

An aerial photograph showing a wide, muddy river flowing through a rural landscape. The river is significantly wider than its banks, indicating flooding. On the left bank, there is a large red barn with a grey roof, surrounded by other farm buildings and a parking area with several vehicles. The surrounding fields are green, and there are many bare trees, suggesting a winter or early spring setting. In the background, there are rolling hills and more forested areas. The sky is overcast.

**Chehalis River Basin Flood Authority**

# **Flood Summary**

## **January 2022**

# January 2022

- Record flood stages
  - Newaukum near Chehalis
- Major flood stages
  - Skookumchuck near Bucoda (near record)
  - Chehalis River at Porter
  - Chehalis River at Grand Mound
- Moderate flood stages
  - Chehalis at Centralia (near major)
  - Satsop near Satsop (near major)
  - Skookumchuck at Centralia
- Minor flood stages
  - Chehalis near Doty

# Newuakum River near Chehalis

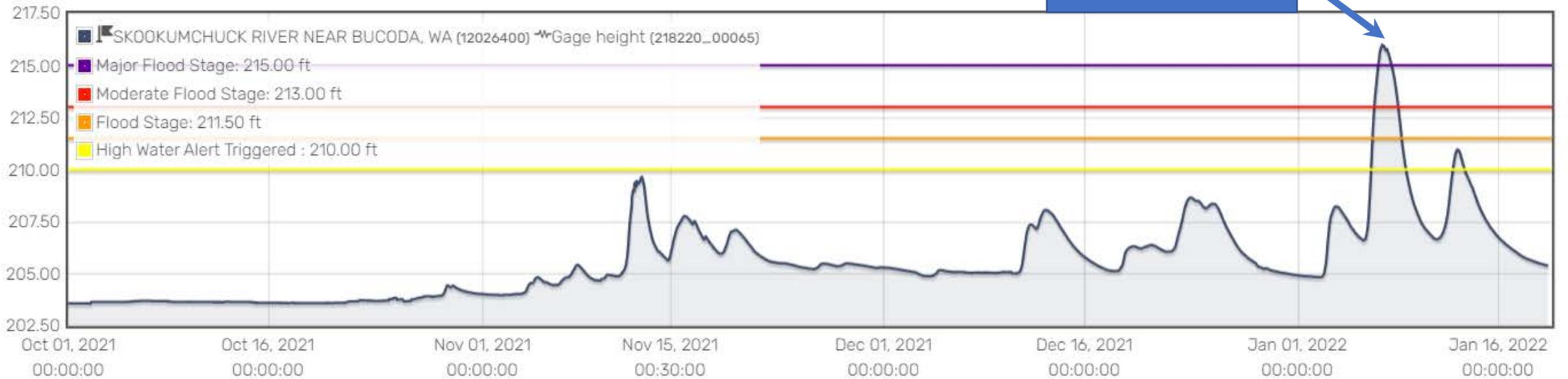
01 August, 2021 - 18 January, 2022



# Skookumchuck River at Near Bucoda

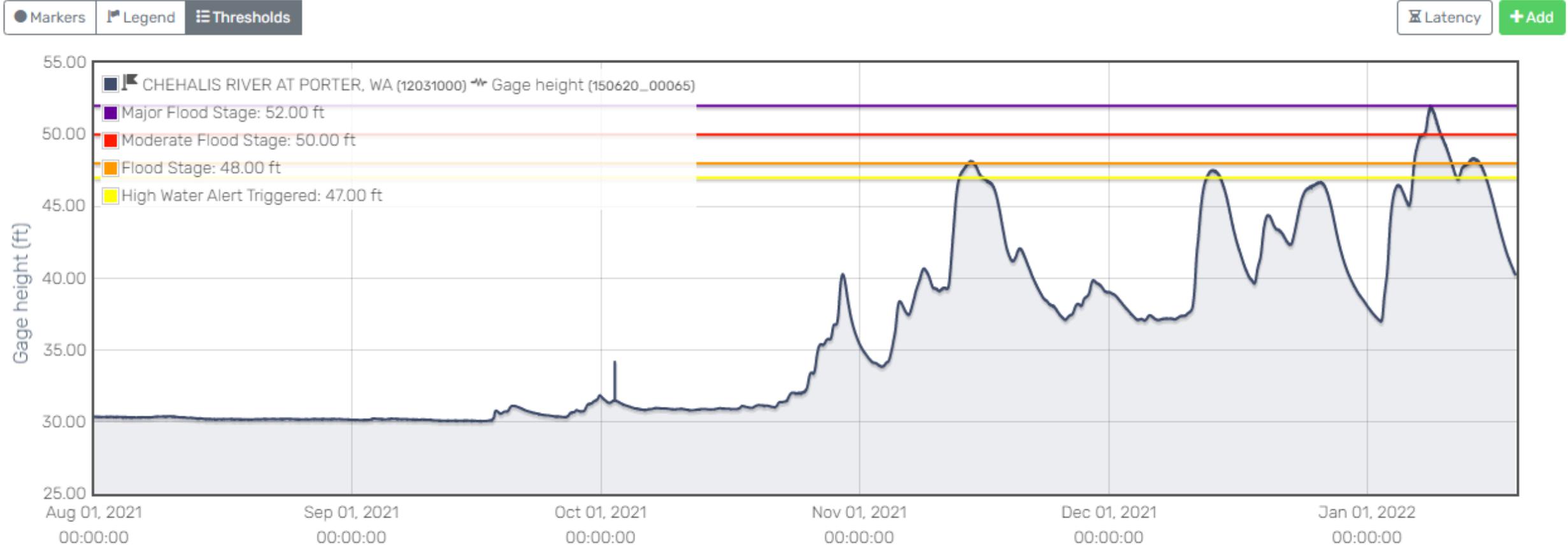
01 October, 2021 - 19 January, 2022

Markers Legend Thresholds



# Chehalis River at Porter

01 August, 2021 - 18 January, 2022



# Why?

- Very wet antecedent conditions
- Significant snow on the ground
- Heavy rain
  - Category 4 atmospheric River



