

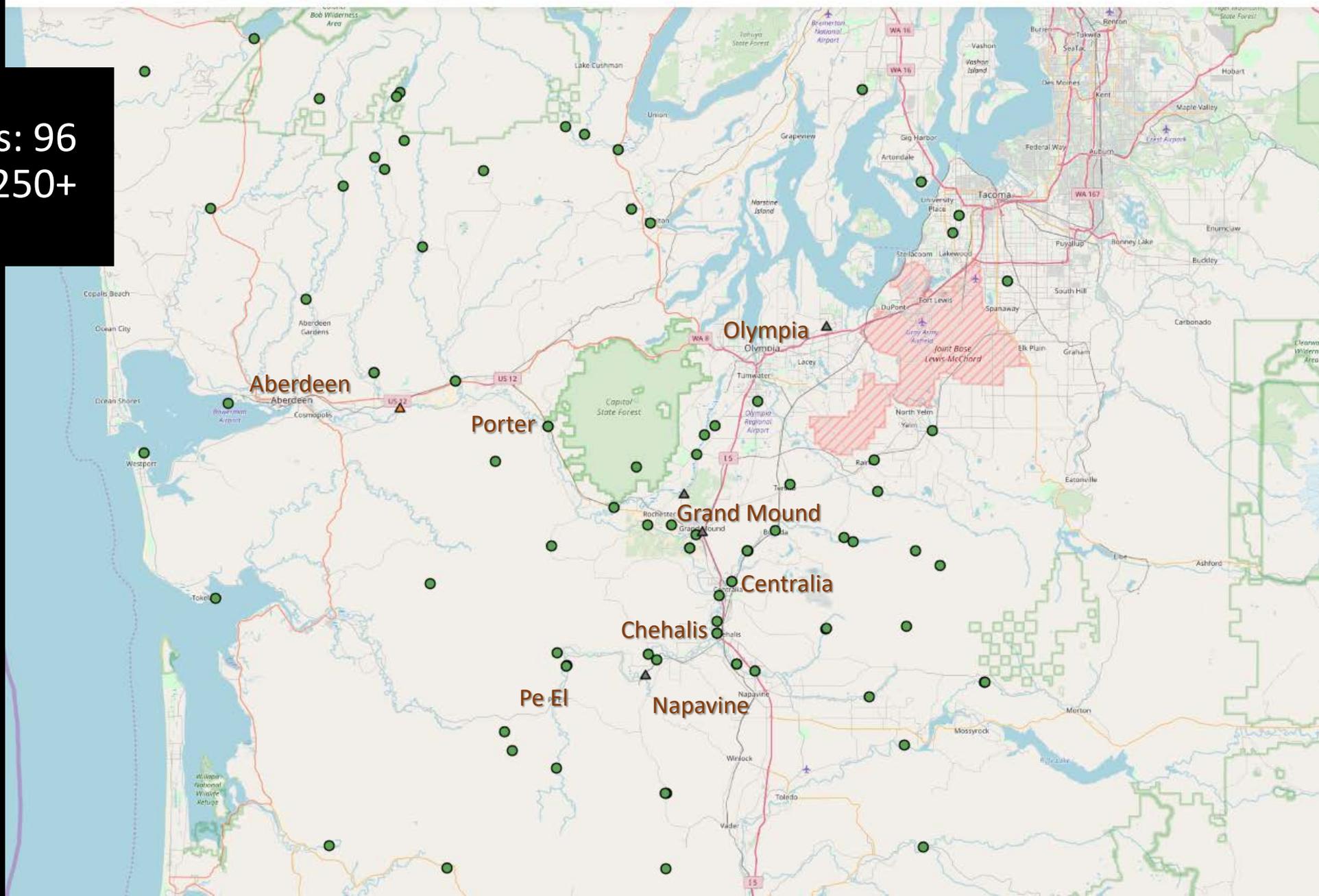
Chehalis Flood Warning System Update

January 21, 2021

David C. Curtis, PhD

Scott Boettcher

Sites: 96
Sensors: 250+



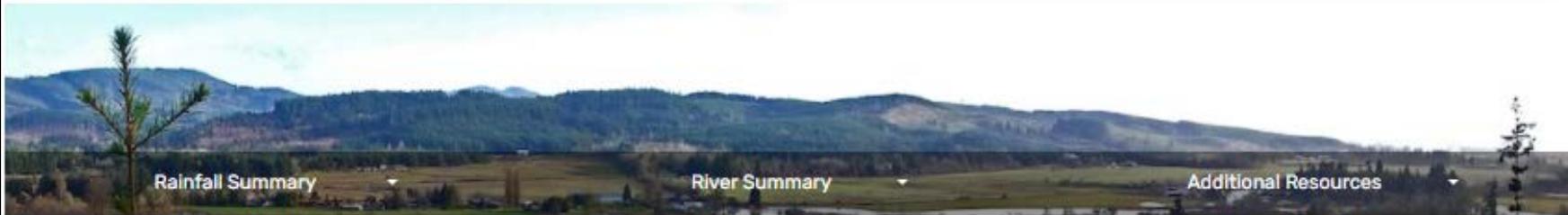


Sign up for 2020-21 High Water ALERTS

Flood season is here. The Chehalis River Basin Flood Warning System (www.chehalisriverfood.com) is a tool to help you be aware, be prepared. The Chehalis River Basin Flood Authority calls your attention to the following opportunity:

- *Sign-Up Now To Receive 2020/21 Email High Water Alerts* -- The Chehalis River Basin Flood Warning System has the capability to send email alerts to anyone interested in receiving notification about rising river levels from key river gages in the Chehalis Basin. To sign-up for email alerts for the 2020/21 flood season please follow the directions [here](#). Comments or questions can be directed to Scott Boettcher, Chehalis River Basin Flood Authority, 360/480-6600, scottb@sbgh-partners.com.

