State Water Resources Control Board
Temporary Urgency Change Order (6/17/2022)

Russian River Hydrologic Report
November 11, 2022 - November 17, 2022

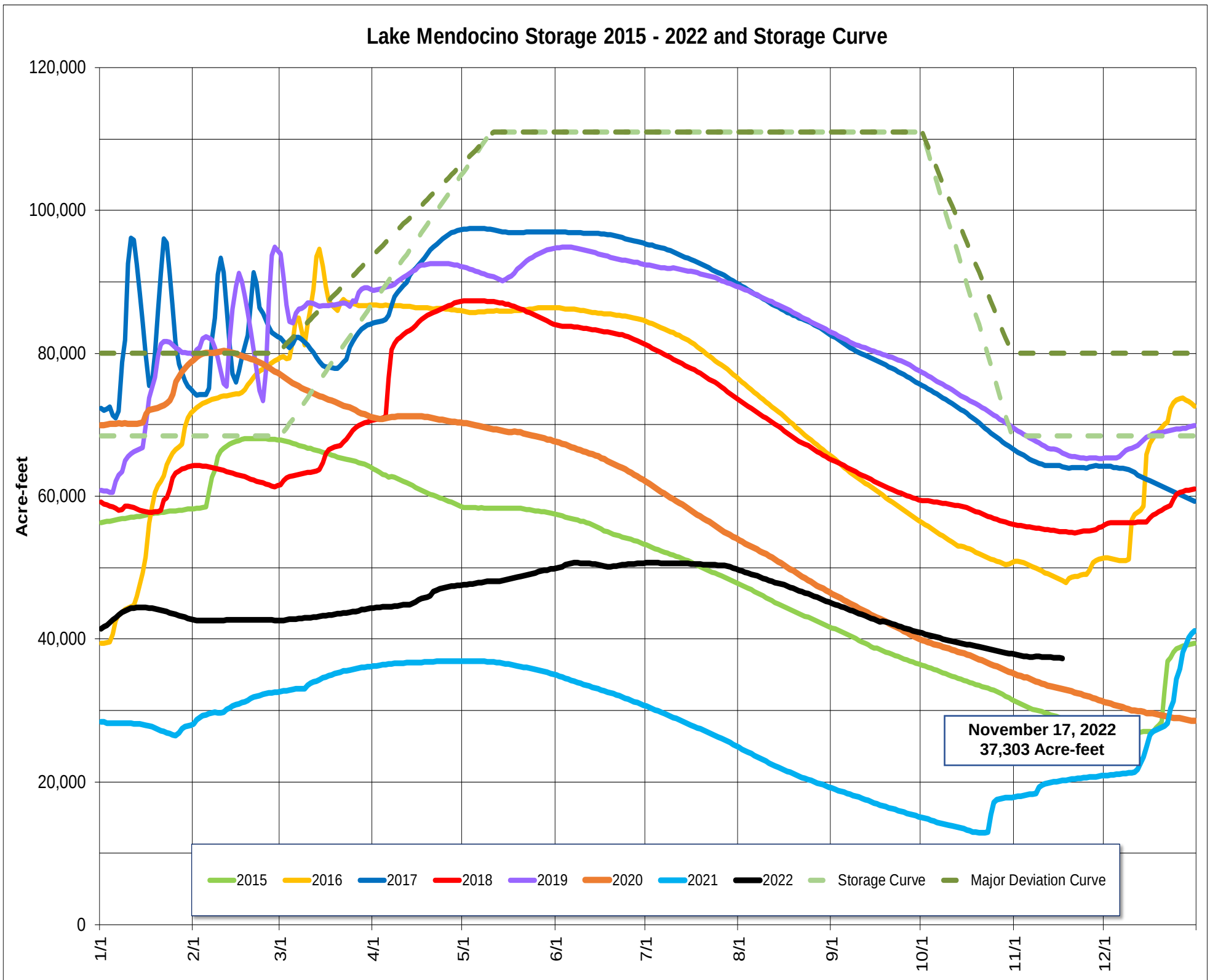
Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of November 17, 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.

