



**Sonoma Water**

**State Water Resources Control Board  
 Temporary Urgency Change Order (6/14/2021)  
 Russian River Hydrologic Report  
 November 12, 2021 - November 18, 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).

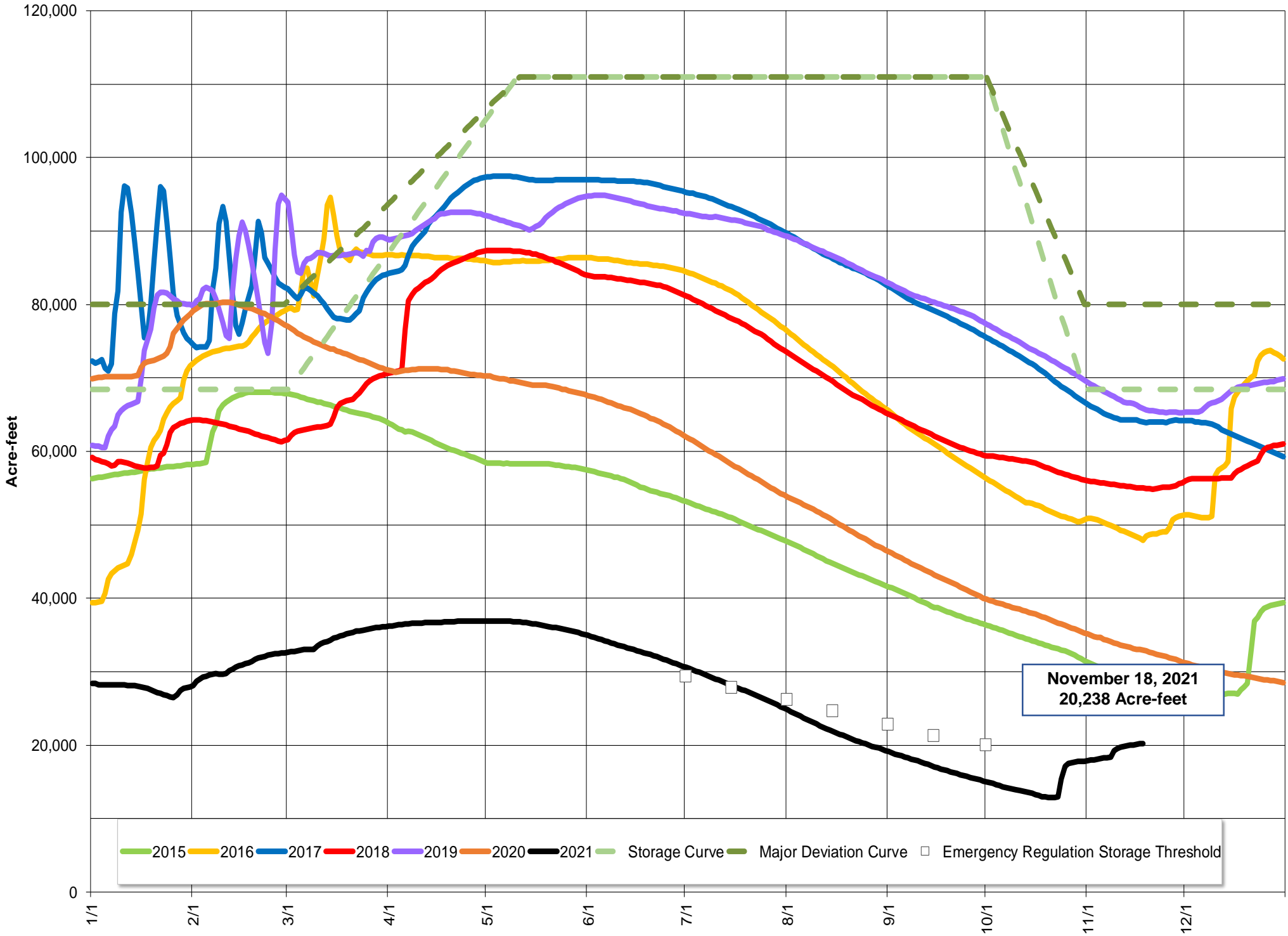
**Instream Flow Requirements as of November 18, 2021**

