"Getting Ready For Flood Season"

Chehalis River Basin Flood Warning System

Update 9/21/2021

DAVID C CURTIS, PHD WEST CONSULTANTS

Routine Activities

- Weekly remote monitoring of Flood Authority gauges operated by WEST.
 Rain, Temperature, Stream, Webcams
 Quarterly visits to gauge sites.
 Emergency responses as needed.
 Low battery
 Communication failure
 - ► Vandalism

Riverside rain gauge

New and Renewed Permits

- Cedar Creek (DNR) permit has been secured through 2026
- Haywire (Green Diamond) permit has been secured through 2025.
- Weyerhaeuser permit for multiple gauges secured until 8/3/2023





Gauge Relocations

ROCK-WEYCO rain gauge removed

- Replaced with MASON FD13 AT CLOQUALLAM
- Haywire Ridge rain gauge moved
- Next up Fire conditions permitting
 - Brooklyn rain gauge
 - Skookumchuck rain gauge
 - Chehalis River below Thrash Creek



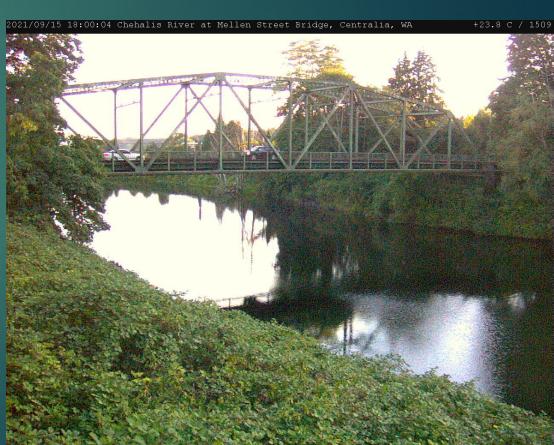
Haywire Gauge

Mason FD Gauge At Cloquallam

Webcams

- Webcam at Monte Elma Rd bridge has been removed due to vandalism. 5/4/2021
- A new webcam location on the Lower Satsop has been investigated and is ready for deployment when landowner permission is secured.
- Time lapse video at Mellon Street.