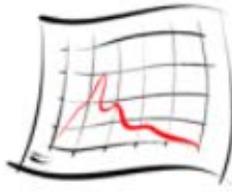
11/14/2020 08:57:44



Weather Forecast



Rainfall Forecast



River Forecast



Flood Maps



Plot Gage Data



Gage Data Maps



Landslide



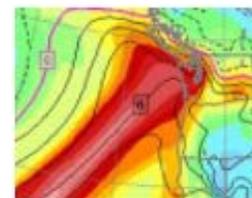
Radar Rainfall



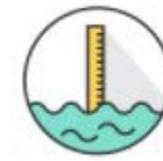
Road Conditions



USGS Gages

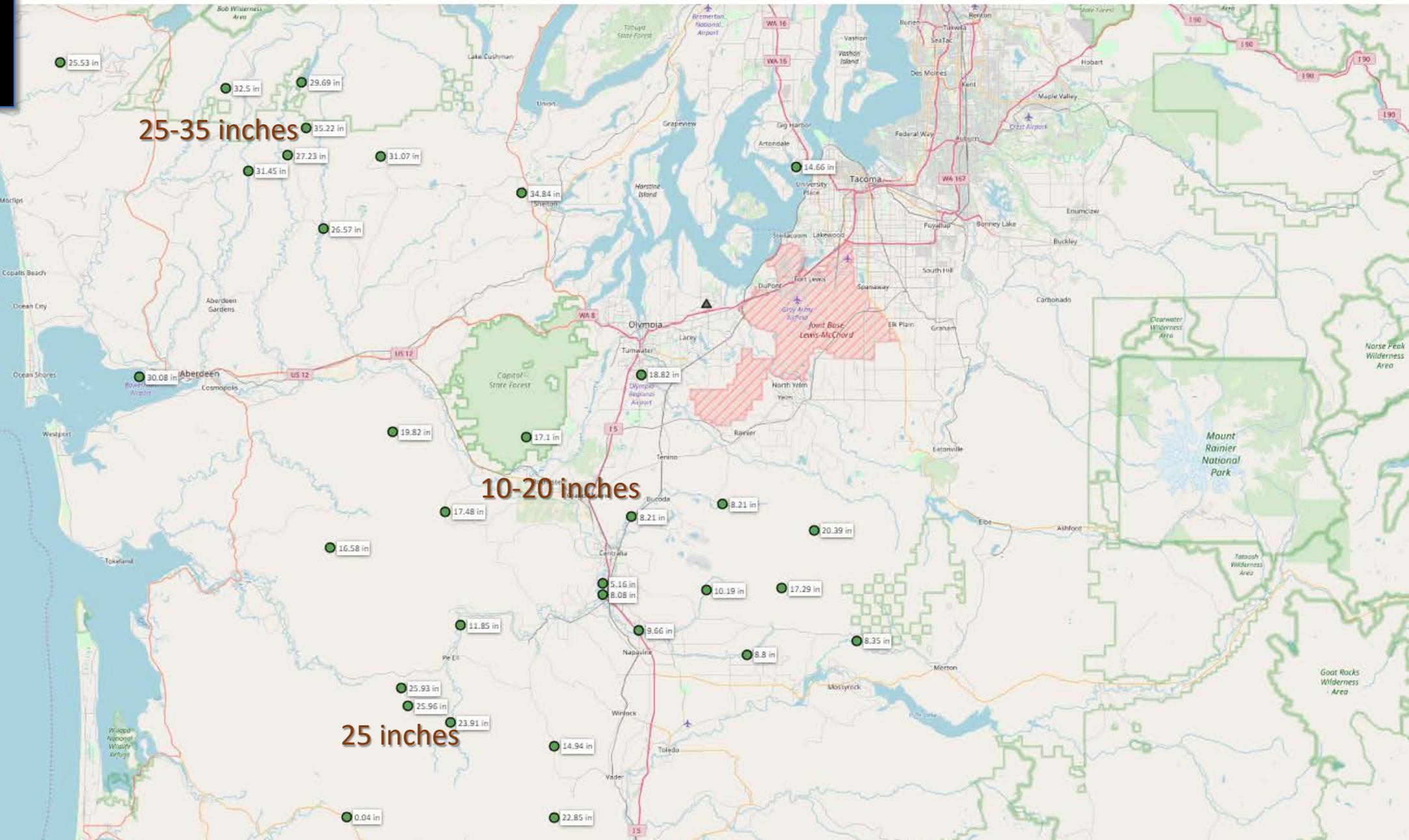


Atmospheric Rivers



Chehalis Basin Gage Height Conversion Project

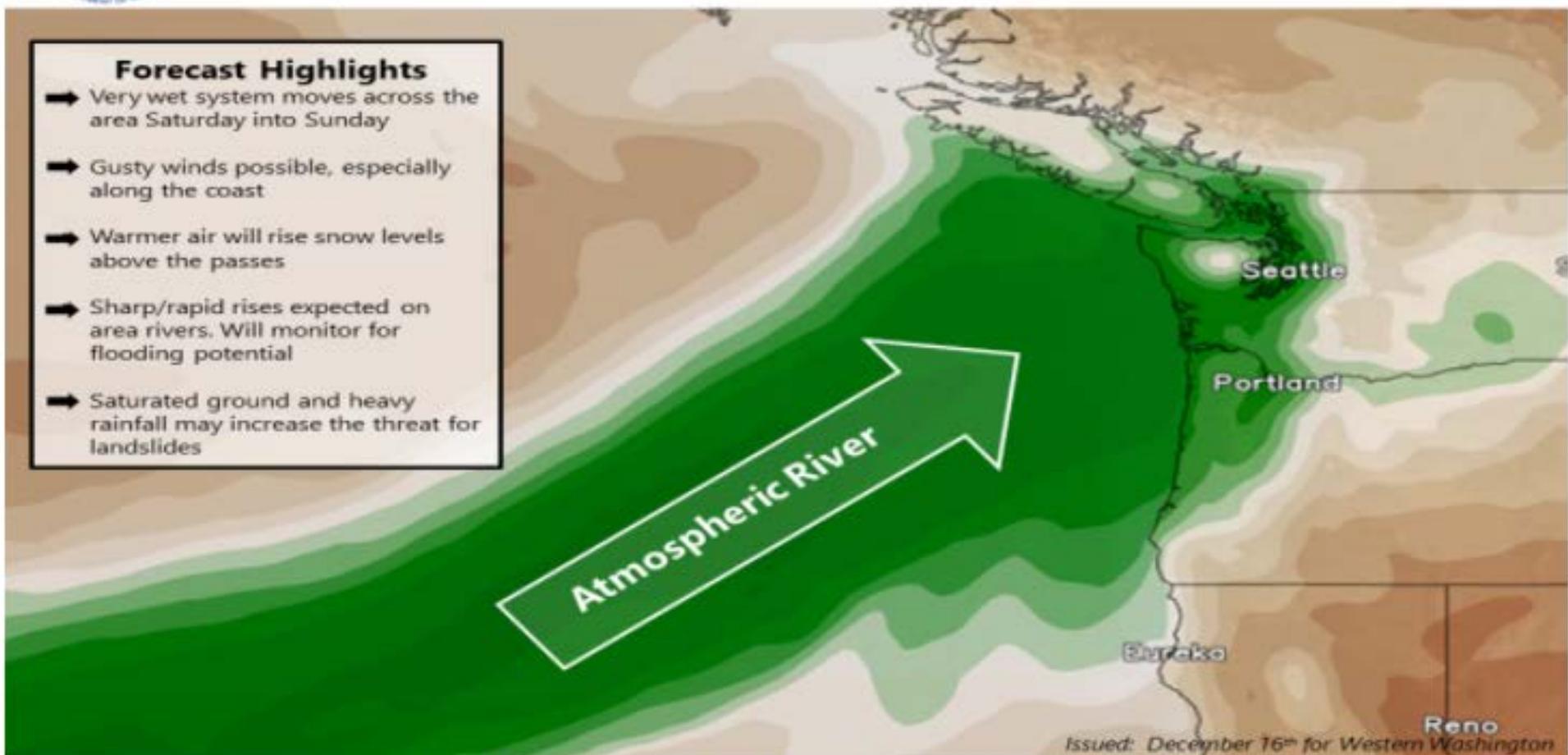
January 20, 2021
Total Rainfall
Past 30 days