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

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**



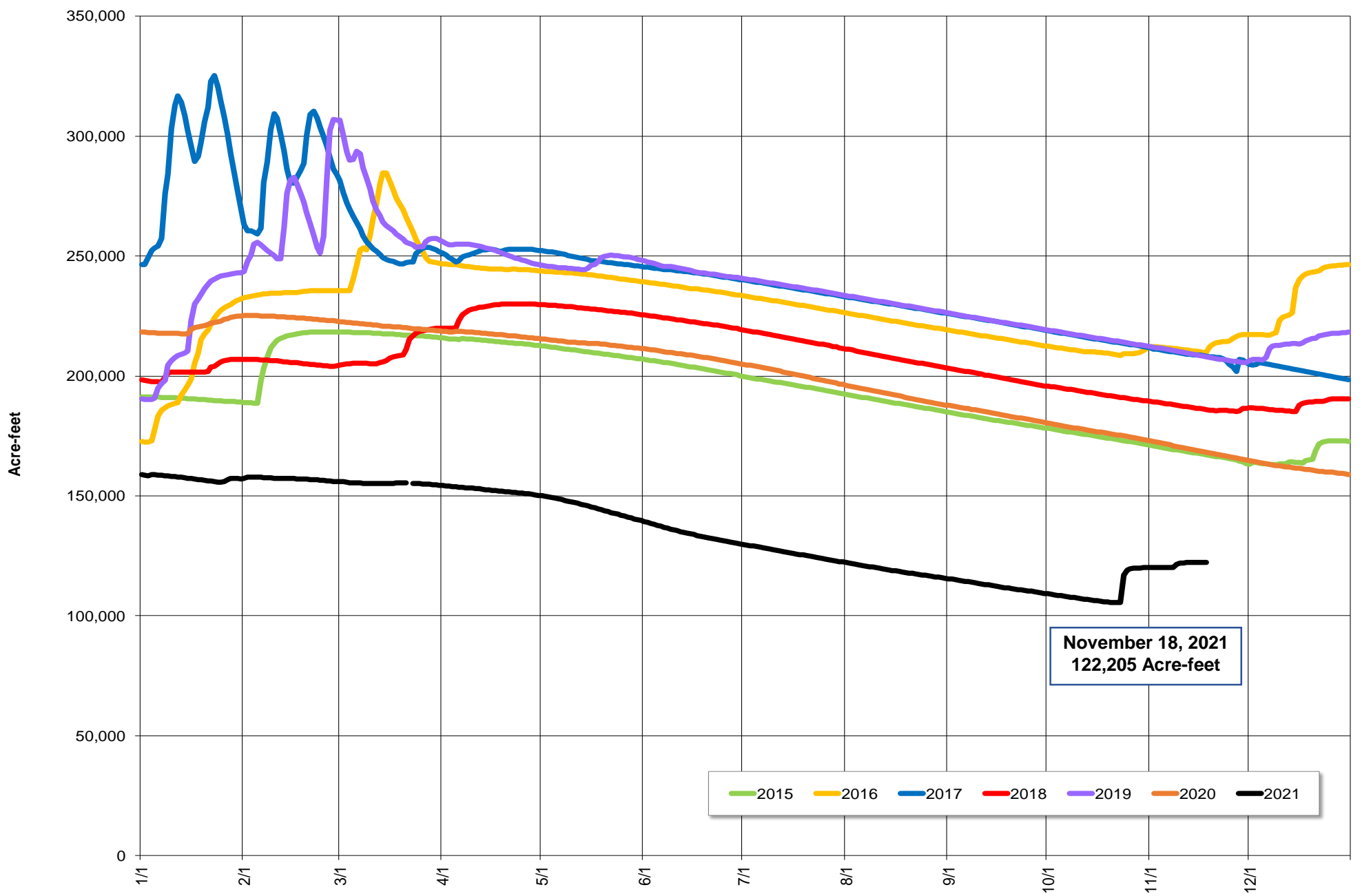
Storage (acre-feet)	November 18, 2021	<b>20,238</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>7,277</b>	<b>243</b>
	Last 7 days	<b>428</b>	<b>61</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>59</b>
		Max	<b>86</b>
		Mean	<b>69</b>
Release (cfs)	Last 7 days	Min	<b>28</b>
		Max	<b>29</b>
		Mean	<b>28</b>

