



**State Water Resources Control Board
 Temporary Urgency Change Order (6/17/2022)
 Russian River Hydrologic Report
 November 25, 2022 - December 1, 2022**

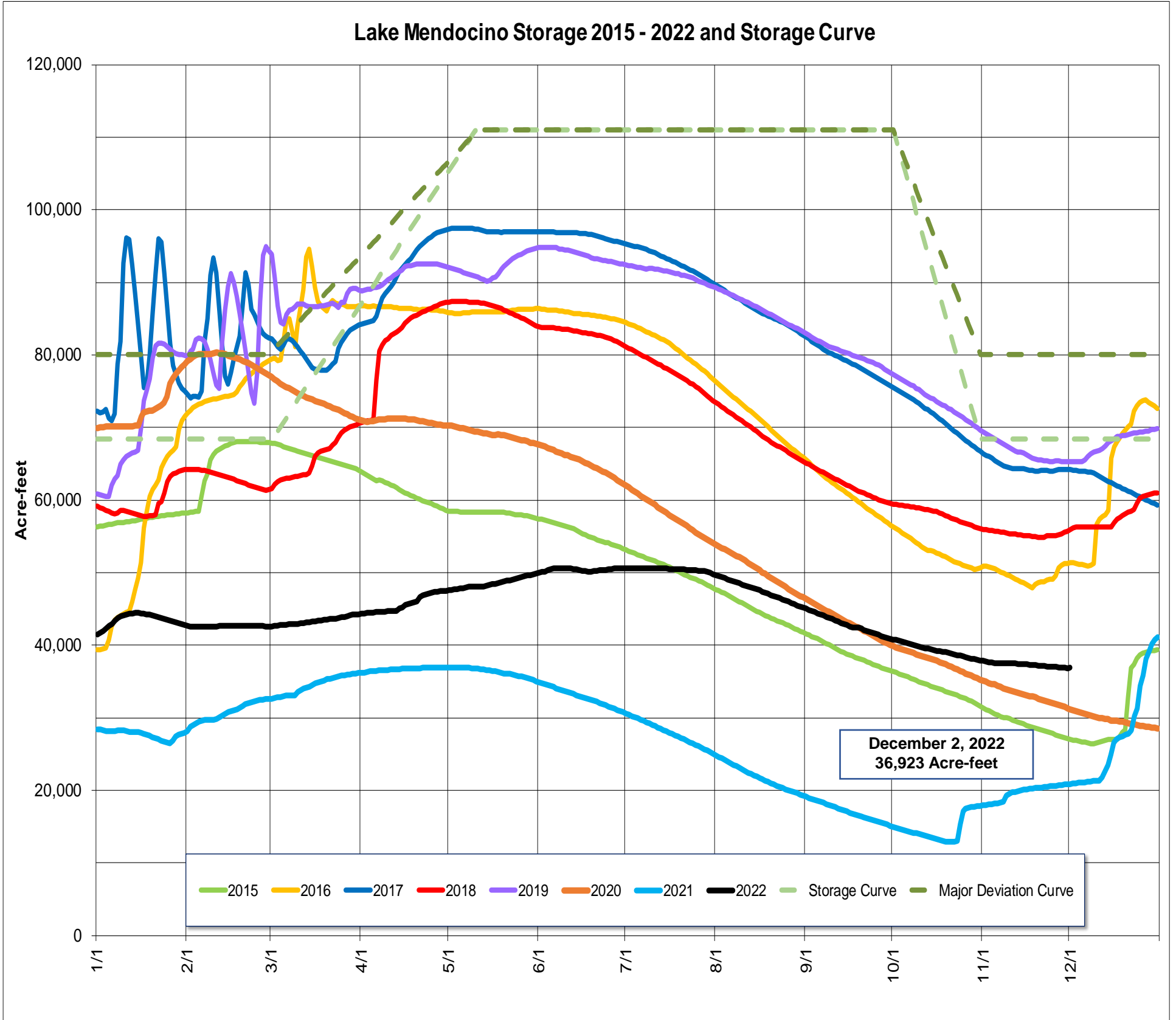
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of December 1, 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