# Rainfall Totals Since October 1, 2021

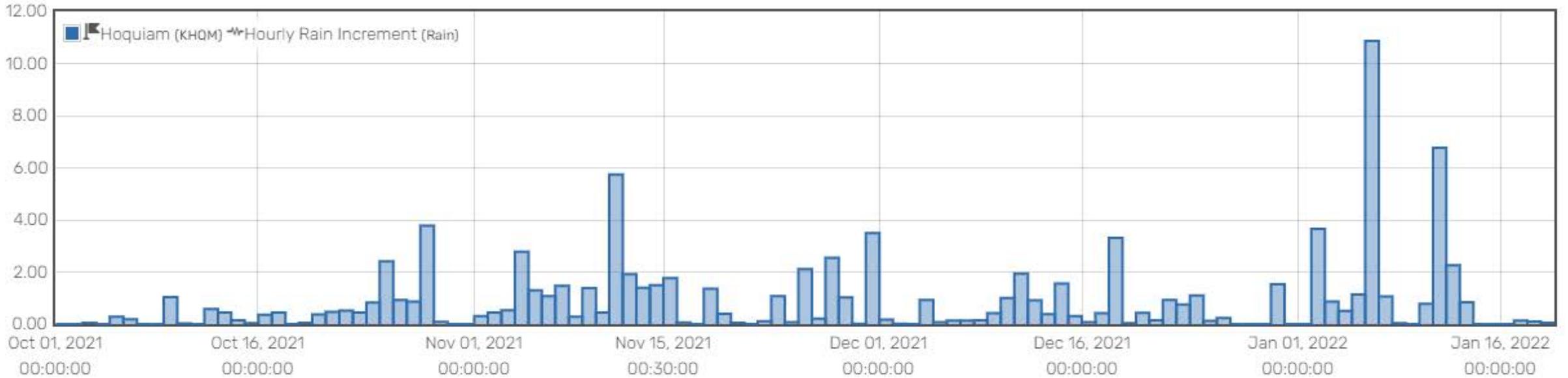
- Hoquiam Rain - 95.42 inches
- Beeville Rain - 86.98 inches
- Newaukum - Weyco Rain - 57.75 inches
- Huckleberry Ridge Rain - 67.62 inches



