



Sonoma Water

**State Water Resources Control Board
 Temporary Urgency Change Order (6/14/2021)
 Russian River Hydrologic Report
 December 3, 2021 - December 9, 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).

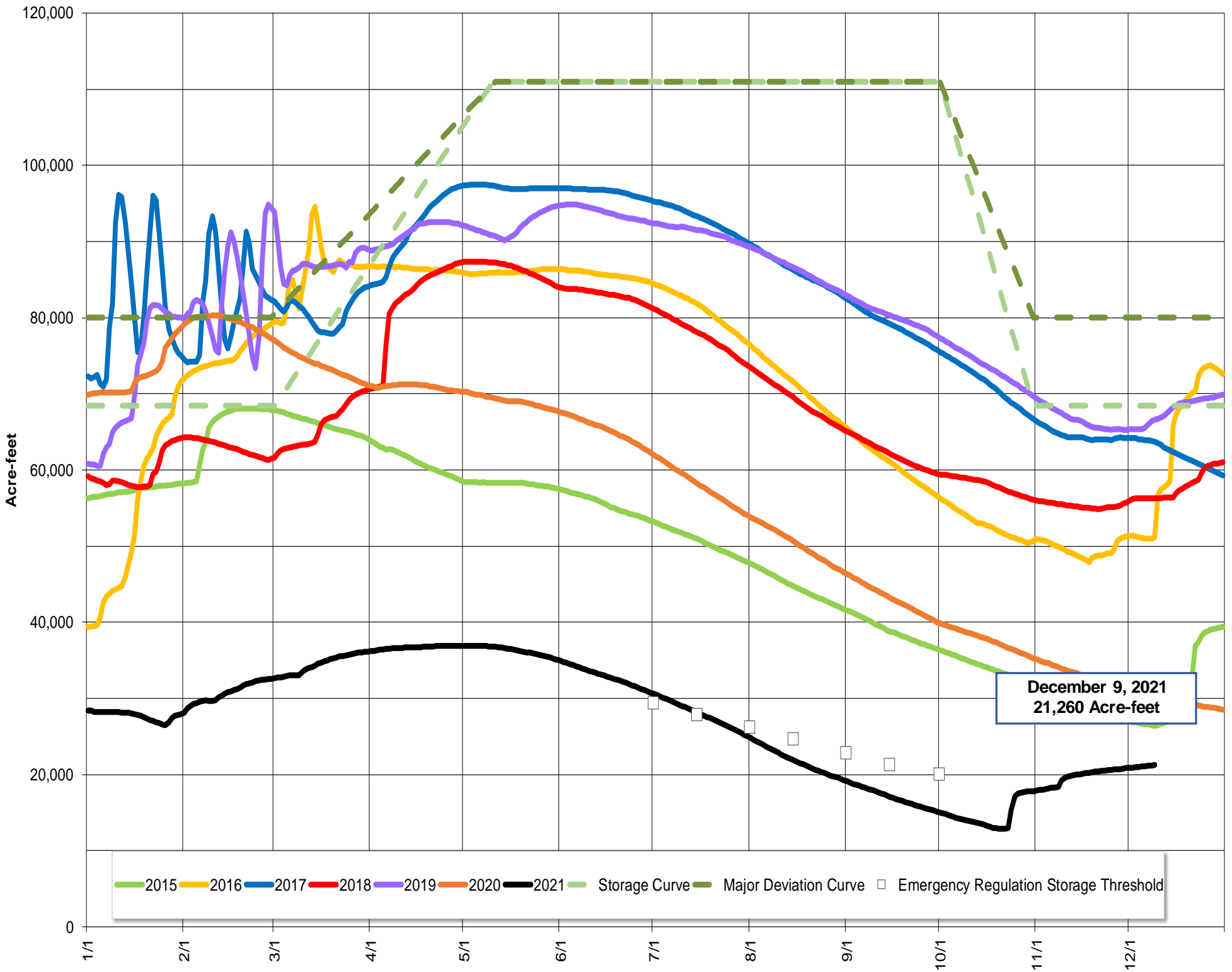
Instream Flow Requirements as of December 9, 2021