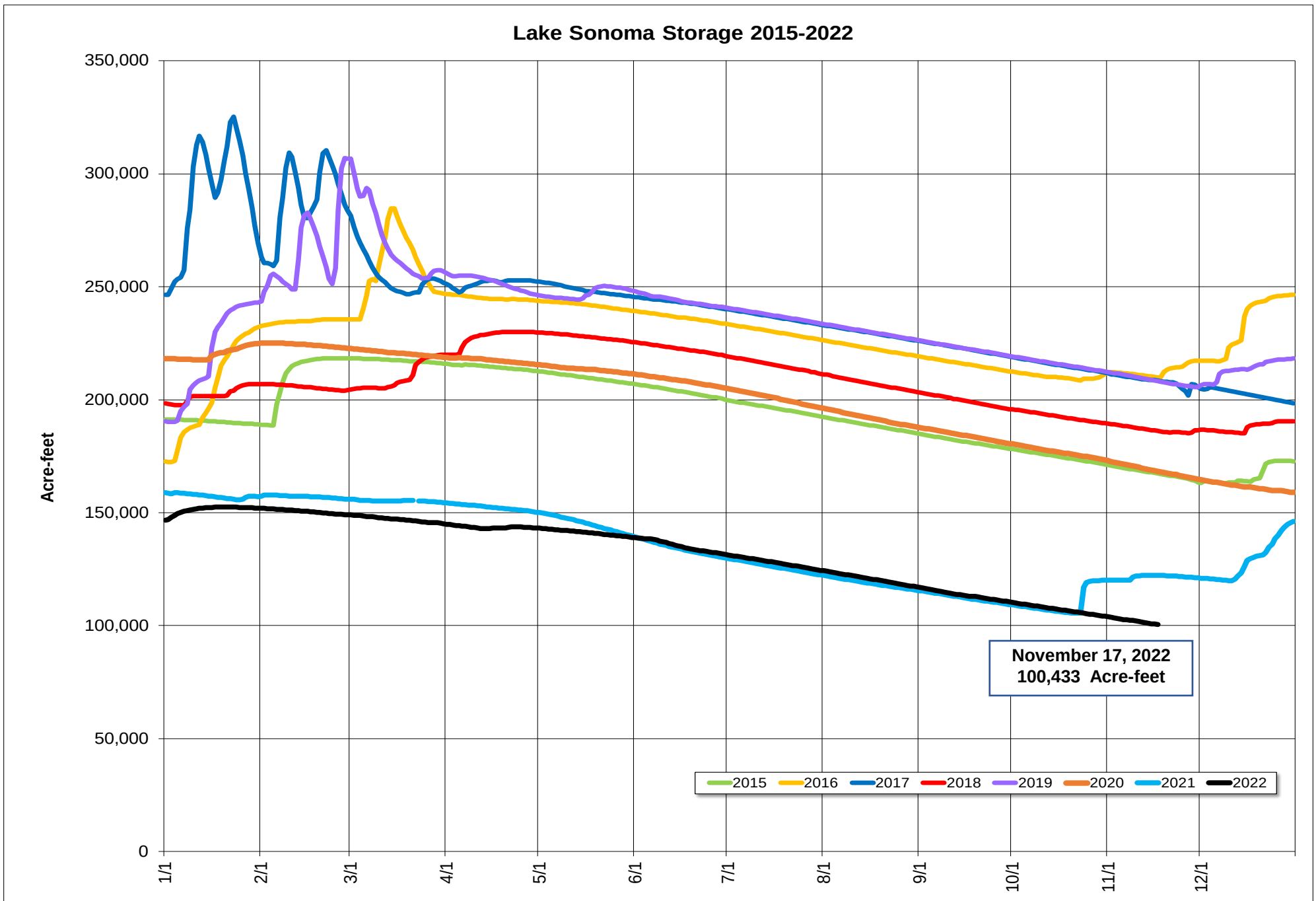
Lake Mendocino



Storage (acre-feet)	November 17, 2022	**37,303**	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	**-1,811**	**-60**
	Last 7 days	**-211**	**-30**
Daily Inflow (cfs)	Last 7 days	Min	**11**
		Max	**24**
		Mean	**17**
Release (cfs)	Last 7 days	Min	**27**
		Max	**31**
		Mean	**28**

Lake Sonoma

Nathan Baskett, March 3 , 2011



Storage (acre-feet)	November 17, 2022	**100,433**	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	**-5,416**	**-181**
	Last 7 days	**-1,395**	**-199**
Daily Inflow (cfs)	Last 7 days	Min	**0**
		Max	**0**
		Mean	**0**
Release (cfs)	Last 7 days	Min	**105**
		Max	**111**
		Mean	**106**

