

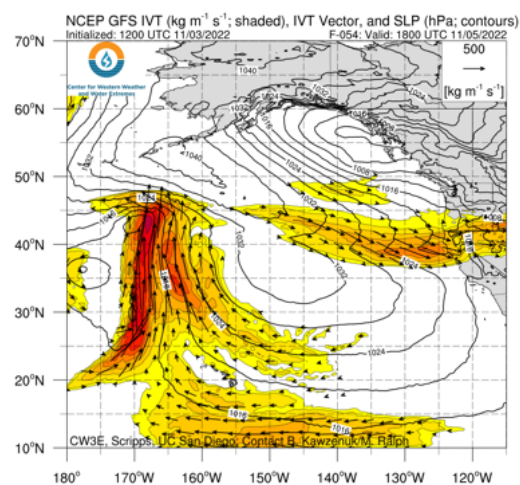
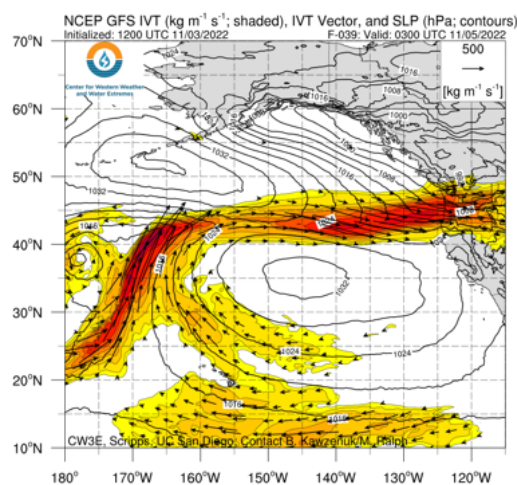
Latest Update on Active Weather Pattern Over California

Updated: 03 November 2022

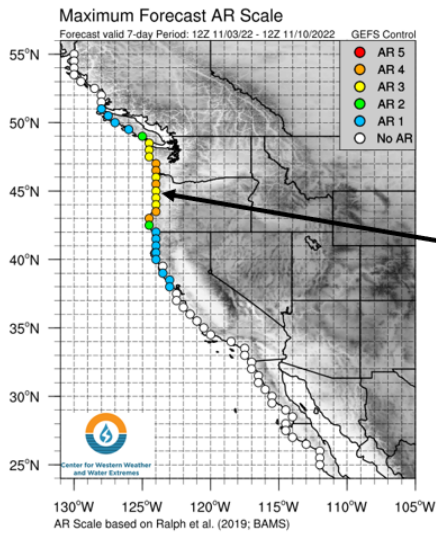
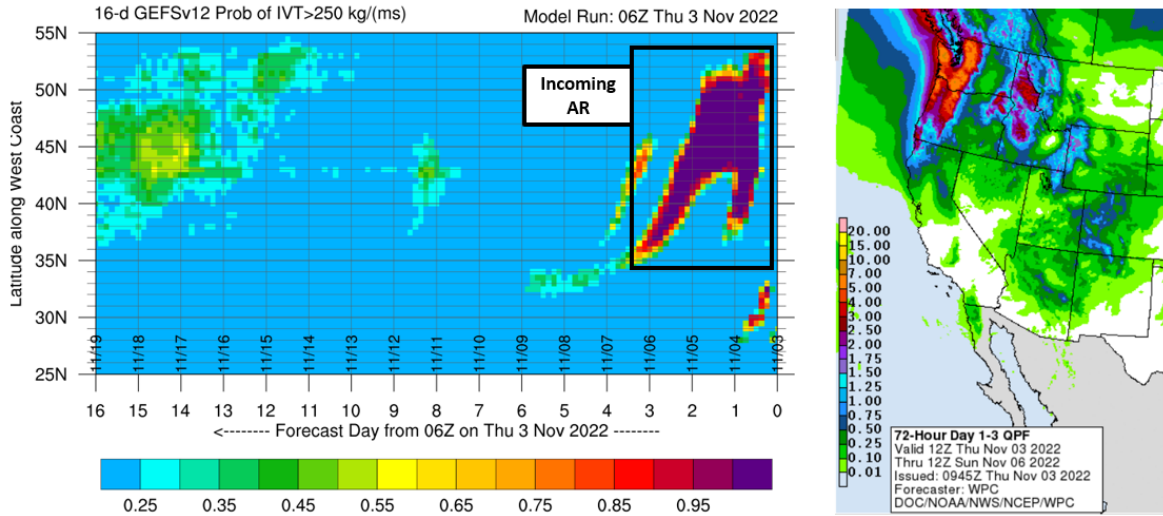
A quick look at the strong atmospheric river (AR) that is currently impacting the Pacific Northwest through Saturday.

