



**Sonoma  
Water**

State Water Resources Control Board  
 Temporary Urgency Change Order (6/14/2021)  
 Russian River Hydrologic Report  
 November 5, 2021 - November 11, 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).

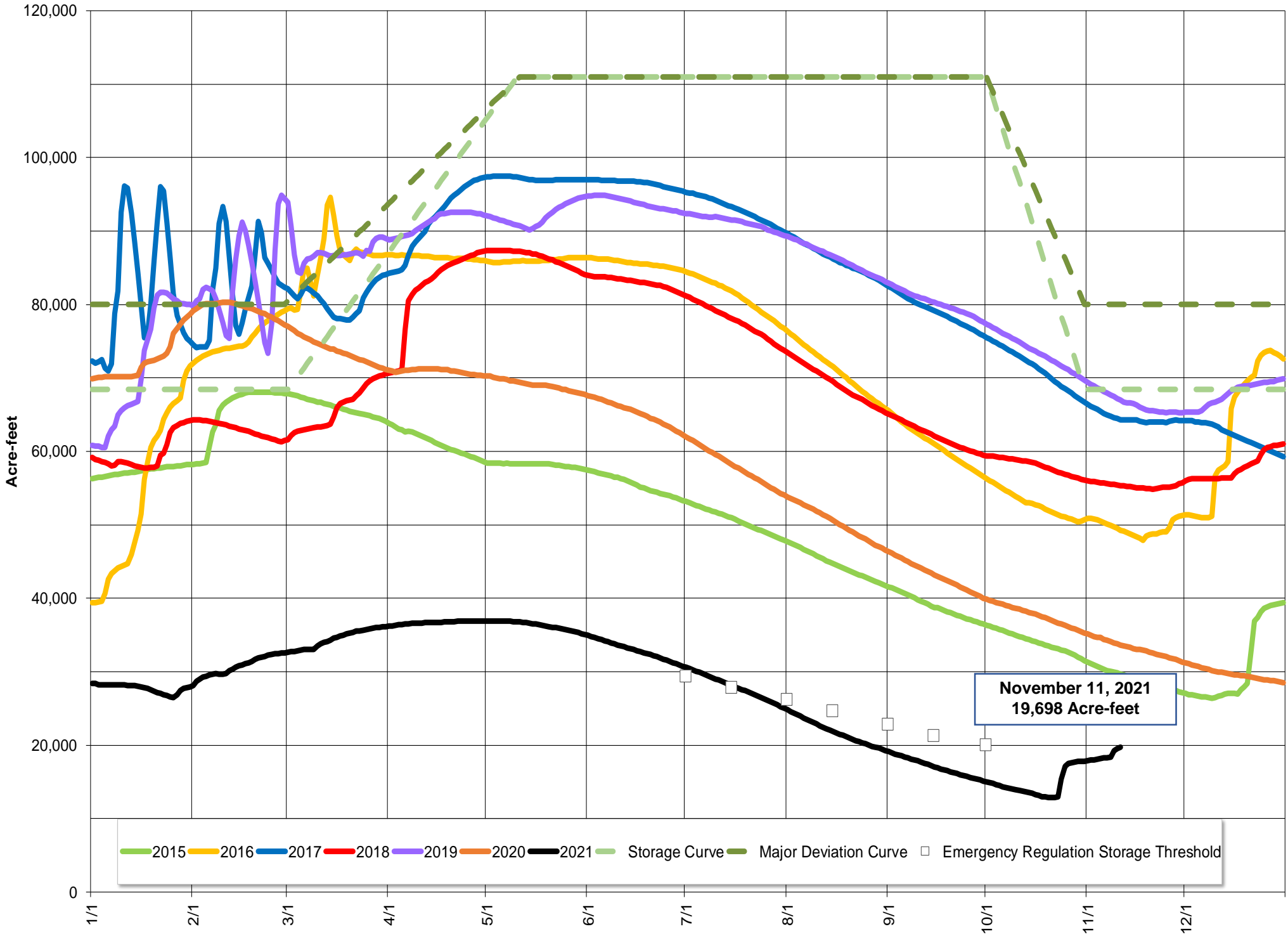
**Instream Flow Requirements as of November 11, 2021**