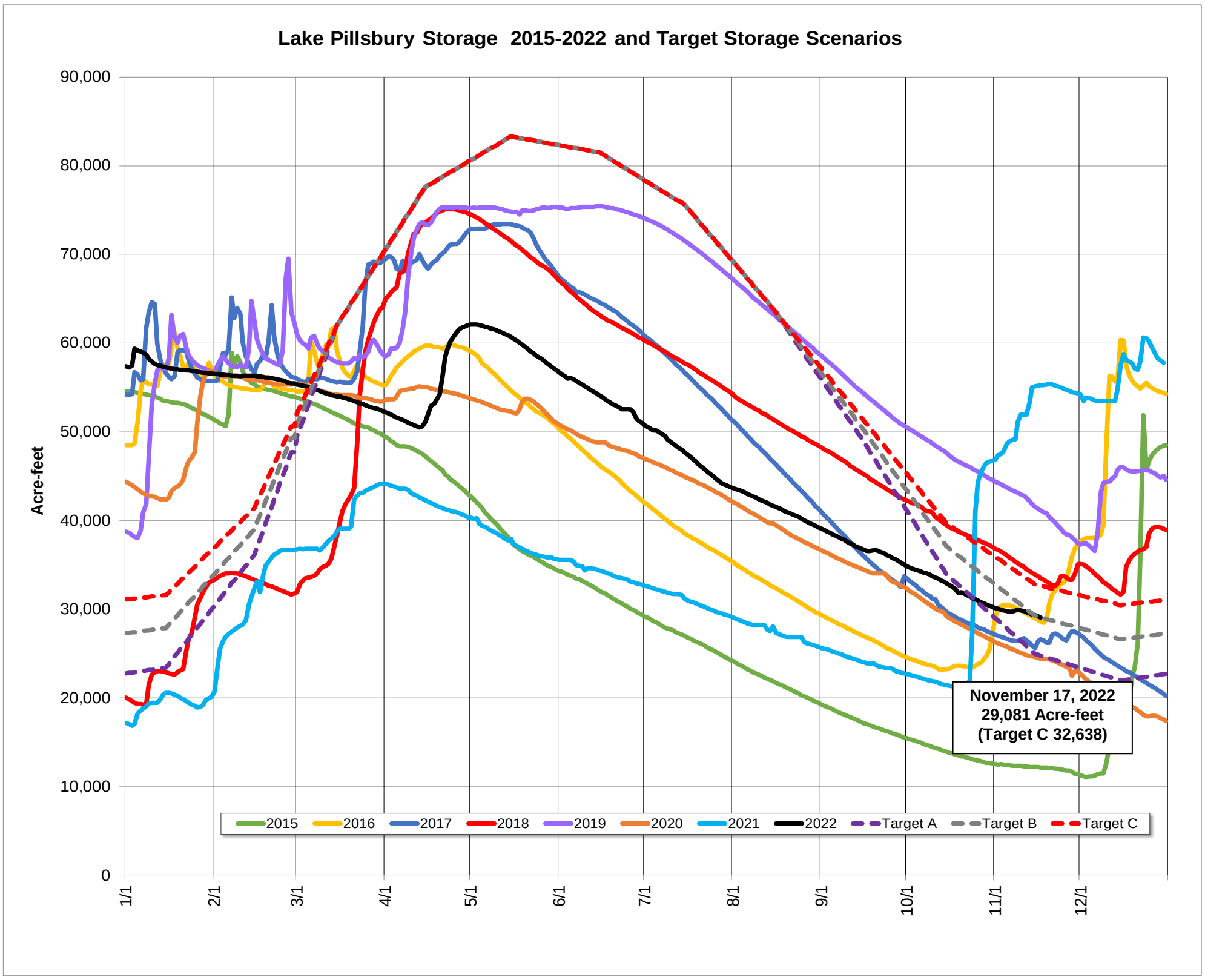
Potter Valley Project

PVP Diversion (cfs)	November 17, 2022	**12**

Lake Pillsbury

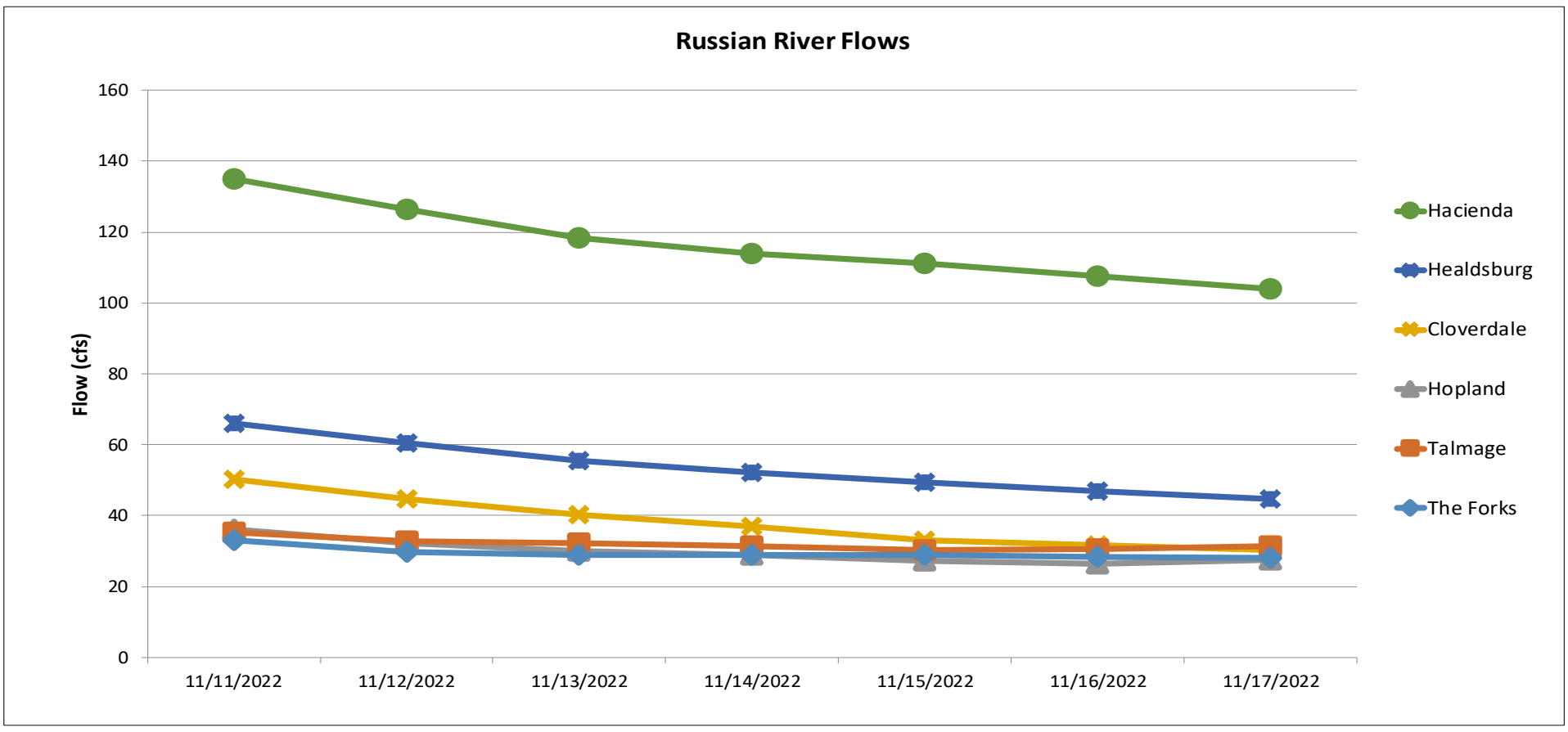
Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - November 17, 2022	**3,056**	**64**
	Last 7 days	**214**	**31**