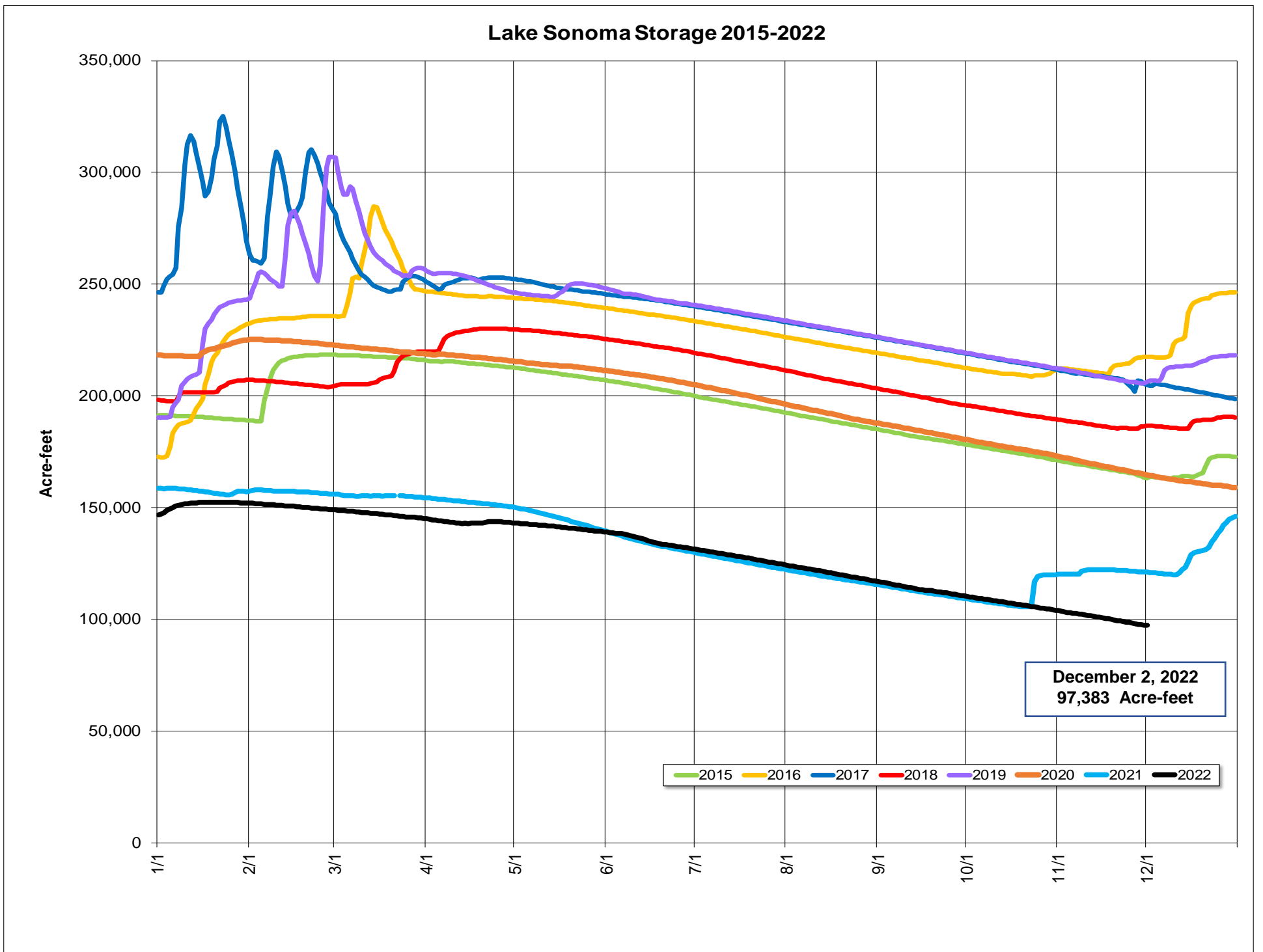


Storage (acre-feet)	December 1, 2022	36,923	
Change in Storage (acre-feet)	Last 30 days	-947	-32
	Last 7 days	-144	-21
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	79
		Mean	23
Release (cfs)	Last 7 days	Min	30
		Max	31
		Mean	31

Lake Sonoma



Nathan Baskett, March 3, 2011



Storage (acre-feet)	December 1, 2022	97,383	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-3,906	-130