Forecast Highlights:

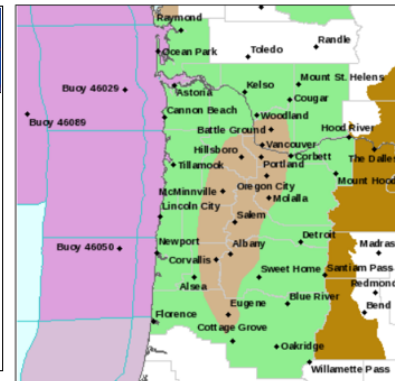
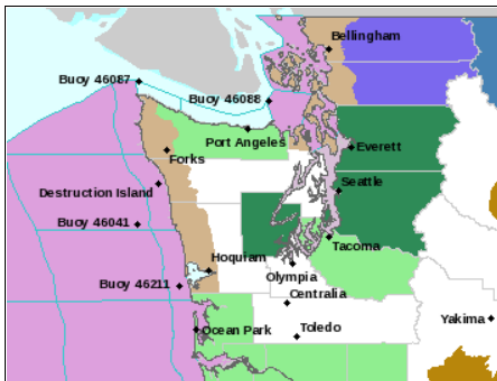
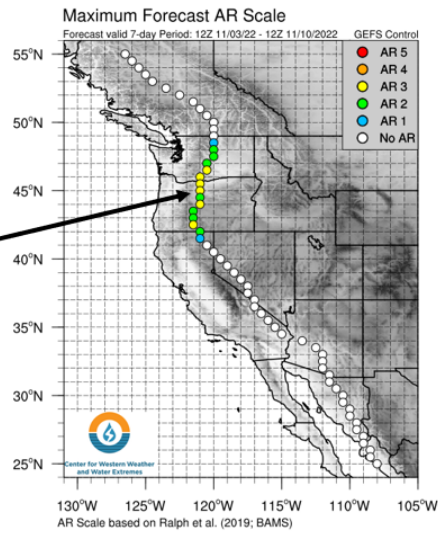
- AR 3/4 conditions are still forecast for the Pacific Northwest through Saturday
- The GEFS landfall tool has continued to increase the probability of AR conditions ($IVT > 250 \text{ kg m}^{-1} \text{ s}^{-1}$) over the Pacific Northwest
- The Weather Prediction Center (WPC) is forecasting more than 5 inches of total precipitation in portions of western Washington and Oregon over the next 3 days
- The GEFS is also forecasting AR 2/3 conditions extending into inland portions of Washington and Oregon which help to bring up to 4 inches of total precipitation into northeastern Oregon and Idaho
- After the AR moves onshore it is expected to propagate down the US West Coast and dissipate as it moves into central California. This will bring AR 1 conditions southward to the Bay Area with lighter precipitation amounts of 2-3 inches into coastal areas of Northern California
- In association with this event, the NWS has posted flood watches for the Washington Cascades and hydrologic outlooks for areas within Washington and Oregon
- The NWS Northwest River Forecast Center is forecasting the Snoqualmie river near Carnation to rise to near Major Flood stage during the early morning hours on Saturday
- The WPC has issued an excessive rainfall forecast indicating the potential for high rainfall rates in the vicinity of recent burn scars in the western foothills of the Washington Cascades



