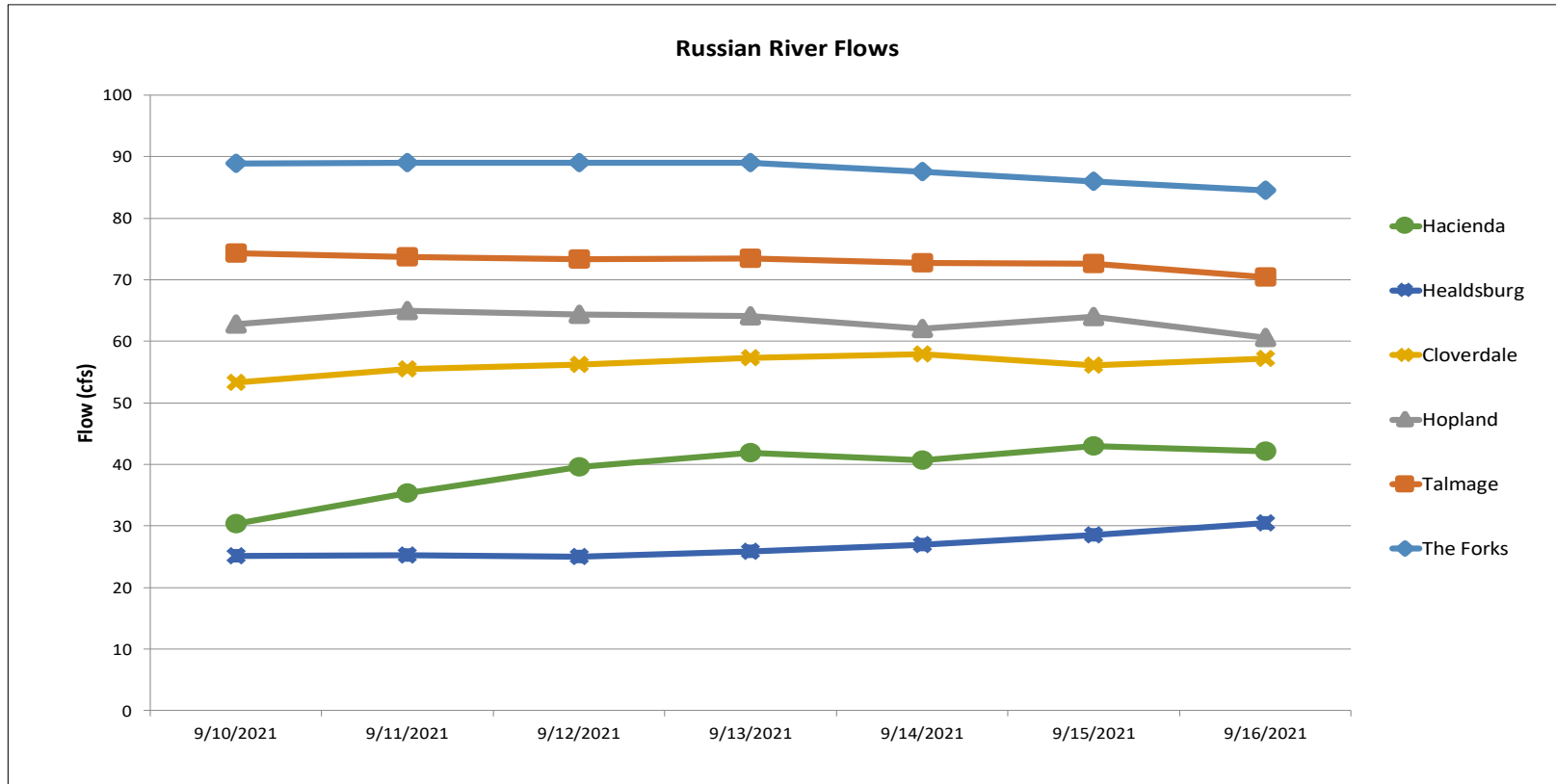
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



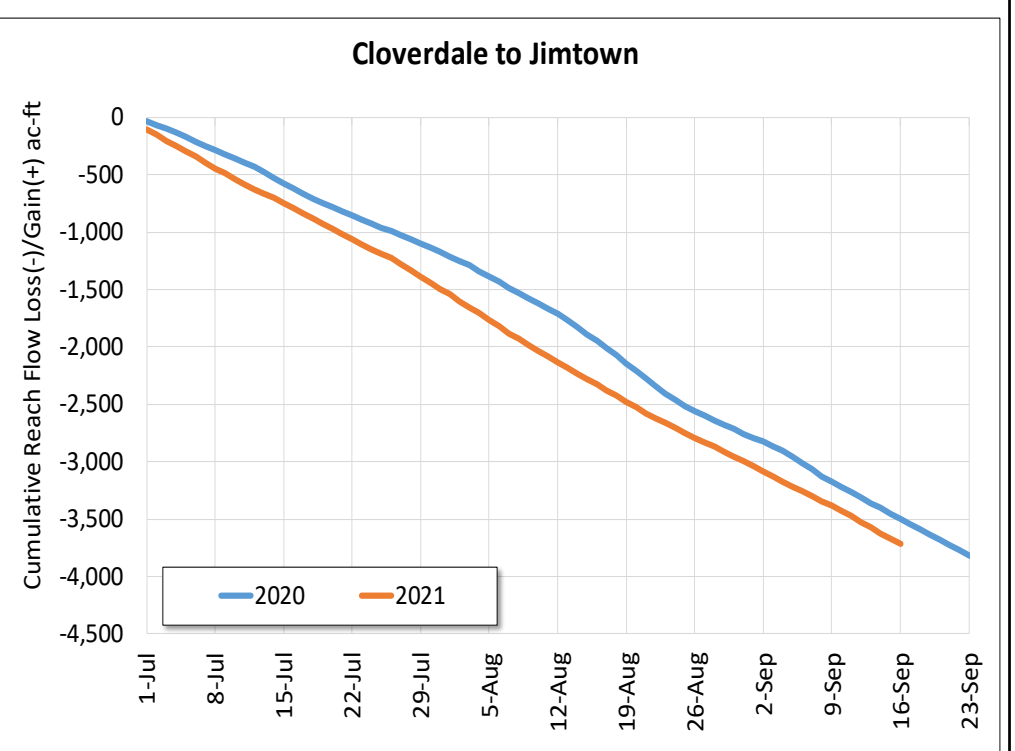
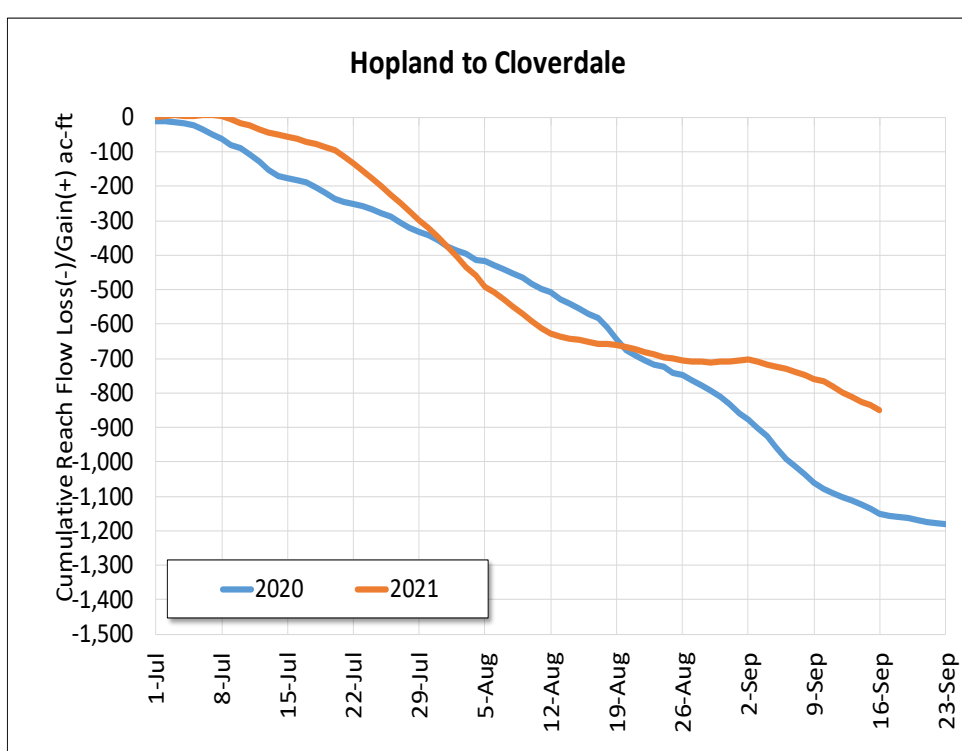