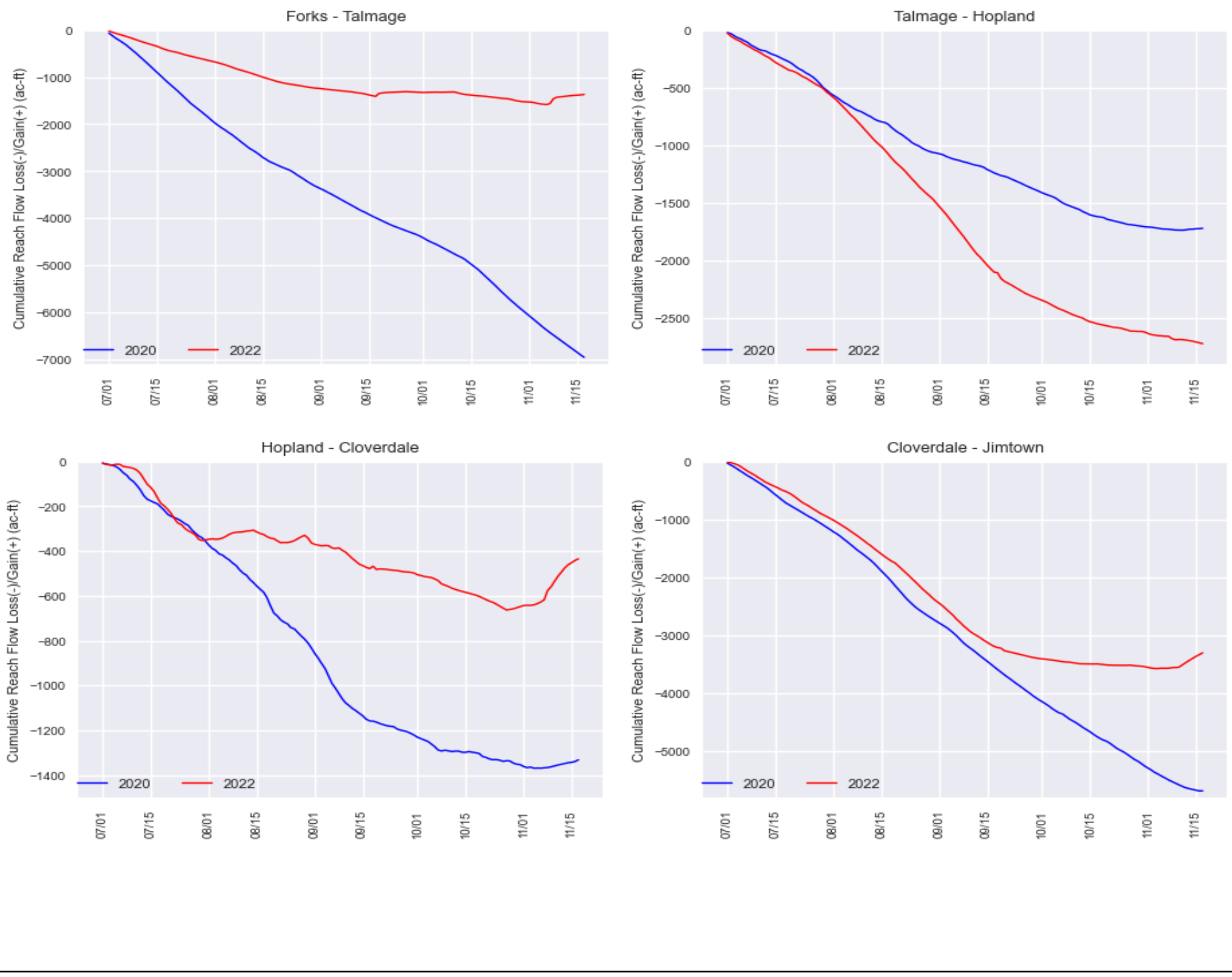
*Inflow calculation based on criteria established in D1610