# Lake Sonoma



Nathan Baskett, March 3, 2011

### Lake Sonoma Storage 2015-2021



Storage (acre-feet)	November 18, 2021	<b>122,205</b>	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	<b>16,441</b>	<b>548</b>
	Last 7 days	<b>-34</b>	<b>-5</b>
Daily Inflow (cfs)	Last 7 days	Min	<b>35</b>
		Max	<b>138</b>
		Mean	<b>84</b>
Release (cfs)	Last 7 days	Min	<b>75</b>
		Max	<b>76</b>
		Mean	<b>77</b>

# Potter Valley Project

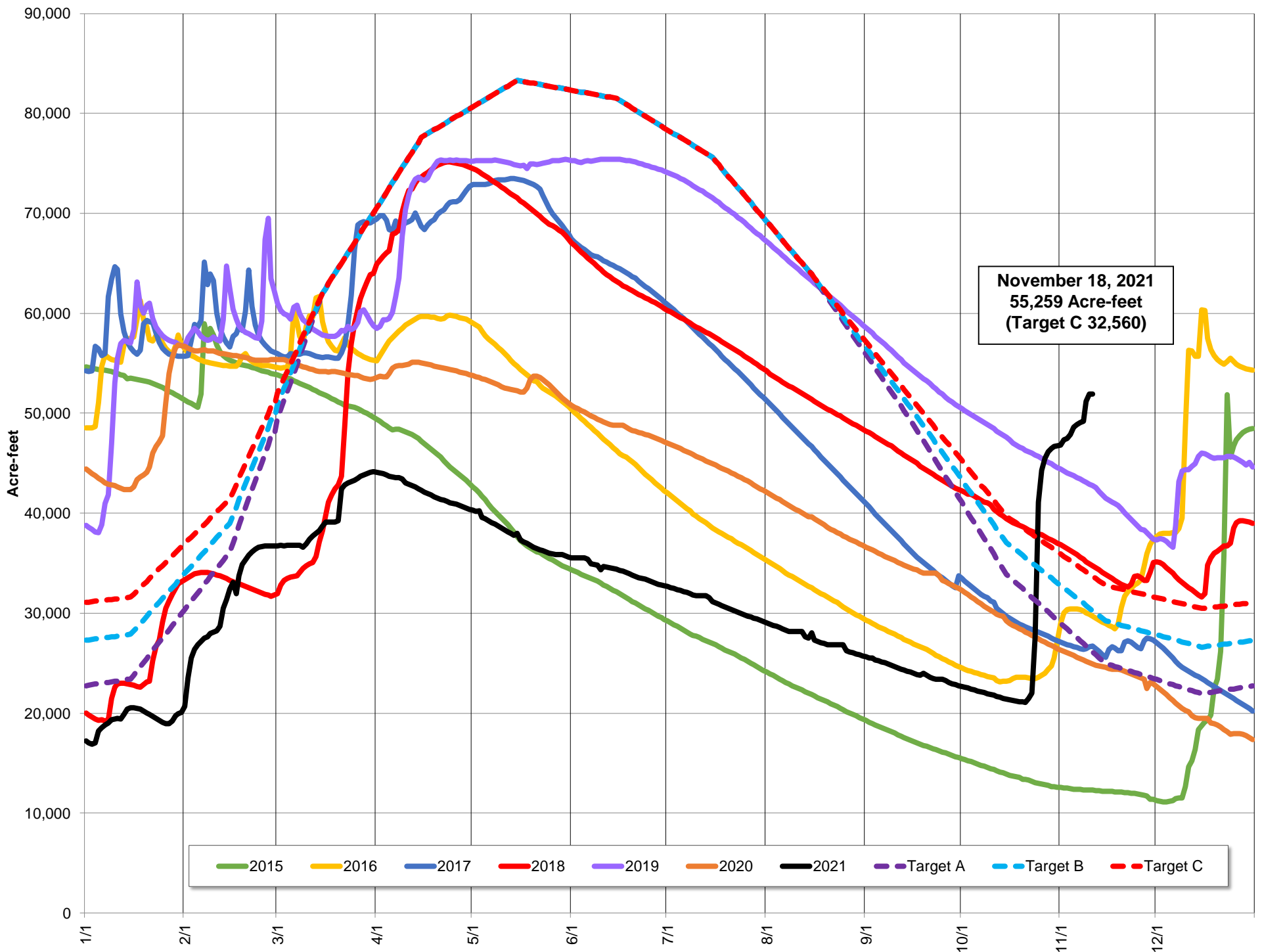
PVP Diversion (cfs)	November 18, 2021	45
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## Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2021 - November 18, 2021	44,893	916
	Last 7 days	6,177	882