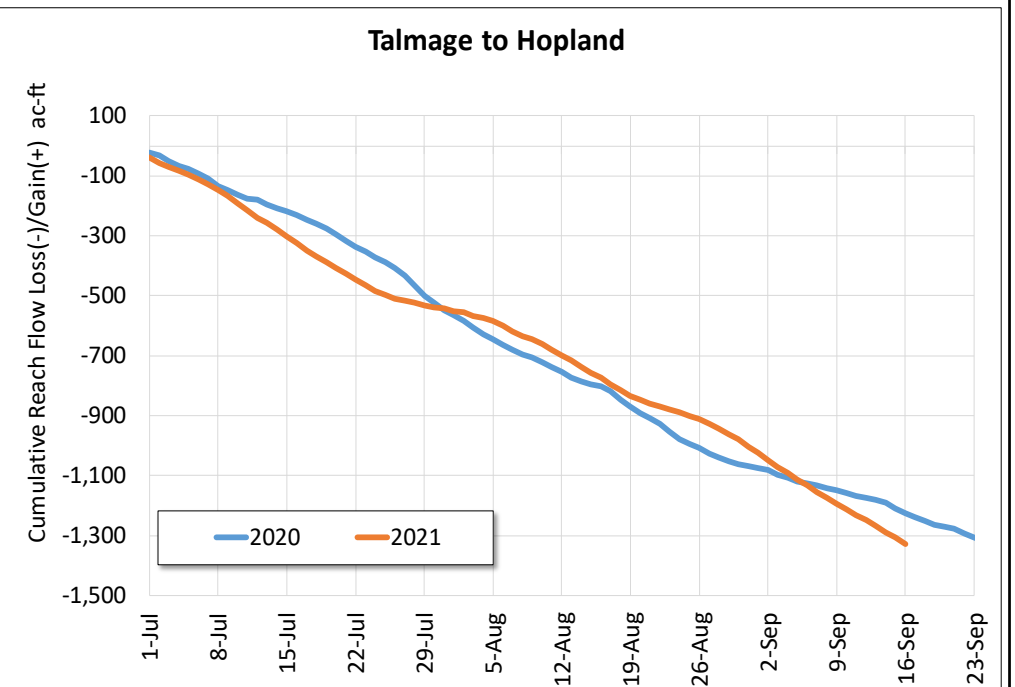
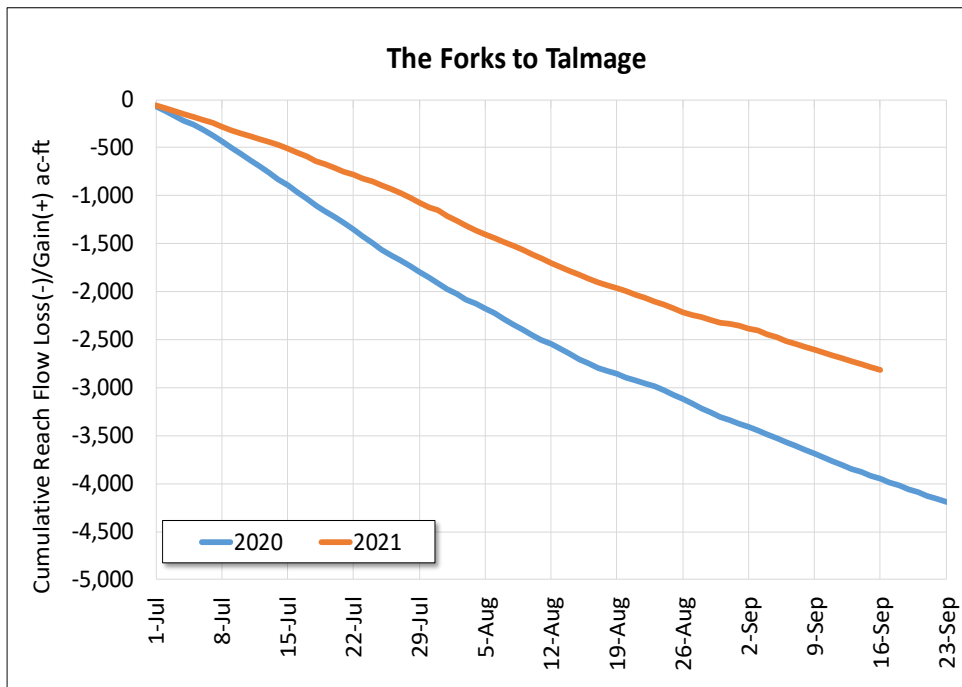
### Russian River Flows (September 10 - September 16, 2021)

Gage	24-hr Average Flow (cfs)						
	Sep 10, 2021	Sep 11, 2021	Sep 12, 2021	