



**State Water Resources Control Board
 Temporary Urgency Change Order (6/17/2022)
 Russian River Hydrologic Report
 November 18, 2022 - November 24, 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).

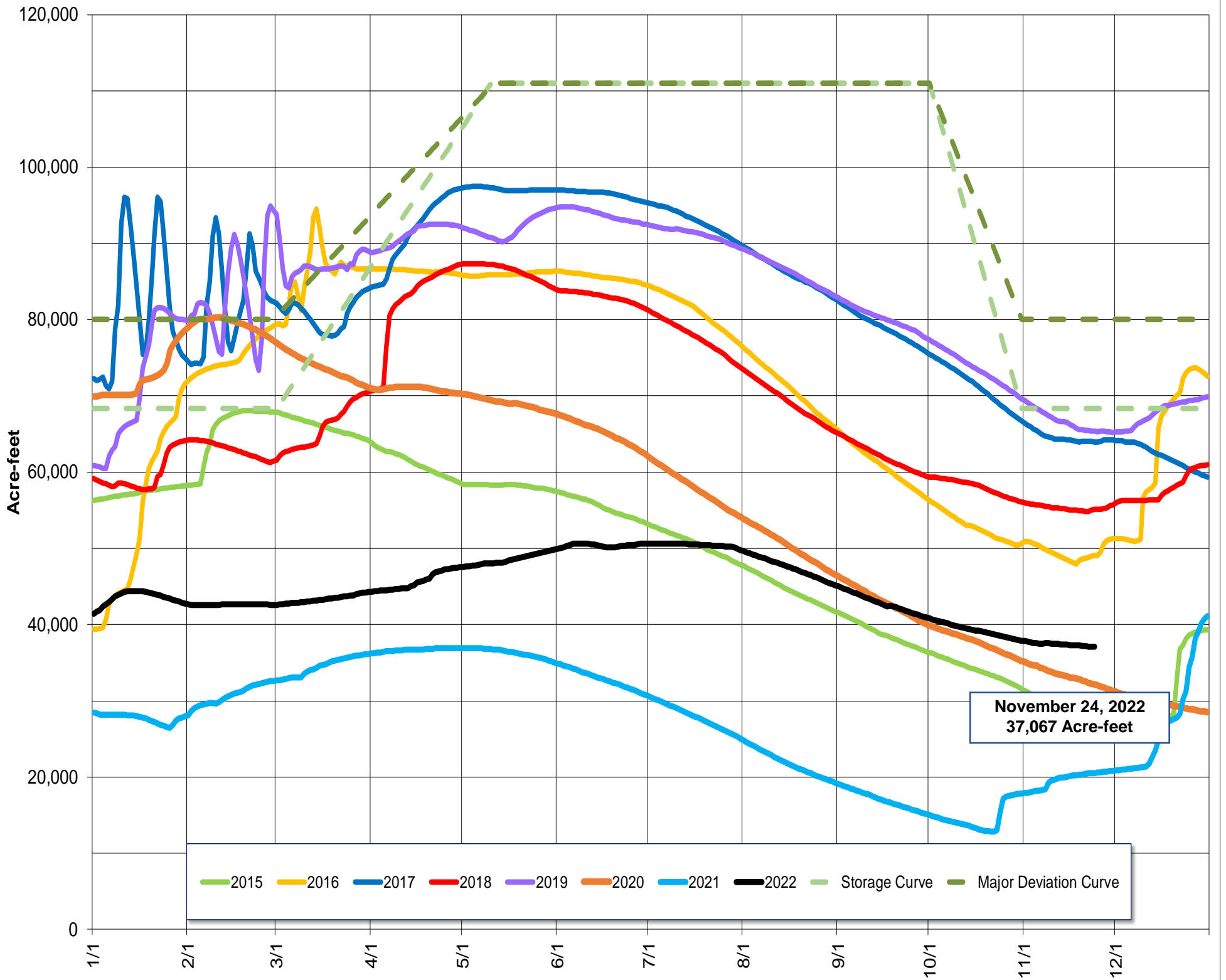
Instream Flow Requirements as of November 24, 2022

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Critical Condition	Upper Russian River	15	25
D-1610: Normal Condition	Dry Creek	105	-
Modified Per Order: Critical Condition	Lower Russian River	25	35