	Last 7 days	-1,152	-165
Daily Inflow (cfs)	Last 7 days	Min	0
		Max	123
		Mean	18
Release (cfs)	Last 7 days	Min	107
		Max	108
		Mean	107

Potter Valley Project

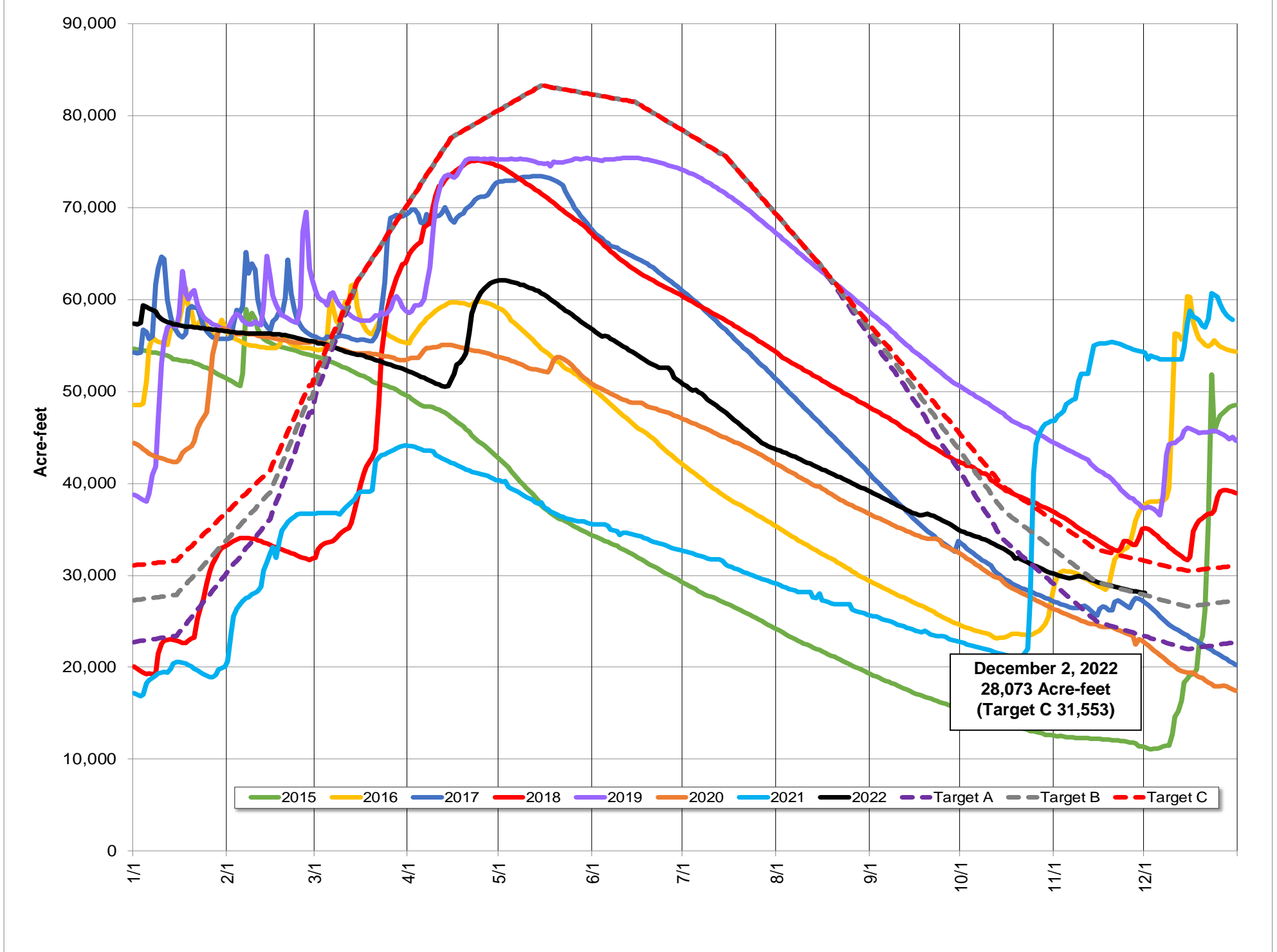
PVP Diversion (cfs)	December 1, 2022	12
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - December 1, 2022	4,389	71
	Last 7 days	214	31

