

Figure 1. Daily adult Chinook passage at the Tuolumne River weir and river flow at La Grange (LGN) and Modesto (MOD). Total passage as of 12/6/2020 is 841 individuals. No *O. mykiss* have been observed passing the weir thus far in 2020.

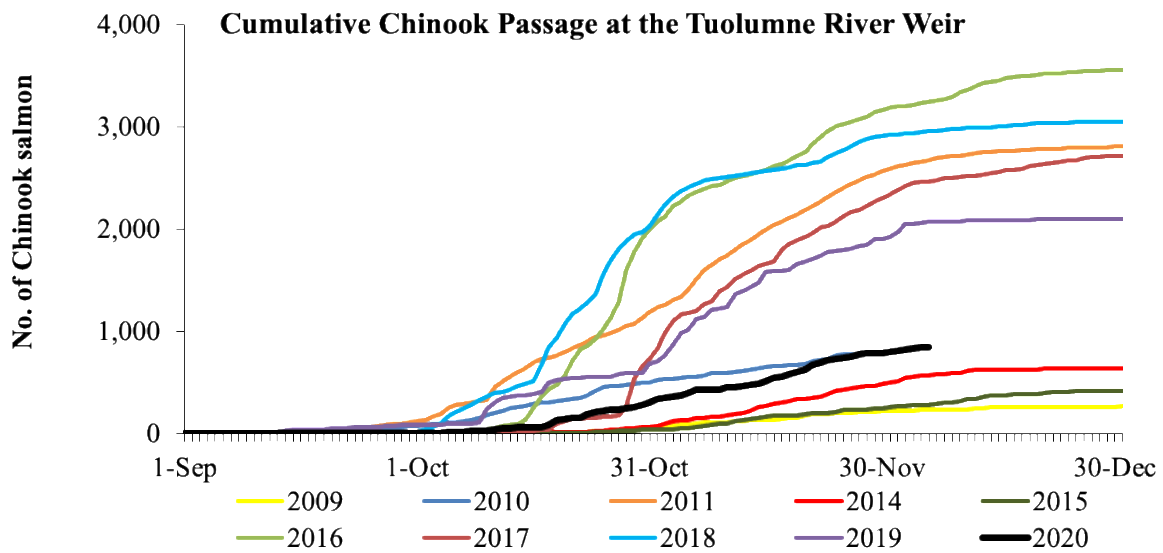


Figure 2. Cumulative adult Chinook passage at the Tuolumne River weir, 2009-2020.

Infiltration Gallery Update

12/03/2020

The SRWA is currently performing monthly water quality sampling of the Tuolumne River through the infiltration gallery and recently completed wet well. The contractor mobilized on the site on Monday Nov. 30, 2020, so construction will be underway soon.

Regular use of the infiltration gallery is not expected until at least 2023, which is currently the expected date of completion of the SRWA water treatment plant.

Snorkel Survey results for Chinook and *O. mykiss*

July 28 - 30, 2020

RM	Site	Description	Juvenile Chinook (<200mm)	Juvenile <i>O. mykiss</i> (<150mm)	Adult <i>O. mykiss</i> (≥150mm)	Total <i>O. mykiss</i>
50.7	Riffle A7	below La Grange	0	1	6	7
49.9	Riffle 2	below NLGB	0	4	32	36
49.1	Riffle 3B	upper Basso	0	4	23	27
48.0	Riffle 5B	above Basso Bridge	3	12	5	17
46.9	Riffle 7	upper Zanker	0	5	11	16
45.6	Riffle 13B	Zanker Ranch	13	5	0	5
42.9	Riffle 21	Bobcat Flat	0	0	2	2
42.3	Riffle 23C	Tuolumne River Resort	0	2	3	5
38.1	Riffle 31	7/11 Gravel	0	0	0	0
37.0	Riffle 35A	Santa Fe Gravel	0	0	0	0
35.3	Riffle 41A	Dierdorff Ranch	0	0	0	0
31.5	Riffle 57	below Hickman Bridge	0	0	0	0
Totals			16	33	82	115