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

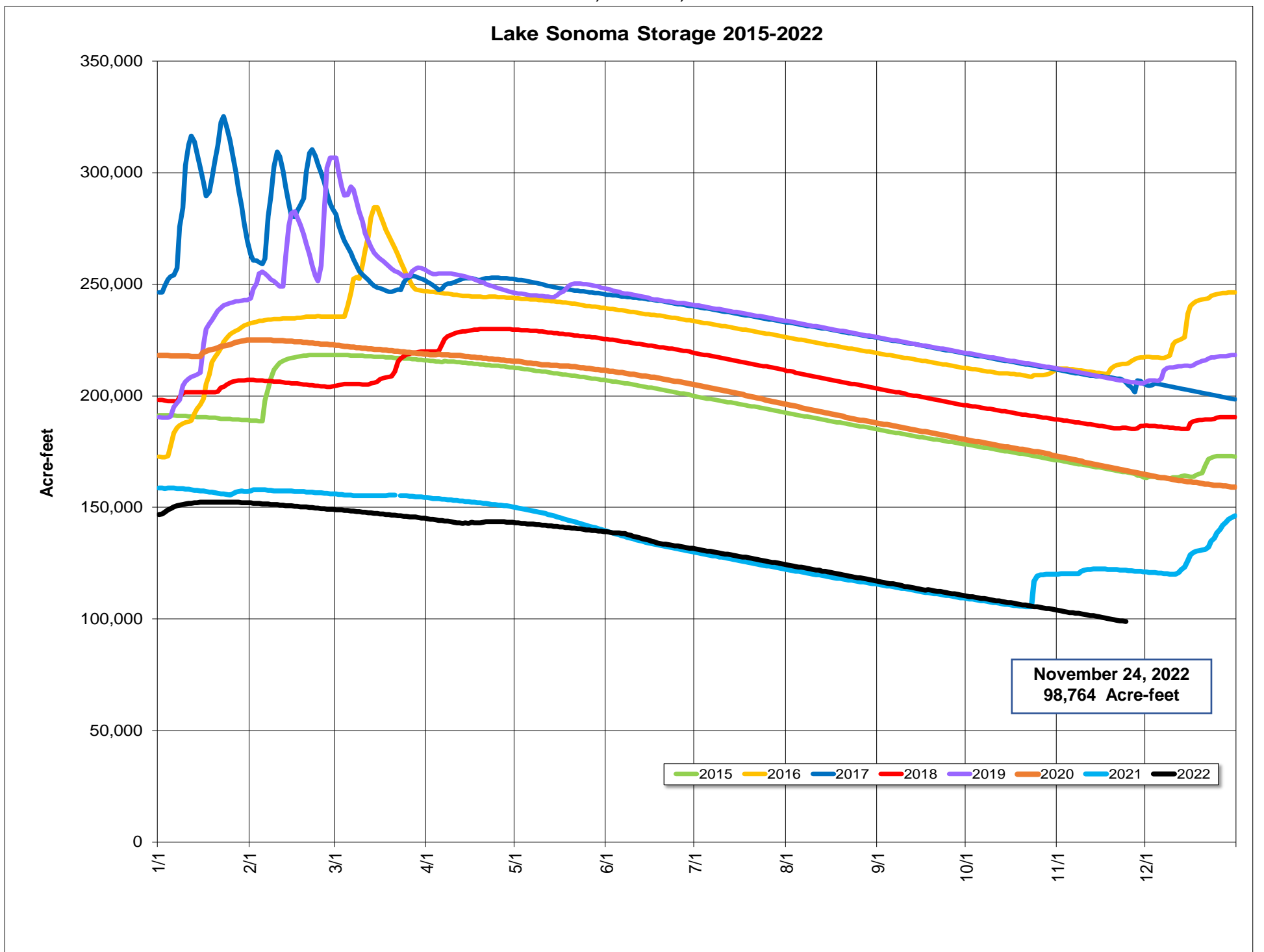


Storage (acre-feet)	November 24, 2022	37,067	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
	Last 7 days	-1,389	-46
Daily Inflow (cfs)	Last 7 days	Min	7
		Max	28
		Mean	16
Release (cfs)	Last 7 days	Min	27
		Max	31
		Mean	29

Lake Sonoma



Nathan Baskett, March 3, 2011



Storage (acre-feet)	November 24, 2022	98,764	