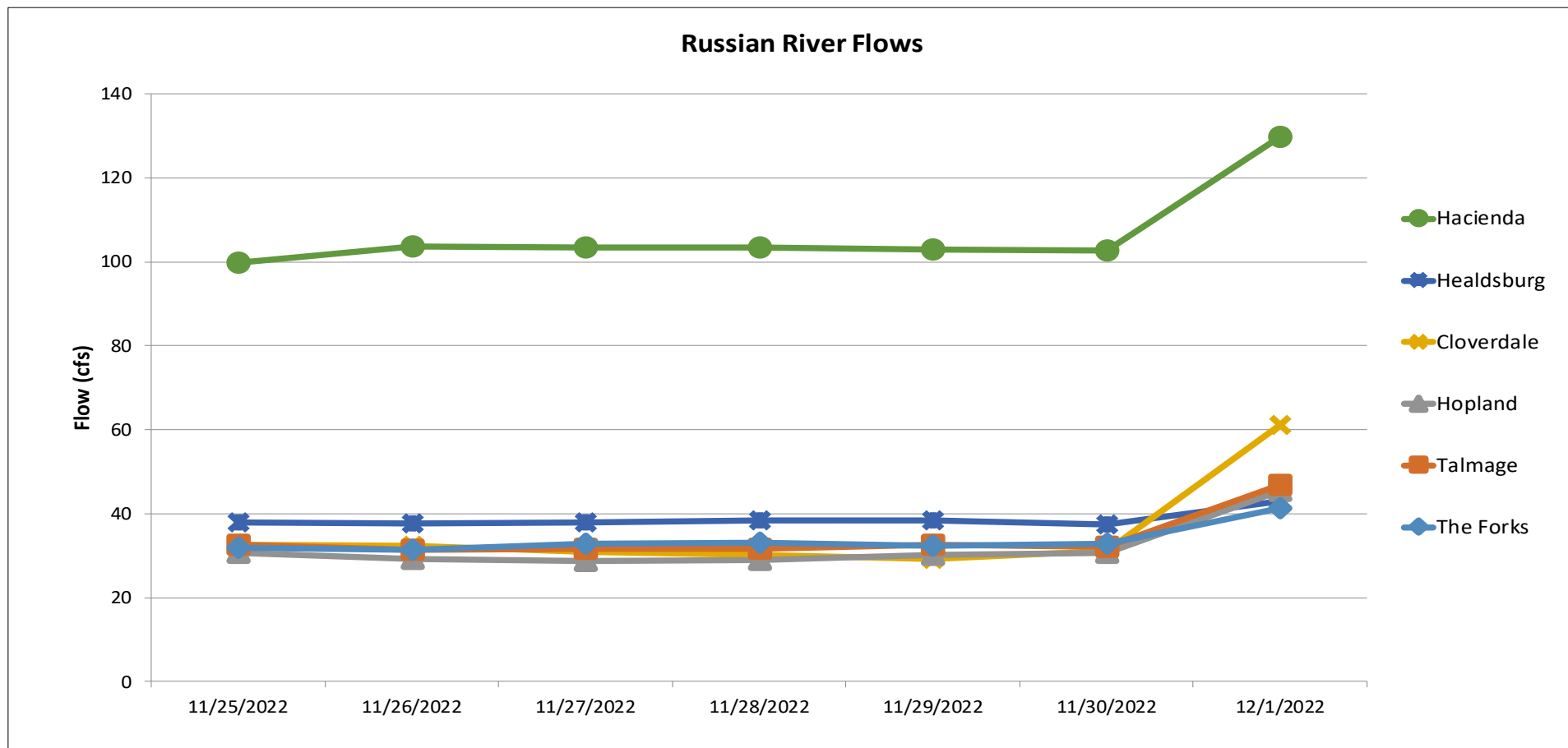
*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2015-2022 and Target Storage Scenarios