# Hoquiam Rain - 95.42 inches

01 October, 2021 - 19 January, 2022

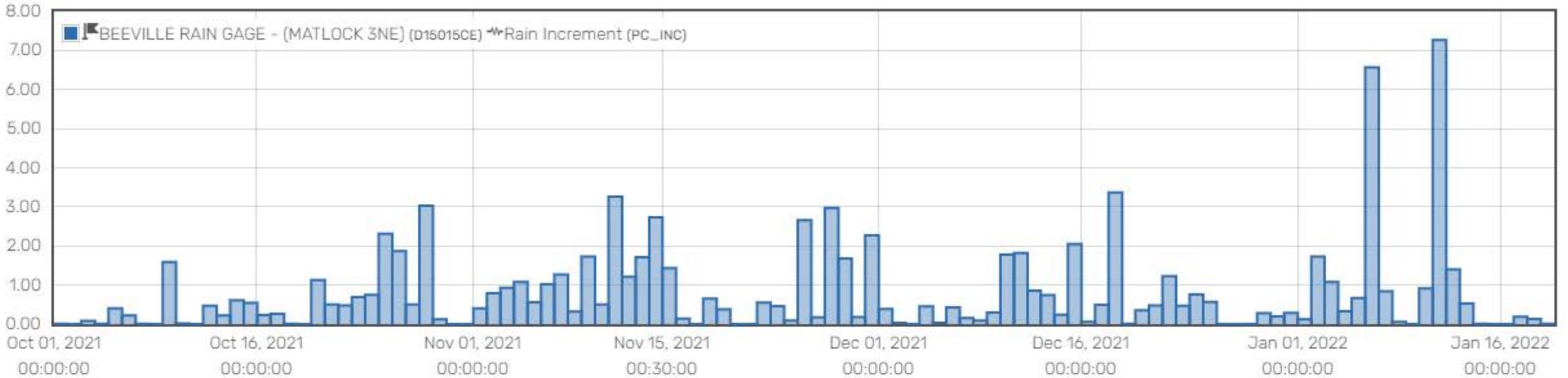
Markers Legend Daily



# Beeville Rain - 86.98 inches

01 October, 2021 - 19 January, 2022

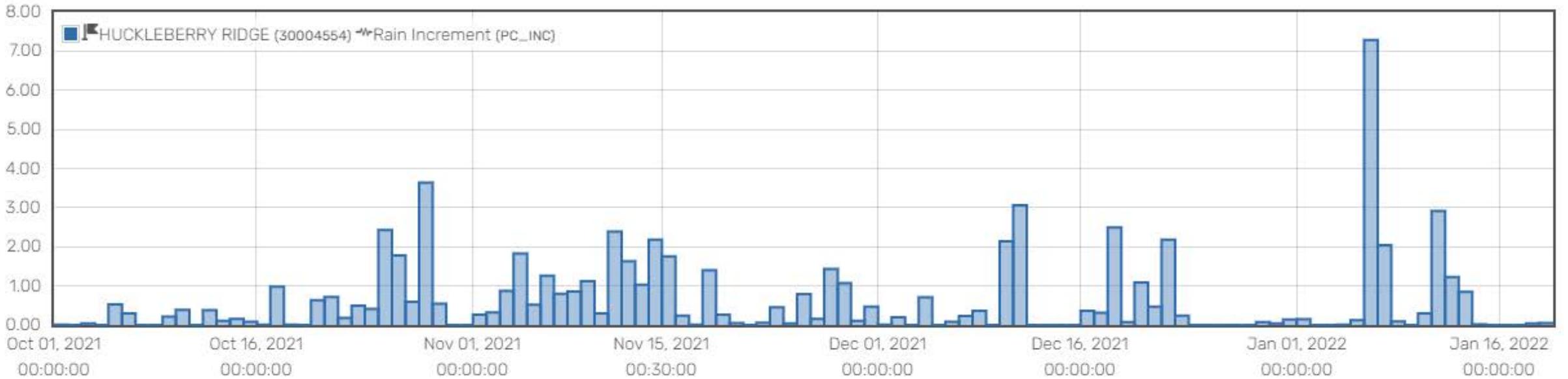
Markers Legend Daily



# Huckleberry Ridge Rain - 67.62 inches

01 October, 2021 - 19 January, 2022

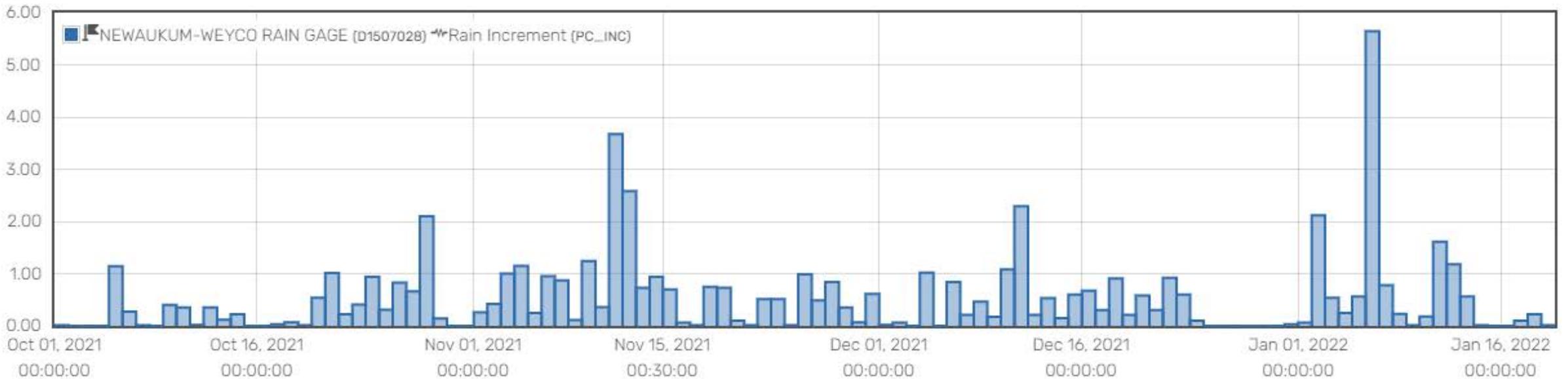
Markers Legend Daily



# Newaukum - Weyco Rain - 57.75 inches

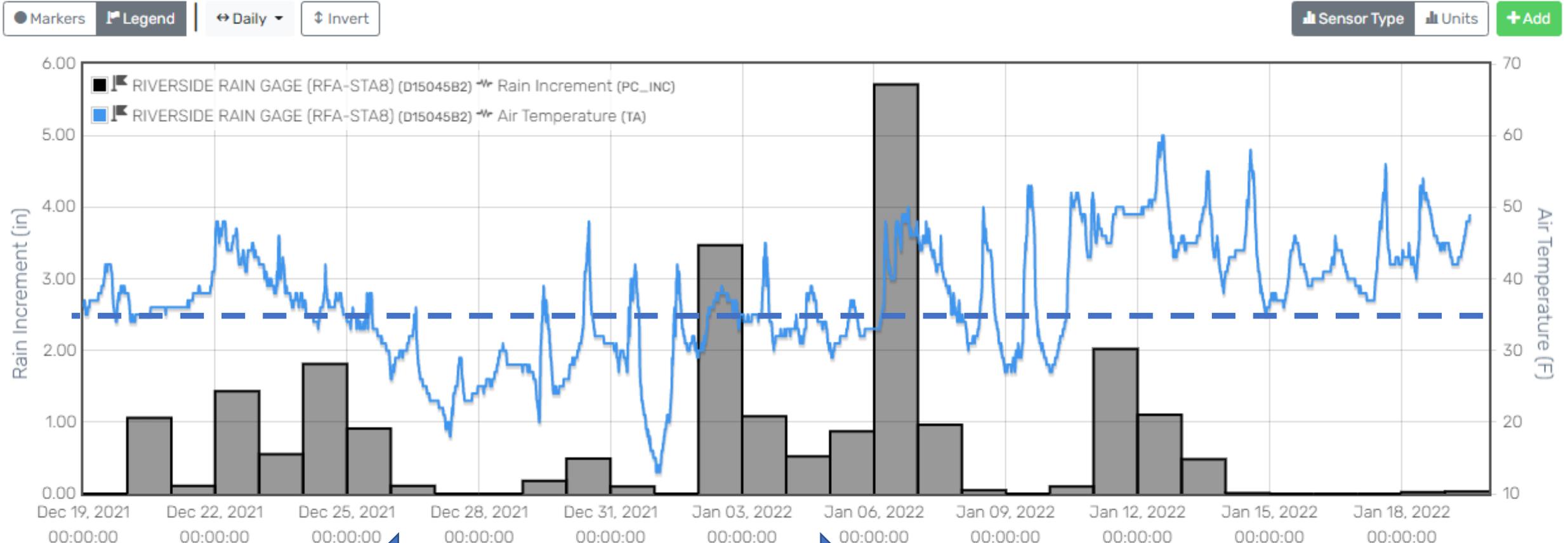