Change in Storage (acre-feet)	Last 30 days	-5,230	-174
	Last 7 days	-1,437	-205
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	9
		Mean	1
Release (cfs)	Last 7 days	Min	106
		Max	113
		Mean	107

Potter Valley Project

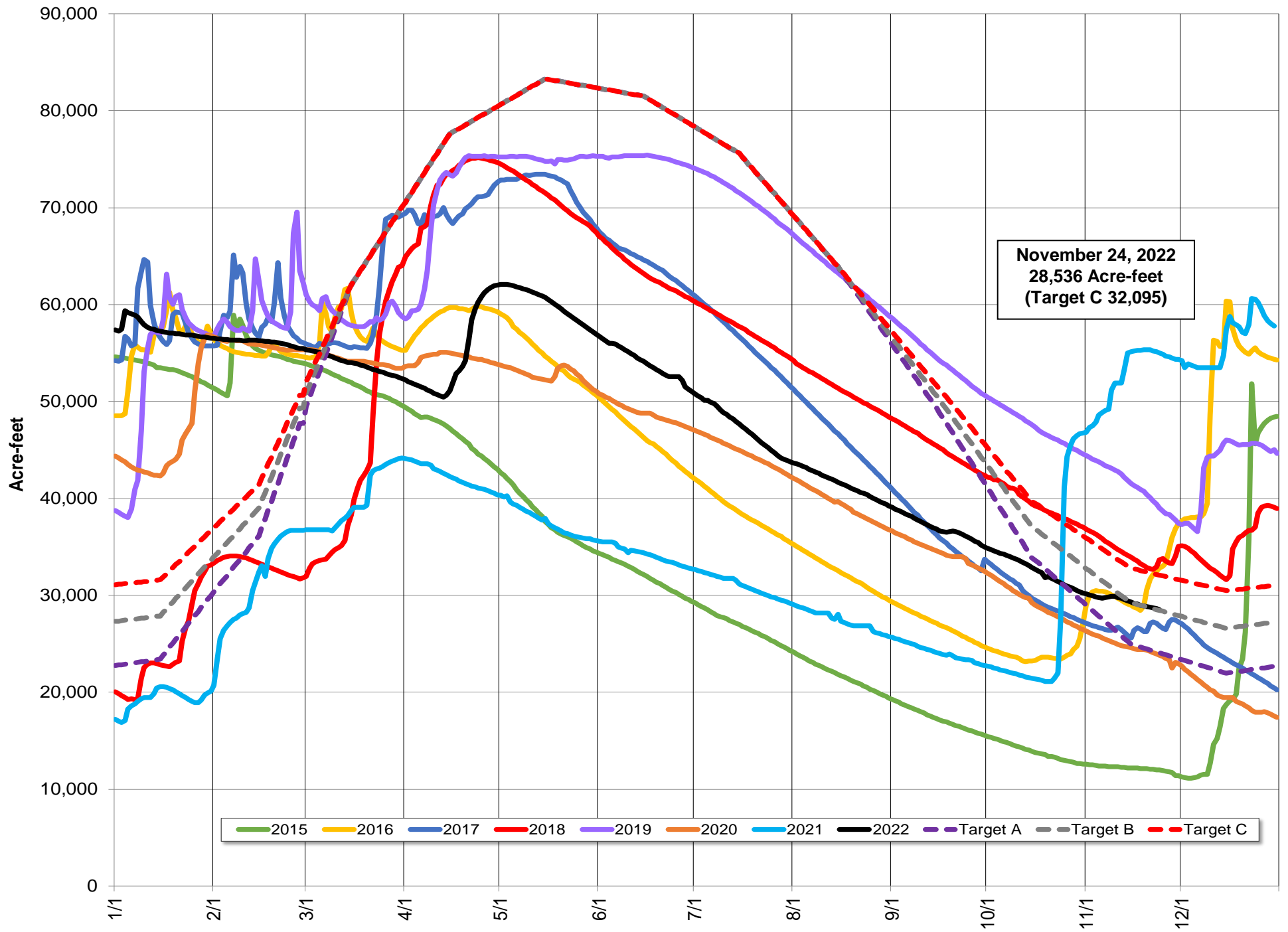
PVP Diversion (cfs)	November 24, 2022	12
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - November 24, 2022	3,595	65
	Last 7 days	214	31