Sep 13, 2021	Sep 14, 2021	Sep 15, 2021	Sep 16, 2021
The Forks*	89	89	89	89	88	86	85
Talmage USGS 11462080	74	74	73	73	73	73	70
Hopland USGS 11462500	63	65	64	64	62	64	61
Cloverdale USGS 11463000	53	55	56	57	58	56	57
Healdsburg USGS 11464000	25	25	25	26	27	29	31
Hacienda USGS 11467000	30	35	40	42	41	43	42

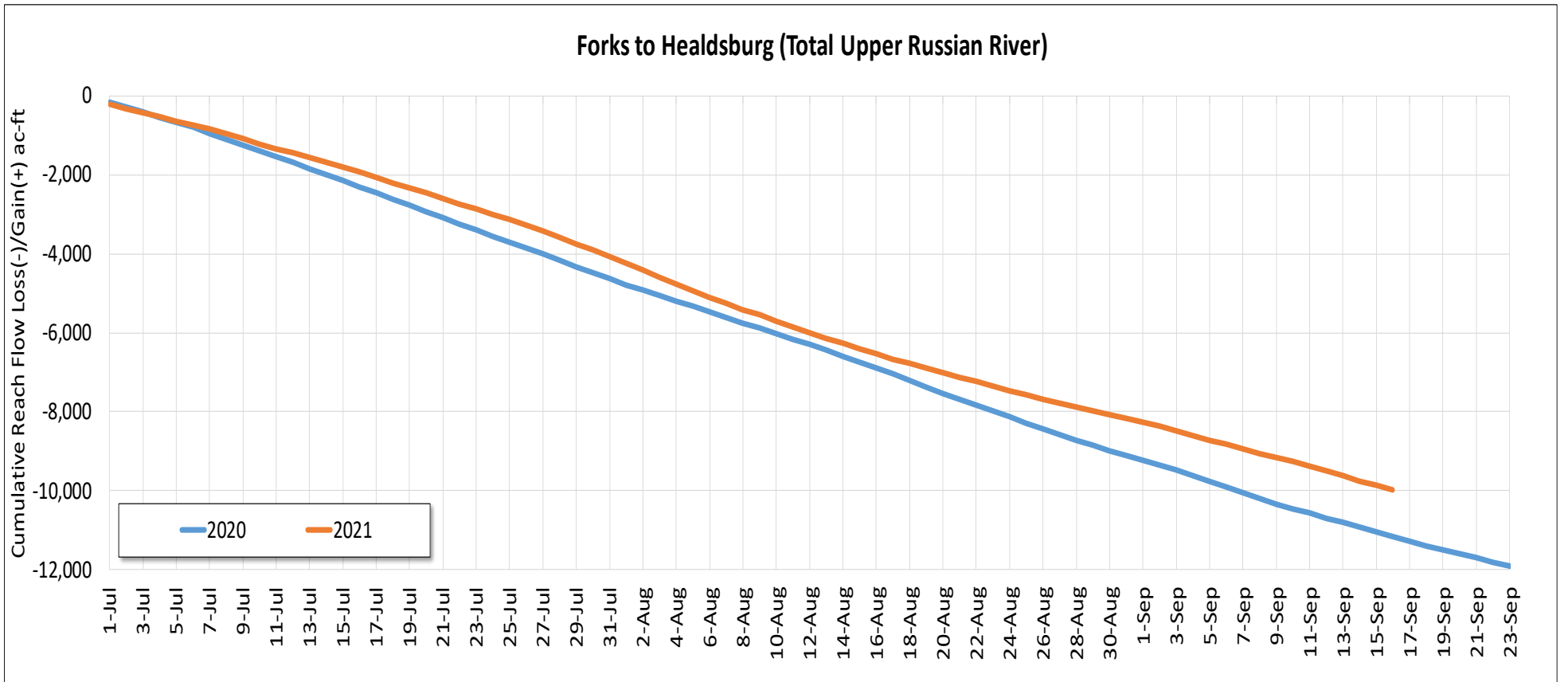
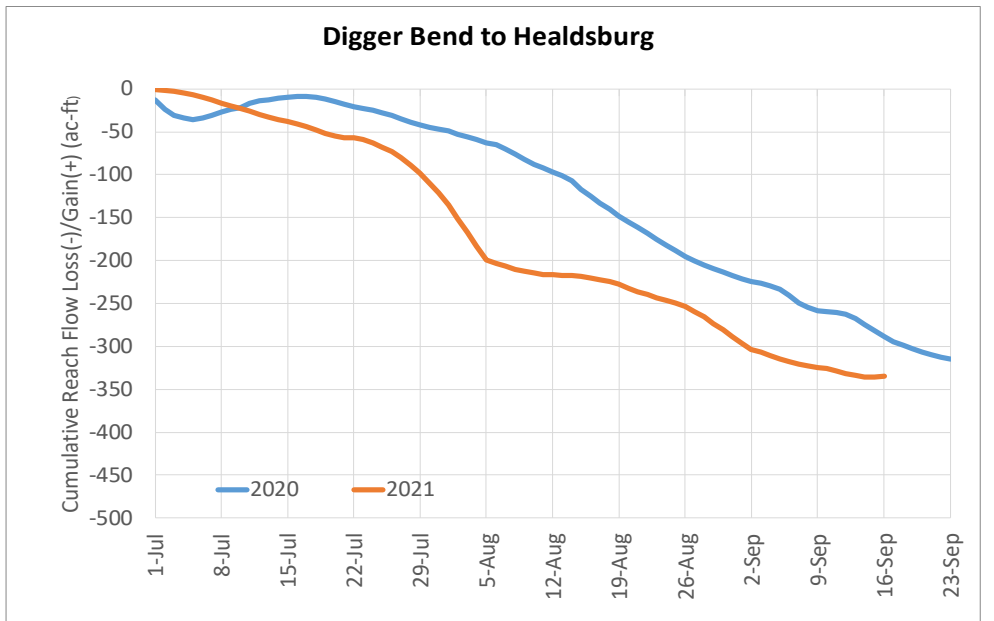
