

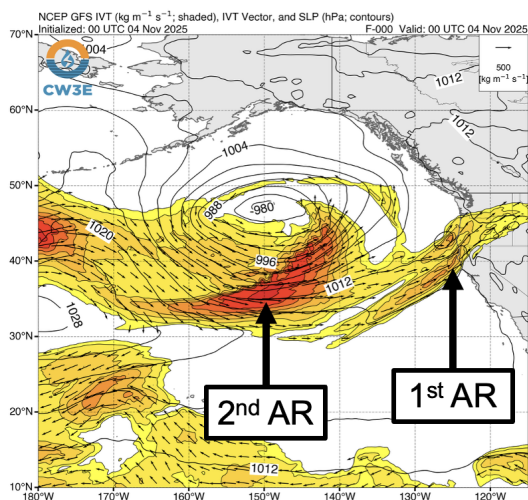
Quick Summary of Recent Atmospheric Rivers in the Pacific Northwest and Northern California

Updated: 10 November 2025

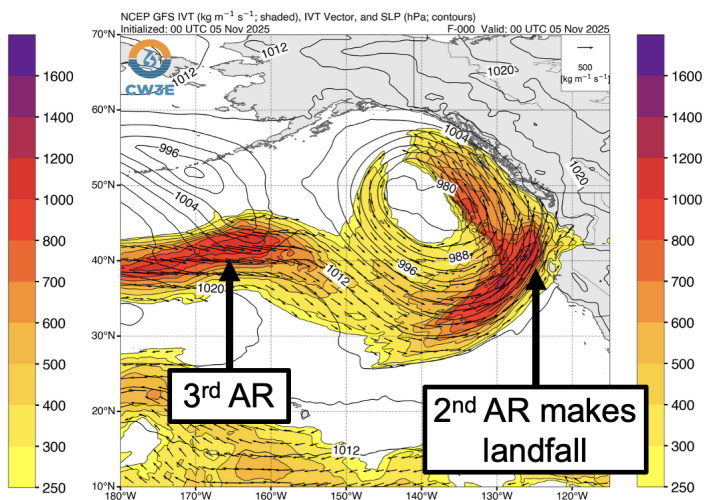
- A sequence of three atmospheric rivers (ARs) made landfall over the US West Coast between Mon 3 Nov and Thu 6 Nov.
- The first AR made landfall early Mon 3 Nov, bringing weak AR conditions ($\text{IVT} < 500 \text{ kg m}^{-1} \text{ s}^{-1}$) to Oregon and northern California.
- As the first AR stalled over northern California, a stronger AR associated with a large area of low pressure approached the US West Coast, eventually merging with the first AR and making landfall during the afternoon of Tue 4 Nov.
- A third AR quickly followed the second AR, making landfall the morning of Thu 6 Nov.
- The first AR ranked as an AR 1 (based on the Ralph et al. 2019 AR Scale) over southern coastal Oregon.
- The second AR produced strong AR conditions ($\text{IVT} \geq 750 \text{ kg m}^{-1} \text{ s}^{-1}$) between northern coastal Oregon and the Bay Area. An AR 4 was observed in Mendocino County, where AR conditions persisted for ≥ 48 hours due to the lack of a break in AR conditions between the first and second AR.
- An AR 4 was also observed over much of coastal Oregon due to the combination of strong AR conditions during the second AR and the lack of a break in AR conditions between the second and third ARs.
- These three ARs produced 4–8 inches of total precipitation in portions of the Olympic Peninsula, Washington Cascades, Oregon Coast Ranges, Klamath Mountains, southern Cascades, and Northern California Coast Ranges.
- The second and third ARs also produced significant snowfall (12–36 inches) in the higher terrain of the North Cascades.
- While the region generally avoided significant riverine flooding, several stream gages in western Washington crested above action/monitor stage, and one station (the Skokomish River near Potlatch) exceeded moderate flood stage.
- Several landslides were reported in northern California due to heavy rainfall during the second AR. The low-pressure system associated with the second AR also produced damaging winds in coastal and high-elevation interior areas in Oregon and California.
- The combination of strong onshore flow and astronomical high tide resulted in coastal flooding between the Olympic Peninsula and the Bay Area. The tide gauge at Point Chehalis in Westport, WA, peaked at 3.15 feet above mean higher high water (MHHW), exceeding the threshold for major flooding.