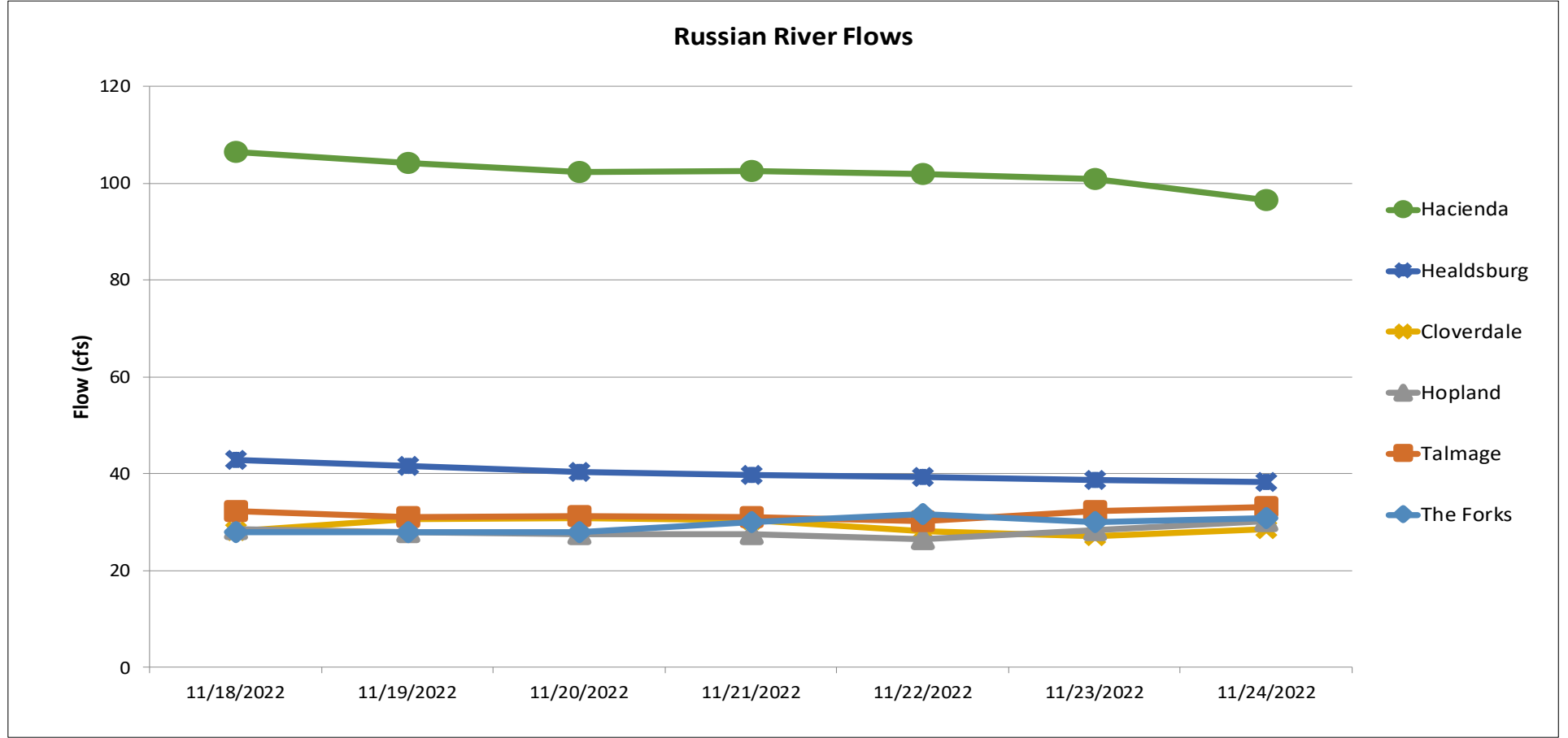
*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2015-2022 and Target Storage Scenarios