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

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

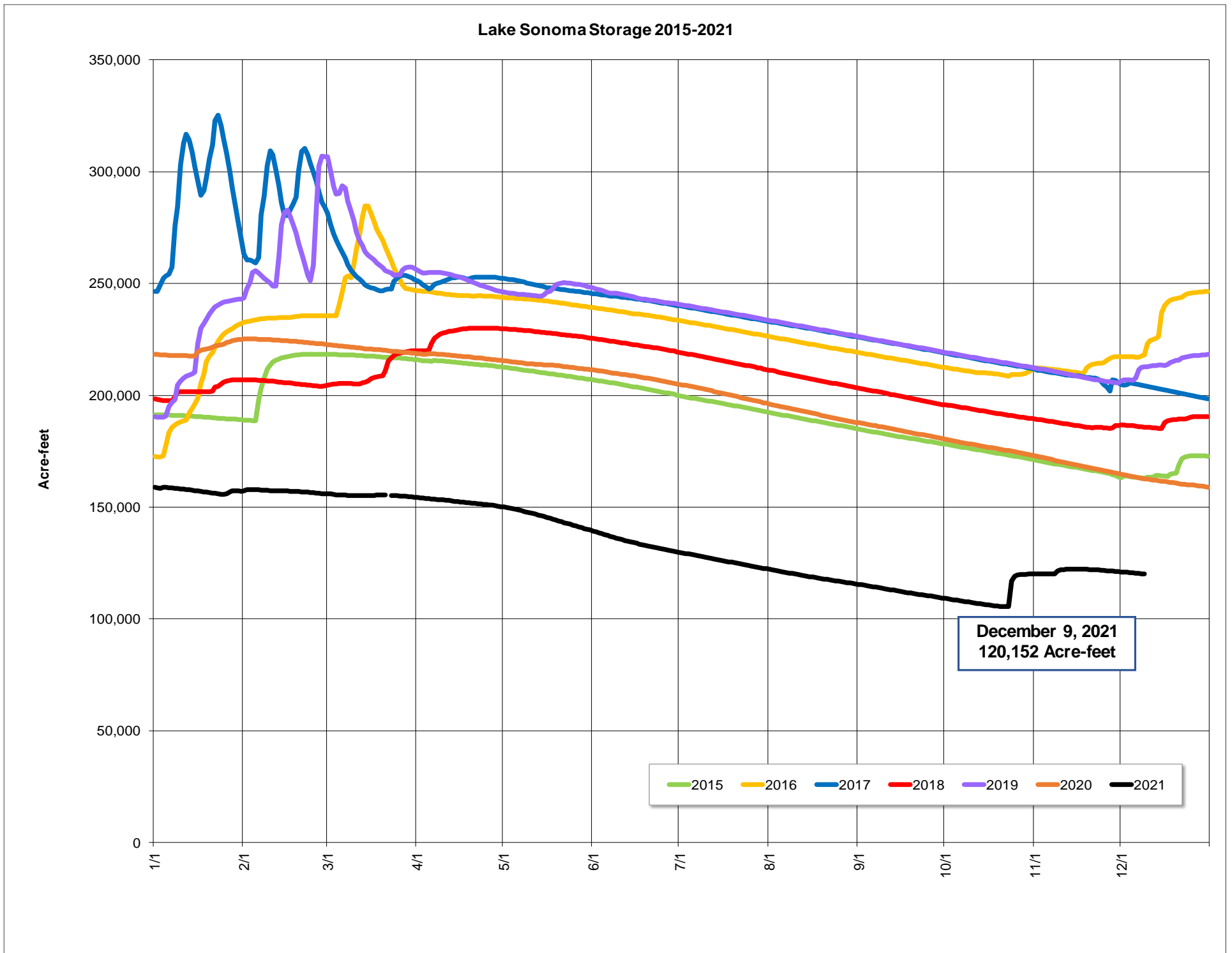


Storage (acre-feet)	December 9, 2021	21,260	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	1,990	66
	Last 7 days	295	42
Daily Inflow (cfs)	Last 7 days	Min	34
		Max	61
		Mean	47
Release (cfs)	Last 7 days	Min	10
		Max	30
		Mean	22

