



Latest Update on Low-Pressure System Forecast to Impact US West Coast *Updated: 20 March 2024*

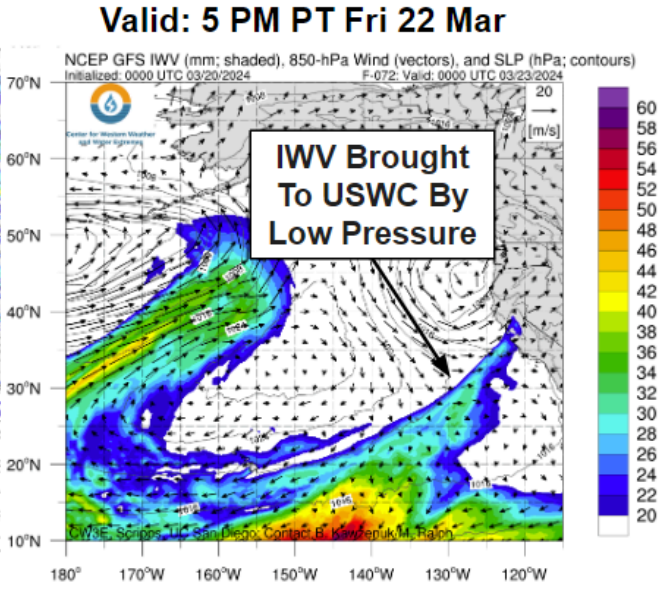
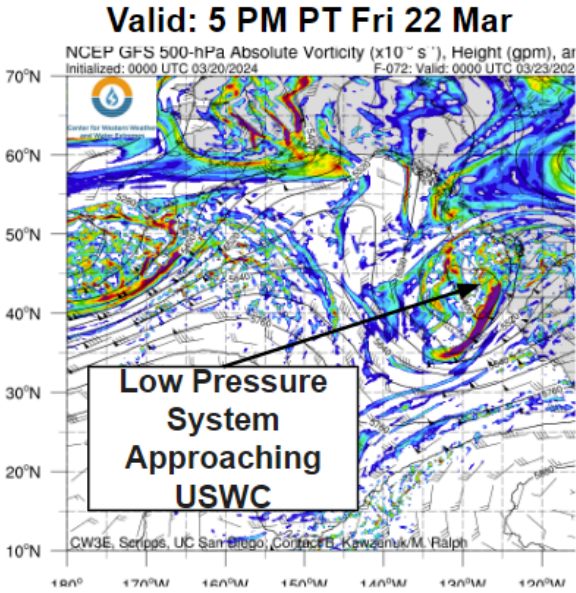
An upper-level low-pressure system developing in the Northeast Pacific will move eastward and approach the US West Coast Friday 22 Mar, bringing precipitation to the US West Coast throughout the weekend.

Forecast Highlights:

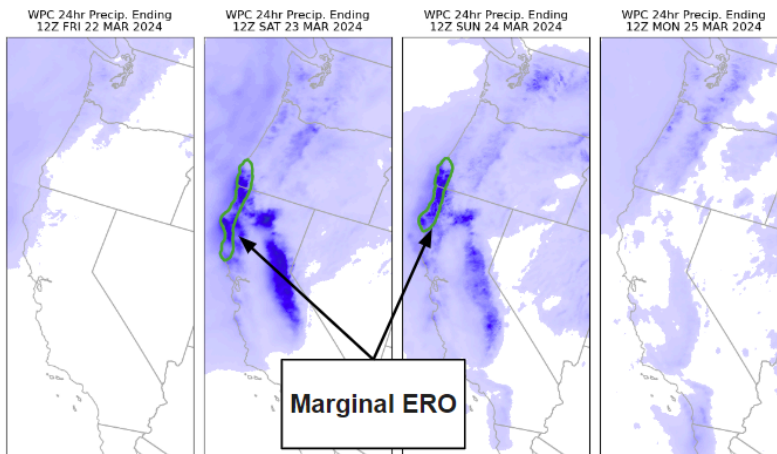
- An upper-level low-pressure system developing in the Northeast Pacific is forecast to approach the US West Coast Friday 22 Mar and move inland by midday Sunday 24 Mar.
- This low-pressure system is forecast to bring widespread light-to-moderate precipitation to the US West Coast throughout the weekend.
- The Weather Prediction Center (WPC) is forecasting at least one inch of precipitation across the Cascades, Sierra Nevada and coastline from Northern California to Washington.
- The highest forecast precipitation totals are over the Sierra Nevada and along the California/Oregon border, where 3+ inches of precipitation are forecast for the 72-hour period ending 5 PM PT Monday 25 Mar.
- While significant hydrologic impacts are not expected, WPC has issued a marginal risk excessive rainfall outlook (ERO) in the Northern CA/Southern OR Coast Ranges for the 24-h periods ending 5 AM PT Sat Mar 23 and 5 AM PT Sun Mar 24.
- Snowfall is also expected at elevations above 4000 feet as the snow level is forecast to fall with this system.
- The National Blend of Models (NBM) is forecasting 12+ inches of snowfall along the highest peaks of the Cascades and across much of the Sierra Nevada, with 18+ inches along the highest peaks of the Sierra Nevada for the 72-hour period ending 5 PM PT Monday 25 Mar.
- The WPC's Winter Storm Severity Index is showing potential for moderate impacts over the Sierra Nevada as a result of the potential snowfall with this system.