\*Inflow calculation based on criteria established in D1610

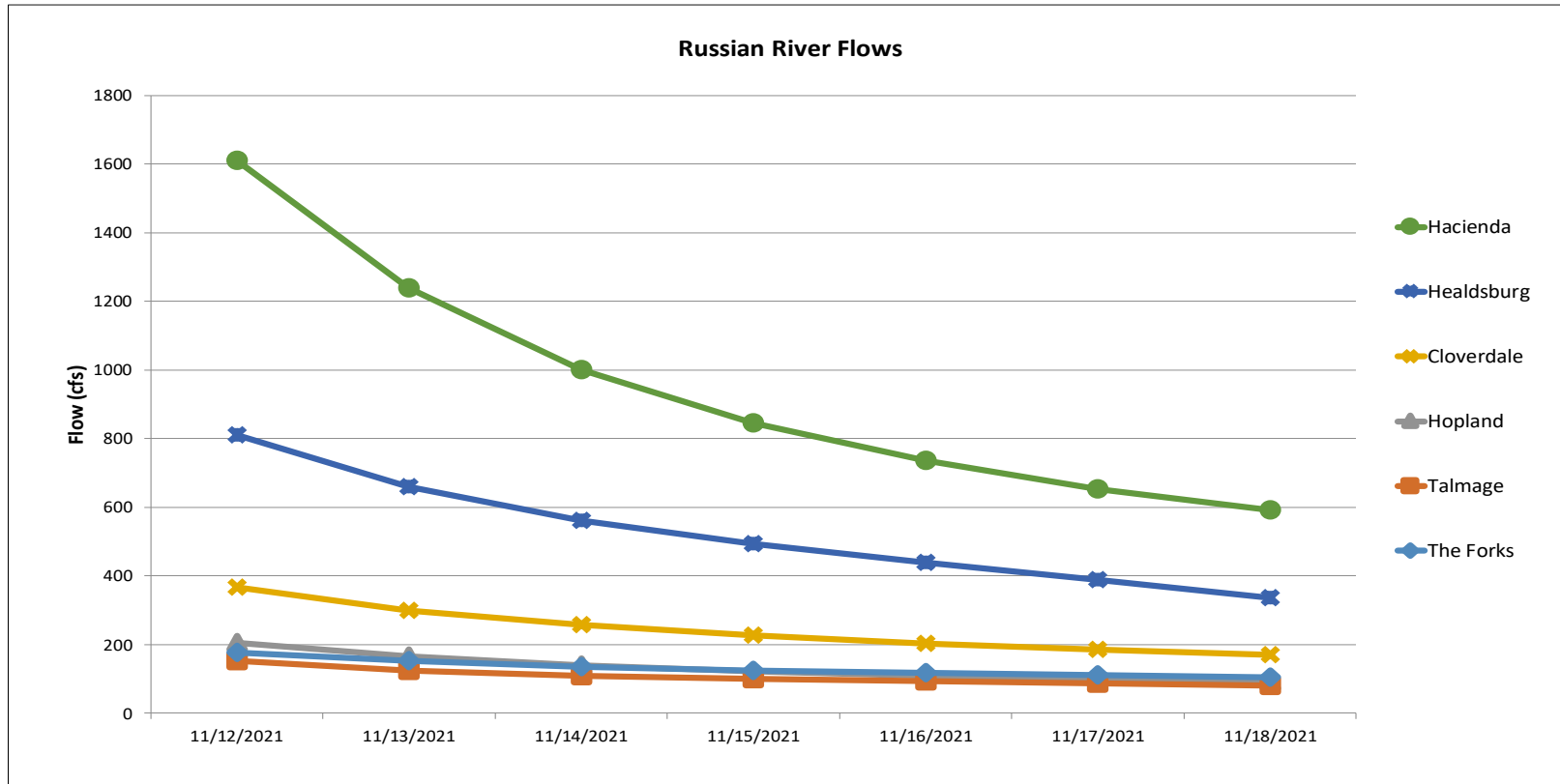
Lake Pillsbury Storage 2015-2021 and Target Storage Scenarios