Lake Sonoma



Nathan Baskett, March 3 , 2011



Storage (acre-feet)	December 9, 2021	120,152	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	-1,295	-43
	Last 7 days	-687	-98
Daily Inflow (cfs)	Last 7 days	Min	9
		Max	26
		Mean	17
Release (cfs)	Last 7 days	Min	74
		Max	74
		Mean	75

Potter Valley Project

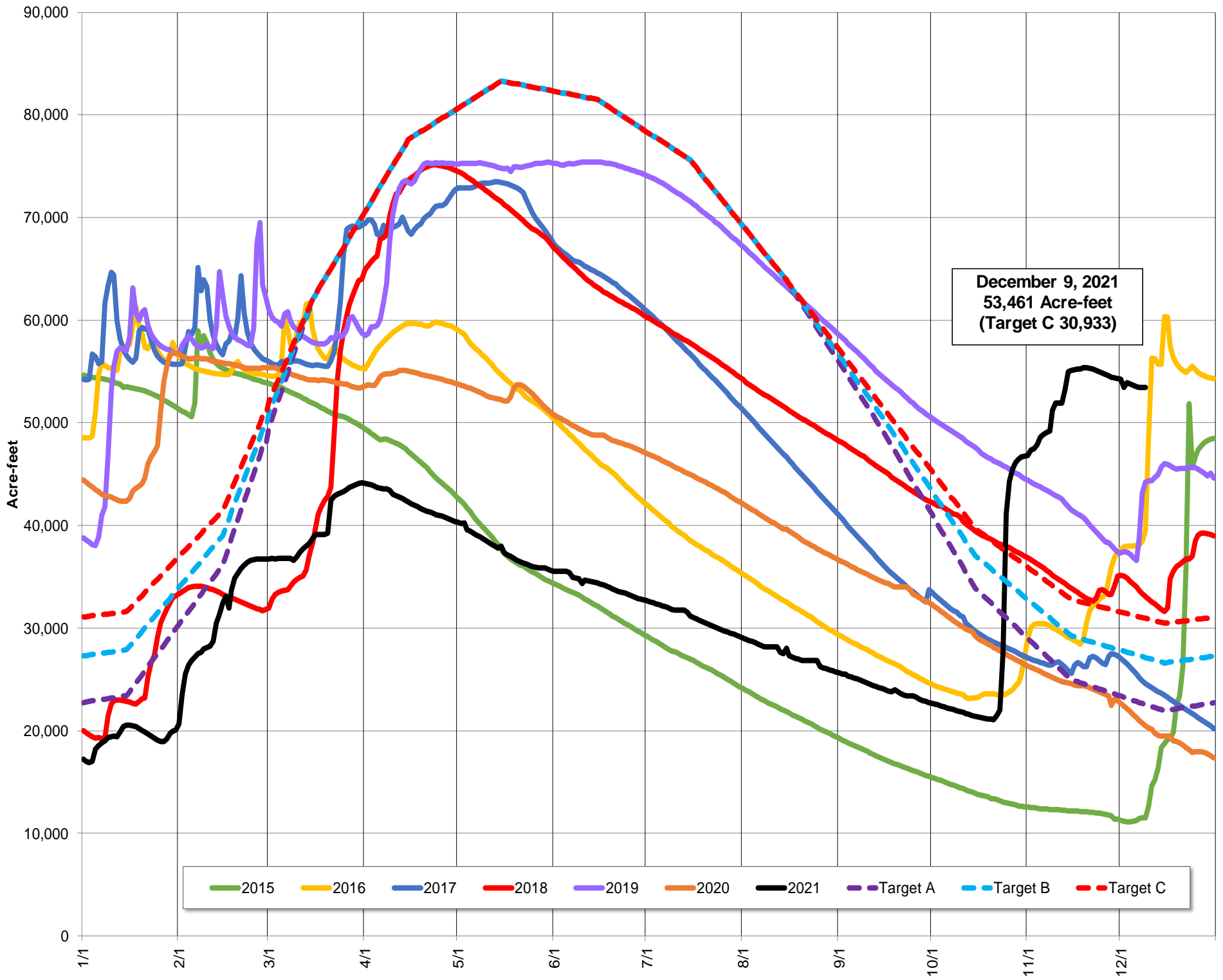
PVP Diversion (cfs)	December 9, 2021	46
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - December 9, 2021	51,008	729
	Last 7 days	2,252	322