GFS IVT & SLP Analyses

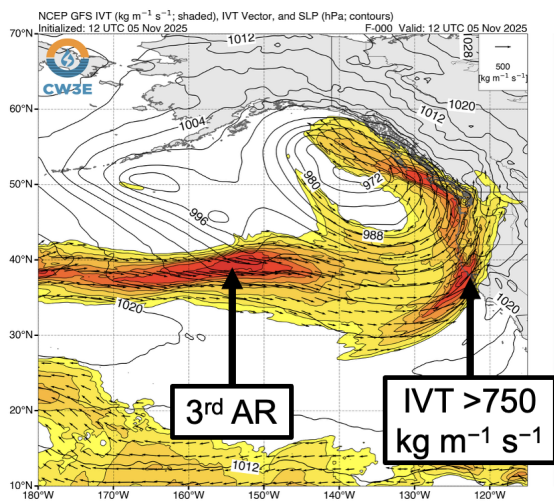
Valid 4 PM PT 3 Nov



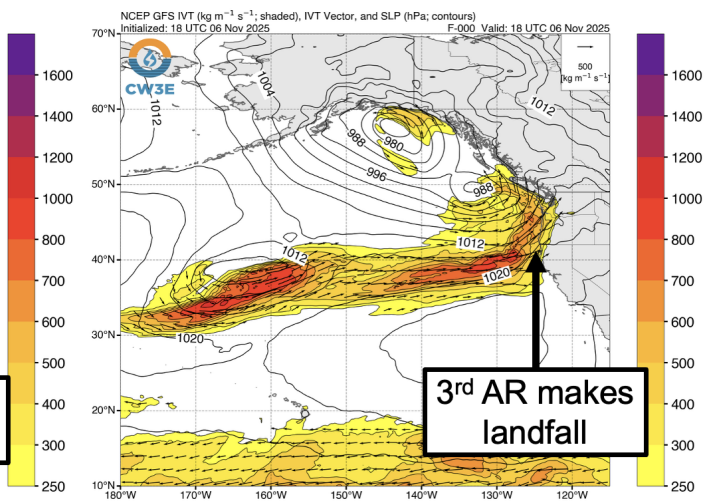
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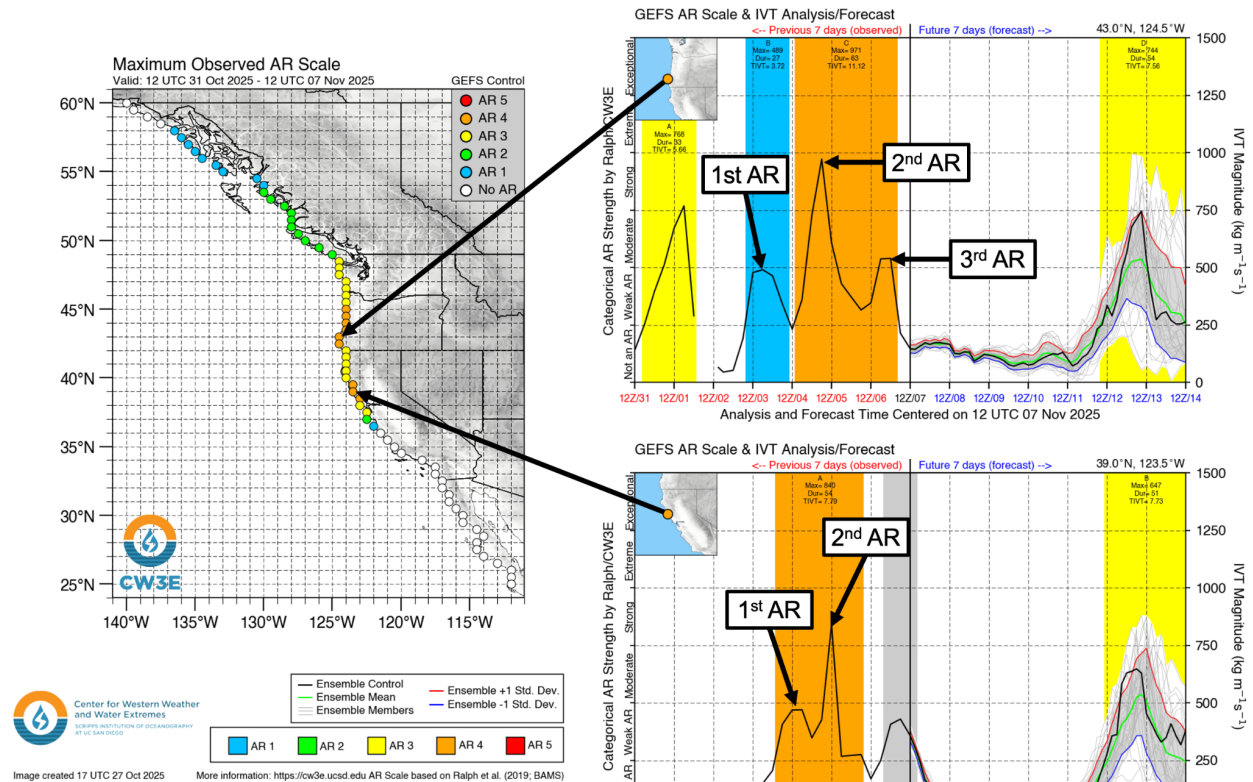