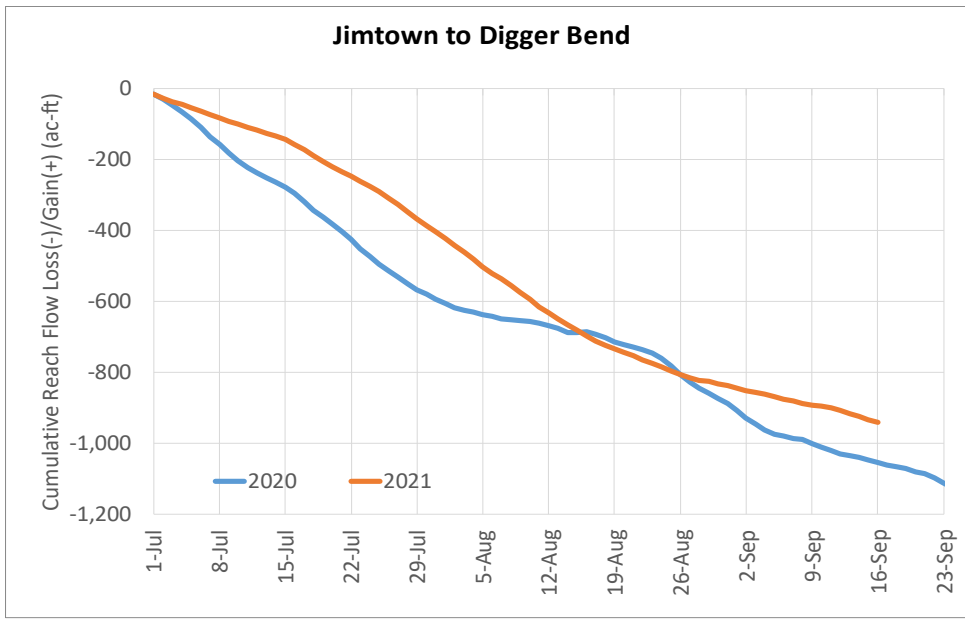
\*West Fork (USGS 11461000) + East Fork (Coyote Valley Dam Release)



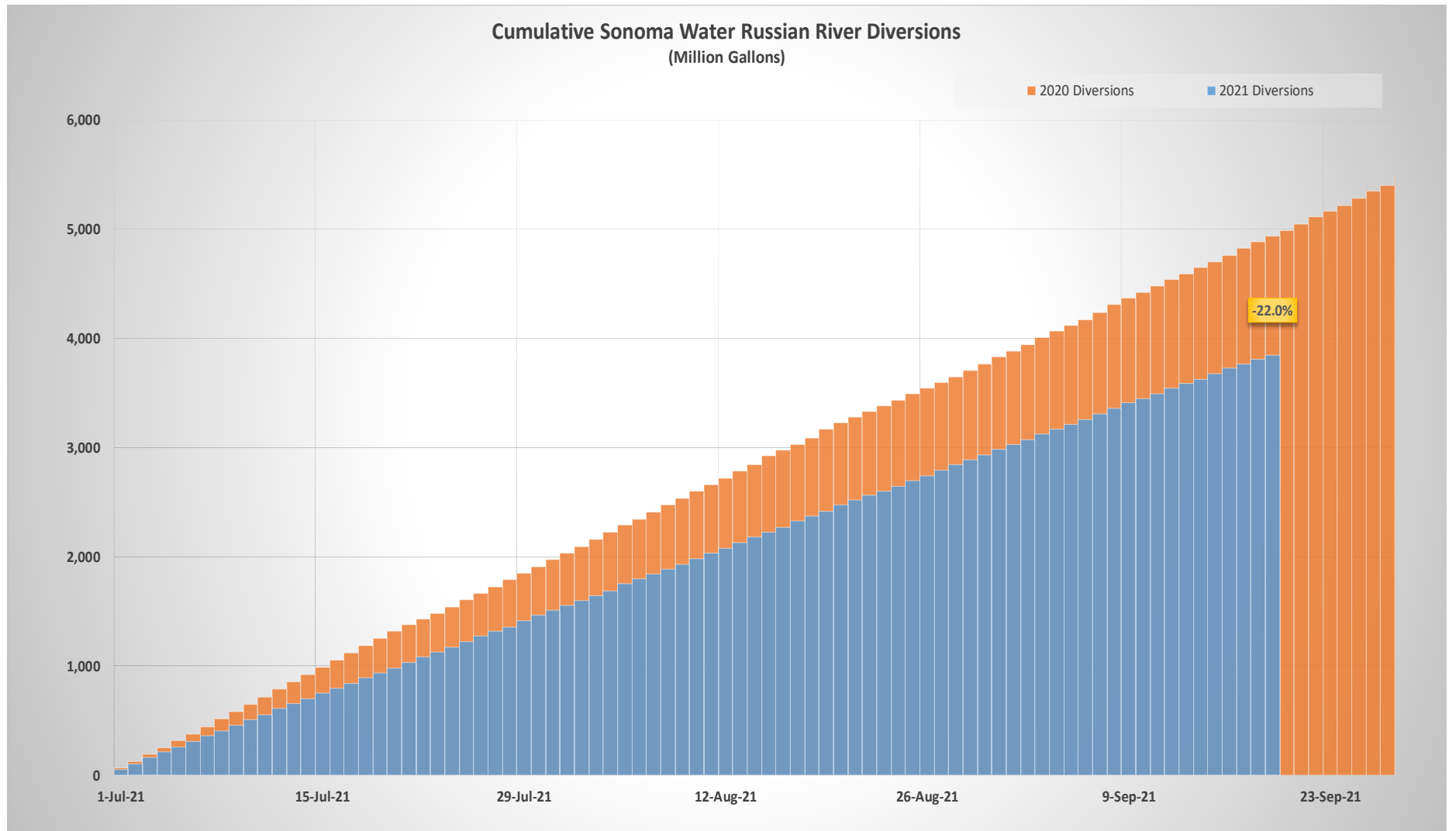
### Upper Russian River Flow Gain/Loss (July 1 - September 