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**



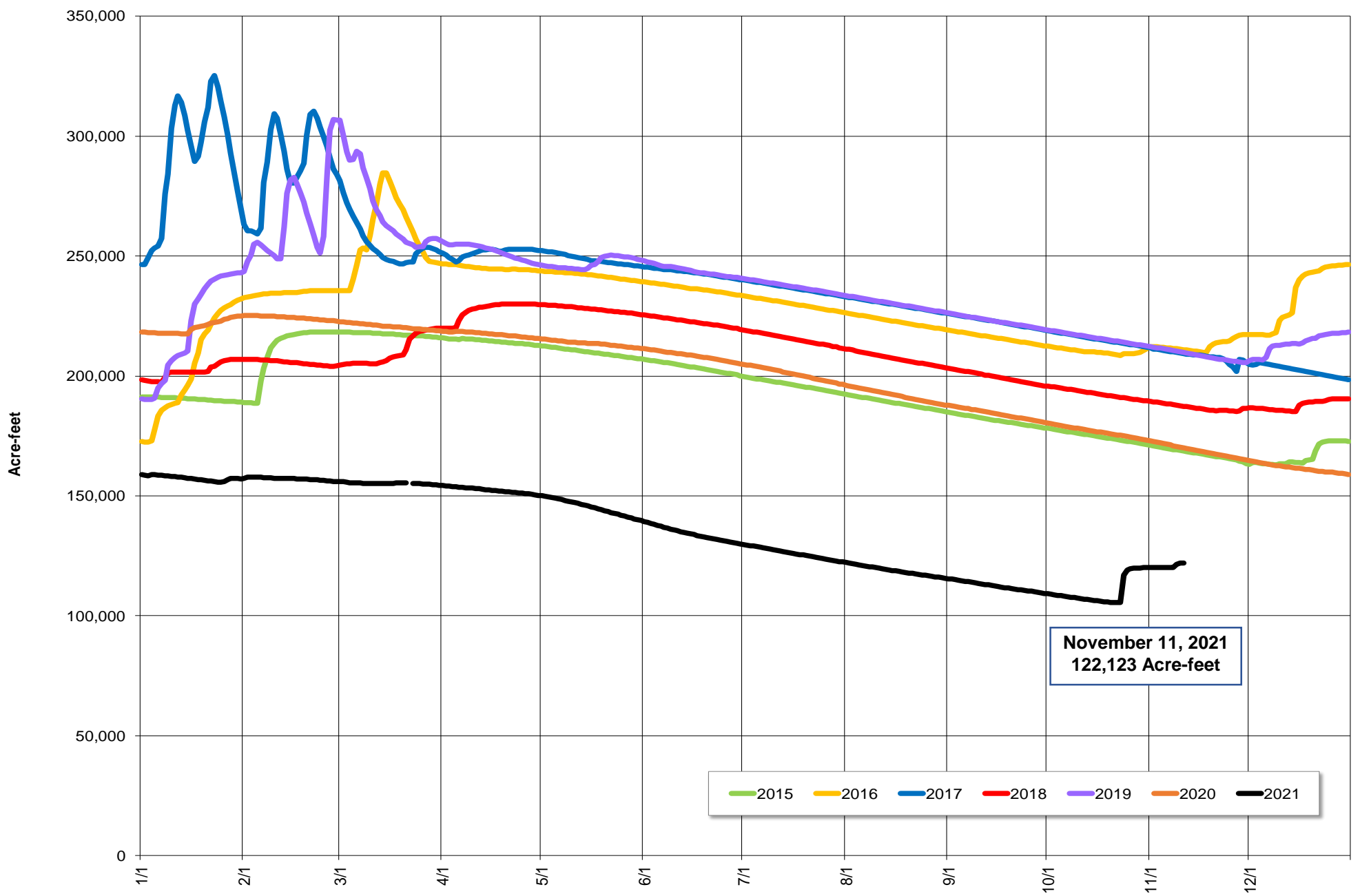
Storage (acre-feet)	November 11, 2021	<b>19,698</b>	
Change in Storage (acre-feet)	Last 30 days	Total	Average Daily Rate
		<b>5,918</b>	<b>197</b>
	Last 7 days	<b>1,529</b>	<b>218</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>61</b>
		Max	<b>466</b>
		Mean	<b>139</b>
Release (cfs)	Last 7 days	Min	<b>28</b>
		Max	<b>30</b>
		Mean	<b>29</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