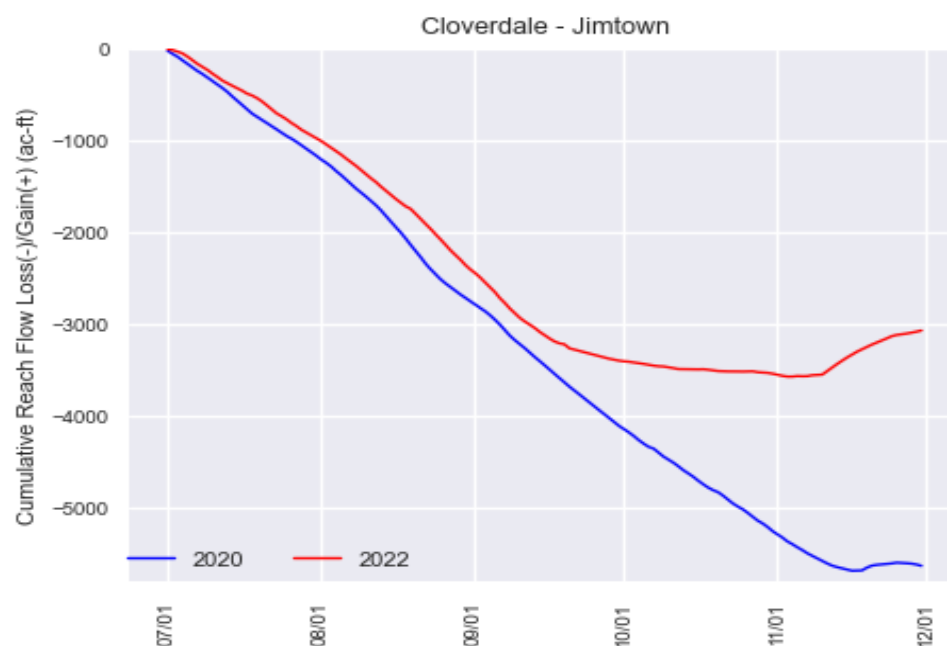
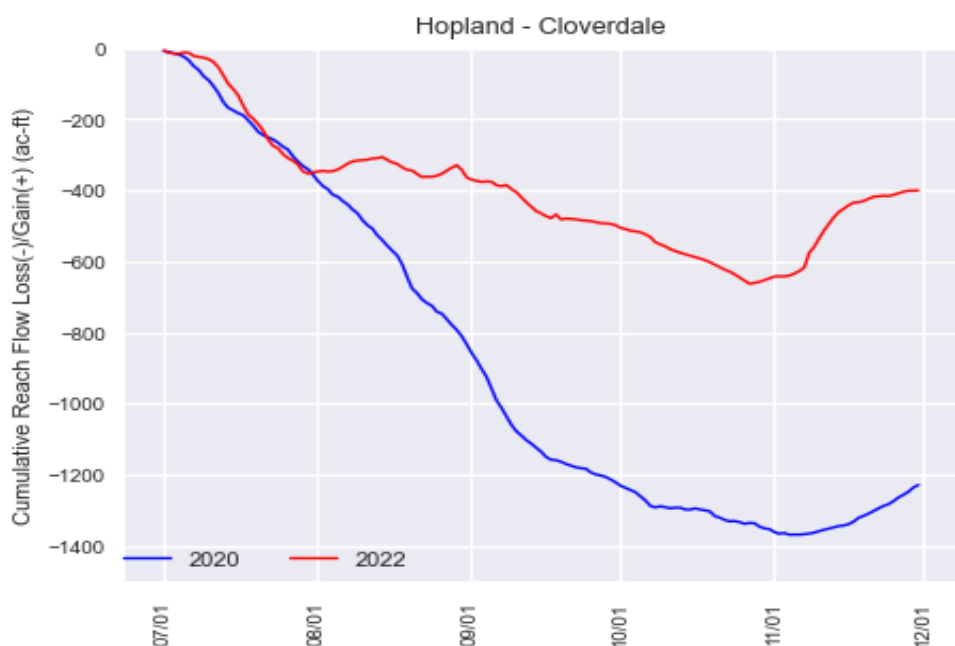
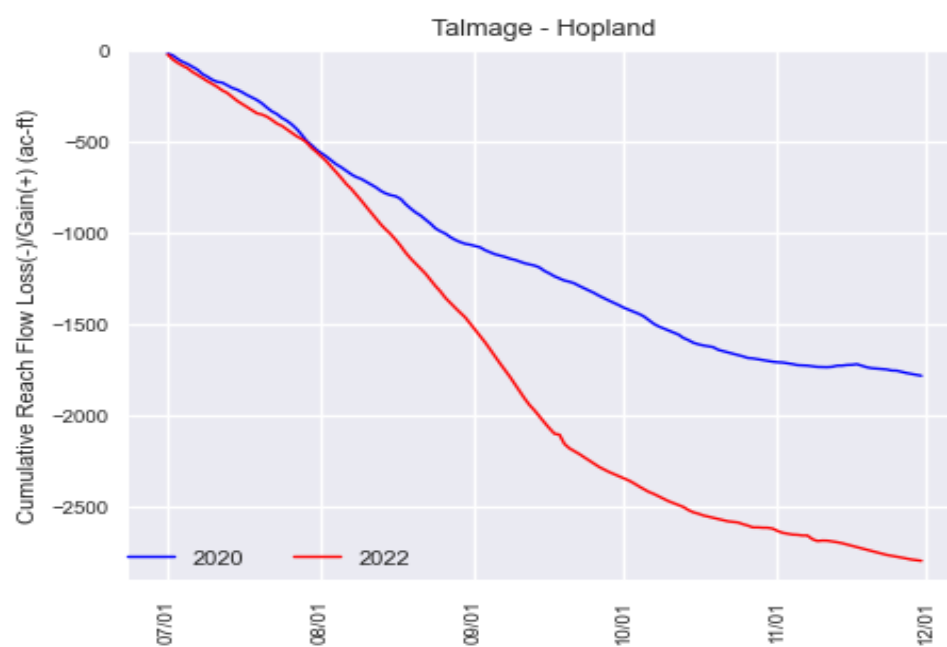
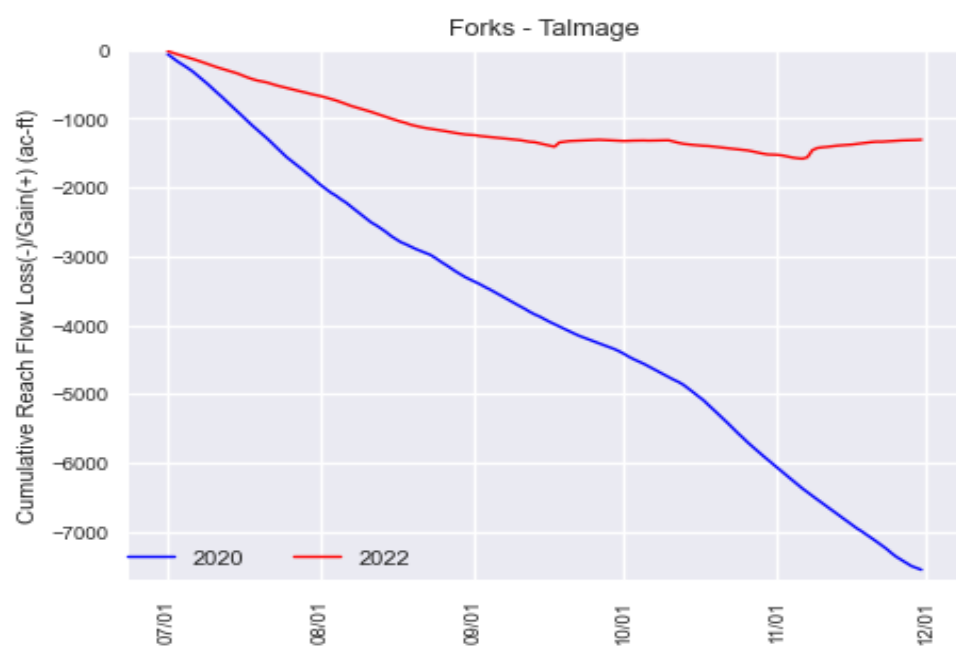