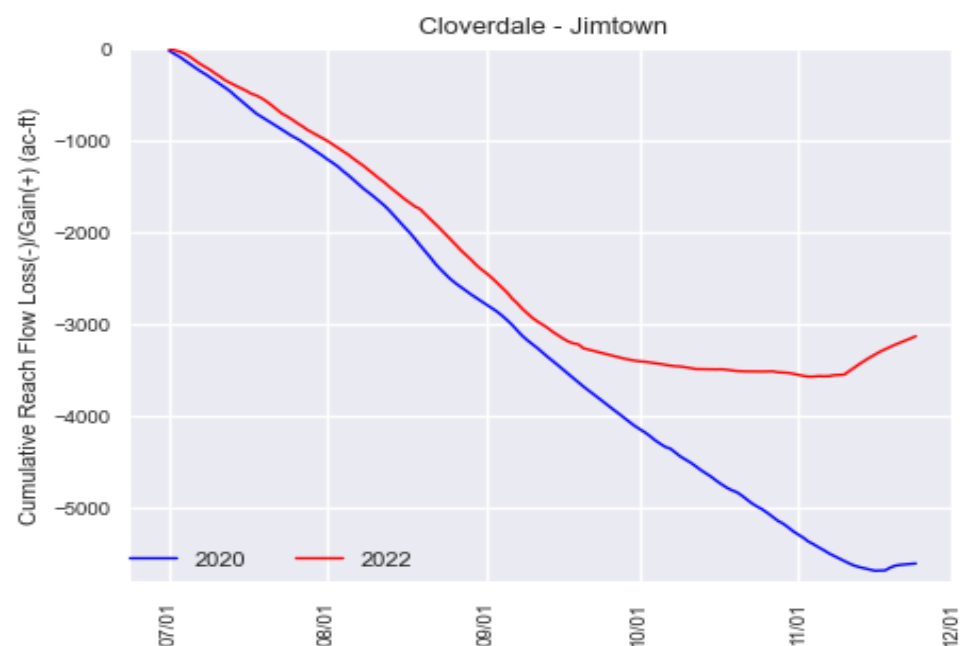
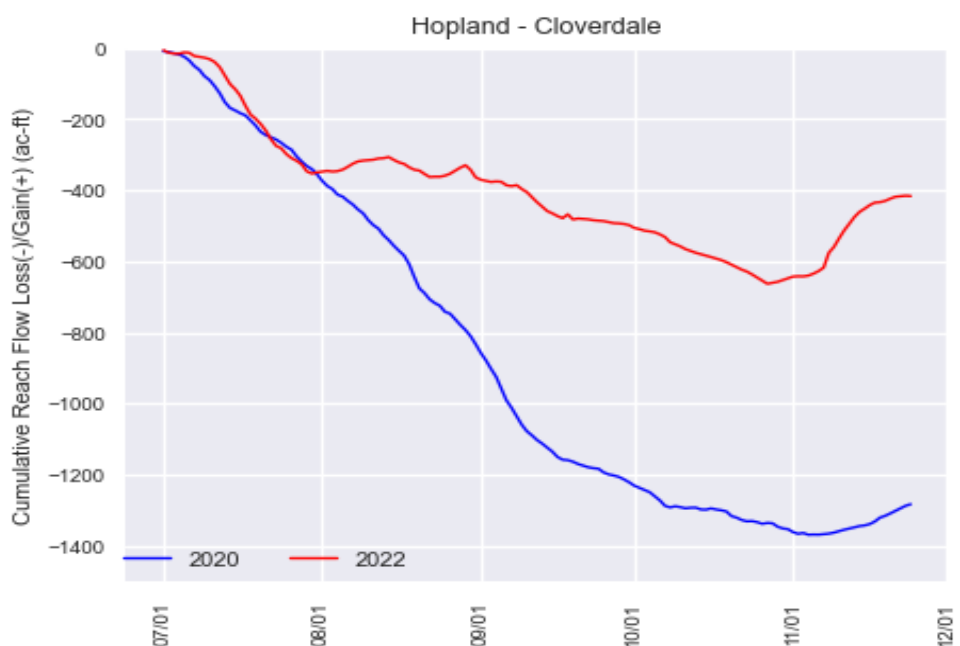
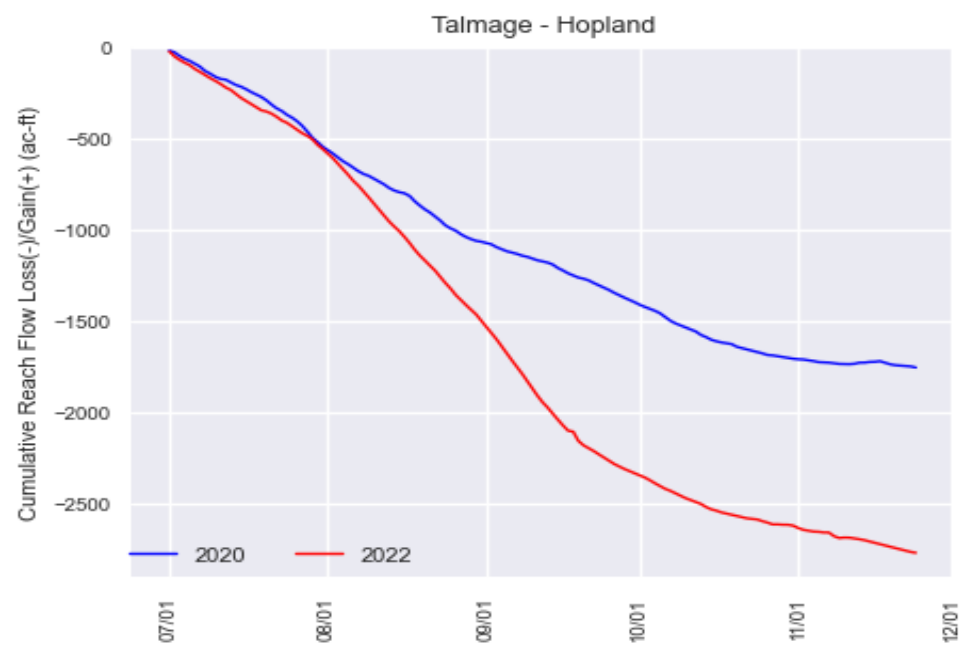
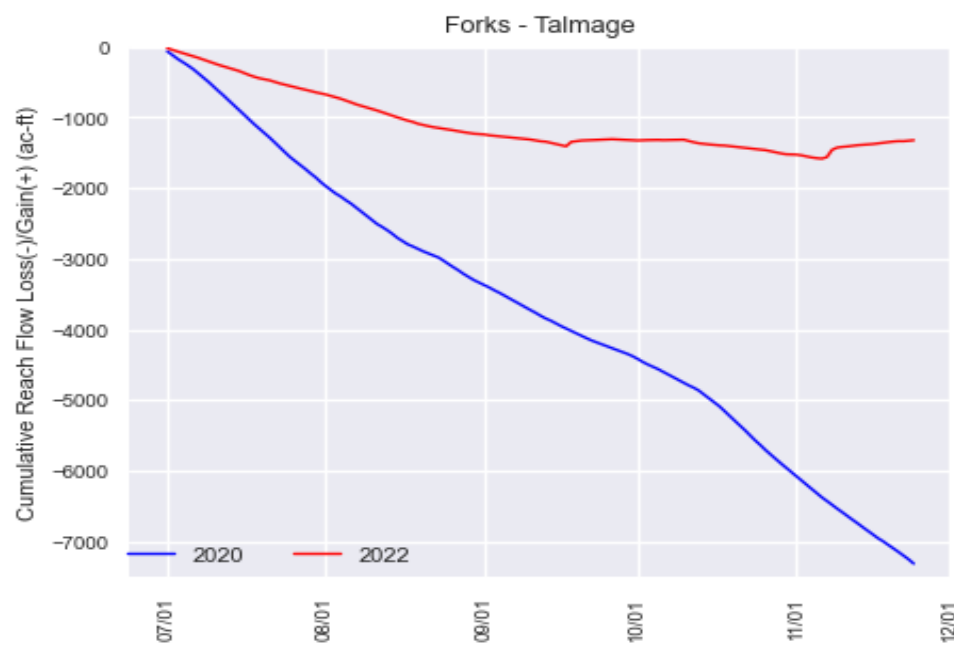