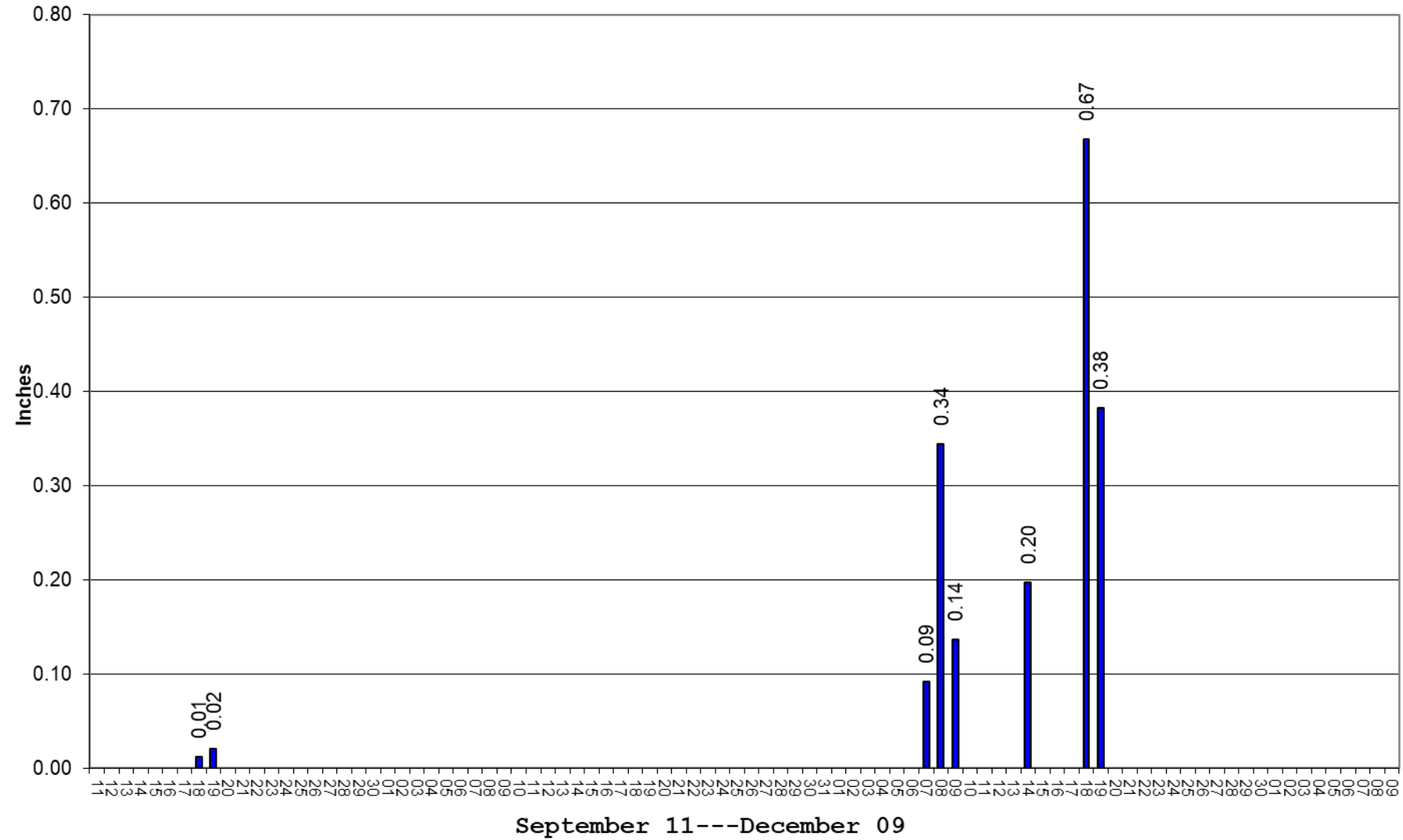
Note:

Chinook at only two locations (RM 48.0 and RM 45.6)