Wet Weekend on the Way

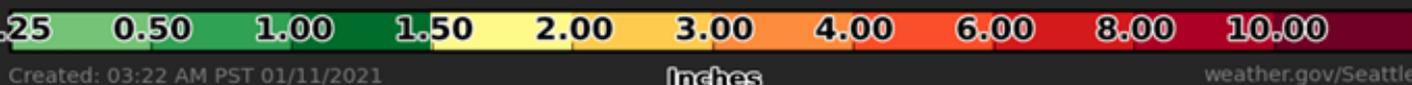
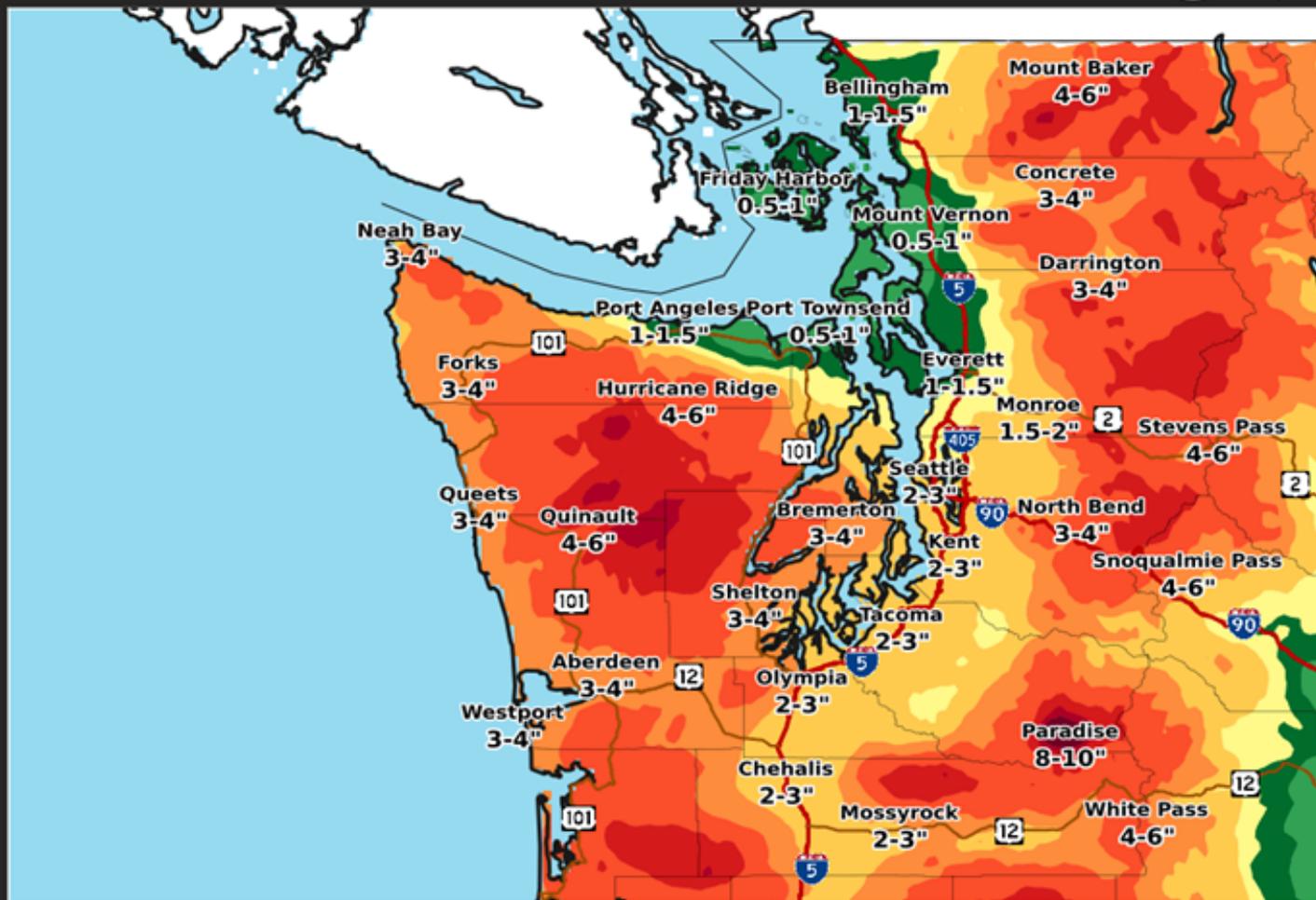
Saturday December 19 – Sunday December 20, 2020



A very wet system this weekend could lead to river flooding and increase the threat for landslides. Gusty winds are possible, especially for the Coast. Keep an eye on the latest forecasts regarding this weekend, especially if you live near a river.

Precipitation Forecast: Monday - Wednesday

NWS SEATTLE



Created: 03:22 AM PST 01/11/2021

weather.gov/Seattle

Timing

Monday - Wednesday

Heaviest Mon Night – Tues AM & Tues Night – Weds AM

Potential Impacts



Urban and roadway flooding



River and small stream flooding



Elevated landslide threat

Safety Tips



Never drive through flooded roadways.

Turn around, don't drown!



Be aware if you live near streams and creeks!

Graph

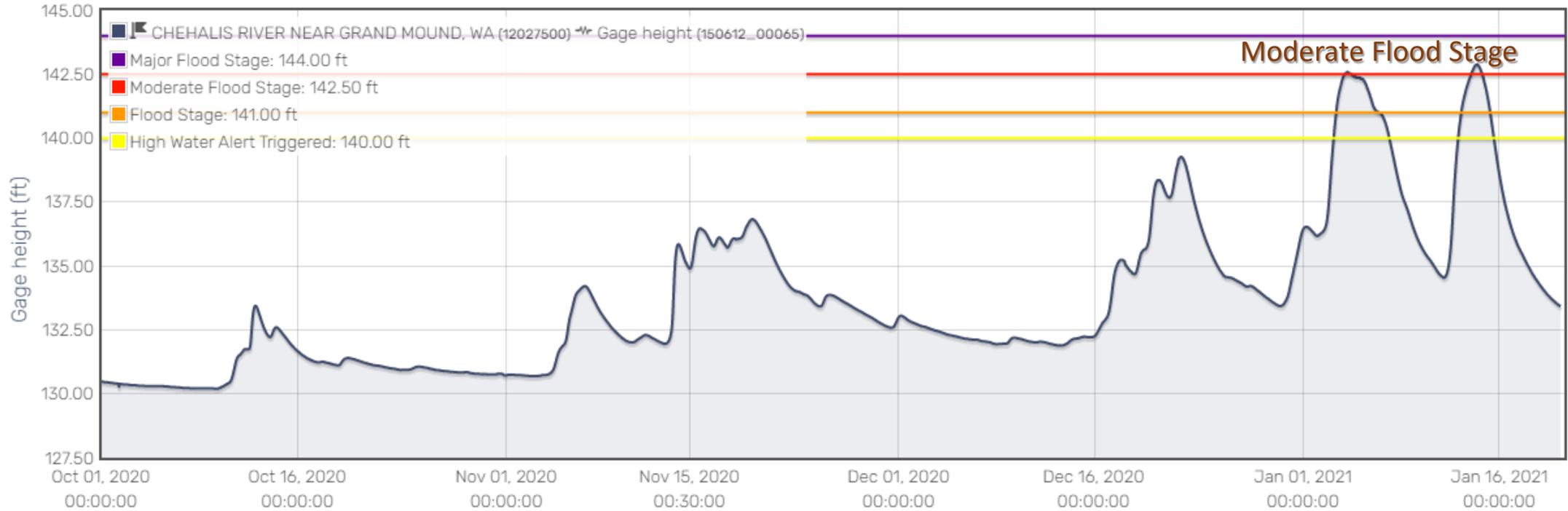
Reload

Home > Sites > CHEHALIS RIVER NEAR GRAND MOUND, WA (12027500) > Gage height (150612_00065) > Graph

01 October, 2020 - 20 January, 2021

Markers Legend Thresholds

+ Add



High Water Alerts

Newaukum River near Flood Stage



notification@onerain.com

To  David Curtis

The Newaukum River near Chehalis is nearing flood stage of 202.5 ft.