01 October, 2021 - 19 January, 2022

Markers Legend Daily



# Riverside Rain and Temperature

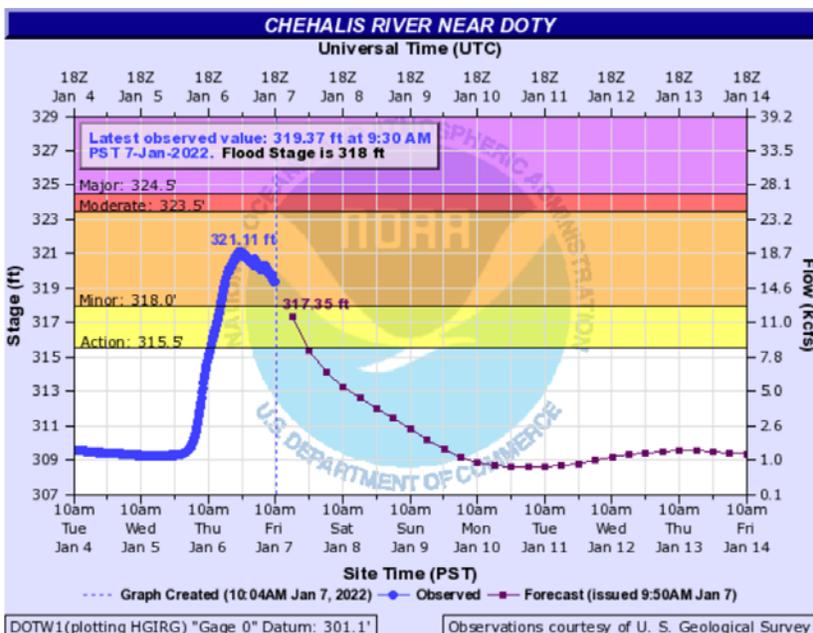
19 December, 2021 - 19 January, 2022



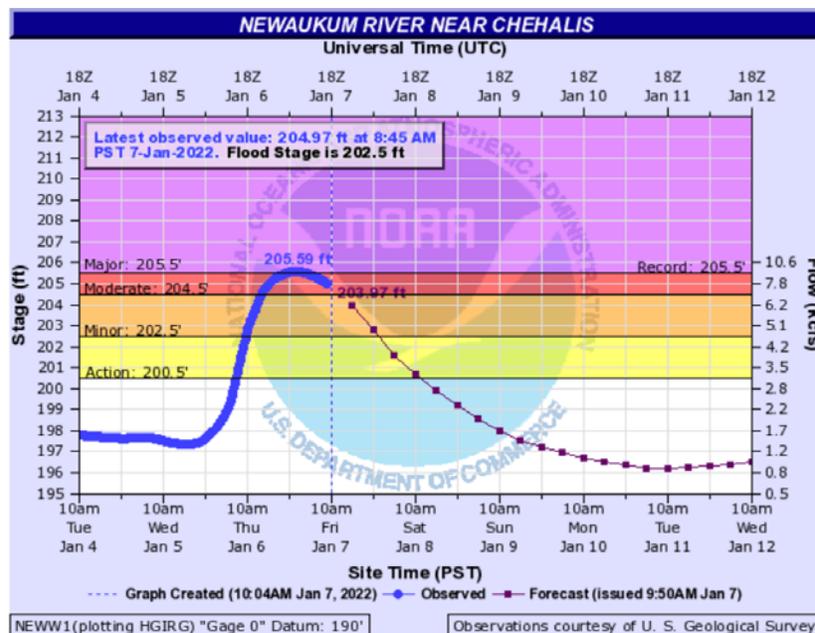
Snow buildup

# NWS Forecasts

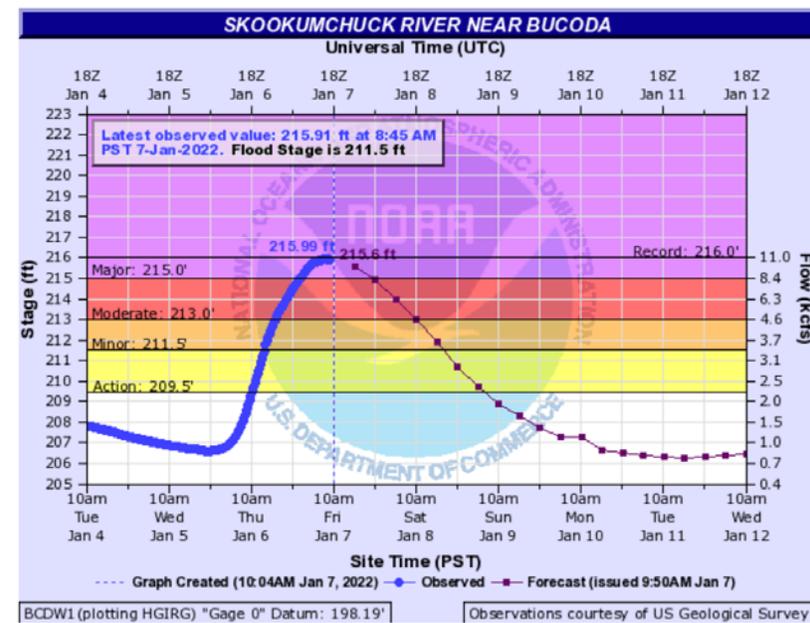
## Chehalis at Doty

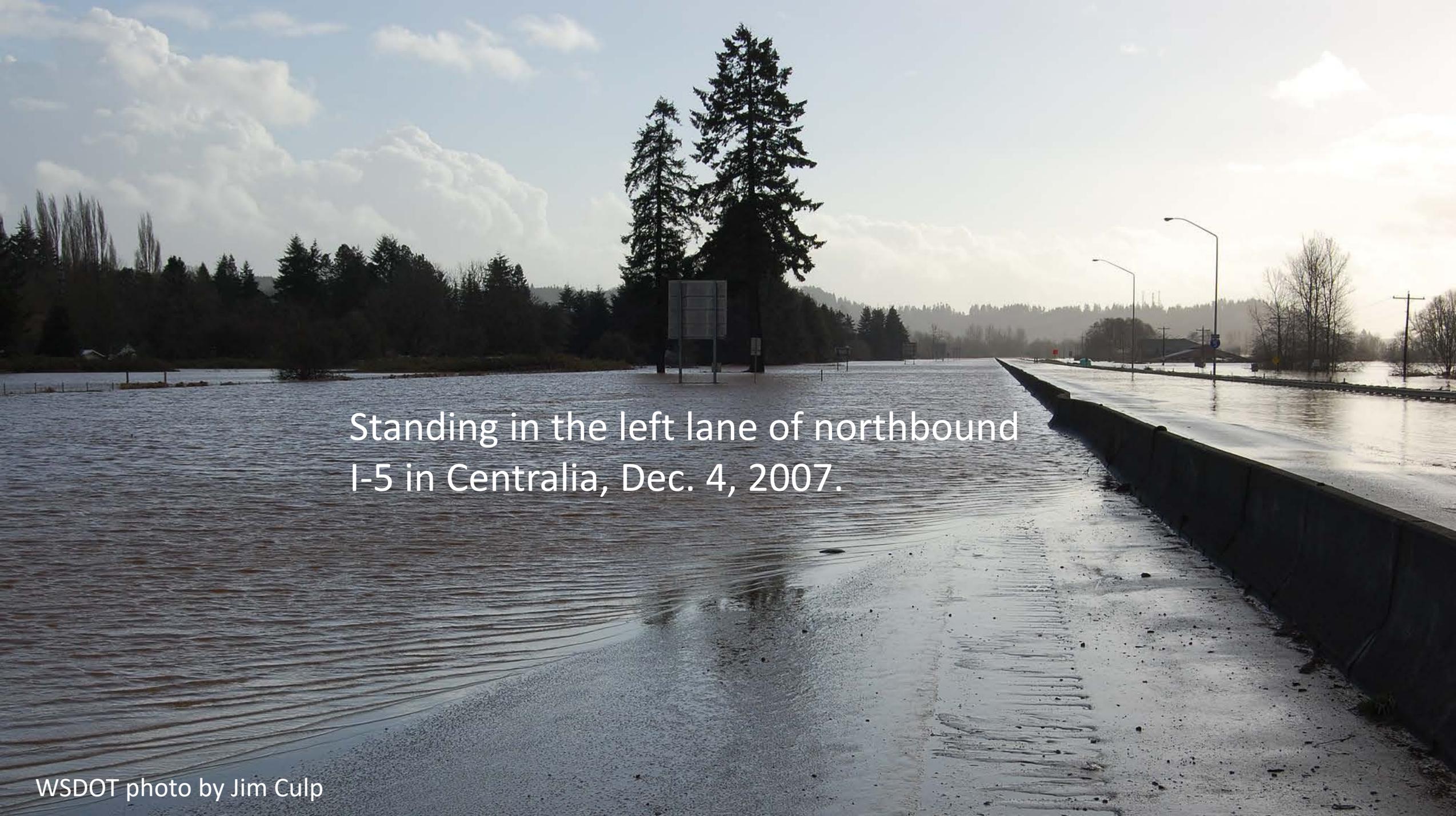


## Newaukum near Chehalis



## Skookumchuck near Bucoda





Standing in the left lane of northbound  
I-5 in Centralia, Dec. 4, 2007.