O. mykiss observed primarily upstream of Basso Bridge (RM 47.5)

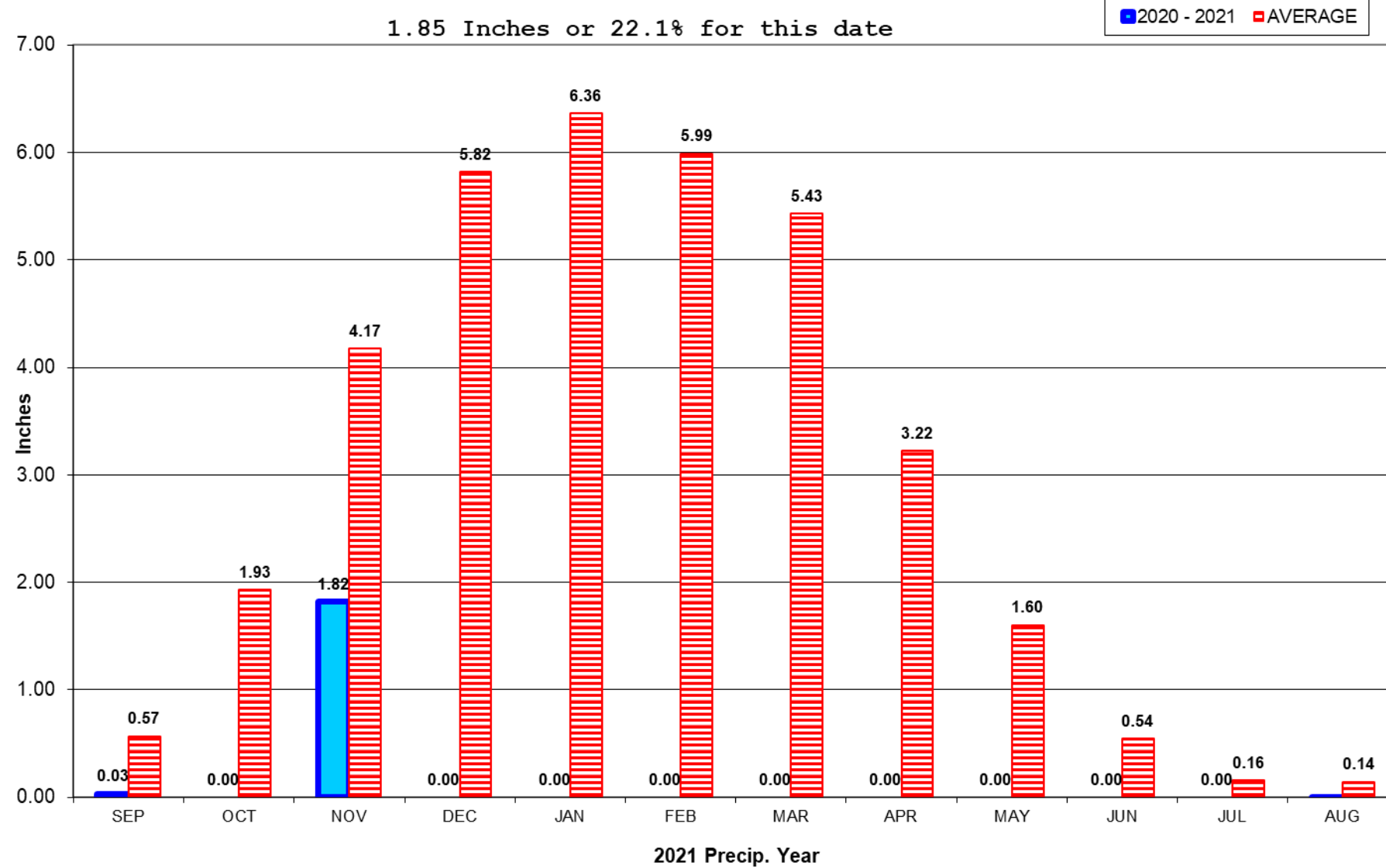