The Alert stage at Newaukum River near Chehalis is experimentally set at 201.5 ft.
The highest stage at Newaukum River near Chehalis between 2014-2018 was approximately 205.4 ft.

Click on link below for NWS river forecast

<http://goo.gl/KM55ER>

Be aware, be prepared.

You are receiving this email because you are signed up to receive alerts from the Chehalis River Basin Flood Warning System (www.chehalisriverflood.com).

[USE CAUTION - EXTERNAL SENDER] Do not click on links or open attachments that are not familiar.

Season-to-Date

Individuals	252
Gauge signups	1314
Alerts delivered	2852

Looking upriver from Montesano WWT

Images limited to daylight hours.

Wynoochee River at Montesano, WA

Latest



2021-01-03 16:47:44



Looking upriver at Mellen Street bridge

Images provided throughout the day.

Chehalis River at Centralia, WA

Latest



2021-01-03 16:45:31



Looking upriver from Monte Elma Rd bridge

Images limited to daylight hours.

Satsop River near Satsop, WA

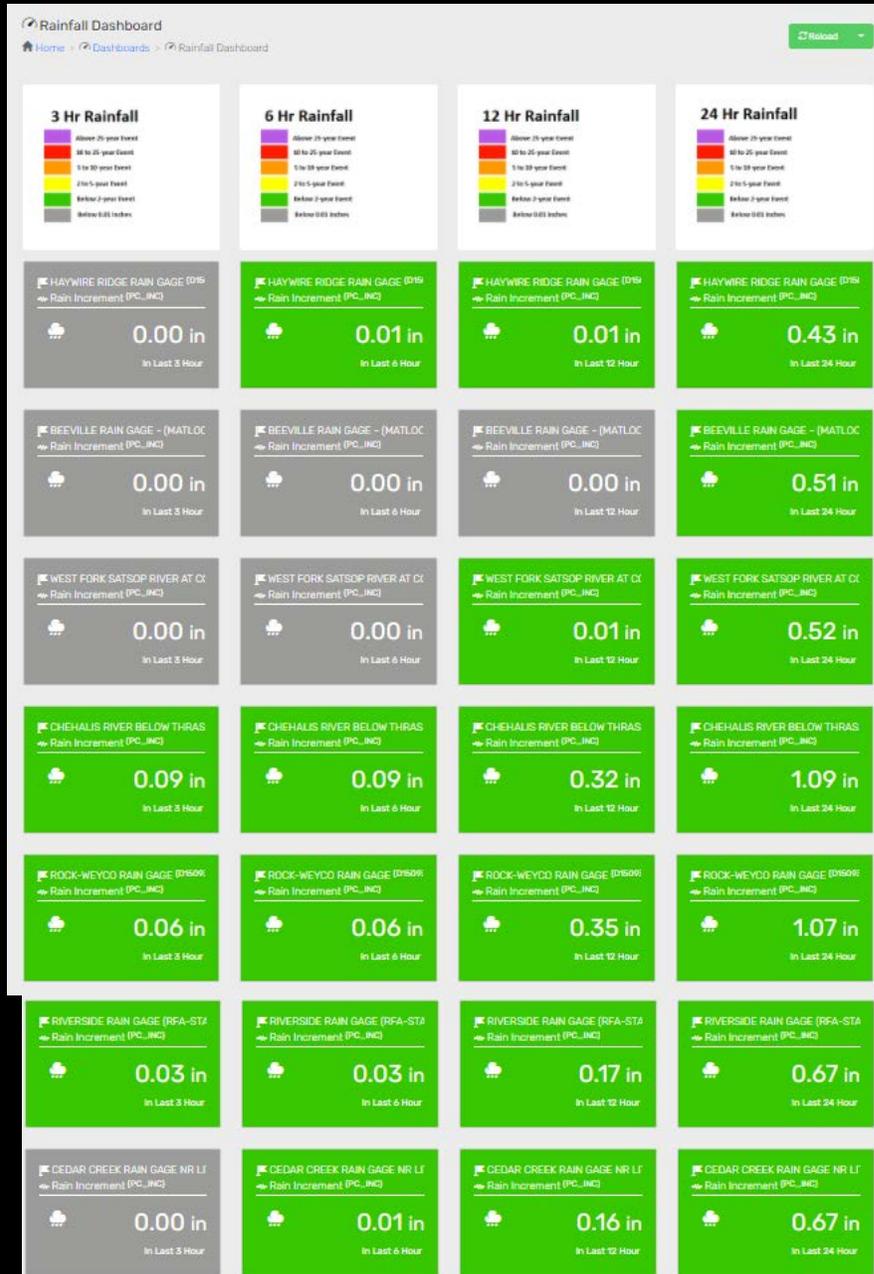
Latest



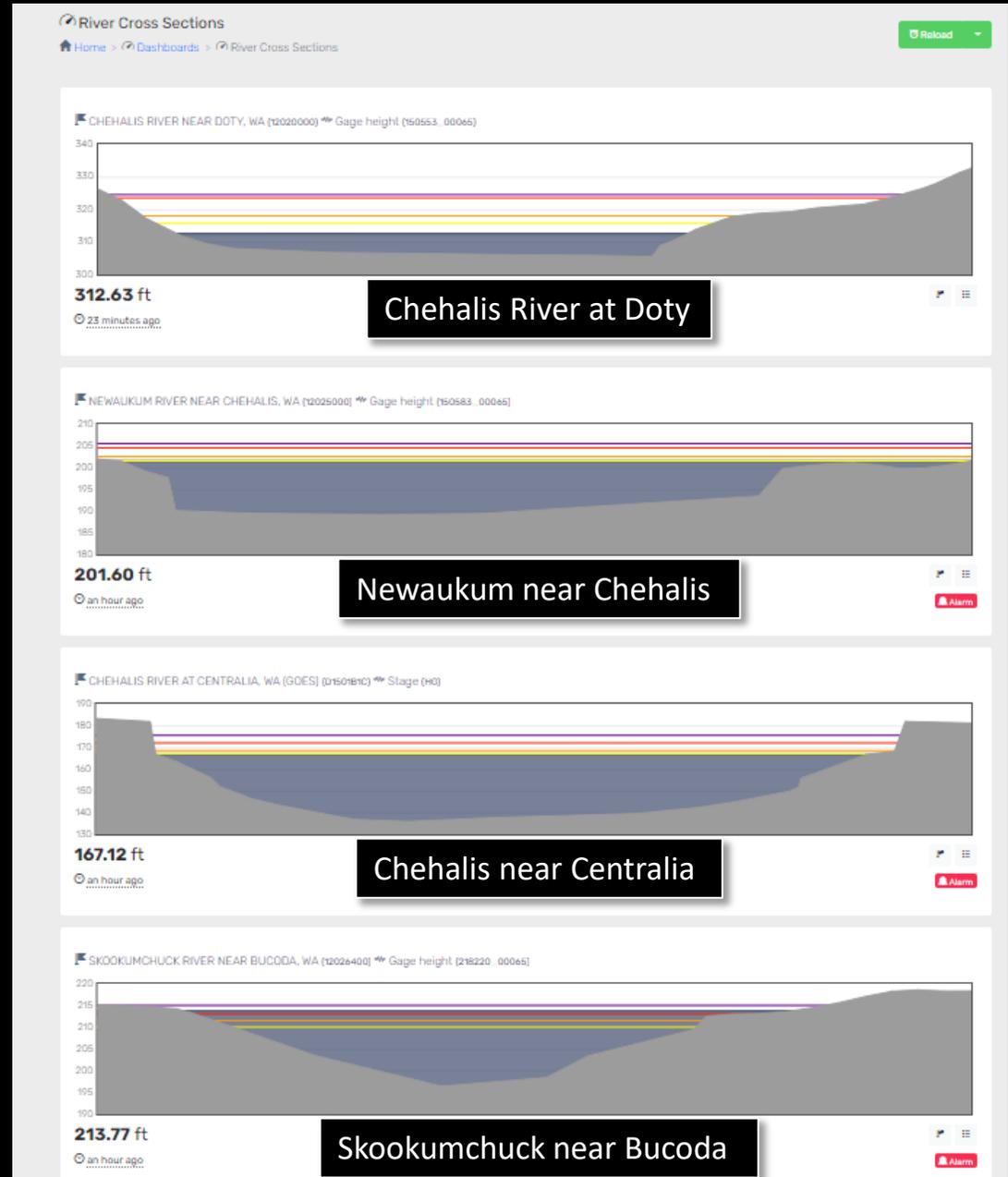
2021-01-03 16:48:04



Rain Gauge Dashboard



River Cross Section Dashboard



CHEHALIS RIVER NEAR MONTESANO, WA (12031000)
Gage height (150627_00065)

6.70 ft
a year ago

WYNOOCHEE RIVER ABOVE BLACK CREEK NR L
Gage height (150645_00065)

36.34 ft
an hour ago

SATSOP RIVER NEAR SATSOP, WA (12035000)
Gage height (150624_00065)

36.50 ft
41 minutes ago

CHEHALIS RIVER AT PORTER, WA (12031000)
Gage height (150620_00065)

48.03 ft
an hour ago

CHEHALIS RIVER NEAR GRAND MOUND, WA (12031000)
Gage height (150612_00065)

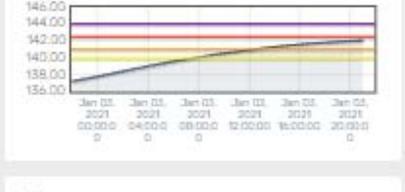
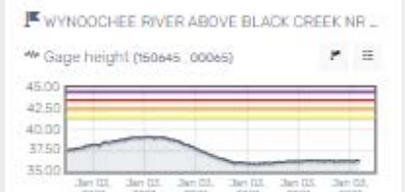
142.06 ft
an hour ago

SKOOKUMCHUCK RIVER AT CENTRALIA, WA (GOES)
Stage (H0)