*Inflow calculation based on criteria established in D1610

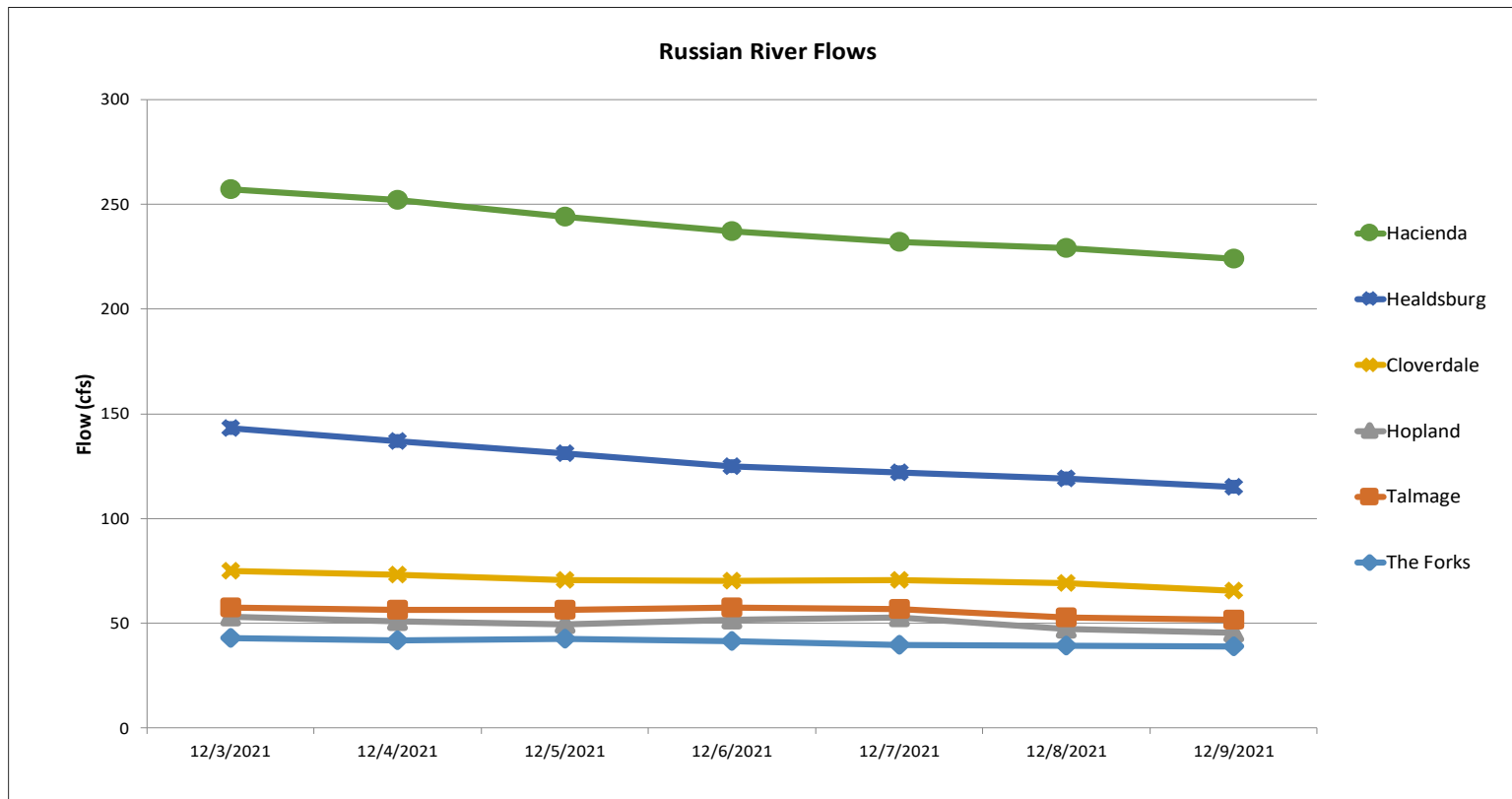
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