# WEB Cams



Chapman Farms

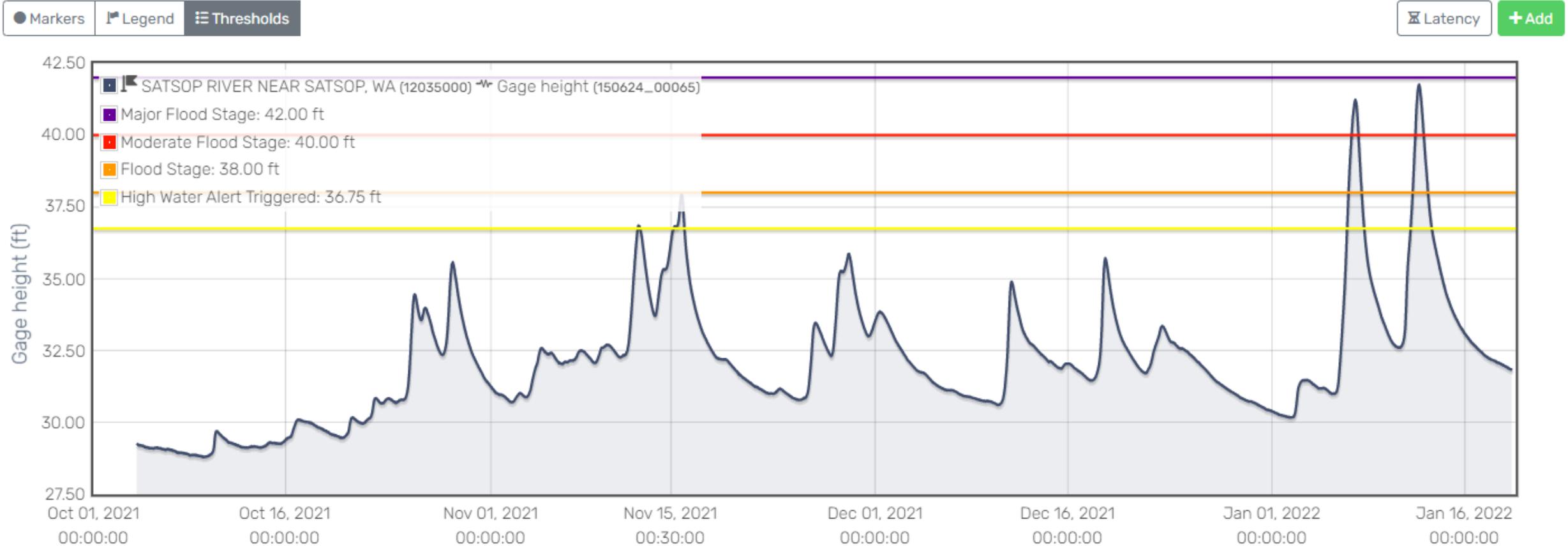
# WEB Cams



Chapman Farms

# Satsop River near Satsop

01 October, 2021 - 19 January, 2022





Sign up for 2021-22 High Water ALERTS

Flood season is here. The Chehalis River Basin Flood Warning System ([www.chehalisriverfood.com](http://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 2021/22 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 2021/22 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@sbgf-partners.com](mailto:scottb@sbgf-partners.com).

11/23/2021 16:48:01



Seasonal Outlook for Temperature and Precipitation

Check out the latest outlook from the NWS Climate Prediction Center. Chances are that above average precipitation and below average temperature may be in store for western Washington. Click [HERE](#) for additional information.

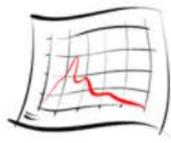
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Weather Forecast



Rainfall Forecast



River Forecast



Flood Maps



Plot Gage Data



Gage Data Maps



Landslide



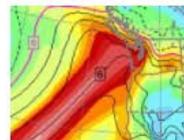
Radar Rainfall



Road Conditions



USGS Gages



Atmospheric Rivers



Chehalis Basin Gage Height Conversion Project

# Chehalis River Basin Flood Authority Website

- Website
  - 25,000 User logins – Jan 1-10
- Inundation Maps
  - 73,000 hits Jan 6-7
- Third party posts
  - The Chronicle
  - WA Emergency Management

# 3<sup>rd</sup> Party Posts

 **Washington Emergency Management Division** posted a ⚠️ weather alert for Lewis County and 2 other counties. 1h · 🌐

There's lots of flooding potential in Western Washington in the coming days. One area of concern is the Chehalis River and the Skookumchuck River. The Chehalis Basin Flood Authority has potential flood maps & alert systems in place for residents to get warnings. You can find river gages near you and sign up to get notified about flooding issues near you. If flooding impacts you, sign up. You can also look at what areas are forecasted to be impacted by floods using Flood Inun... See more

 **CHEHALIS RIVER BASIN FLOOD AUTHORITY**

Home Map Sites News Dashboards

- 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:

👍 🤔 😬 70

8 Comments 66 Shares

👍 Like    💬 Comment    ➦ Share

 **The Chronicle** 56m · 🌐

If you're trying to decide to stay or go, this tool might be able to help inform your decision. The image below reflects the best projection as to what areas will be flooded if the Skookumchuck River at Centralia reaches 192.4 feet. It is projected to reach 193.1 feet.

Check out predictions in this Chehalis River Basin Flood Authority online tool here: <http://chehalisriverflood.org/>

Disclaimer from the site: Inundation maps show estimated areas of flooding associated with river stages reported or forecast at National Weather Service forecast points. These maps are prepared in advance using assumed storm conditions. The exact extent of flooding during an actual event for an observed or forecast elevation may vary due to specific local storm conditions.

 **CHEHALIS RIVER BASIN FLOOD AUTHORITY**

## Flood Inundation Maps

Select a gage location: Skookumchuck River at Centralia

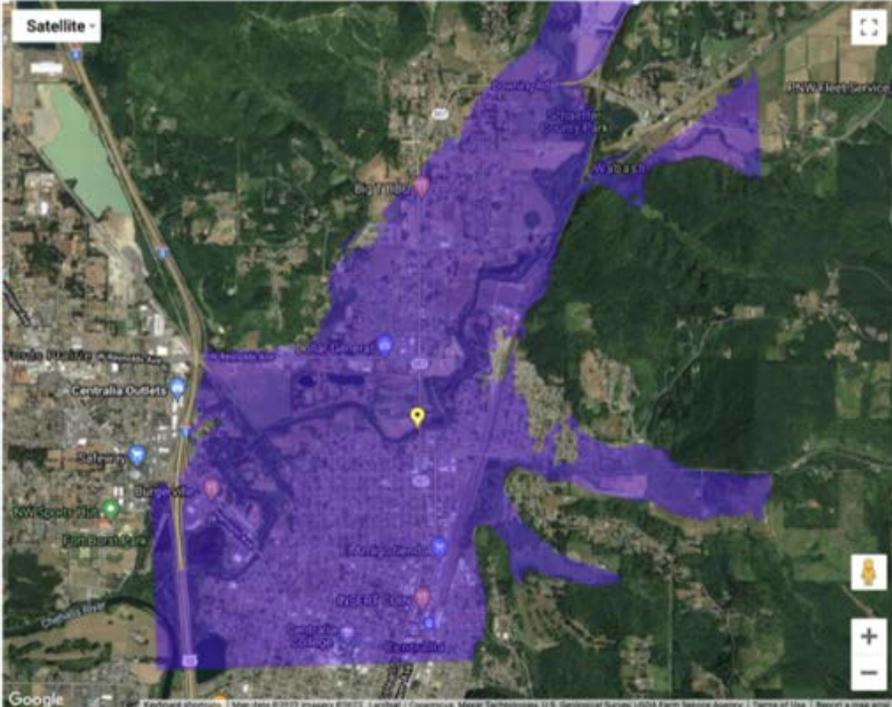
### Skookumchuck River at Centralia, WA

**Current NWS Forecast**  
185.73 ft  
180.00 (observed value)

**River Stage (ft)**  
Have a closer look at river stage to view corresponding flood map

184.4
185.4
186.4
187.4
188.4
<b>Minor Flood Stage</b>
189.4
<b>Moderate Flood Stage</b>
190.4
<b>Major Flood Stage</b>
191.4
192.4