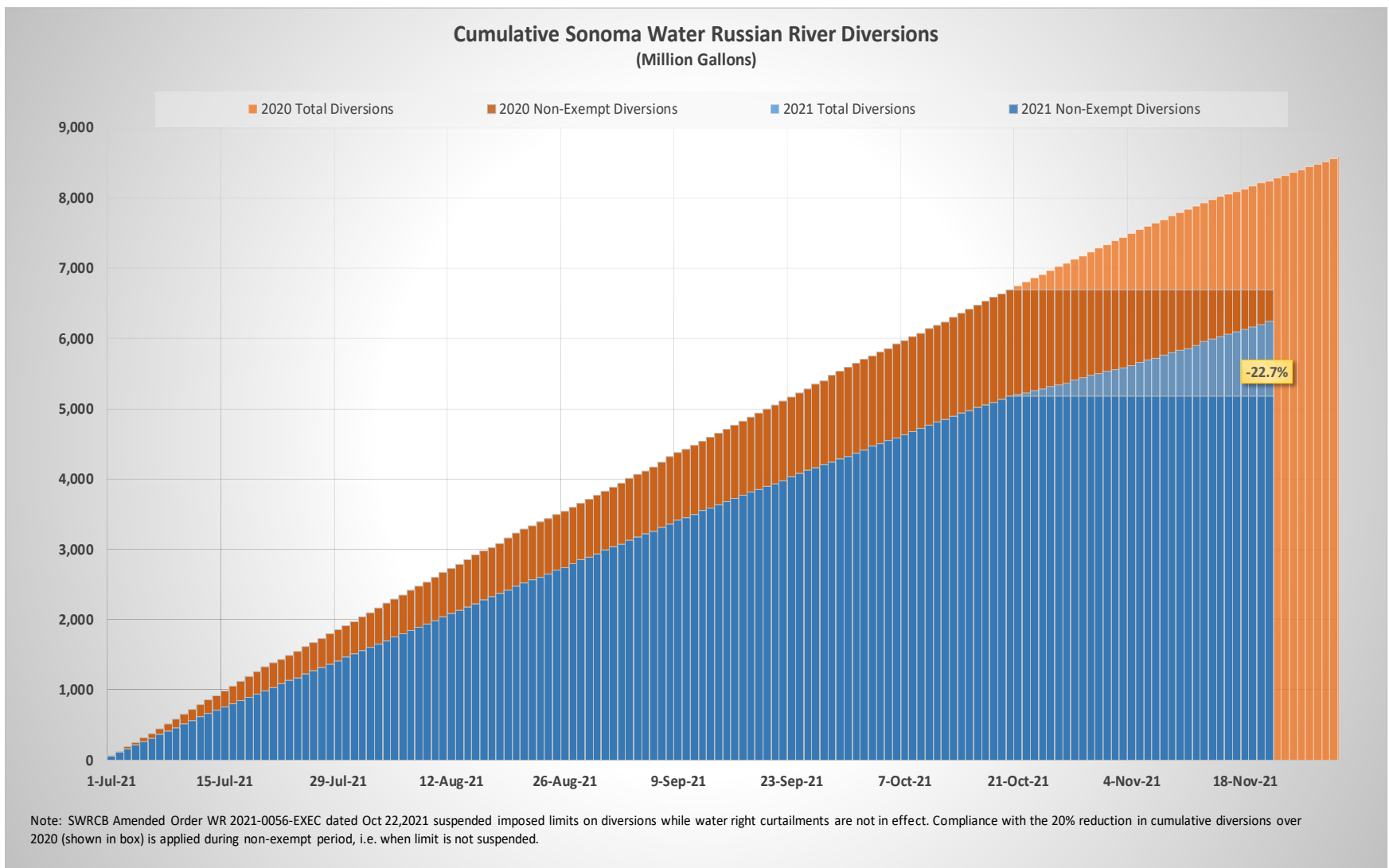
### Russian River Flows (November 12 - November 18, 2021)