No salmonids observed below RM 42.3

Watershed Daily Precipitation Past 90 Days

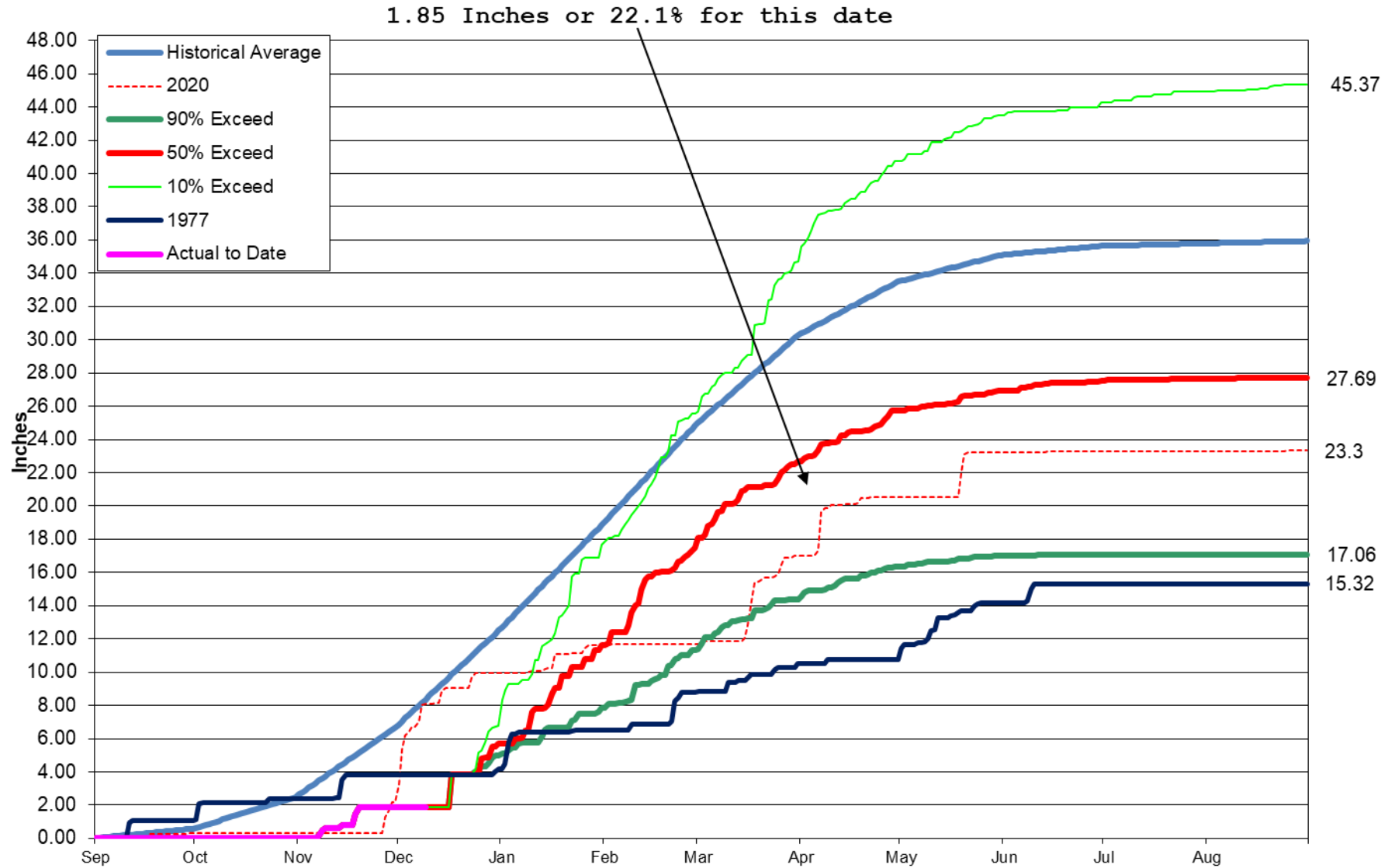