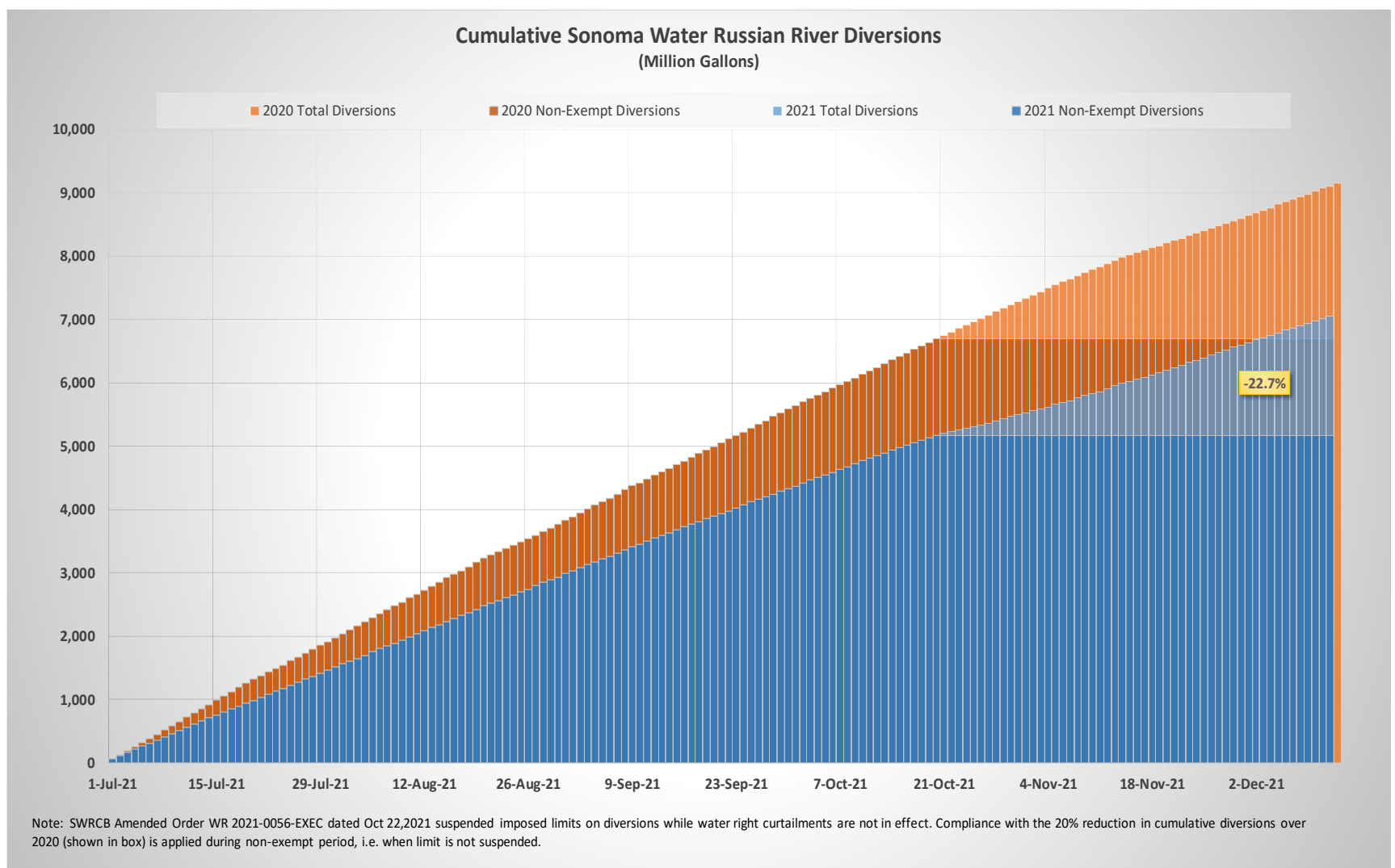
Russian River Flows (December 3 - December 9, 2021)