Stay alert to official NWS forecasts, watches, and warnings at [weather.gov](https://www.weather.gov) and follow guidance from local emergency management officials

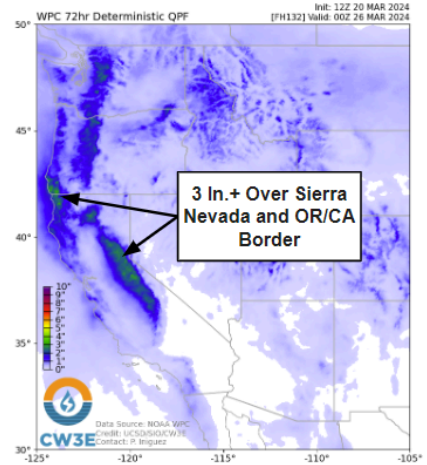
Stay tuned to the CW3E webpage for a full AR Update



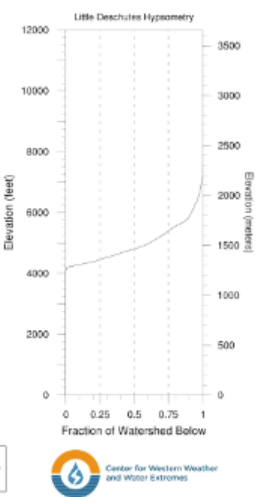
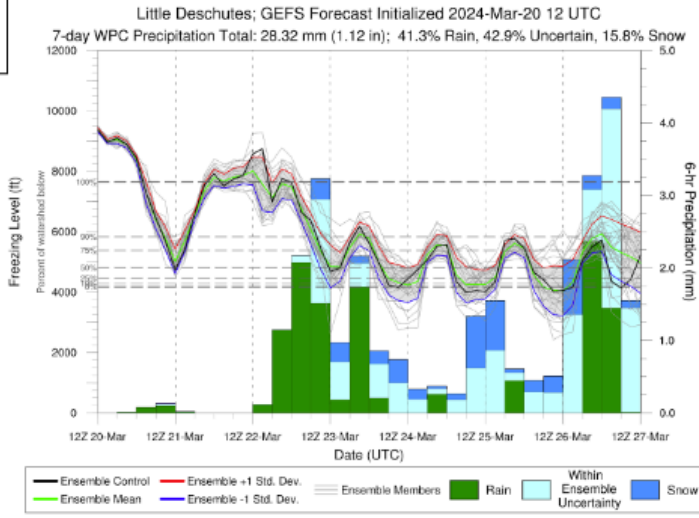
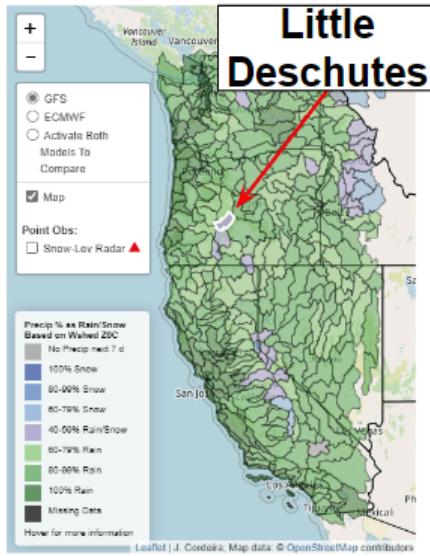
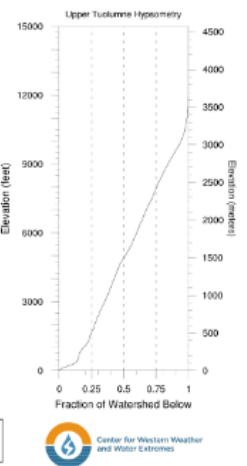
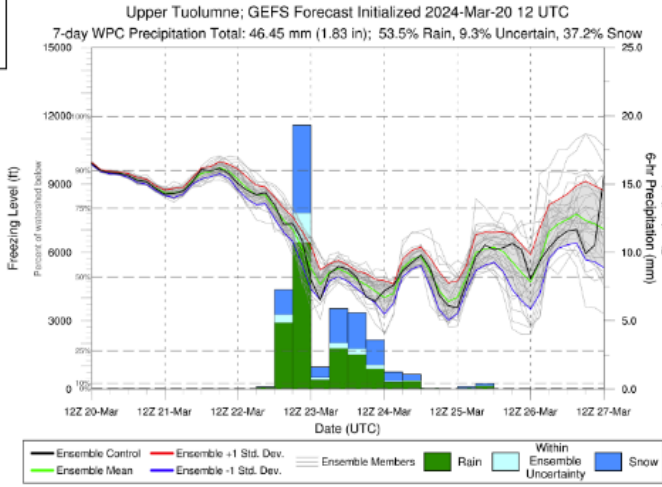
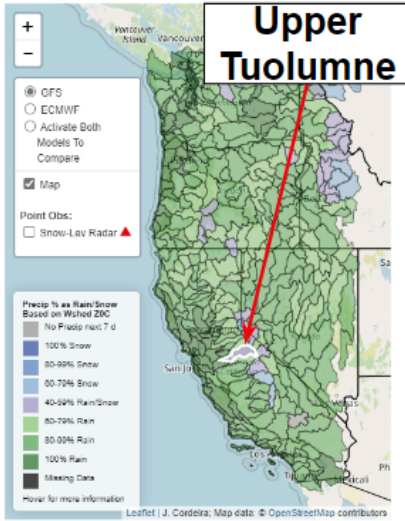
WPC Days 2-5 QPF: Periods Ending 5 AM PT 22-25 Mar