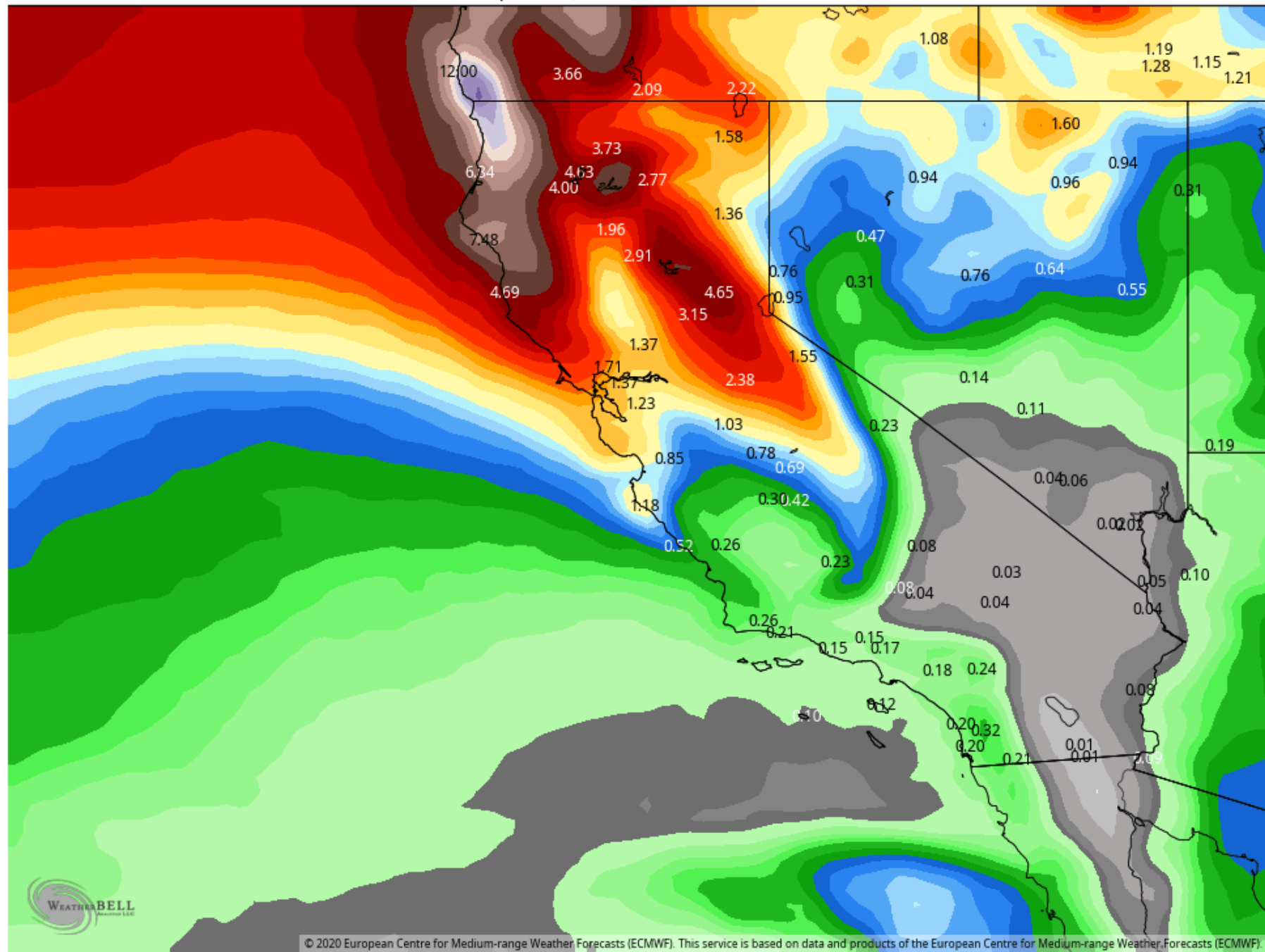
Watershed Monthly Accumulation of Precipitation