### Lake Sonoma Storage 2015-2021



Storage (acre-feet)	November 11, 2021	122,123	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	15,095	503
	Last 7 days	1,873	268
Daily Inflow (cfs)	Last 7 days	Min	54
		Max	717
		Mean	204
Release (cfs)	Last 7 days	Min	75
		Max	77
		Mean	77

# Potter Valley Project

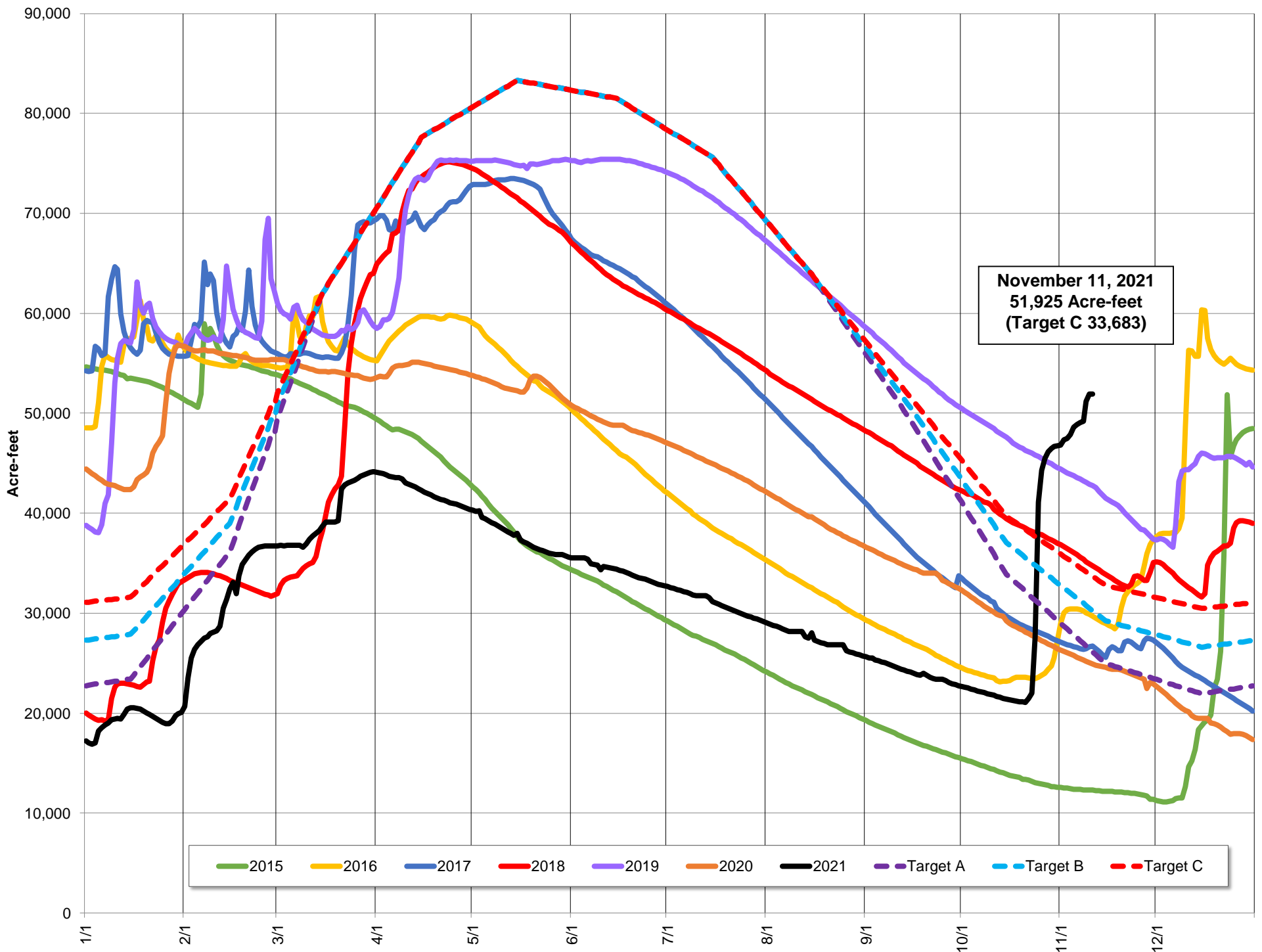
PVP Diversion (cfs)	November 11, 2021	45
---------------------	-------------------	----

## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - November 11, 2021	38,715	922
	Last 7 days	6,904	986

\*Inflow calculation based on criteria established in D1610

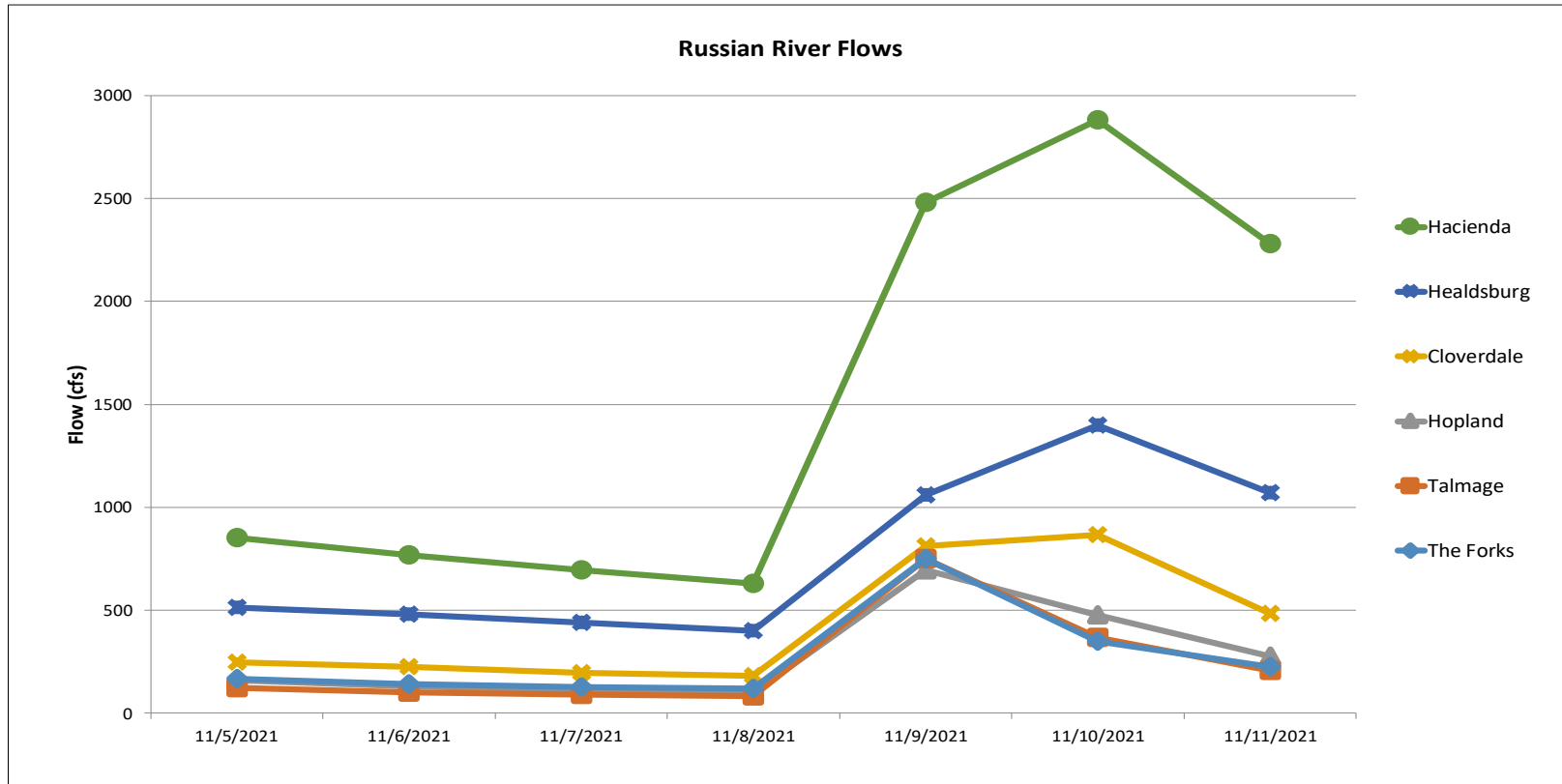
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