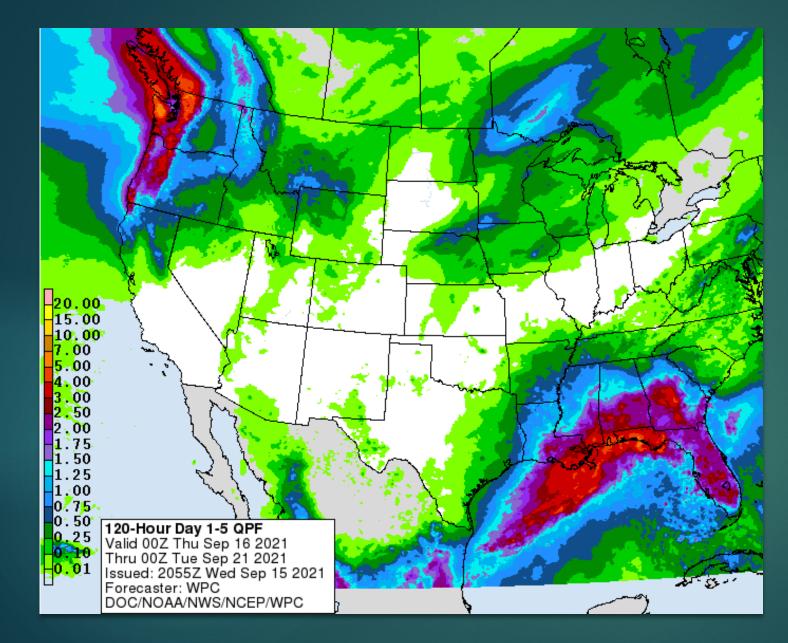
Looking upriver at Mellen Street bridge



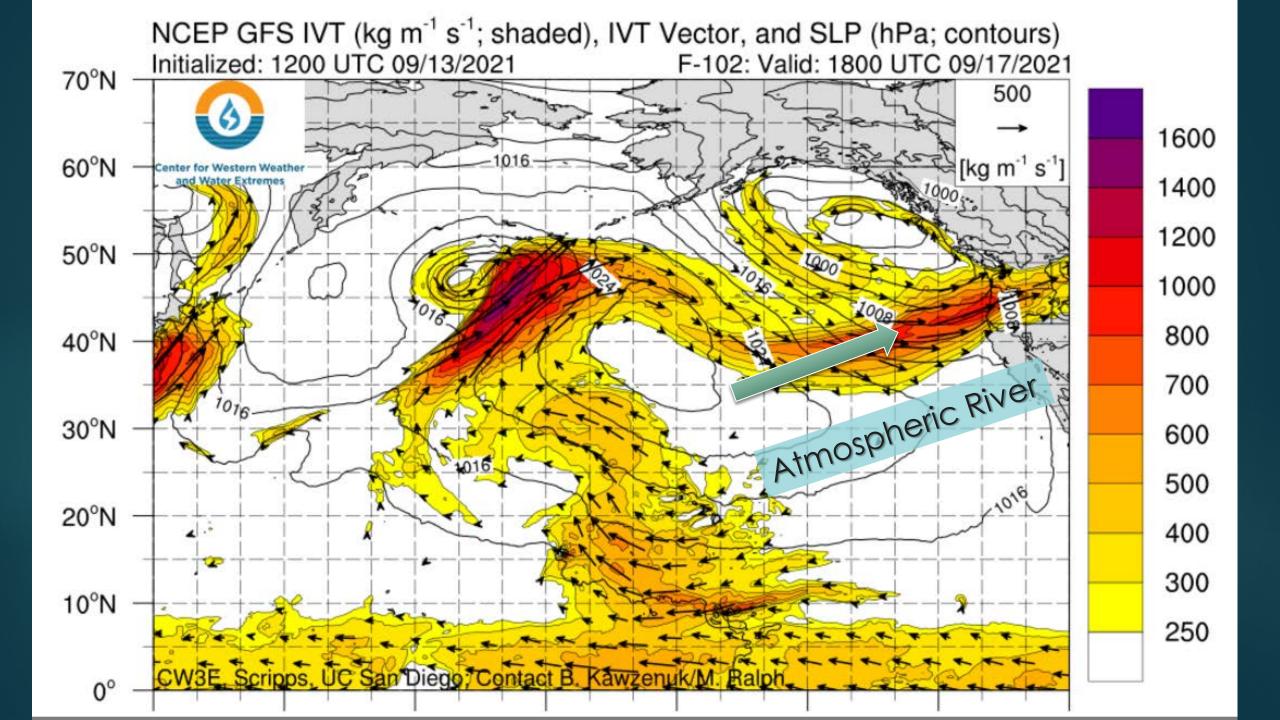
Chehalis River at Montesano Gauge







Rainfall this weekend. Atmospheric River!!