Gage	24-hr Average Flow (cfs)						
	Nov 18, 2022	Nov 19, 2022	Nov 20, 2022	Nov 21, 2022	Nov 22, 2022	Nov 23, 2022	Nov 24, 2022
The Forks*	28	28	28	30	32	30	31
Talmage USGS 11462080	32	31	31	31	30	32	33
Hopland USGS 11462500	28	28	28	28	27	28	30
Cloverdale USGS 11463000	28	31	31	30	28	27	29
Healdsburg USGS 11464000	43	42	40	40	39	39	38
Hacienda USGS 11467000	107	104	102	103	102	101	97

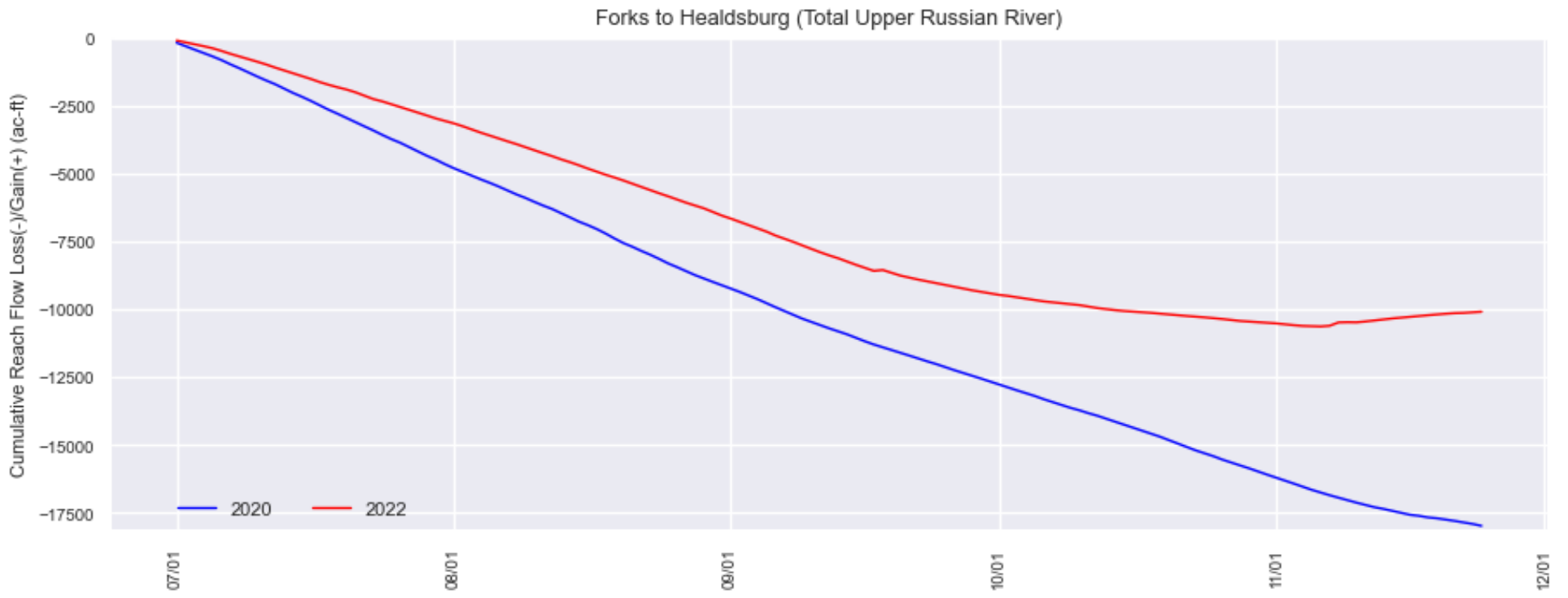
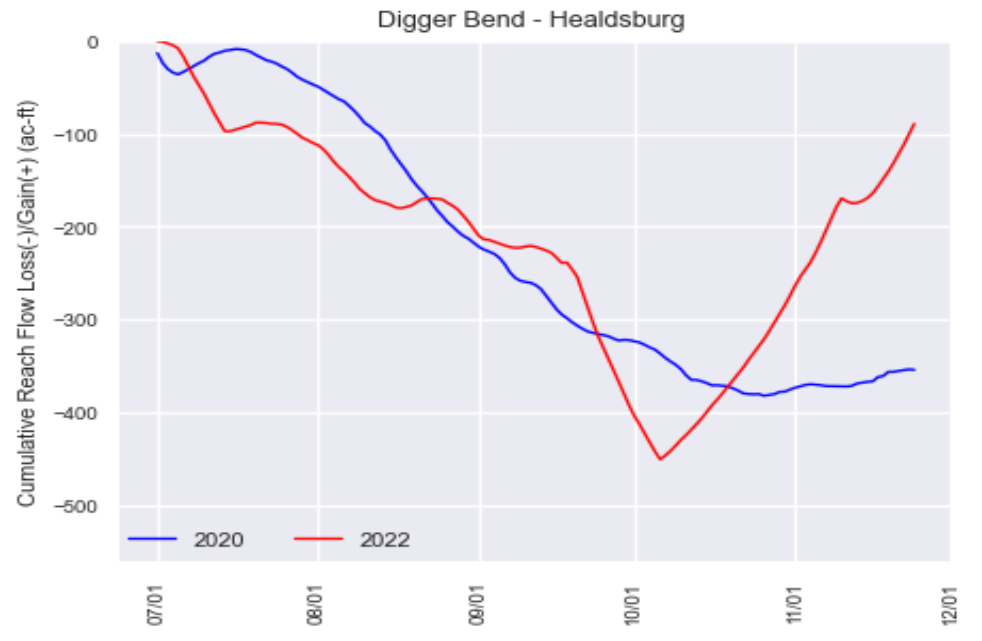
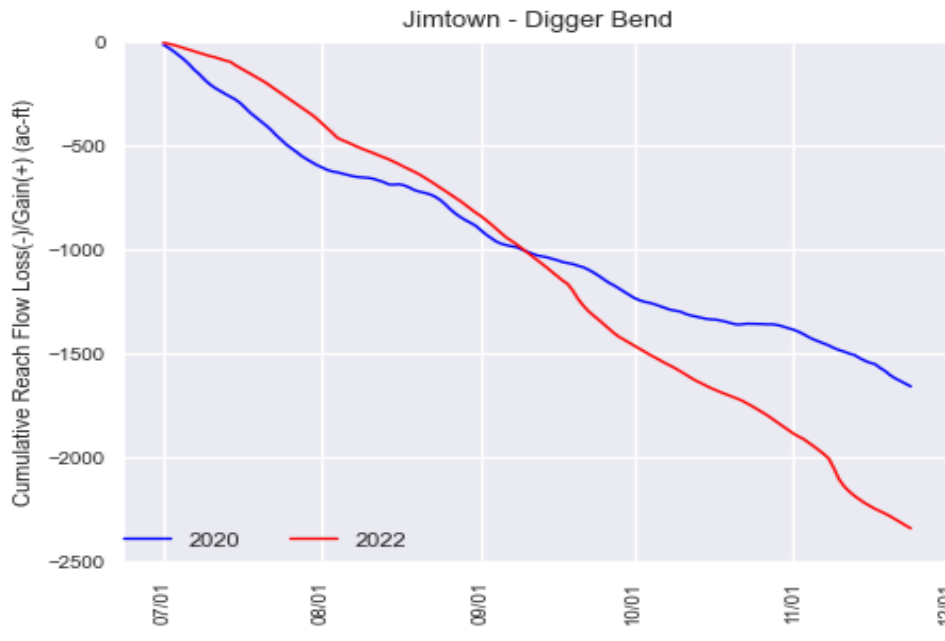
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Upper Russian River Flow Gain/Loss (July 1, 2022 - November 24, 2022)