Gage	24-hr Average Flow (cfs)						
	Dec 3, 2021	Dec 4, 2021	Dec 5, 2021	Dec 6, 2021	Dec 7, 2021	Dec 8, 2021	Dec 9, 2021
The Forks*	43	42	43	41	40	39	39
Talmage USGS 11462080	57	56	56	58	57	53	52
Hopland USGS 11462500	53	51	50	52	53	47	46
Cloverdale USGS 11463000	75	73	71	70	71	69	65
Healdsburg USGS 11464000	143	137	131	125	122	119	115
Hacienda USGS 11467000	257	252	244	237	232	229	224

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

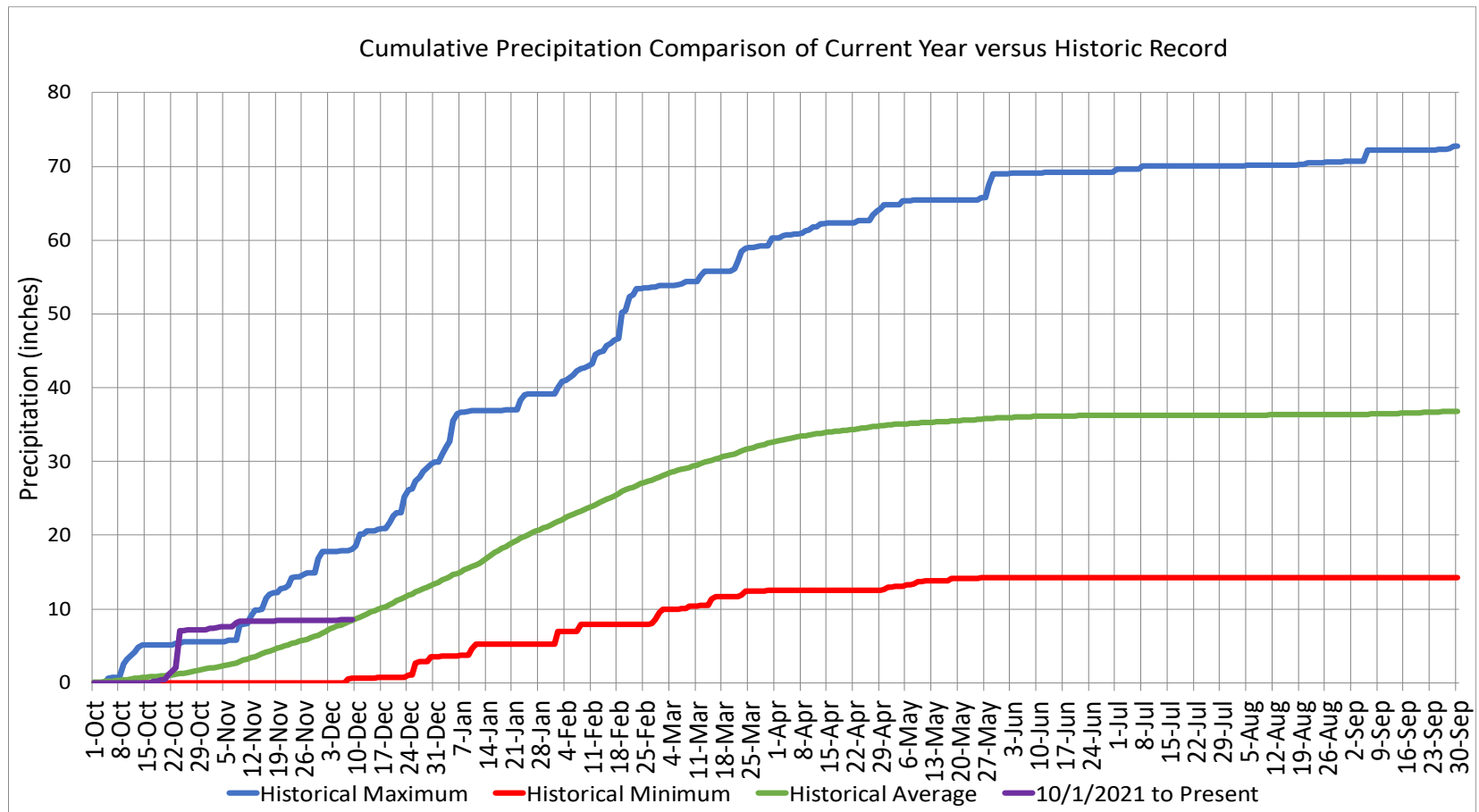


Sonoma Water River Diversions (July 1 - December 9, 2021)