Fri, Sep 17, 2021, 11:00 AM to Sat, Sep 18, 2021, 11:00 AM

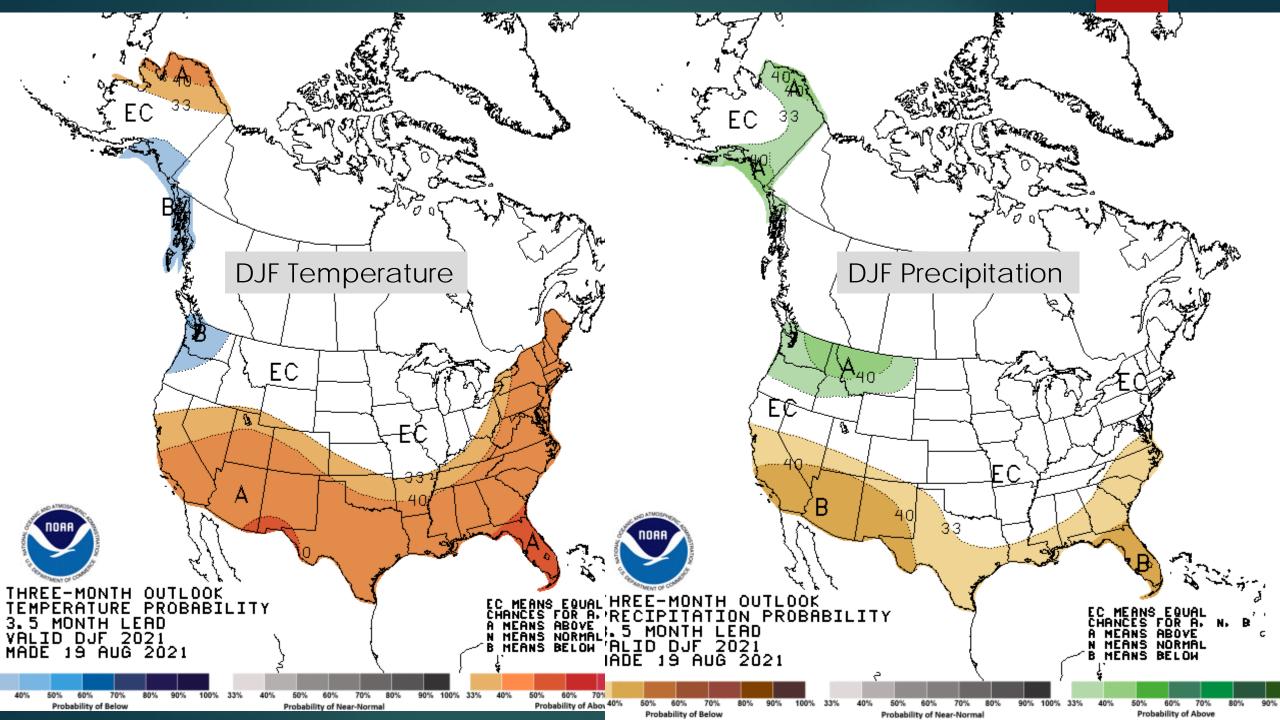
Amount of Rainfall

80% of the time the amount of rainfall at the displayed location will fall between the given range. A wider range represents less certainty in the forecast.







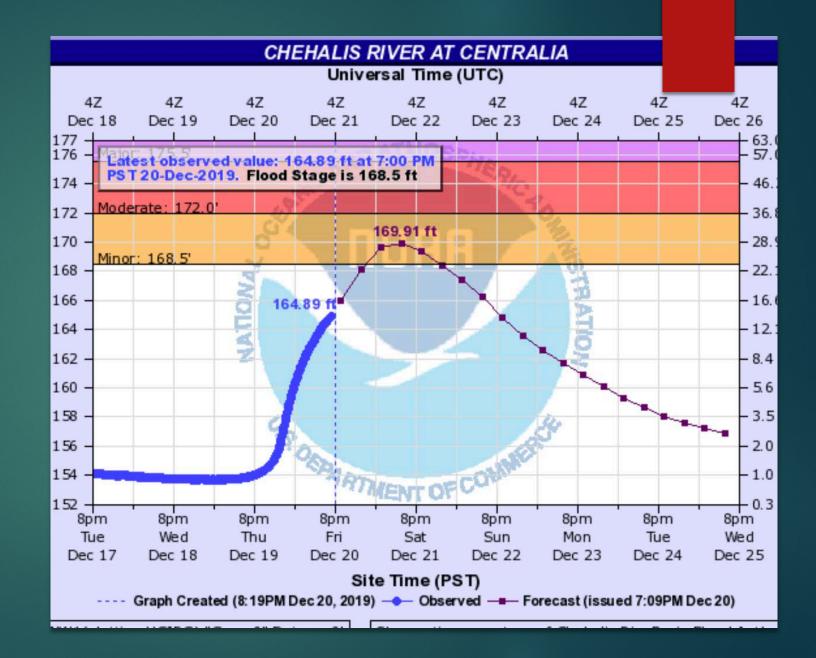


Forecast Highwater Alerts

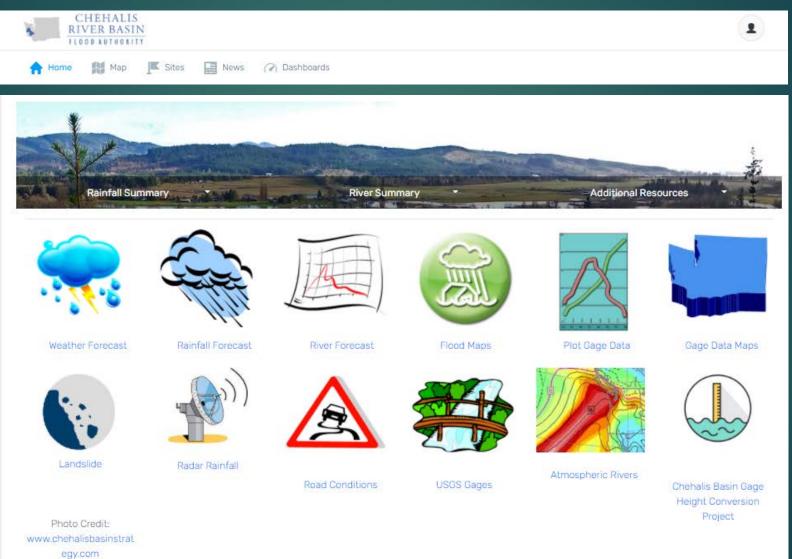
► Example:

The Chehalis River at Centralia is expected to exceed flood stage in **11** hours.

Pilot project volunteers?



Virtual Training



Mark your calendar:

21st Annual Pre-Winter Flood Meeting. Monday, October 25th from 1-5pm Jester Auto Museum