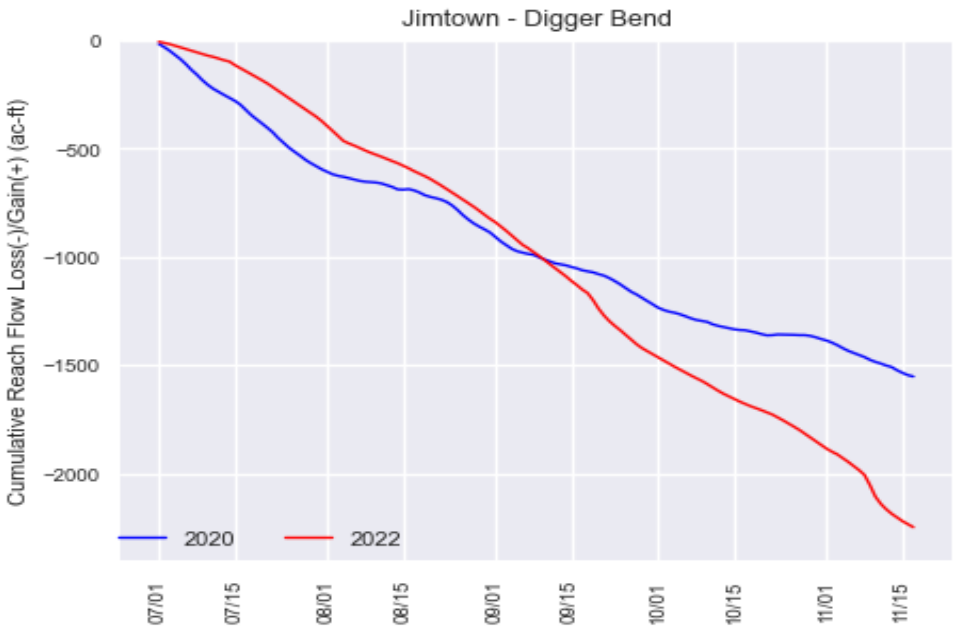
Gage	24-hr Average Flow (cfs)						
	Nov 11, 2022	Nov 12, 2022	Nov 13, 2022	Nov 14, 2022	Nov 15, 2022	Nov 16, 2022	Nov 17, 2022
The Forks*	33	30	29	29	29	28	28
Talmage USGS 11462080	35	33	32	31	30	30	32
Hopland USGS 11462500	36	32	30	29	27	26	27
Cloverdale USGS 11463000	50	45	40	37	33	32	30
Healdsburg USGS 11464000	66	60	55	52	49	47	45
Hacienda USGS 11467000	135	126	118	114	111	107	104

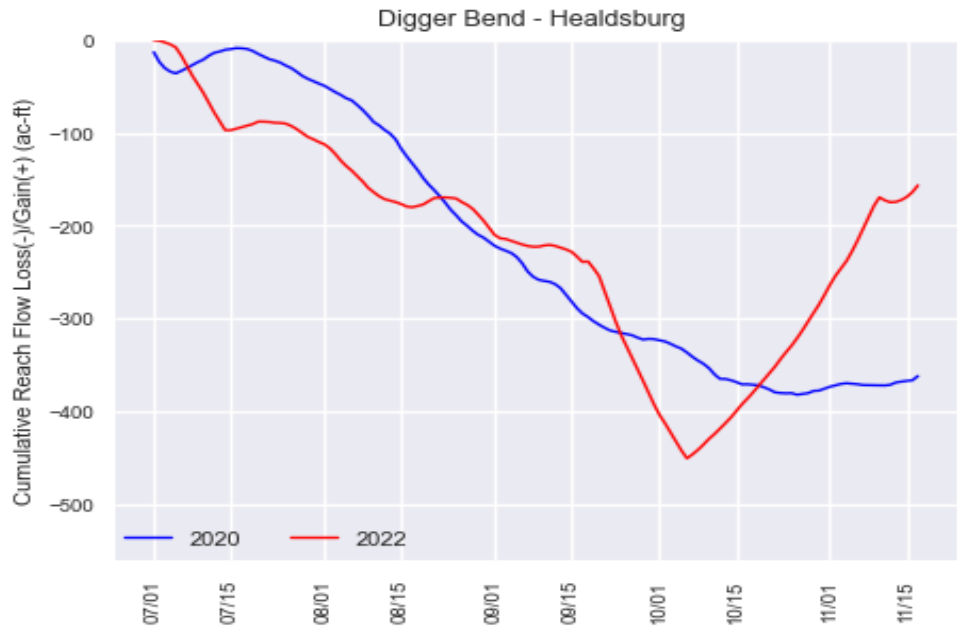
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