16, 2021)



### Upper Russian River Flow Gain/Loss (July 1 - September 16, 2021)

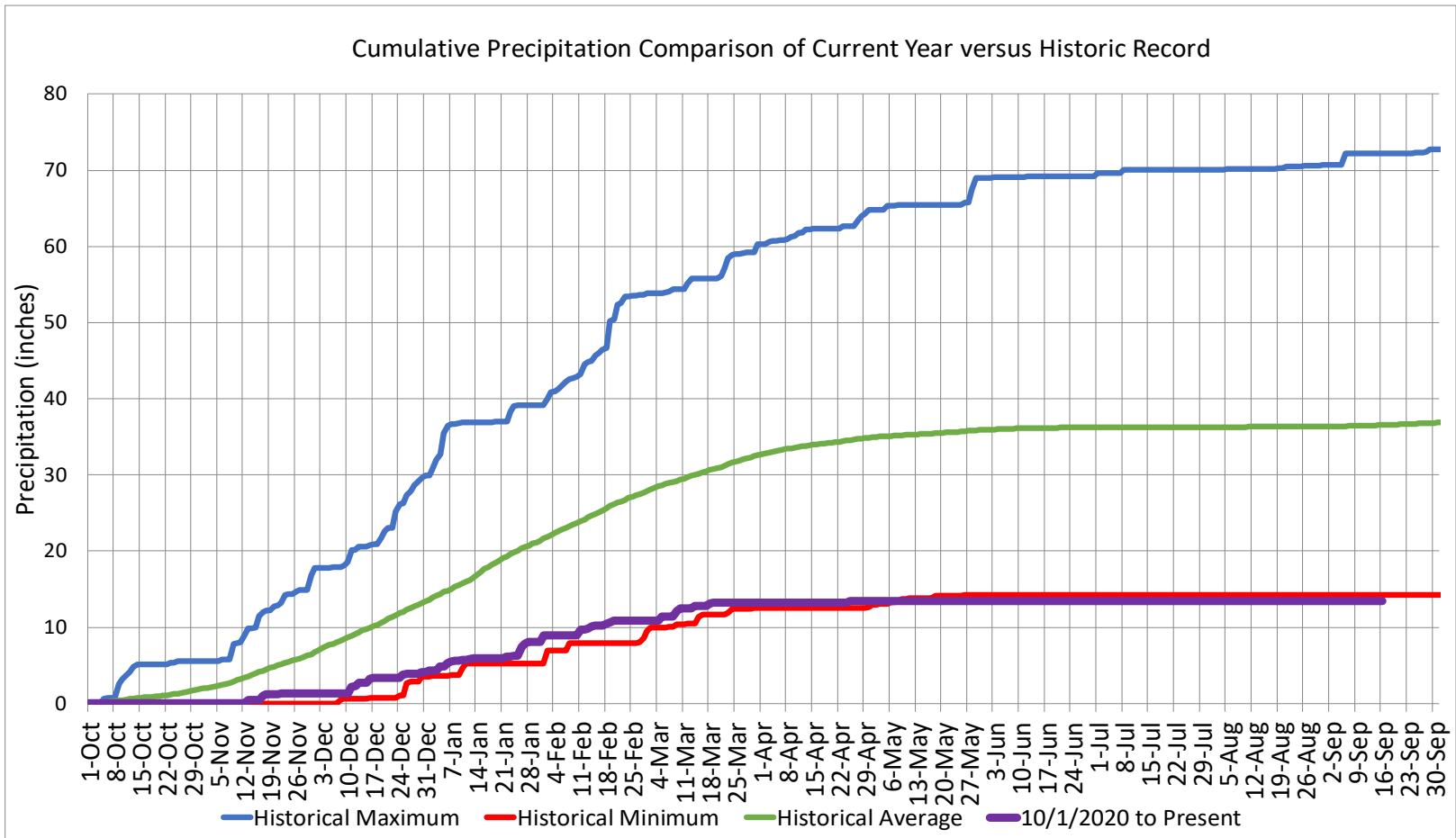


### Sonoma Water River Diversions (July 1 - September 16, 2021)