187.56 ft
an hour ago

CHEHALIS RIVER NEAR MONTESANO, WA (12031000)
Gage height (150627_00065)

Info
No Readings match that criteria



Wynoochee River at Montesano, WA

3 hours ago

Satsop River near Satsop, WA

3 hours ago

Chehalis River at Centralia, WA

9 minutes ago

CHEHALIS RIVER AT CENTRALIA, WA (GOES)
Stage (H0)

167.12 ft
an hour ago

NEWALUKUM RIVER NEAR CHEHALIS, WA (12025000)
Gage height (150583_00065)

201.60 ft
an hour ago

CHEHALIS RIVER NEAR DOTY, WA (12020000)
Gage height (150553_00065)

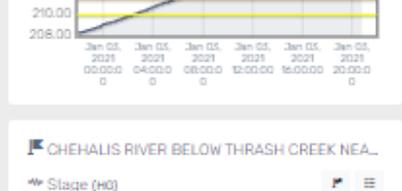
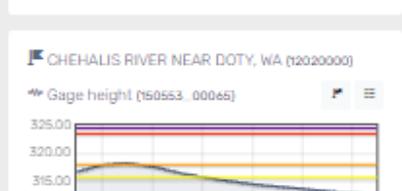
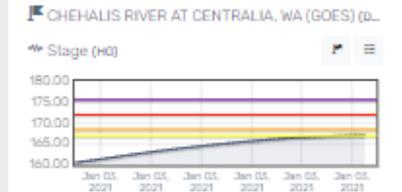
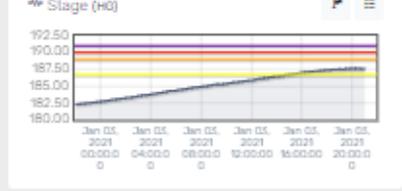
312.63 ft
27 minutes ago

SKOOKUMCHUCK RIVER NEAR BUCODA, WA (1218220000)
Gage height (218220_00065)

213.77 ft
an hour ago

CHEHALIS RIVER BELOW THRASH CREEK NEAR
Stage (H0)