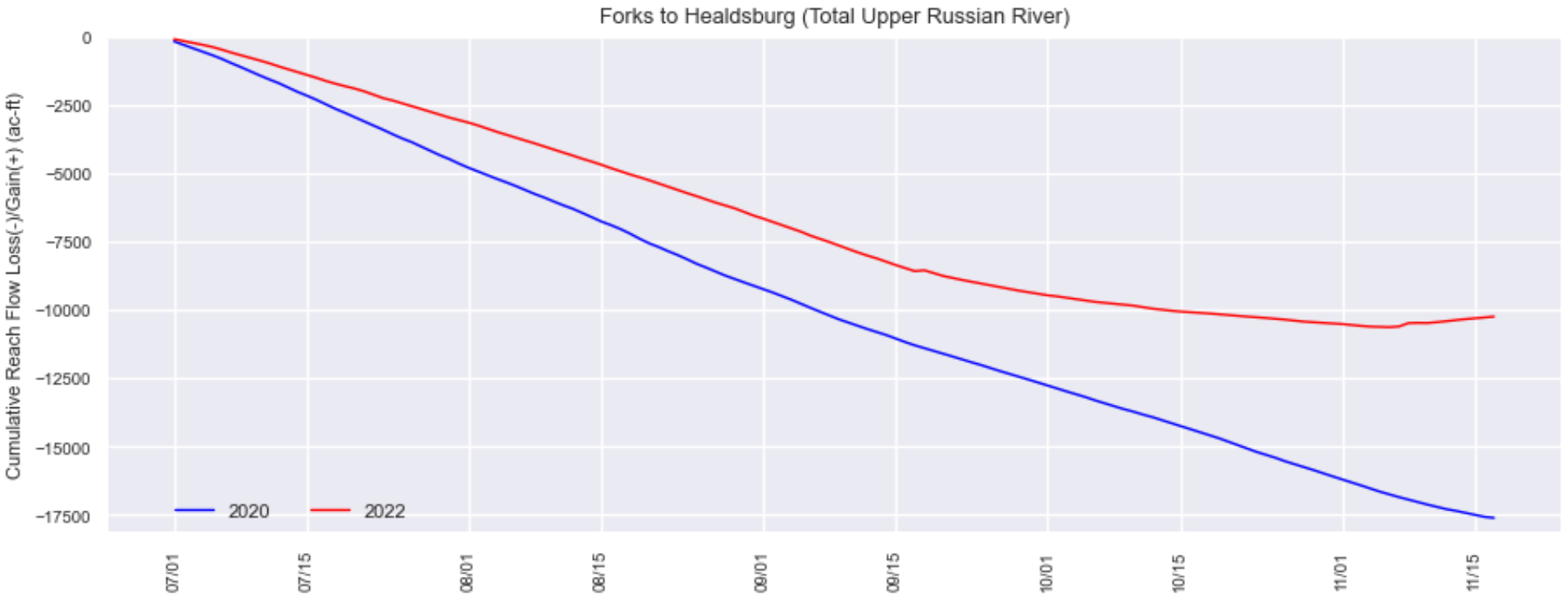




Upper Russian River Flow Gain/Loss (July 1, 2022 - November 17, 2022)