### Precipitation

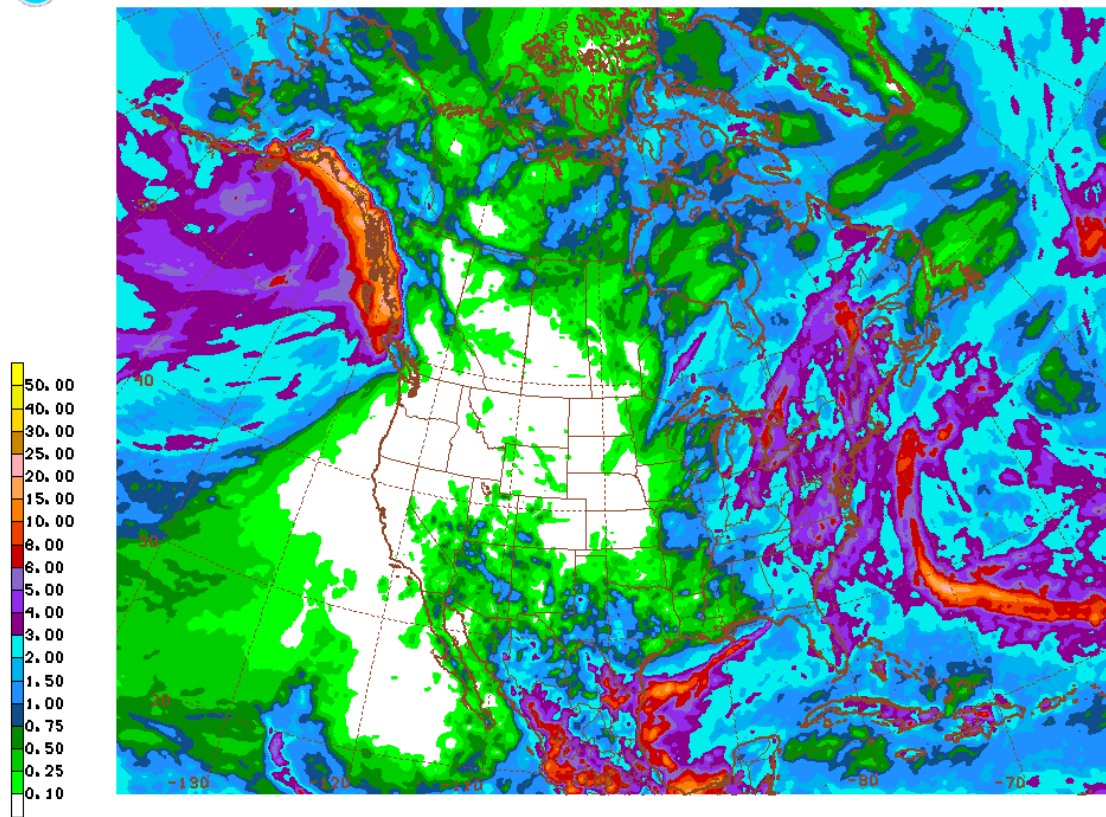
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2020 - Sep 16, 2021	<b>13.48</b>
Last 7 Days*	<b>0.00</b>



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



GFS 09/20/21 12UTC 384HR FCST VALID WED 10/06/21 12UTC NOAA/NWS/NCEP



GFS WED 211006/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Sep 20 - Oct 6, 2021	<b>0.0</b>