Gage	24-hr Average Flow (cfs)						
	Nov 25, 2022	Nov 26, 2022	Nov 27, 2022	Nov 28, 2022	Nov 29, 2022	Nov 30, 2022	Dec 1, 2022
The Forks*	32	31	33	33	32	33	41
Talmage USGS 11462080	33	31	32	32	33	32	47
Hopland USGS 11462500	31	29	29	29	30	31	45
Cloverdale USGS 11463000	32	32	31	30	29	31	61
Healdsburg USGS 11464000	38	38	38	38	38	37	43
Hacienda USGS 11467000	100	104	104	103	103	103	130

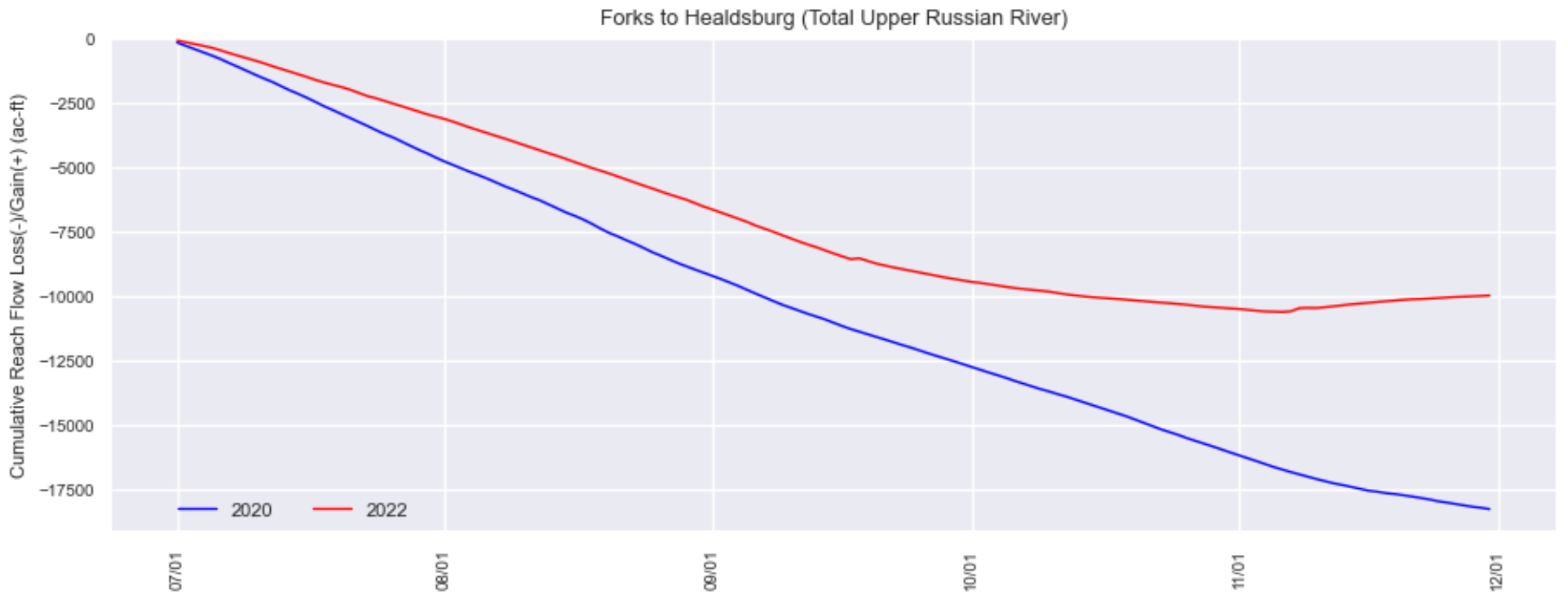
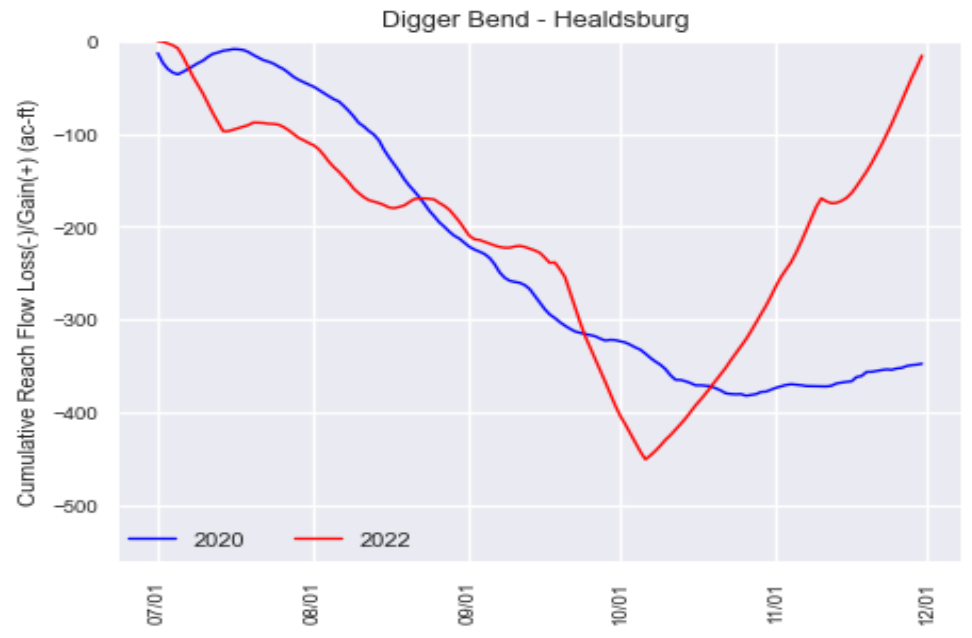
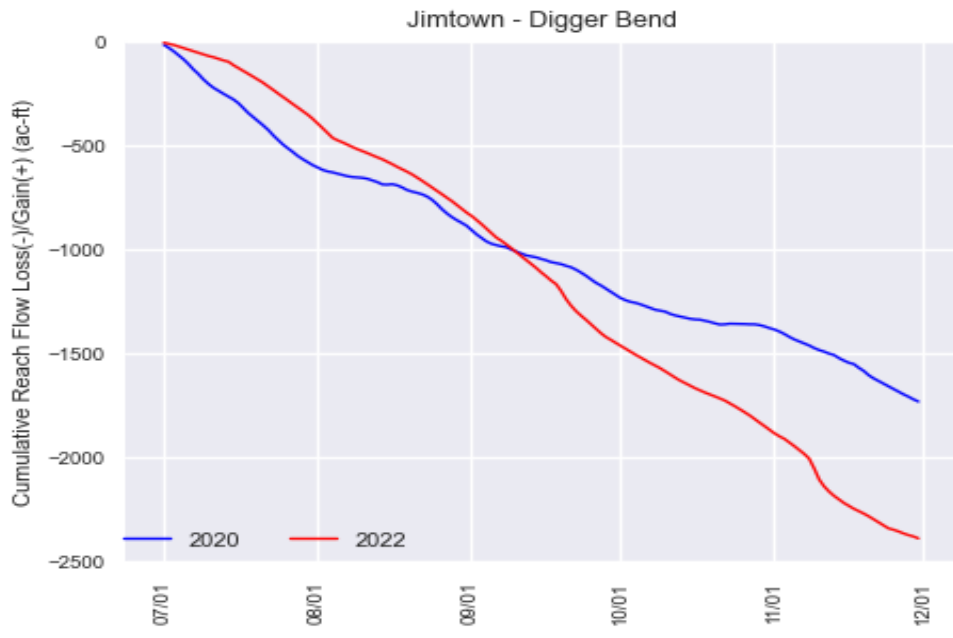
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Upper Russian River Flow Gain/Loss (July 1, 2022 - December 01, 2022)