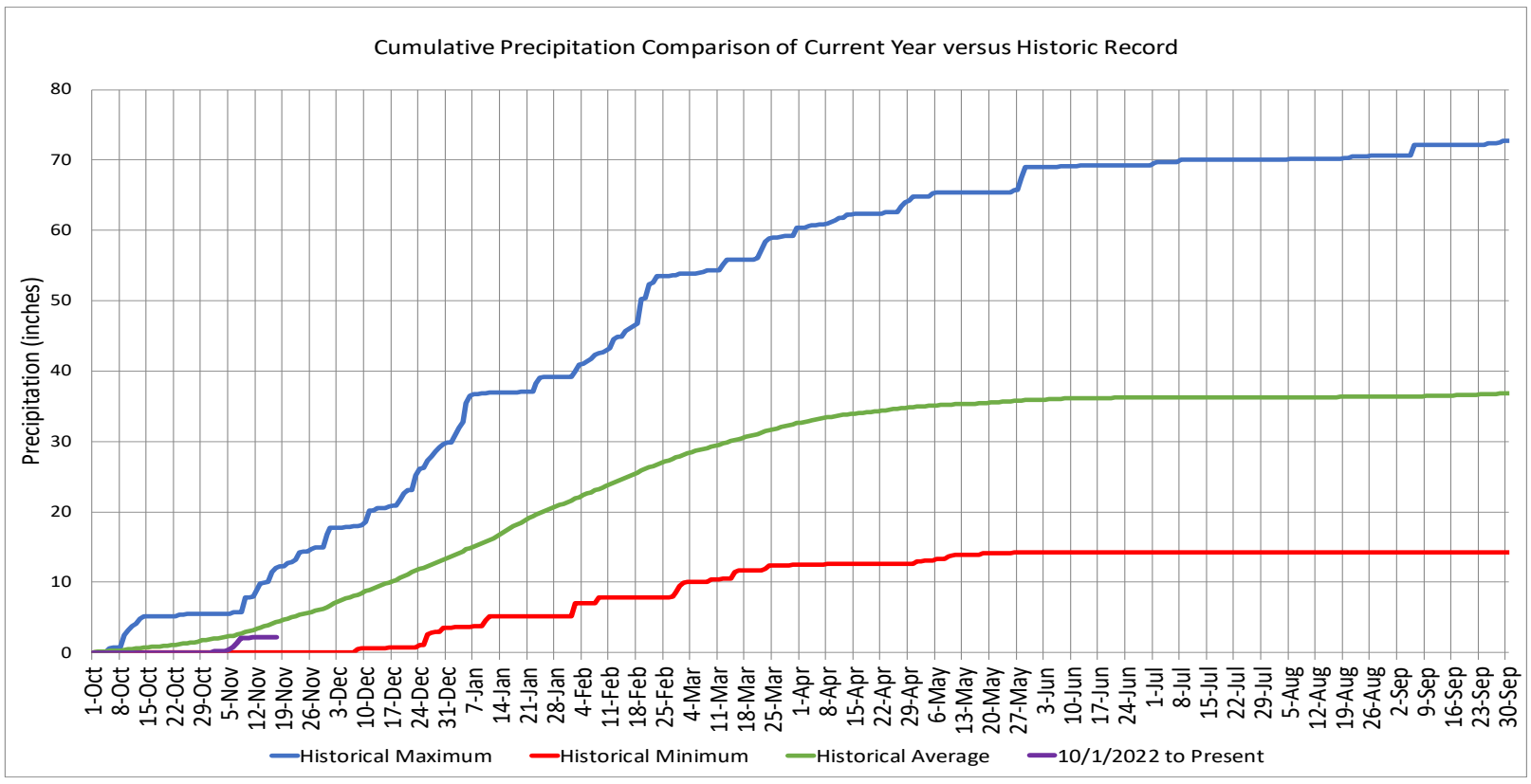




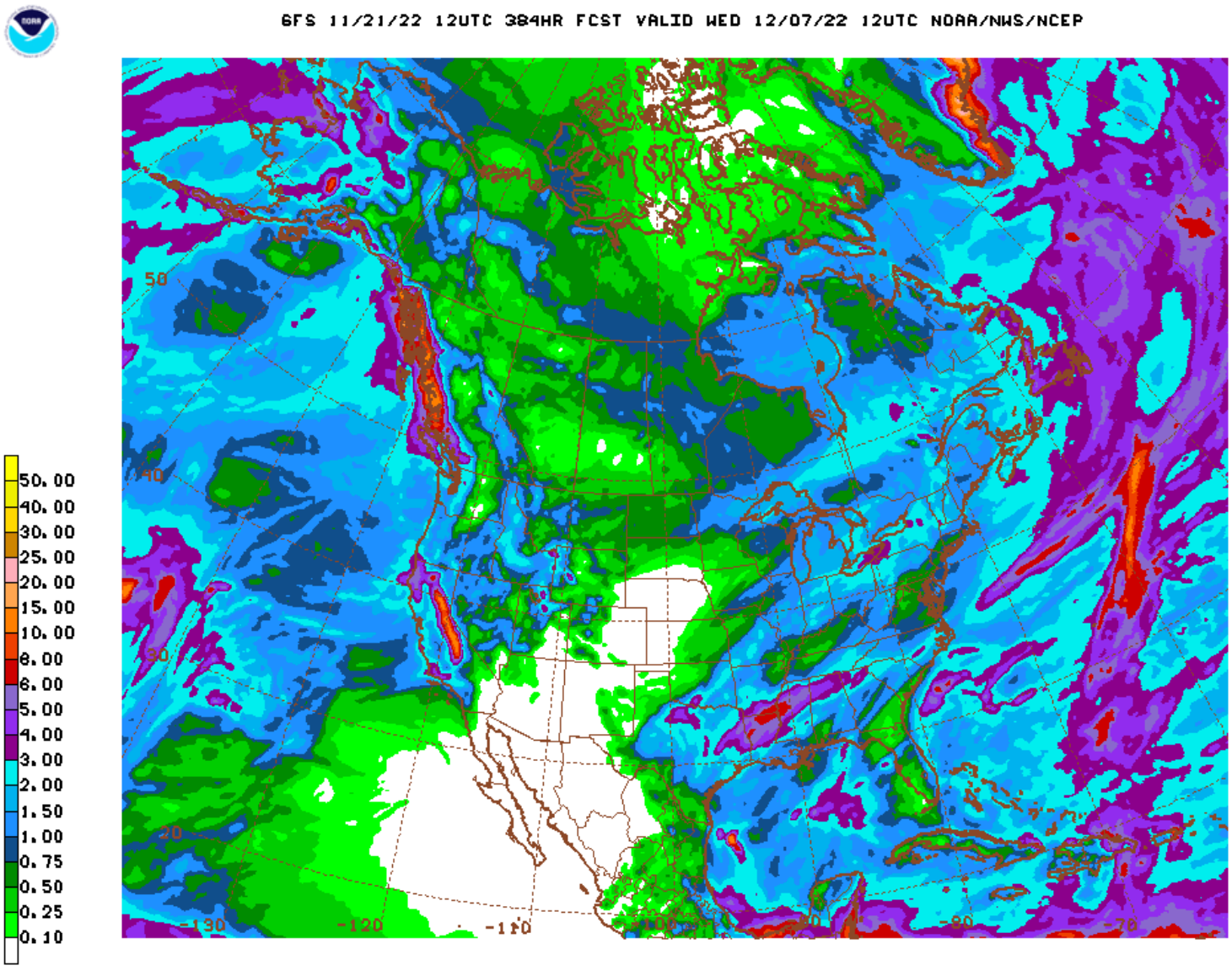


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2022 - Nov 17, 2022	**2.14**
Last 7 Days*	**0.02**



Global Forecast System Model 16-day Cumulative Precipitation Forecast



Date Range	Forecasted Cumulative (inches)
Nov 21 - Dec 7, 2022	**2.37**

Russian River Fisheries Monitoring