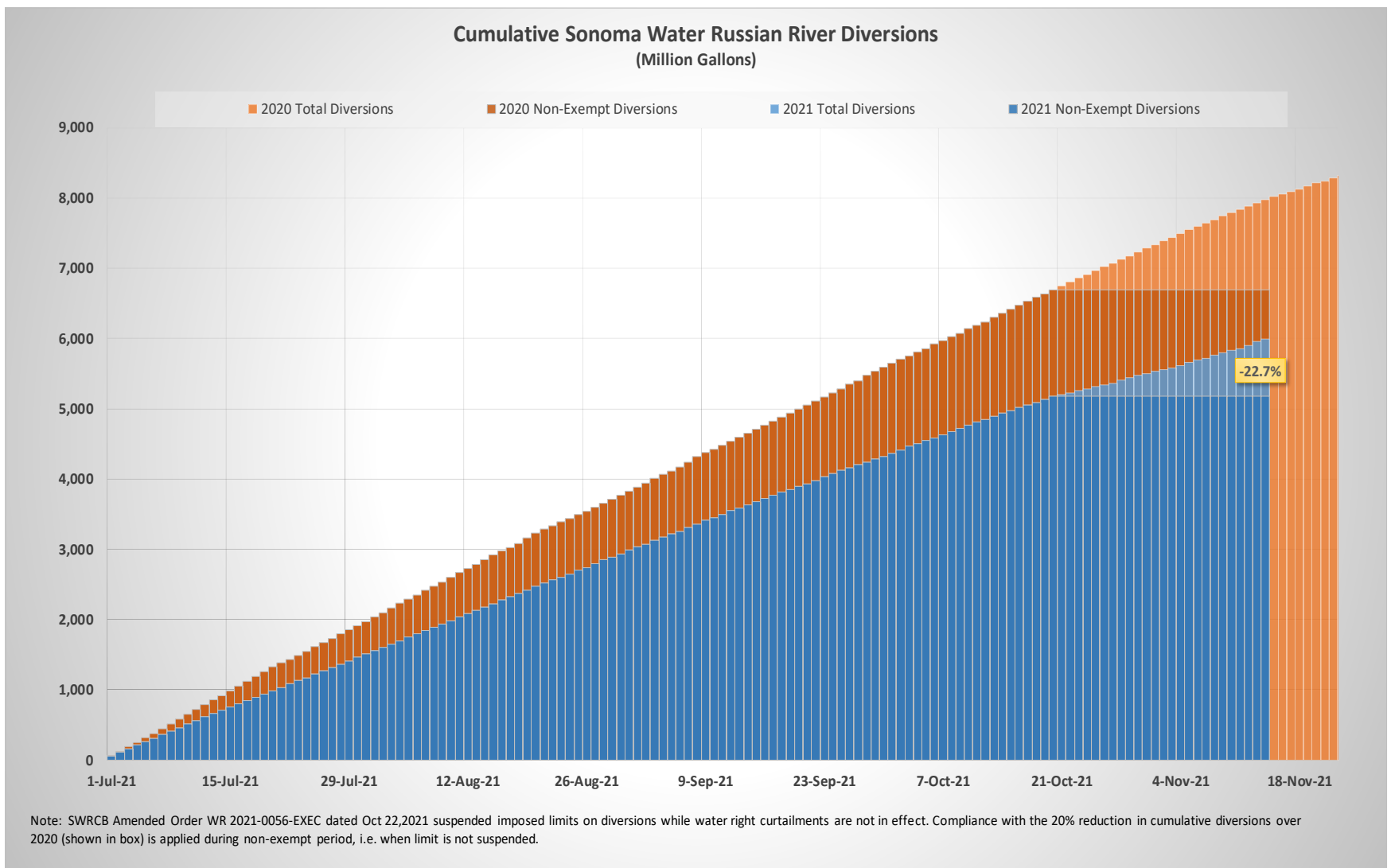
### Russian River Flows (November 5 - November 11, 2021)