Precipitation

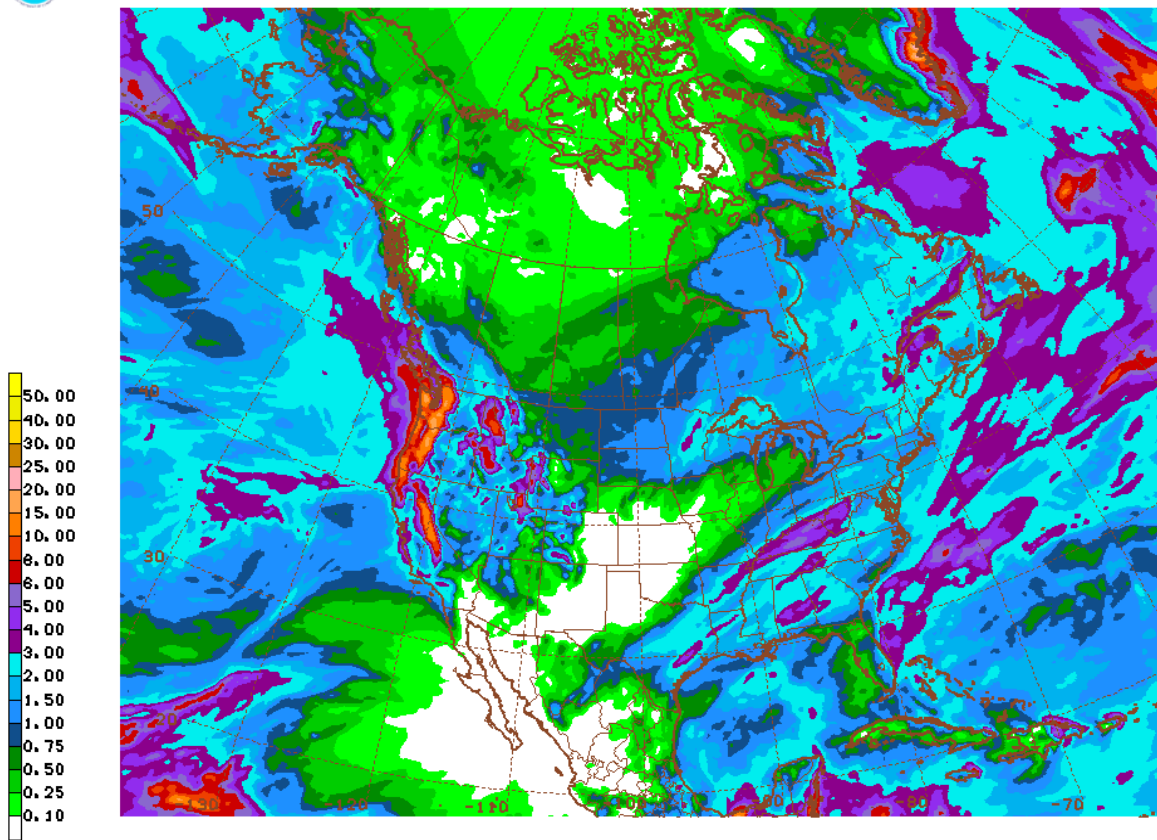
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Dec 9, 2021	8.55
Last 7 Days*	0.07



Global Forecast System Model 16-day Cumulative Precipitation Forecast



GFS 12/13/21 12UTC 384HR FCST VALID MED 12/29/21 12UTC NOAA/NWS/NCEP



GFS MED 211229/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Dec 13 - Dec 29, 2021	2.3