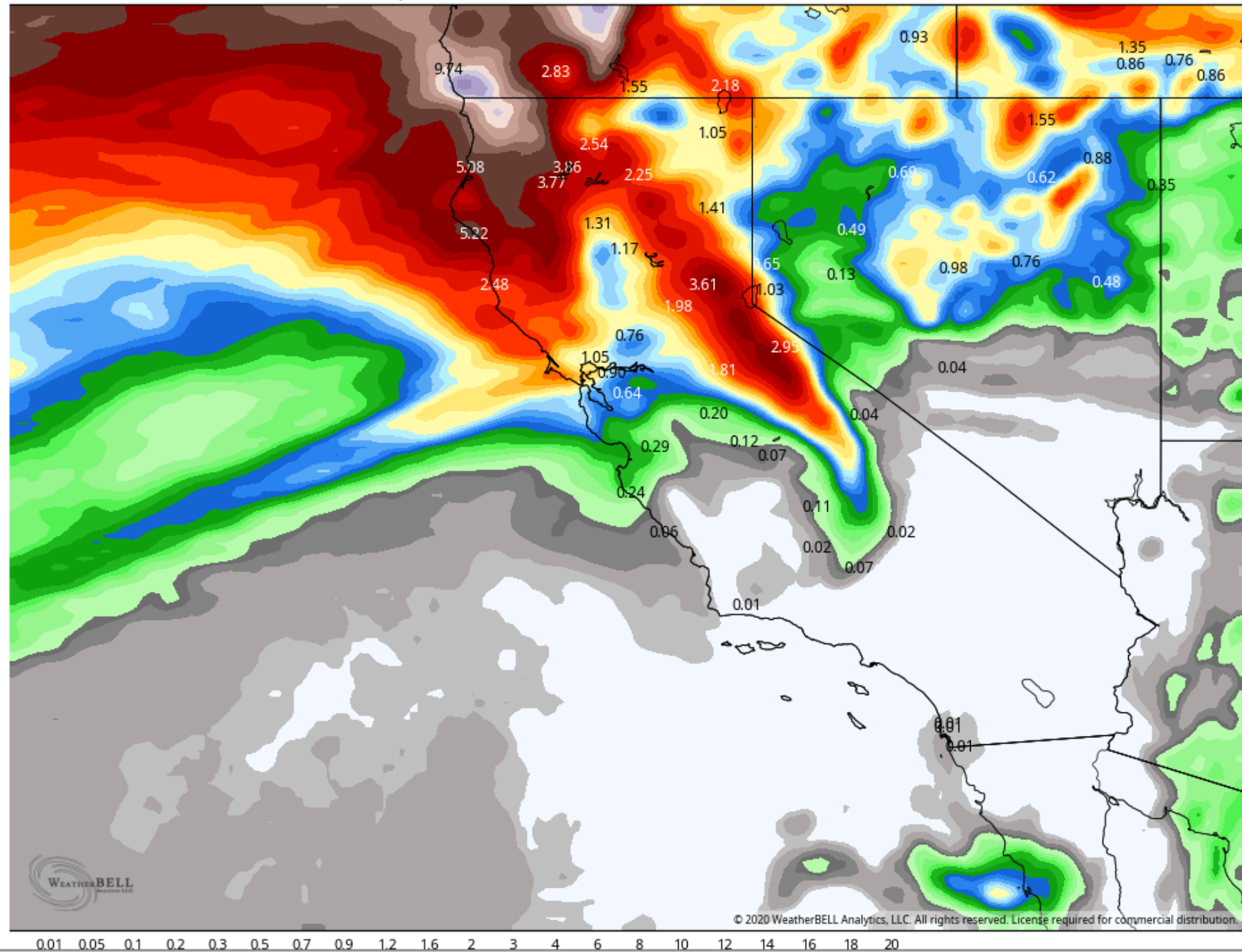
1.85 Inches or 22.1% for this date



Watershed Accumulated Precipitation (NWS 16 Forecasted Included)