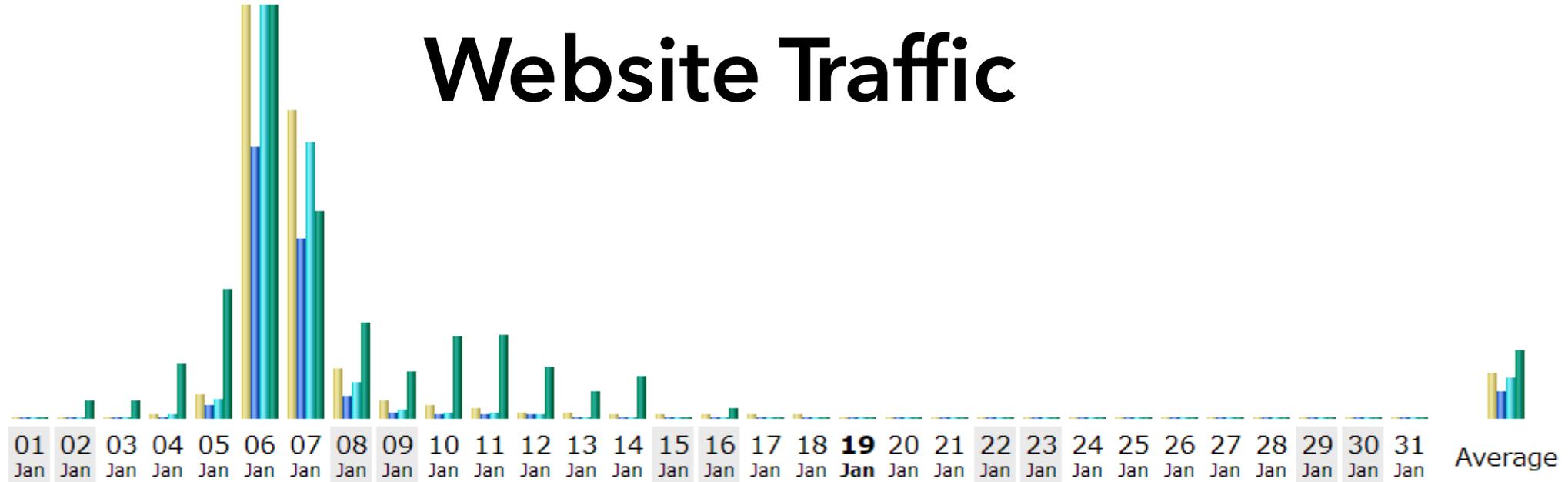
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📍 🏠 📏

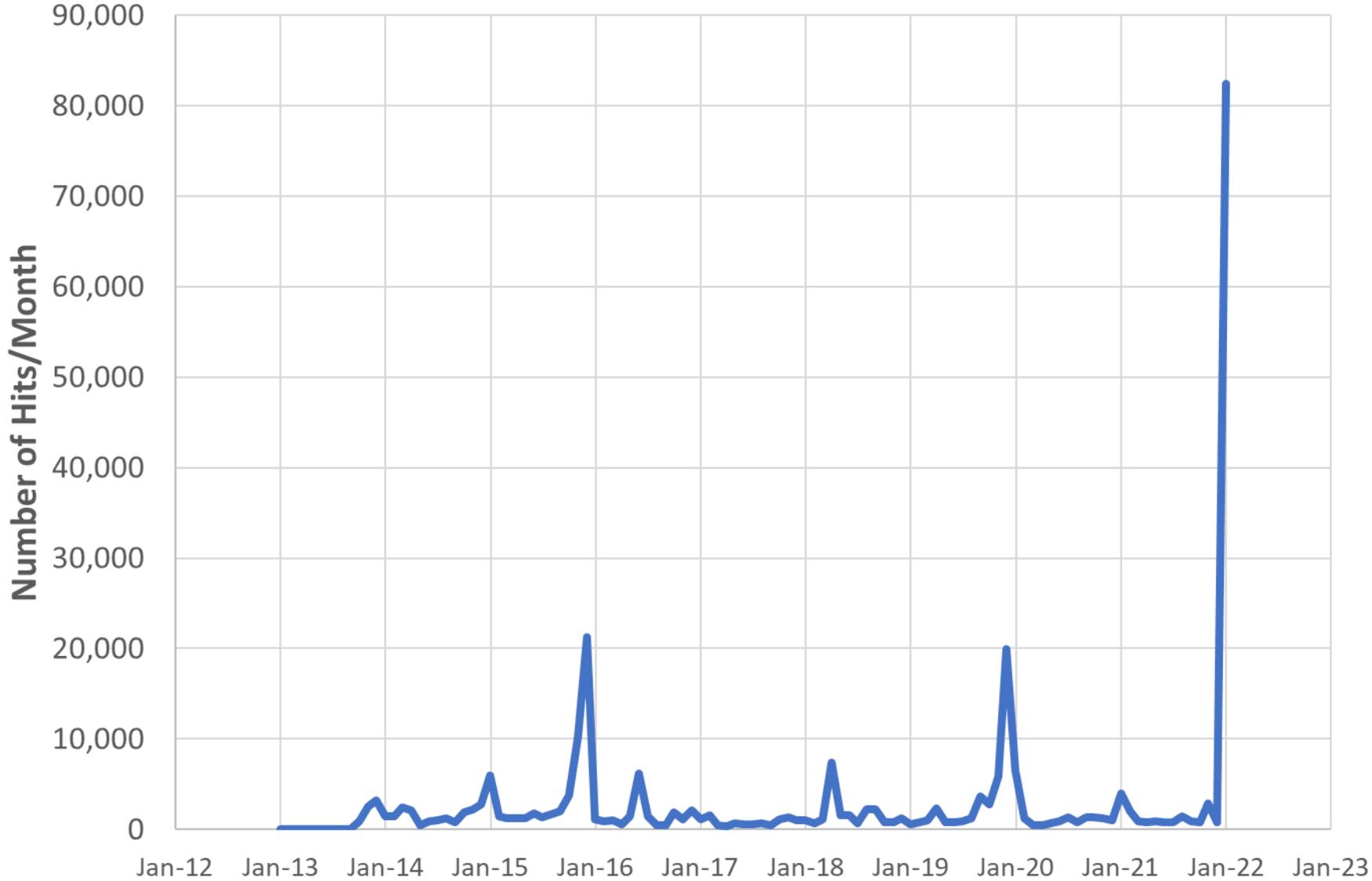
Keyboard Shortcuts | Map Data ©2022 Imagery ©2022, Lantidra | Coverage, Mapbox Technologies, U.S. Geological Survey, NOAA, NOAA Service Agency | Terms of Use | Report a Map Issue