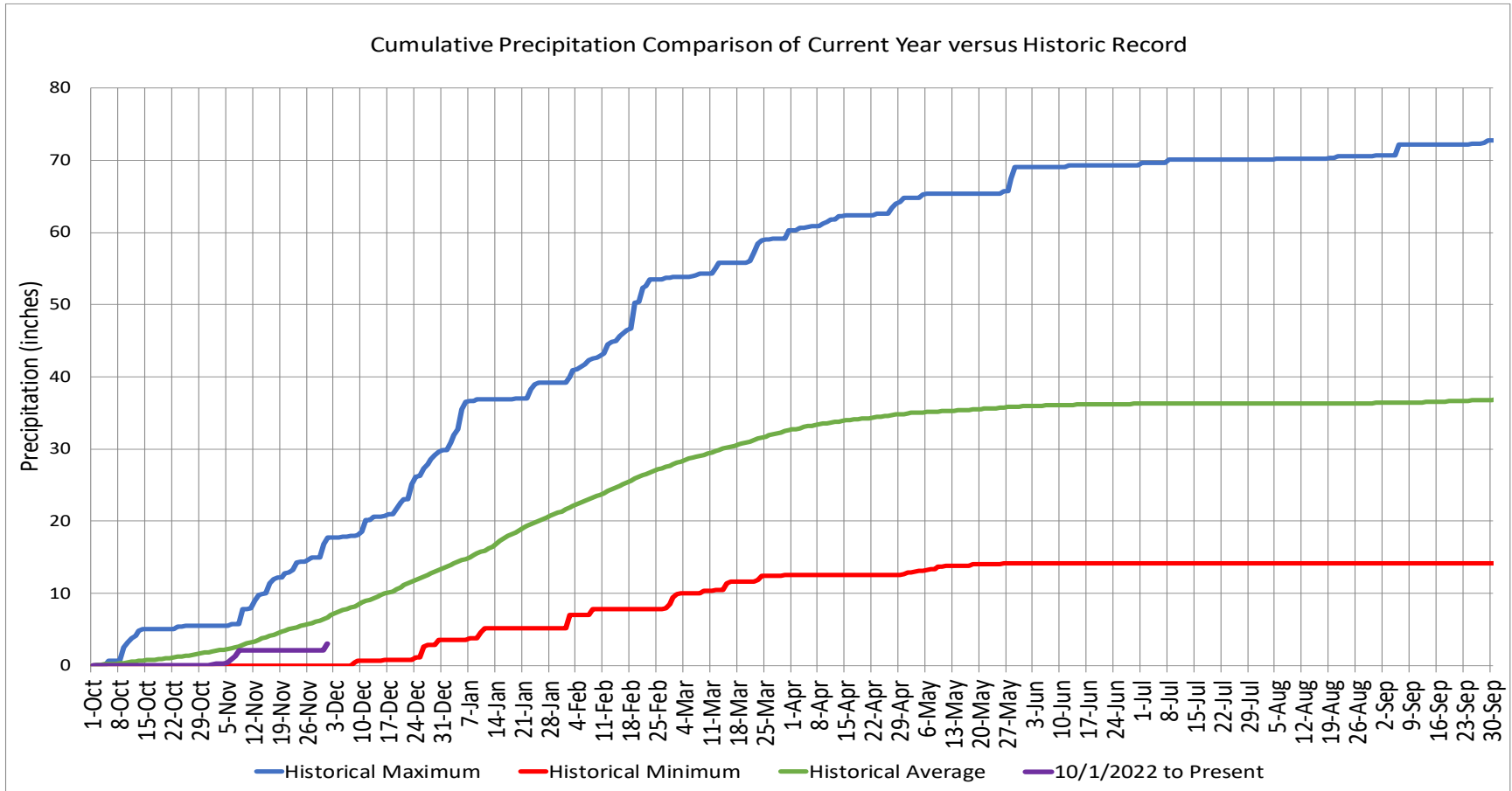
Upper Russian River Flow Gain/Loss (July 1, 2022 - December 01, 2022)



Precipitation

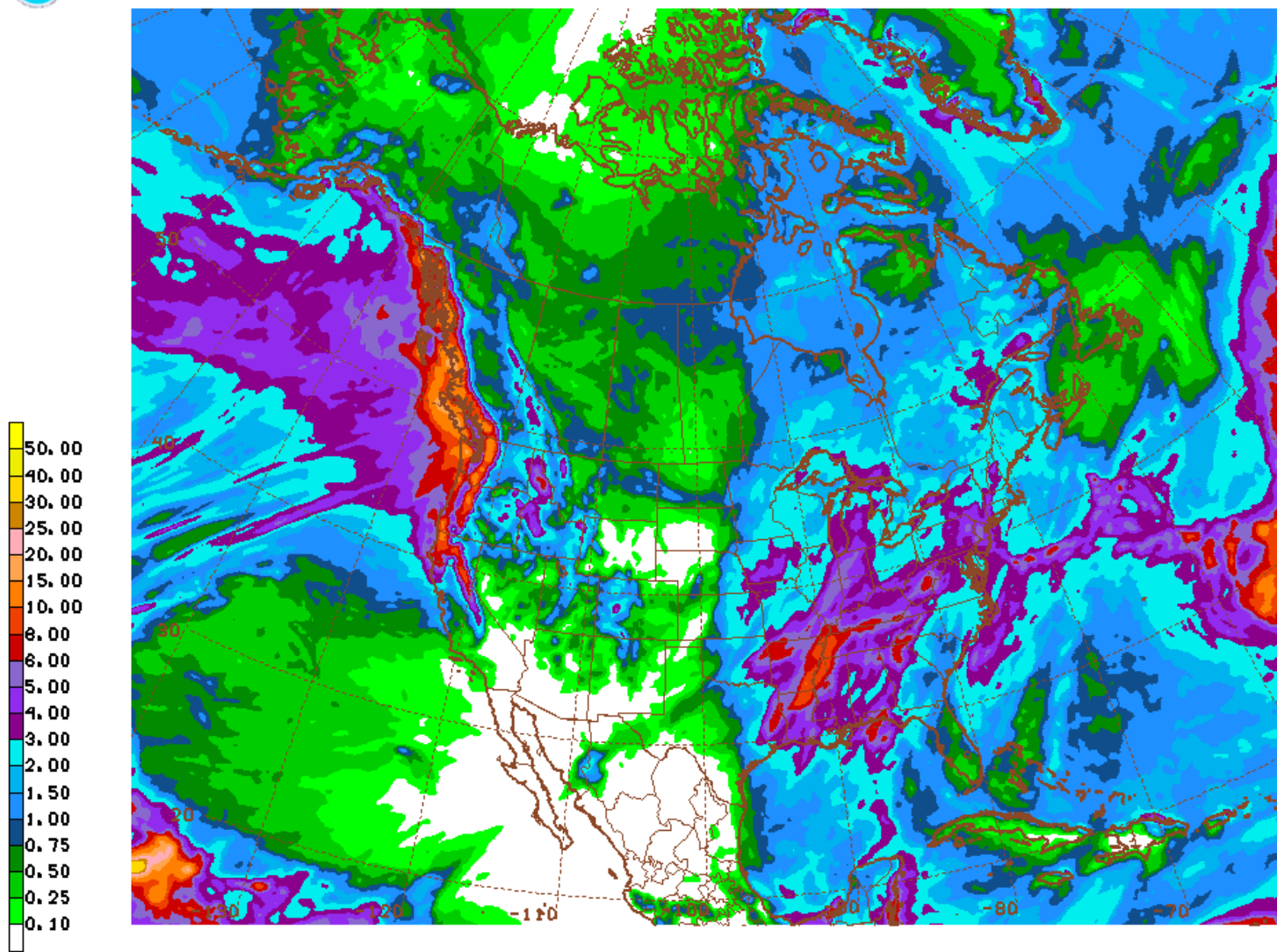
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