Gage	24-hr Average Flow (cfs)						
	Nov 5, 2021	Nov 6, 2021	Nov 7, 2021	Nov 8, 2021	Nov 9, 2021	Nov 10, 2021	Nov 11, 2021
The Forks*	167	142	127	121	752	351	225
Talmage USGS 11462080	125	102	90	85	752	367	207
Hopland USGS 11462500	160	130	111	99	695	478	277
Cloverdale USGS 11463000	249	227	198	181	812	868	486
Healdsburg USGS 11464000	515	481	440	402	1060	1400	1070
Hacienda USGS 11467000	853	769	694	629	2480	2880	2280

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



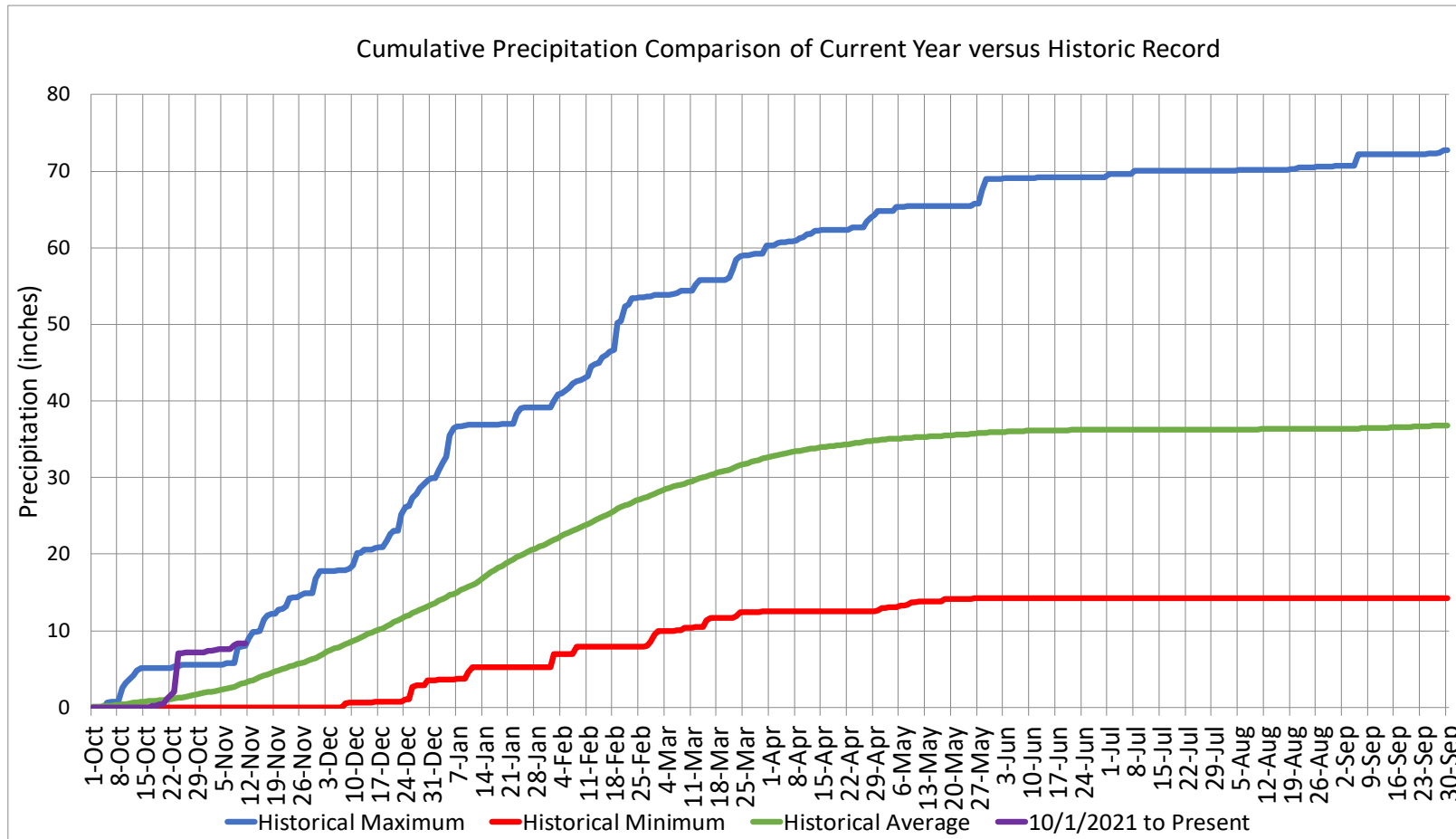
### Sonoma Water River Diversions (July 1 - November 11, 2021)



Note: SWRCB Amended Order WR 2021-0056-EXEC dated Oct 22, 2021 suspended imposed limits on diversions while water right curtailments are not in effect. Compliance with the 20% reduction in cumulative diversions over 2020 (shown in box) is applied during non-exempt period, i.e. when limit is not suspended.