Valid 4 AM PT 5 Oct



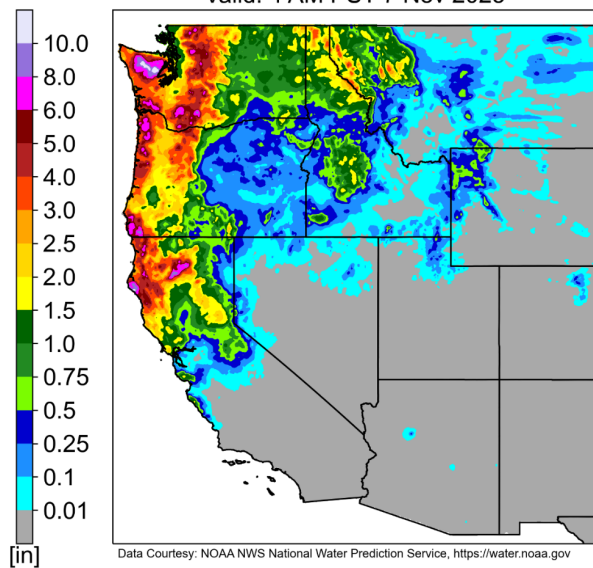
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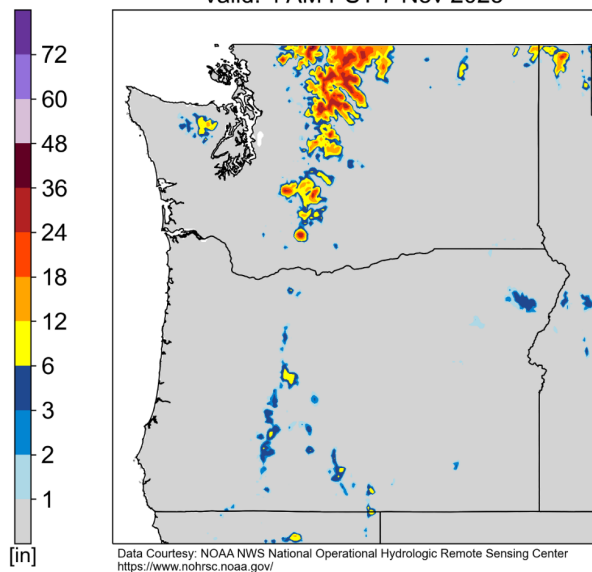
NWS Stage IV 96-h QPE

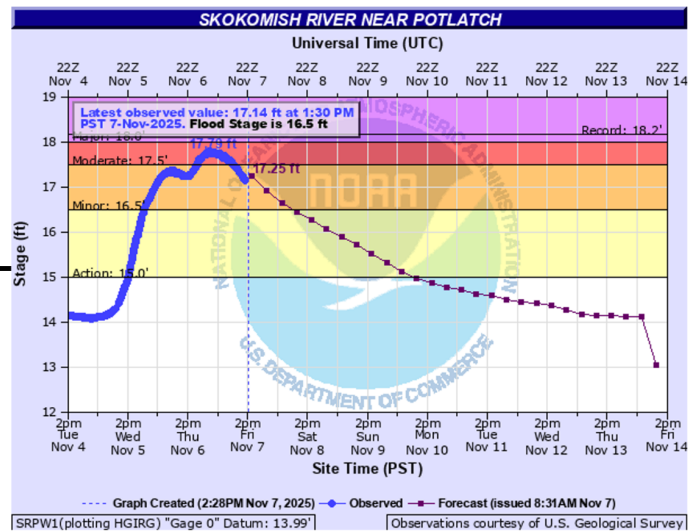
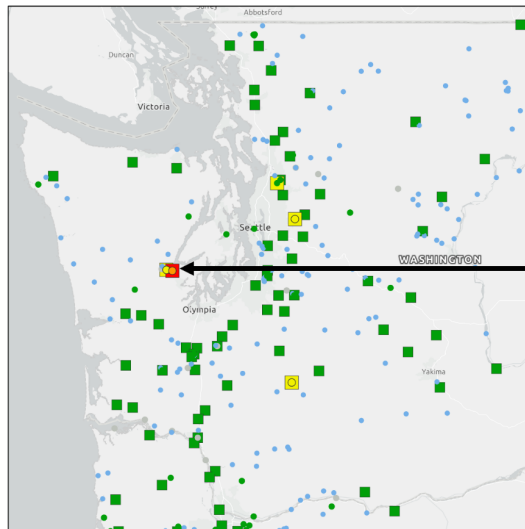
Valid: 4 AM PST 7 Nov 2025



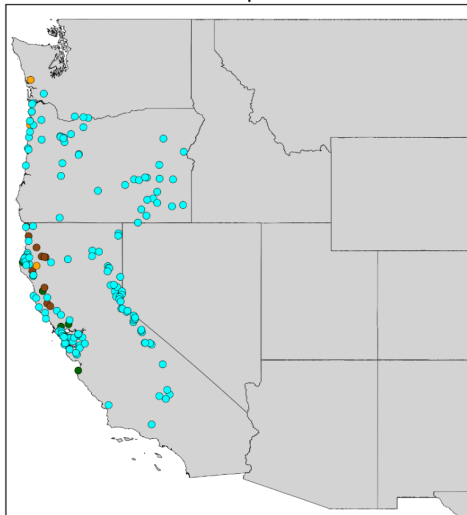
NWS 48-h Snowfall Analysis

Valid: 4 AM PST 7 Nov 2025





NWS Local Storm Reports: 4-7 Nov 2025



Data Courtesy: Iowa Environmental Mesonet, <https://mesonet.agron.iastate.edu/>

- Flooding
- Landslides
- Severe Wx
- Wind