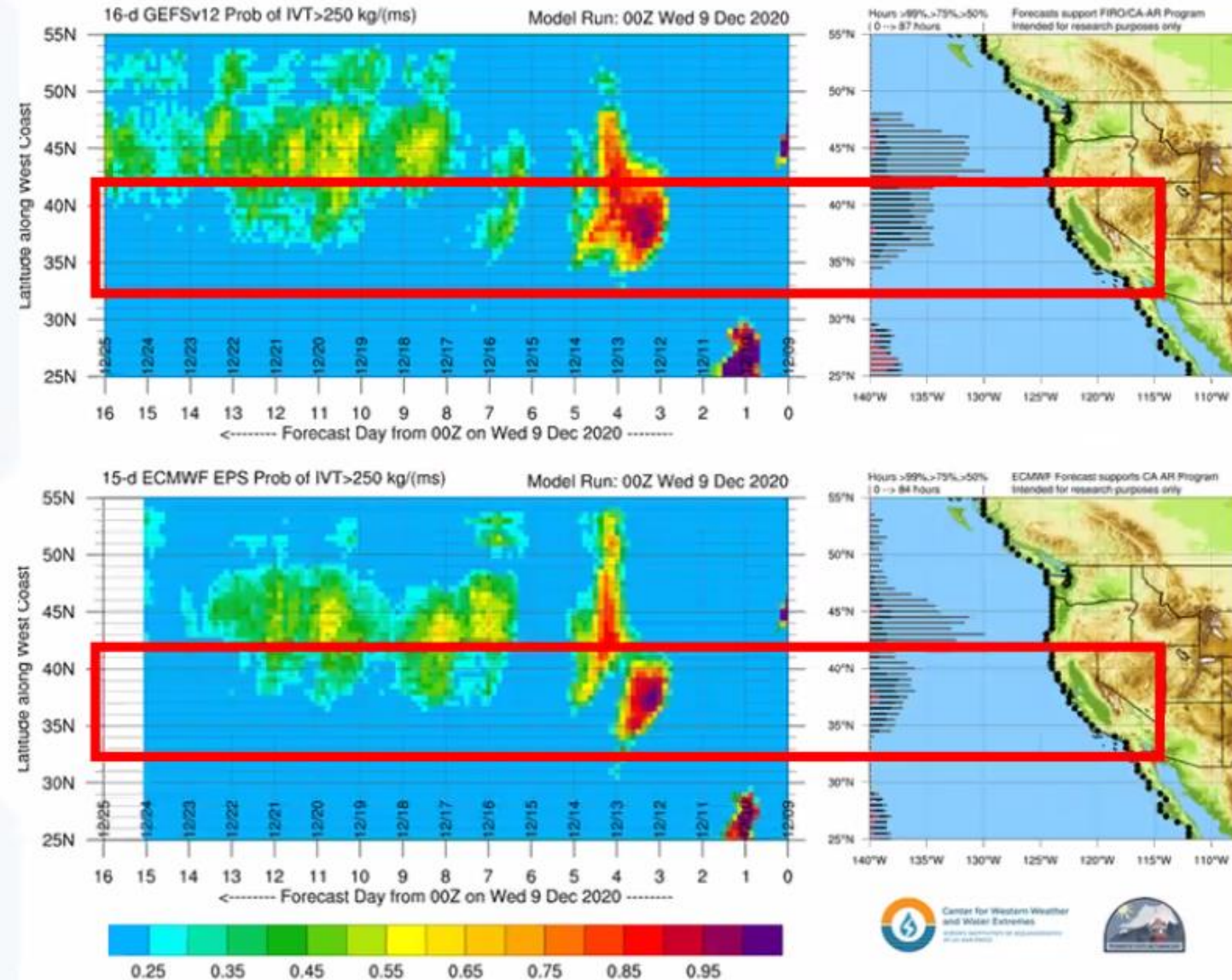




Weeks 1-2 Forecast – AR activity over NorCal and PNW

Weeks 1-2 (8 – 24 Dec 2020)

- U.S. National Model is predicting an AR over Northern and Central CA on 12-14 Dec
- Potential for additional AR activity in week 2
- No AR activity forecasted for southern CA
- European model is also predicting an AR over Northern and Central CA on 12-14 Dec



Weeks 5-6 Forecast – Wet PNW, dry SoCal

Weeks 5-6 (4 – 18 Jan 2021)

- U.S. and European models agree that the most likely ridge to occur is the west-ridge type
- U.S. model also indicates the south-ridge type may occur
- The west-ridge type is associated with wet conditions over the PNW and dry over southern and central CA
- The south-ridge type is associated with wet conditions over northern CA and the PNW

CW3E Subseasonal Ridging Outlook (Uses NCEP CFSv2 model)