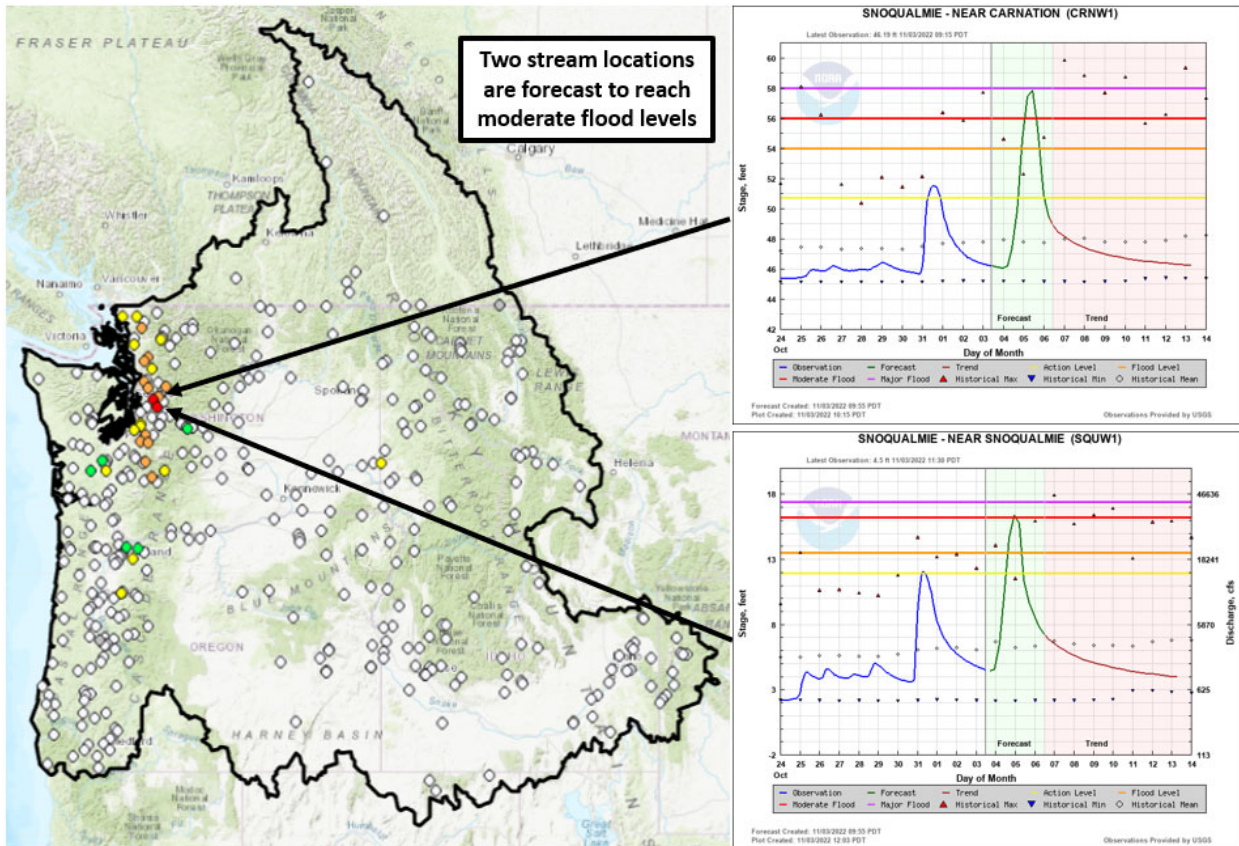
Stay tuned to the CW3E webpage for a full AR Update



Inland Penetration of AR2/3 conditions



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Additional Considerations:

- Visit <https://nwrfc.noaa.gov/> for specific river and stream forecasts and <https://www.weather.gov/> for point specific watches, warnings, and forecasts.

In-depth AR forecasts products can be found here:
<http://cw3e.ucsd.edu/iwv-and-ivt-forecasts/>

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