Gage	24-hr Average Flow (cfs)						
	Nov 12, 2021	Nov 13, 2021	Nov 14, 2021	Nov 15, 2021	Nov 16, 2021	Nov 17, 2021	Nov 18, 2021
The Forks*	178	153	136	125	118	111	105
Talmage USGS 11462080	153	125	110	100	93	87	82
Hopland USGS 11462500	205	165	139	123	110	100	91
Cloverdale USGS 11463000	368	300	257	228	204	186	171
Healdsburg USGS 11464000	811	660	561	493	440	389	337
Hacienda USGS 11467000	1610	1240	1000	846	736	654	592

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

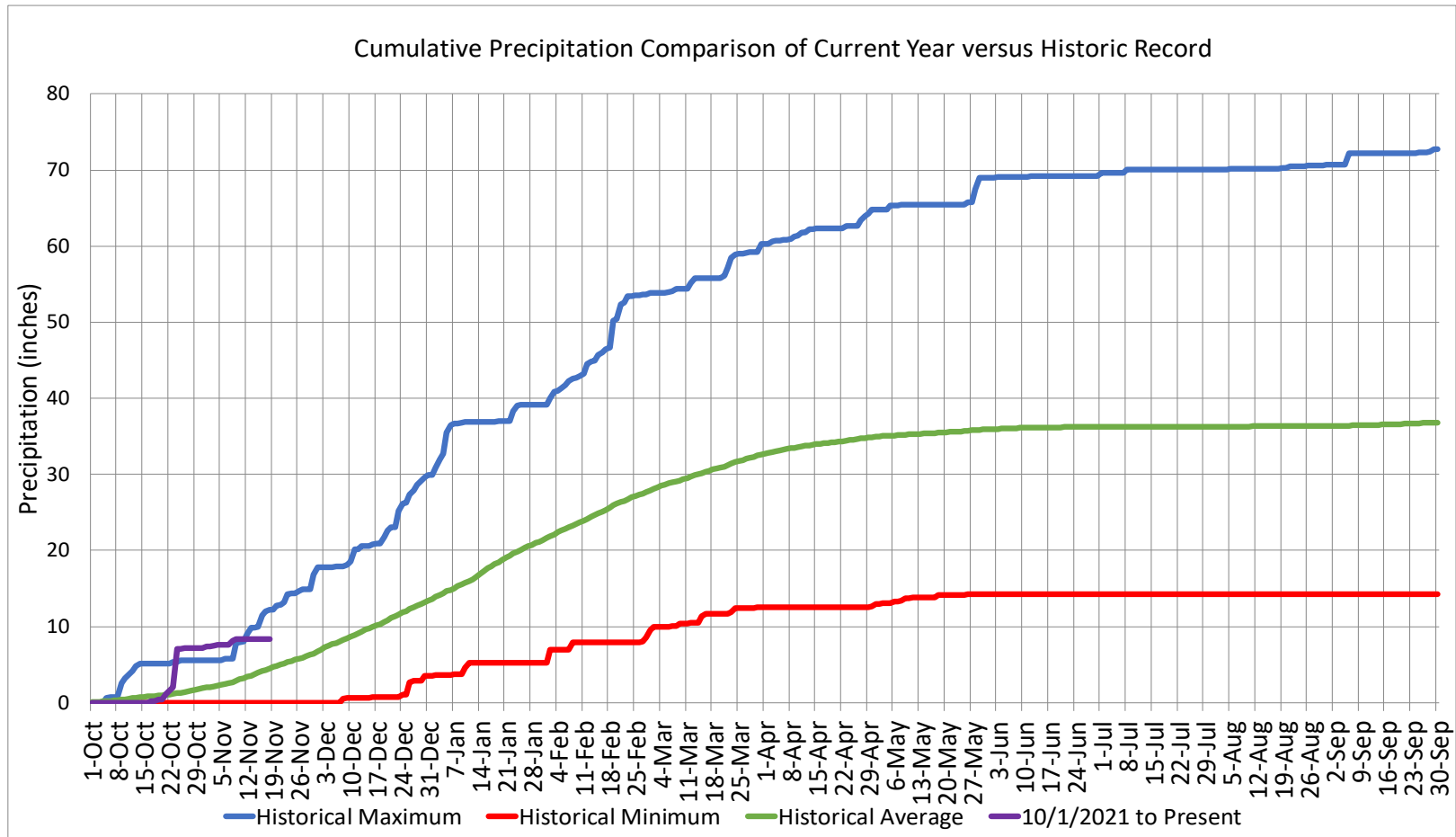