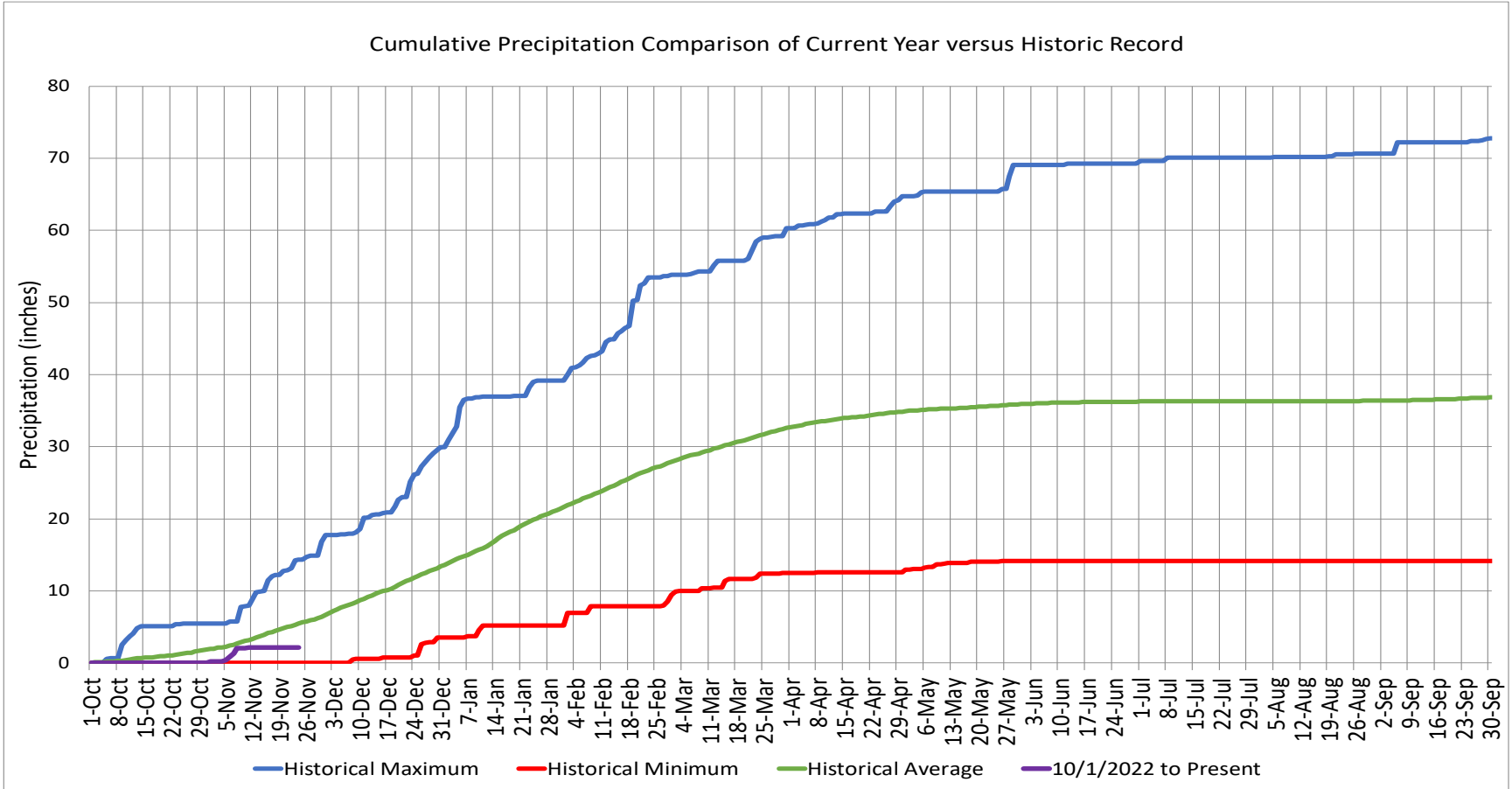
Upper Russian River Flow Gain/Loss (July 1, 2022 - November 24, 2022)



Precipitation

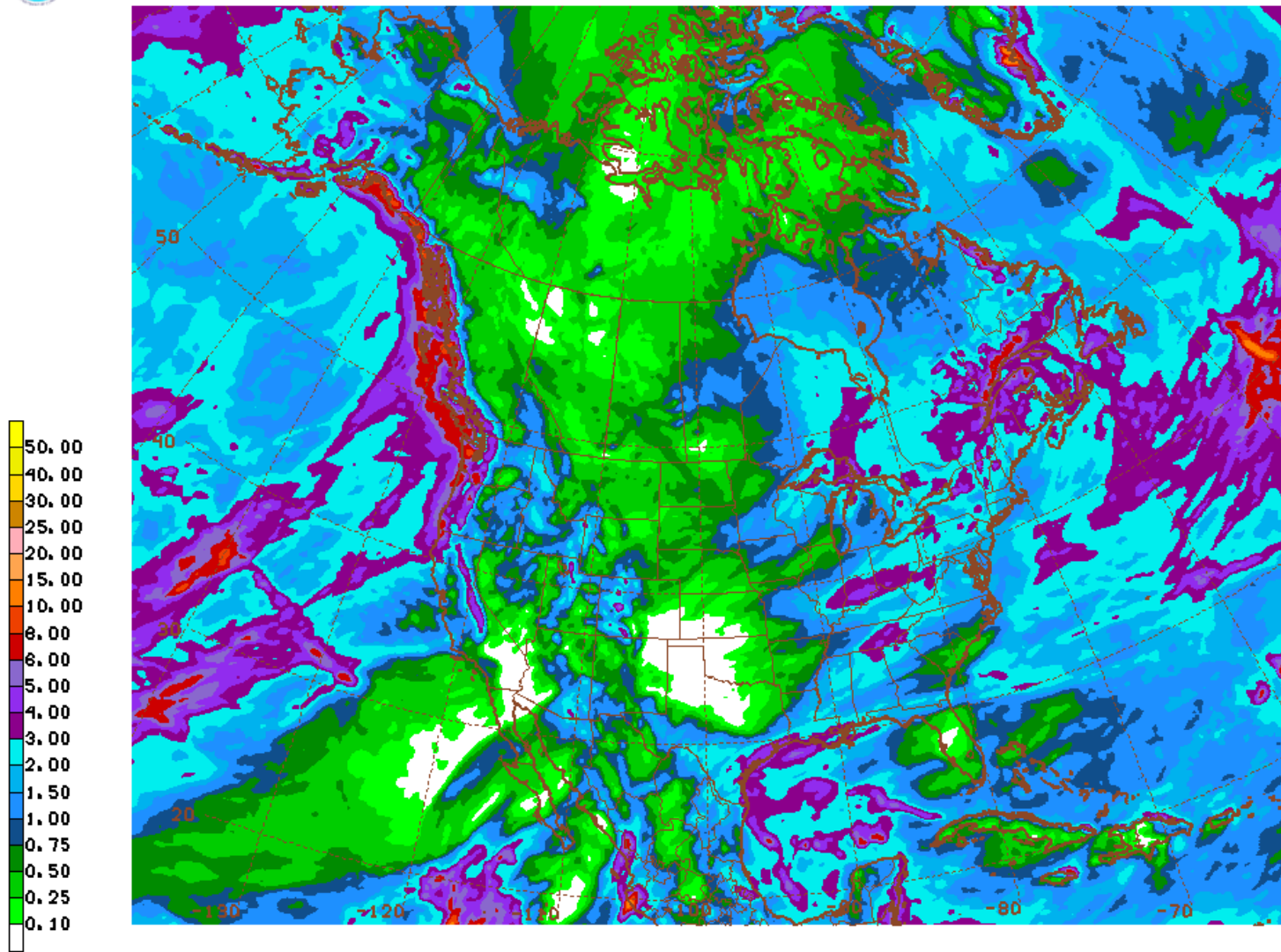
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2022 - Nov 24, 2022	2.14
Last 7 Days*	0.00