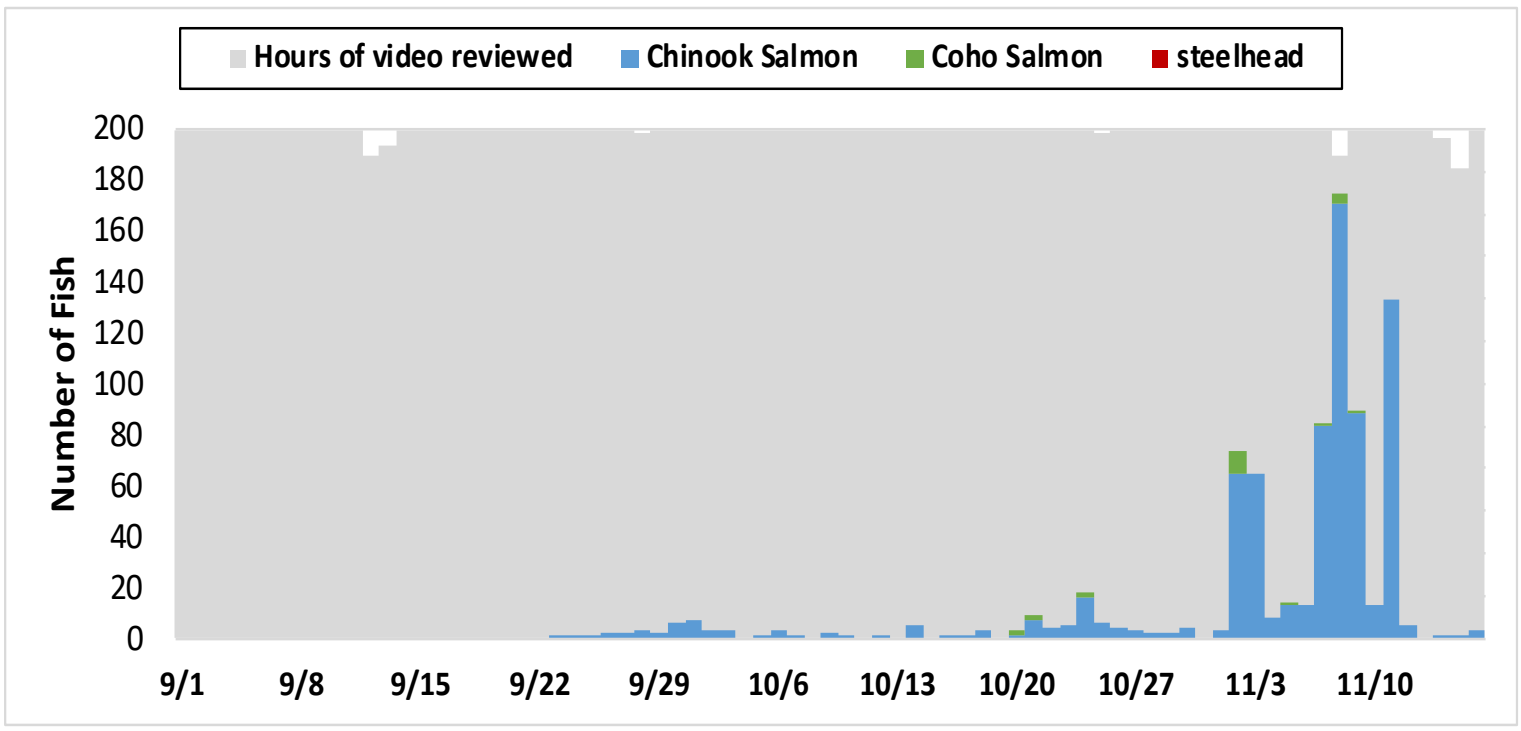


Figure 1. Number of adult salmonids and proportion of each day reviewed for video monitoring data collected at the Mirabel dam, 2022.

	Chinook Salmon		*Coho Salmon*		*Steelhead*	
Week	**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	152	9.73%	0	8.12%	0	4.88%
11/17		7.69%		23.45%		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.