### Sonoma Water River Diversions (July 1 - November 18, 2021)



### Precipitation

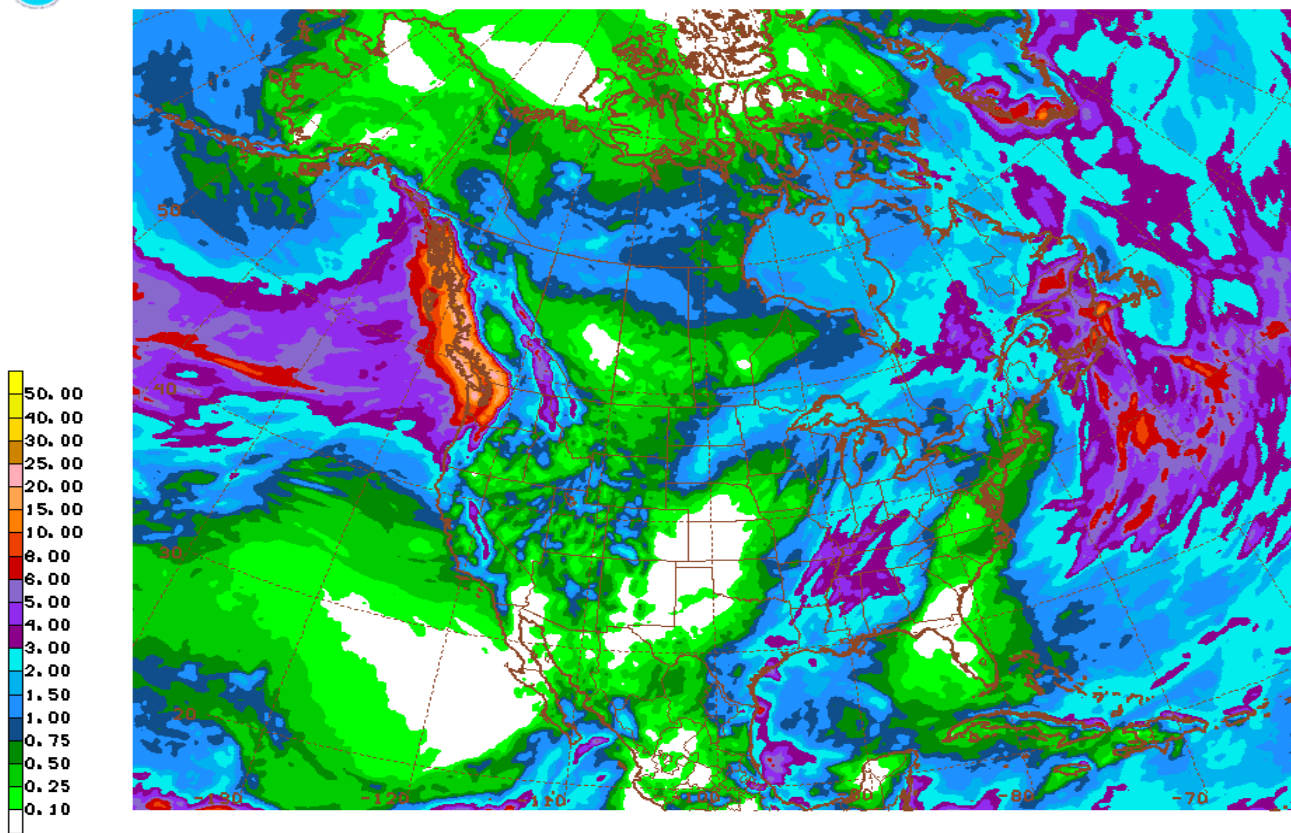
Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))	
Date Range	Cumulative (inches)
Oct 1, 2021 - Nov 18, 2021	<b>8.34</b>
Last 7 Days*	<b>0.00</b>



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



GFS 11/22/21 12UTC 384HR FCST VALID MED 12/08/21 12UTC NOAA/NWS/NCEP



GFS MED 211208/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range	Forecasted Cumulative (inches)
Nov 22 - Dec 8, 2021	<b>0.9</b>