Global Forecast System Model 16-day Cumulative Precipitation Forecast

GFS 11/28/22 12UTC 384HR FCST VALID WED 12/14/22 12UTC NOAA/NWS/NCEP



GFS WED 221214/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Nov 28 - Dec 14, 2022	1.51

Russian River Fisheries Monitoring

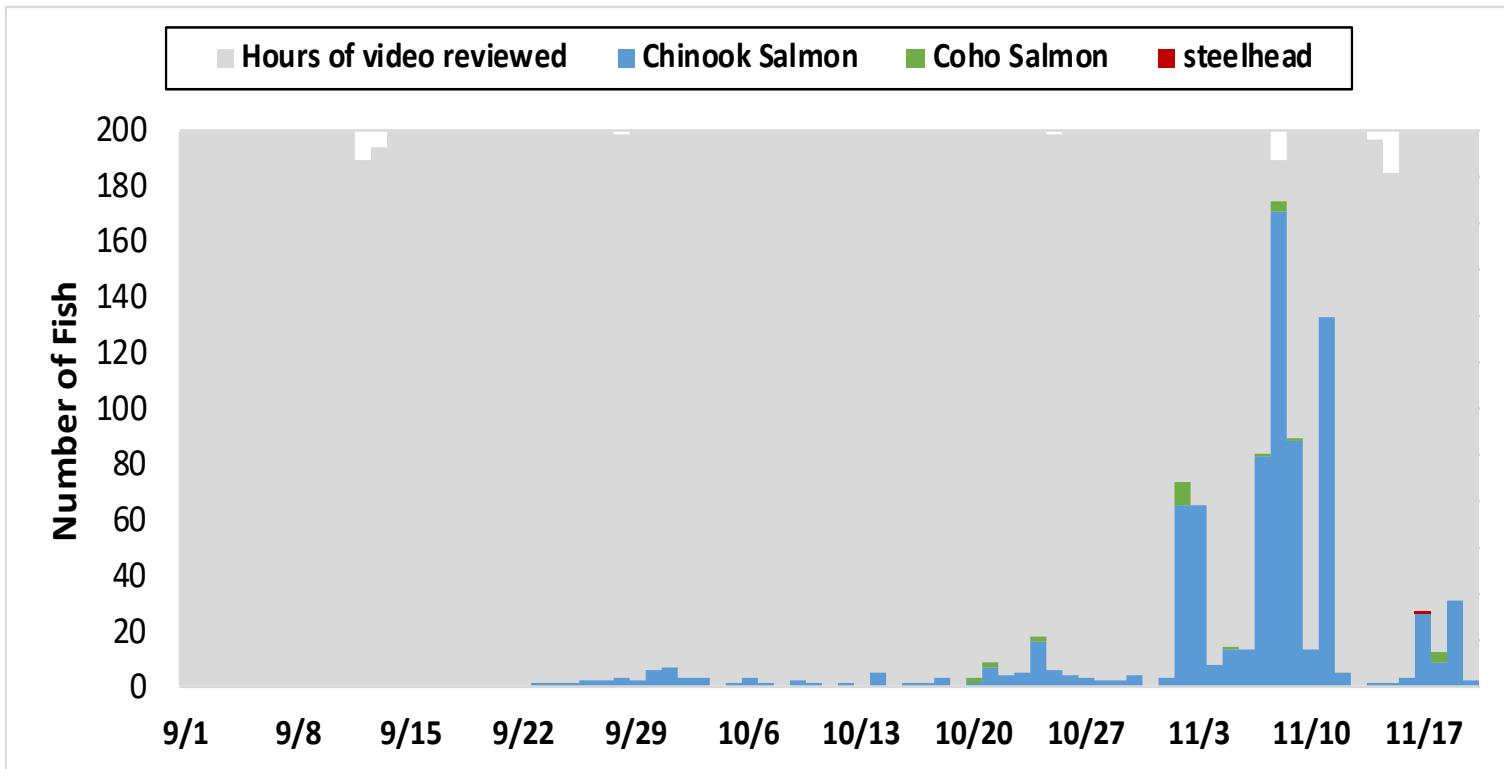


Figure 1. Number of adult salmonids and proportion of each day reviewed for video monitoring data collected at the Mirabel dam, 2022.

Week	<i>Chinook Salmon</i>		<i>Coho Salmon</i>		<i>Steelhead</i>	
	2022	2000-2019 Avg	2022	2000-2019 Avg	2022	2000-2019 Avg
09/01	0	0.05%	0	0.00%	0	0.65%
09/08	0	0.14%	0	0.00%	0	0.65%
09/15	0	0.24%	0	0.10%	0	0.71%
09/22	10	0.59%	0	0.00%	0	0.93%
09/29	22	6.10%	0	0.30%	0	1.30%
10/06	8	3.57%	0	0.61%	0	1.30%
10/13	10	13.30%	0	1.73%	0	2.35%
10/20	43	13.66%	6	3.05%	0	1.42%
10/27	79	17.31%	9	1.12%	0	1.27%
11/03	441	20.08%	7	4.47%	0	2.16%
11/10	156	9.73%	0	8.12%	0	4.88%
11/17	68	7.69%	3	23.45%	1	8.90%
11/24		3.37%		24.77%		14.83%
12/01		2.69%		7.51%		15.17%
12/08		0.74%		9.44%		15.76%
12/15		0.42%		8.83%		15.01%
12/22		0.22%		3.45%		9.24%
12/29		0.09%		3.05%		3.49%

Table 1. Weekly totals of adult salmonids observed on the Mirabel dam video camera.