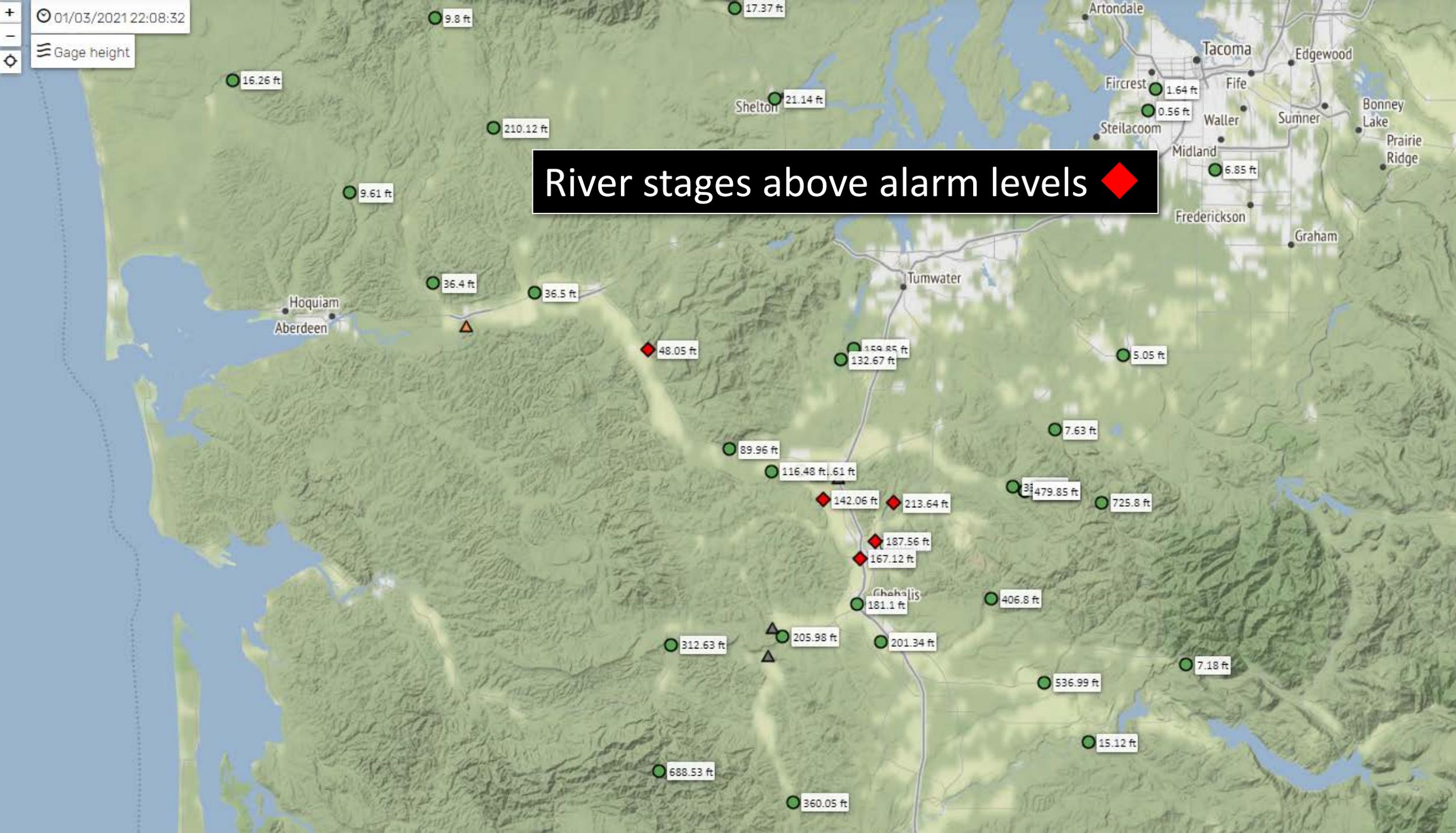
688.56 ft
an hour ago



01/03/2021 22:08:32

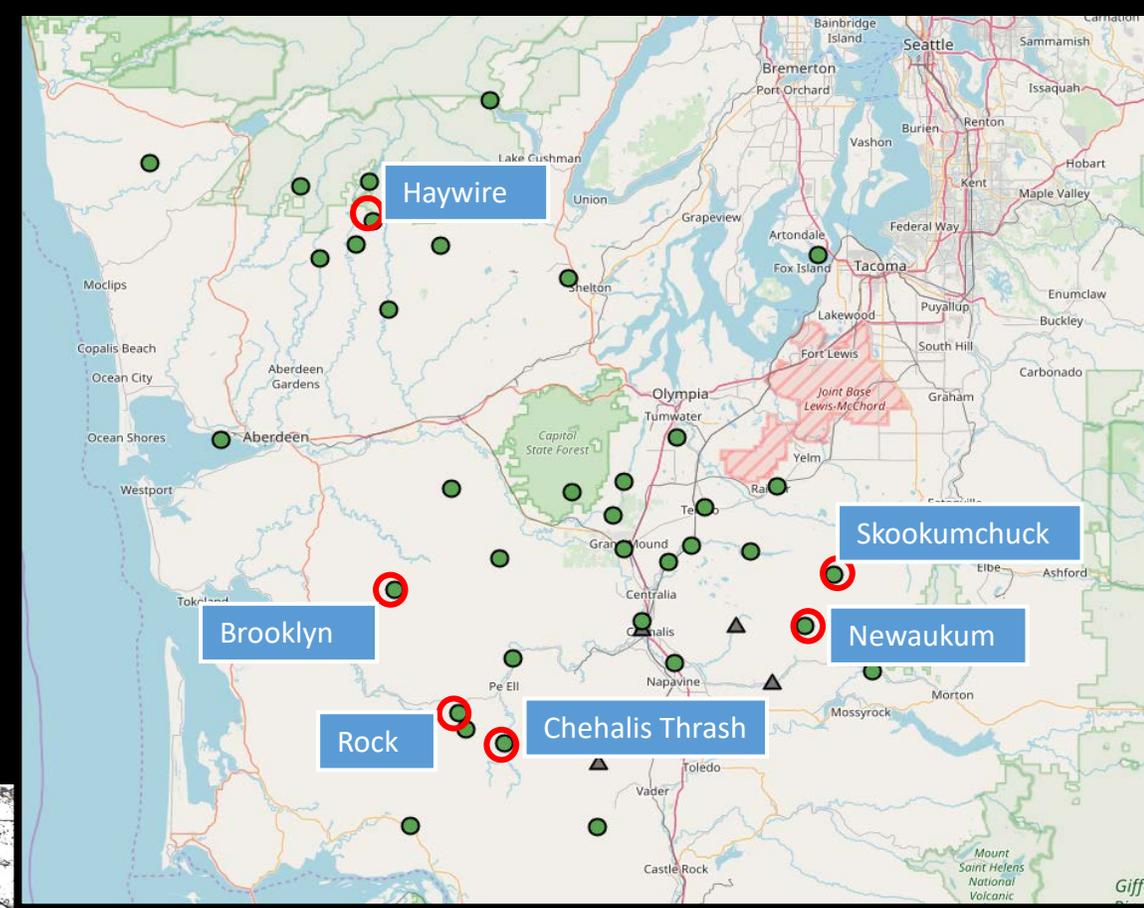
Gage height

River stages above alarm levels ◆



What's Next?

- Gauge Relocations
 - Six gage locations on private timberland
 - Permitting/access issues
 - Tree growth over last decade



Webcam Relocation

Satsop River at Monte Elma Bridge



Looking upstream

Lower Satsop River at Port of Grays Harbor Well



Looking upstream at ELJs

Testing Forecasted High Water Alerts

Flooding Forecasted



notification@onerain.com

To  David Curtis

 Reply

 Reply All

 Forward



Wed 1/13/2021 9:40 PM

Chehalis River at Centralia is forecast to rise above flood stage approximately 6.0 Hours from 01/13/2021 21:17:00 PST.

*Note: There is uncertainty in the river forecast due to the uncertainty in the rainfall forecasts. The time of flooding may happen sooner or be more severe than indicated.

The forecast can be found at the link below

<https://water.weather.gov/ahps2/hydrograph.php?wfo=sew&gage=cenw1>

[USE CAUTION - EXTERNAL SENDER] Do not click on links or open attachments that are not familiar.

How Does Chehalis River Basin FWS Compare?

Rainfall Summary River Summary Additional Resources

Weather Forecast Rainfall Forecast River Forecast Flood Maps Plot Gage Data Gage Data Maps

Landslide Radar Rainfall Road Conditions USGS Gages Atmospheric Rivers Chehalis Basin Gage Height Conversion Project

Photo Credit:
www.chehalisbasinstrategy.com

Questions?