### Precipitation

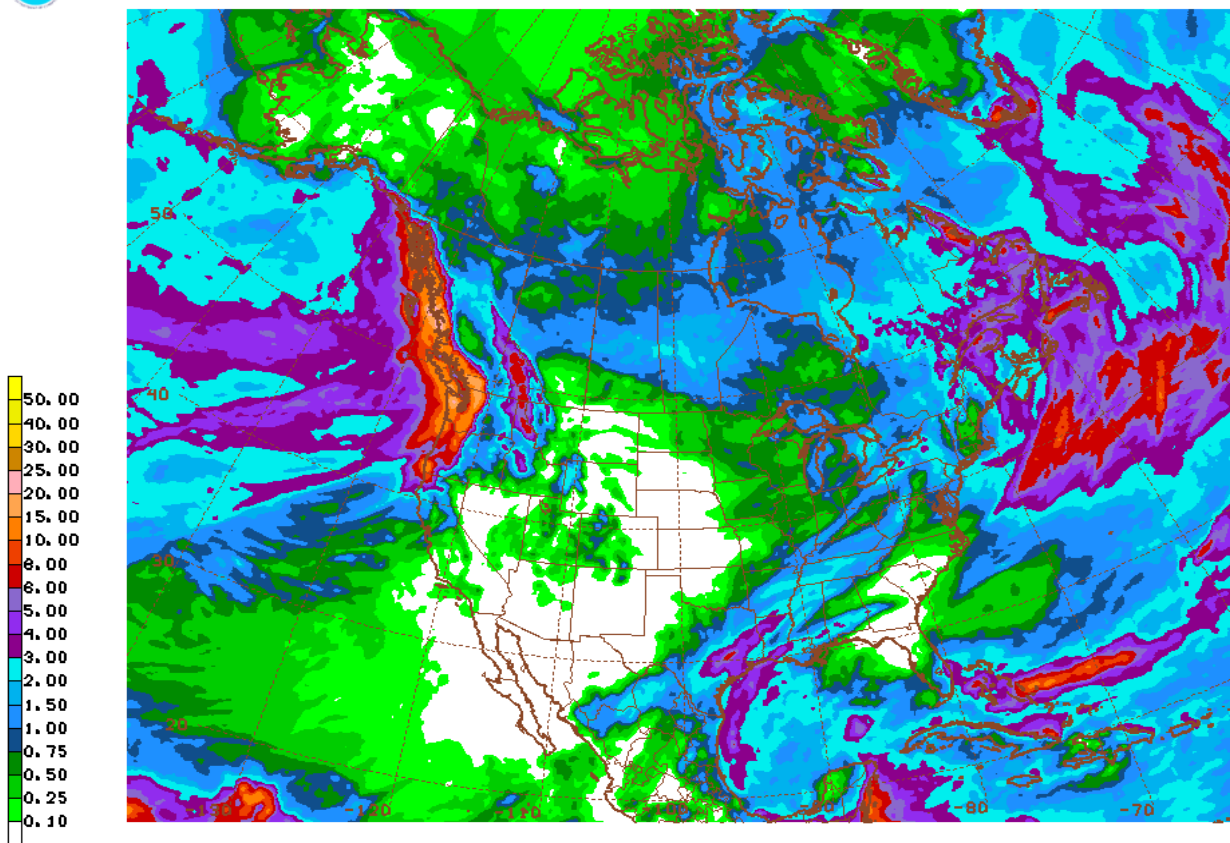
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Nov 11, 2021	<b>8.34</b>
Last 7 Days*	<b>0.75</b>



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



GFS 11/15/21 12UTC 384HR FCST VALID MED 12/01/21 12UTC NOAA/NWS/NCEP



GFS MED 211201/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Nov 15 - Dec 1, 2021	<b>1.3</b>