Date Range	Cumulative (inches)
Oct 1, 2022 - Dec 1, 2022	3
Last 7 Days*	0.86



Global Forecast System Model 16-day Cumulative Precipitation Forecast

GFS 12/05/22 12UTC 384HR FCST VALID WED 12/21/22 12UTC NOAA/NWS/NCEP



GFS WED 221221/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range
Dec 5 - Dec 21, 2022

Forecasted Cumulative (inches)
3.73

Russian River Fisheries Monitoring

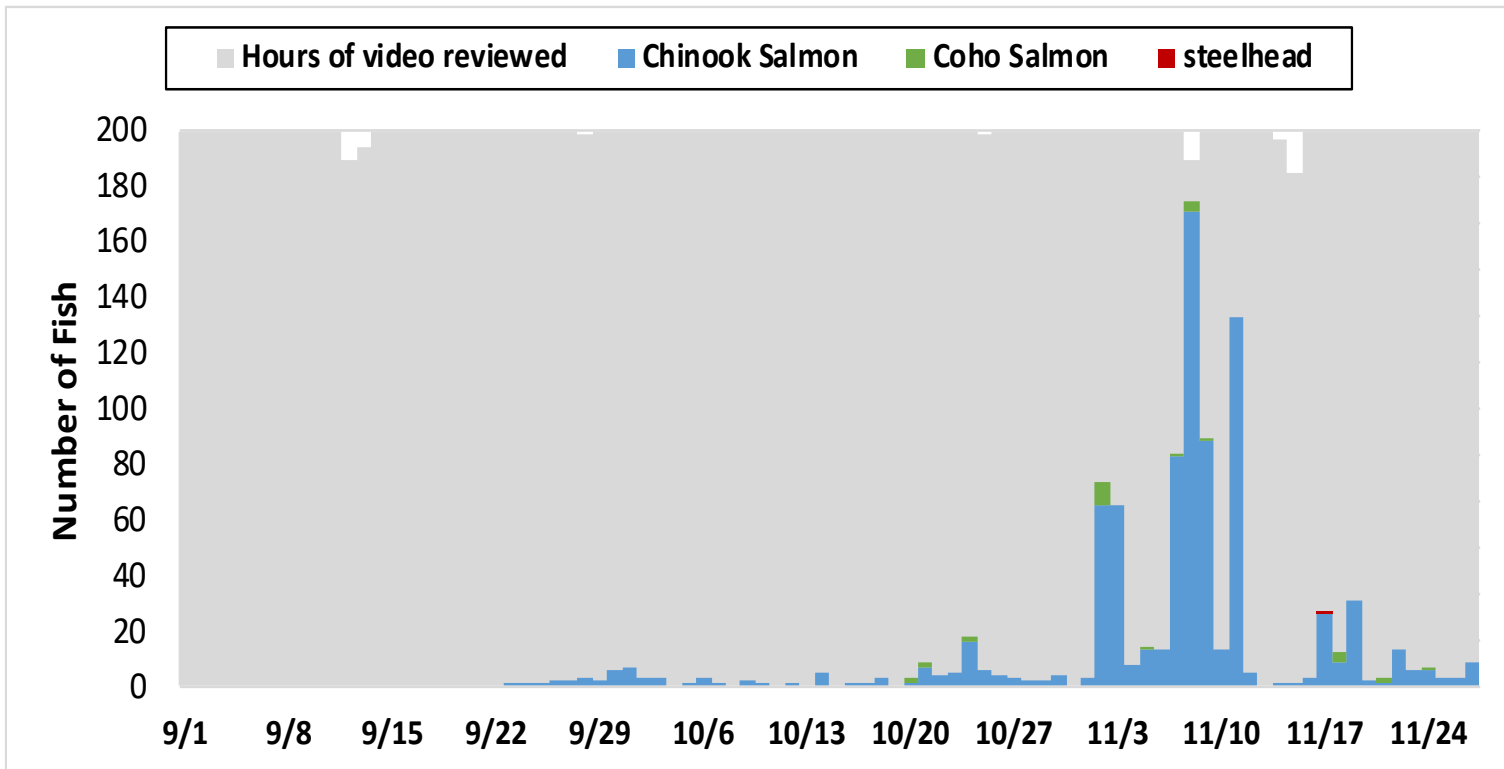


Figure 1. Number of adult salmonids and proportion of each day reviewed for video monitoring data collected at the Mirabel dam, 2022.

Week	Chinook Salmon		Coho Salmon		Steelhead	
	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	88	7.69%	5	23.45%	1	8.90%
11/24	21	3.37%	1	24.77%	0	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.