# Website Traffic



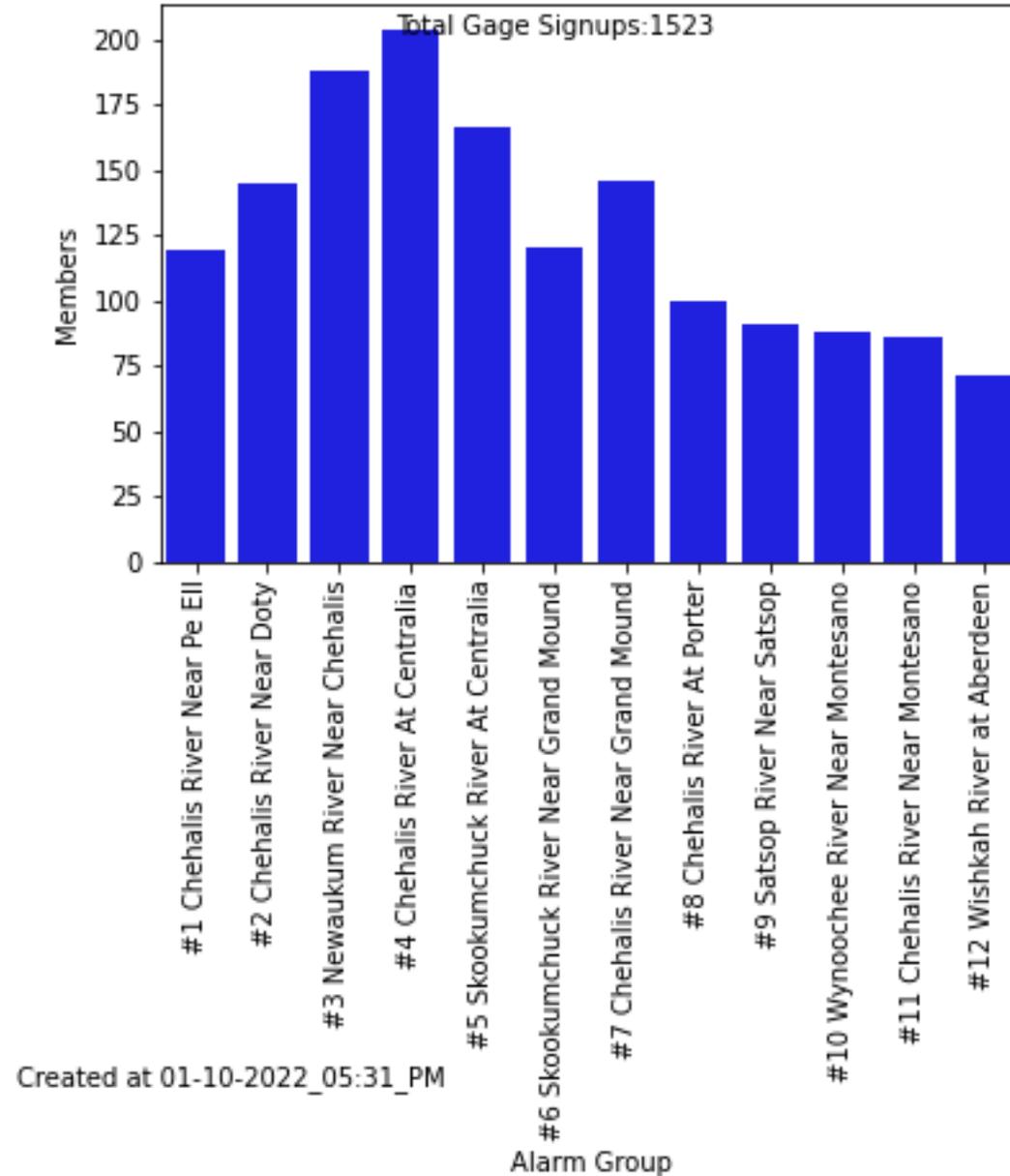
Day	Number of visits	Pages	Hits	Bandwidth
01 Jan 2022	12	18	20	1.79 MB
02 Jan 2022	23	69	116	31.39 MB
03 Jan 2022	32	97	138	31.88 MB
04 Jan 2022	56	203	355	98.69 MB
05 Jan 2022	356	1,338	2,111	237.06 MB
06 Jan 2022	6,090	29,057	44,094	758.75 MB
07 Jan 2022	4,538	19,214	29,426	382.12 MB
08 Jan 2022	738	2,377	3,690	174.84 MB
09 Jan 2022	261	613	960	84.44 MB
10 Jan 2022	178	412	649	147.73 MB

