

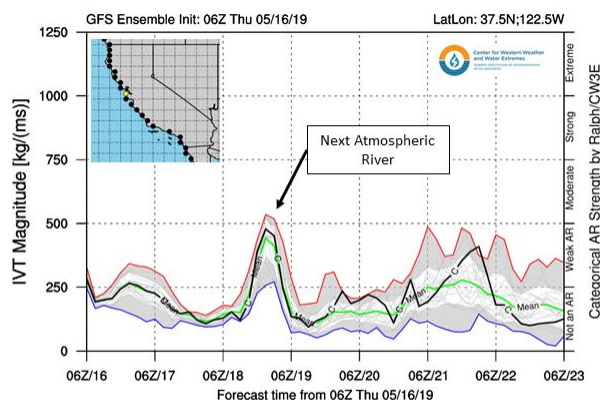
## Latest Update on Late Season Atmospheric River Activity over California

Updated: 16 May 2019

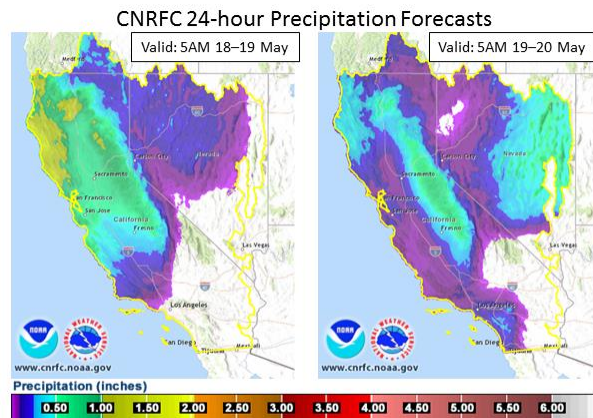
Global forecast models are currently forecasting the current atmospheric river (AR) to dissipate over Southern California later this afternoon, while an additional AR is expected to make landfall this weekend.

### Forecast Highlights:

- Precipitation from the current AR over Southern California is forecast to end between 2 and 5 PM PDT.
- ~0.25 to 1.25 inches of precipitation has fallen prior to 10 AM over portions of Southern California.
- An additional AR is forecast to make landfall over Central California on Saturday around 8 AM, bringing AR conditions to much of the state through Sunday.



GFS Ensemble Forecast IVT Magnitude for Coastal San Francisco Bay Area



CNRFC's 24-hour Precipitation Forecast for Saturday and Sunday (18 & 19 May)

***The GFS suggests the next AR could bring IVT magnitudes as high as  $450 \text{ kg m}^{-1} \text{ s}^{-1}$  and ~12 hours of AR conditions to the San Francisco Bay Area.***

- The California-Nevada River Forecast Center is forecasting an additional 0.25 to 1.5 inches of precipitation across the state on Saturday and Sunday, with the highest accumulations forecast for higher elevations.
- With low freezing levels associated with both systems (~5,000 feet), numerous locations across the Sierra-Nevada Mountains could receive >12 inches of snow by the beginning of next week.

### Additional Considerations:

- The CNRFC is currently forecasting no rivers or streams to rise above flood stage due to the current AR or the AR forecast to make landfall this weekend.
- Visit <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/>

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Stay tuned to the CW3E webpage for a full AR Update