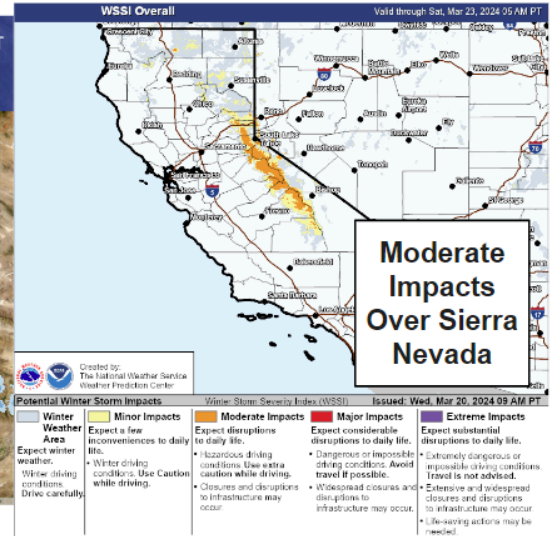
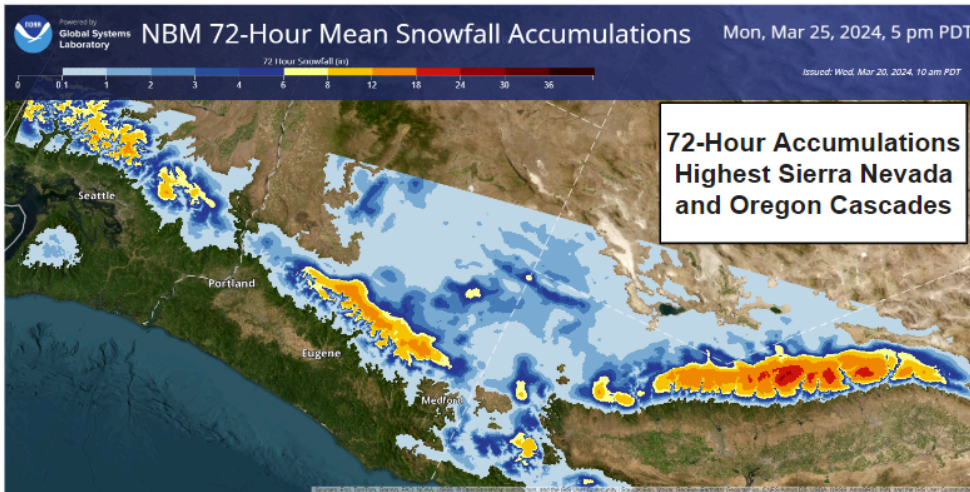
WPC 7-Day QPF: Period Ending 5 PM PT Mon 25 Mar



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Additional Considerations:

- Visit <https://www.nwrfc.noaa.gov/> and <https://cnrfc.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/>

Update by M. Steen

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