# Chehalis River Basin Flood Authority Flood Warning System Monthly Inundation Map Website Hits



# High Water Alerts

- ↑ 130 since Nov 23, 2021



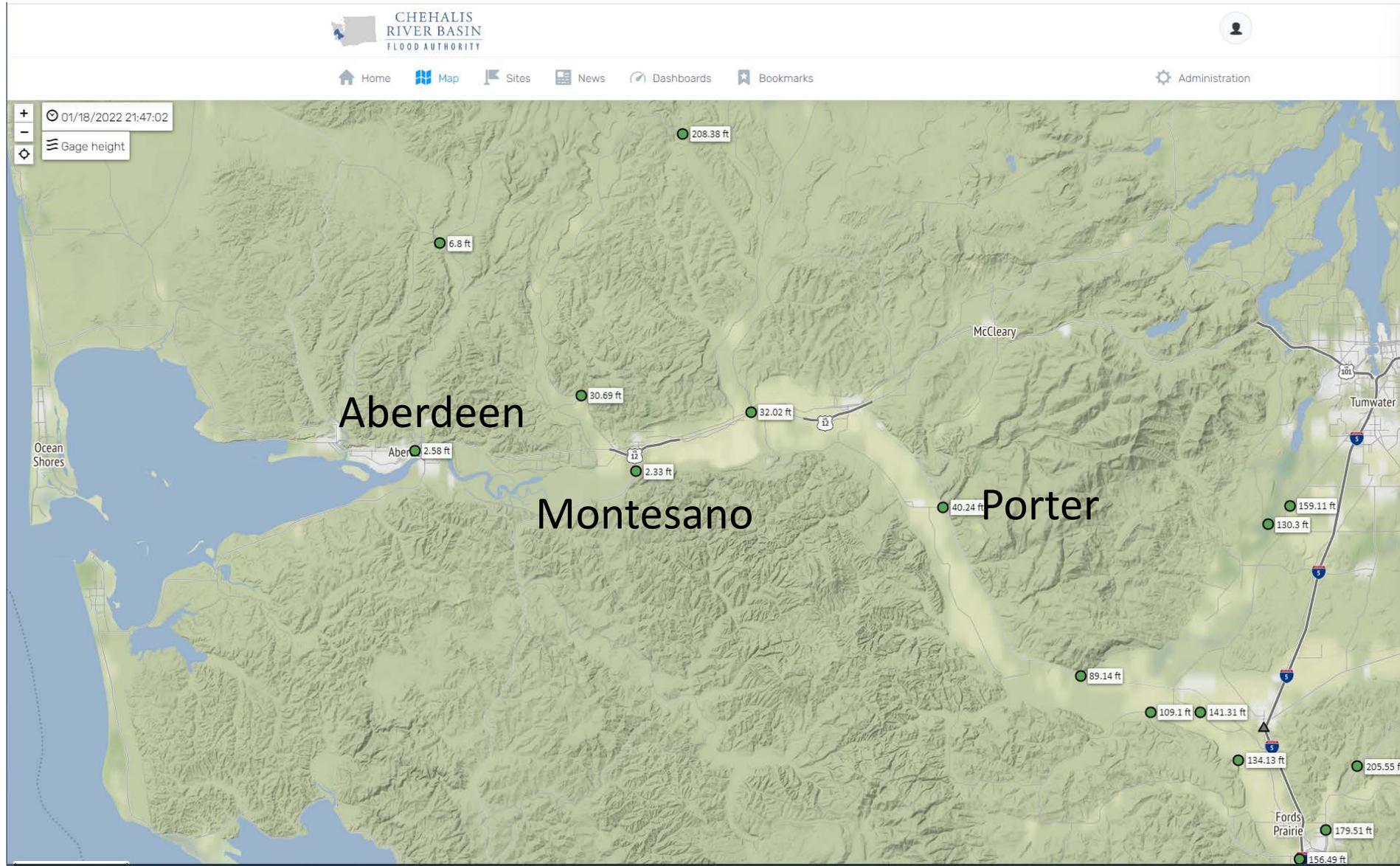


Skookumchuck River at Centralia Gage

# Opportunities?

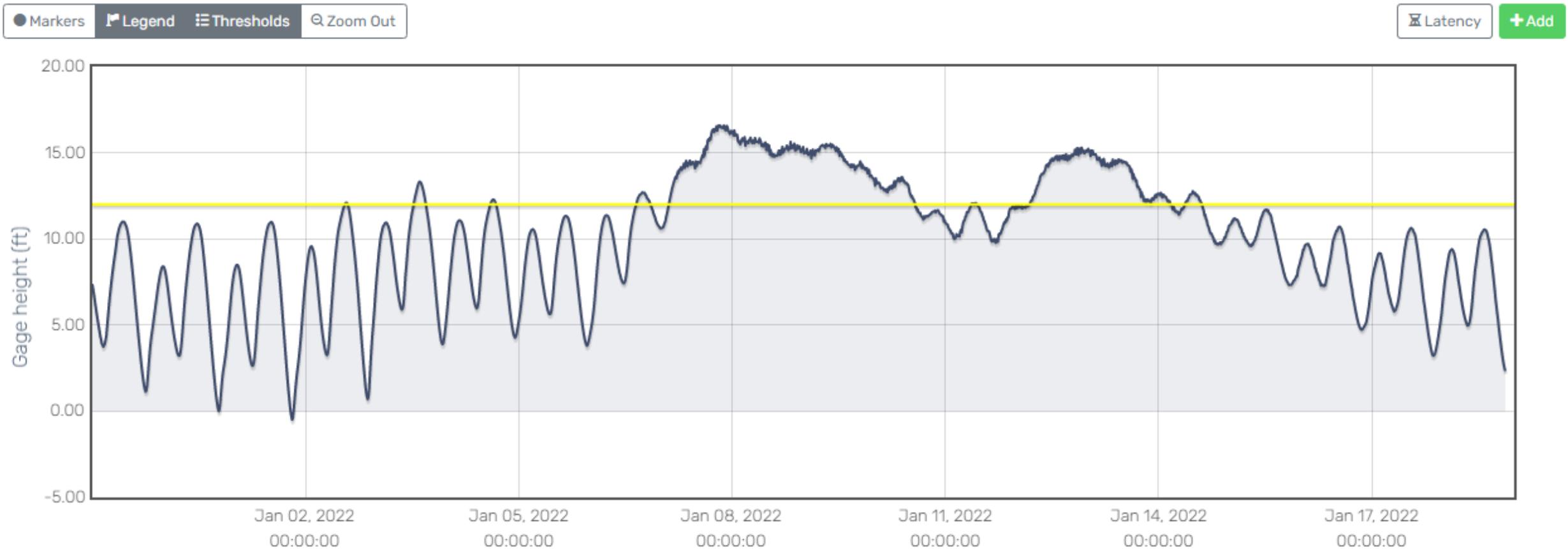
- User Survey
- Website Usability Improvements
- Improved Forecasting Lower Chehalis

# Improved Forecasting - Lower Chehalis River



# Improved Forecasting - Lower Chehalis River

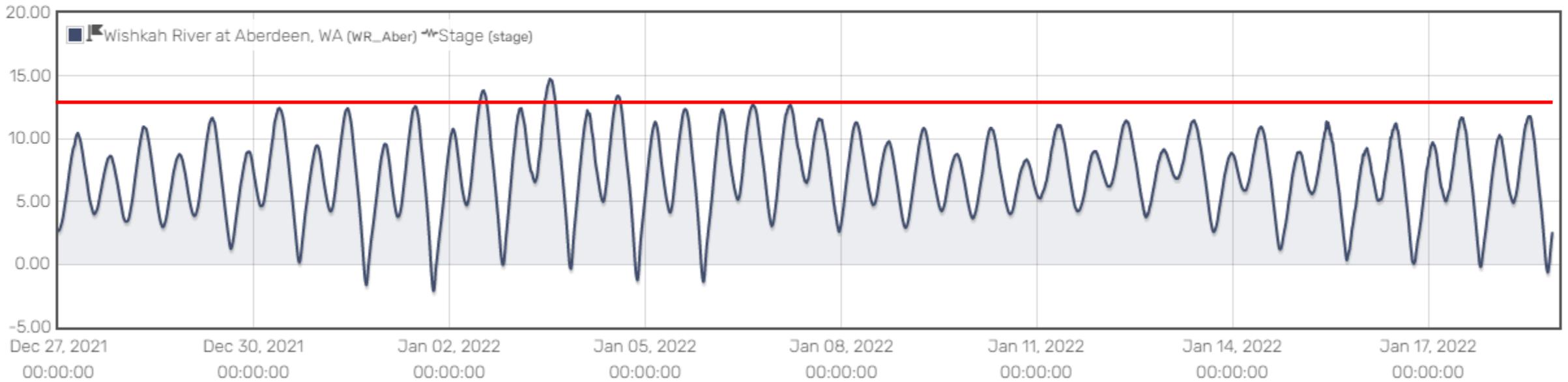
📅 13 October, 2021 - 18 January, 2022



# Wishkah River at Aberdeen

27 December, 2021 - 18 January, 2022

Markers Legend



# Questions



