



Updates/Reflections on Recent Basin Flood Event

I. Lower Basin Erosion Projects

- SMALL -- Cloquallam Creek Erosion Pilot (36 Lower Falls Creek Rd)
- LARGE -- Lower Satsop Right Bank Conservation Project

II. Chehalis River Basin Flood Warning System

January 19, 2019 | Chehalis Basin Board

KEY MESSAGE

Today, we are substantially more aware, better prepared for catastrophic flooding than ever before.

*Scott Boettcher
Staff, Chehalis River Basin Flood Authority
(presentation [here](#))*

I. Lower Basin Erosion Projects

SMALL -- Cloquallam Creek Erosion Pilot (36 Lower Falls Creek Rd)


Land owner Help?



Tuttle, Megan E (DFW)

To ● Scott Boettcher; ○ Anthony Waldrop

9/15/2021

 You forwarded this message on 9/22/2021 1:41 PM.

Hi Scott and Anthony,

I hope this week finds you well. I wanted to reach out for a Landowner on the Cloquallam (36 Lower Falls Creek rd) that is experiencing highly erosive banks and is about 36 ft from their home and 15ft from their septic drain field. The pervious land

Request -- 9-15-2021

\$ 15,000 Landowner
\$ 75,000 OCB Erosion Program
\$112,500 Flood Authority
\$205,500 Total



Construction -- 11-23-2021



Post-Construction -- 12-01-2021

Key Take-Aways →

1. **Erosion arrested.** Home, drain field protected!
2. **"System" rallied.** Phase I design, funding, permitting, construction in 10 weeks!
3. **Successful pilot.** Much fodder for 2023 OCB Erosion Program recommendations!

I. Lower Basin Erosion Projects



Grays Harbor
Conservation
District

your window to healthy lands

LARGE -- Lower Satsop Right Bank Conservation Project



Image = 2019



Image = 6-04-2021

2/3/2022

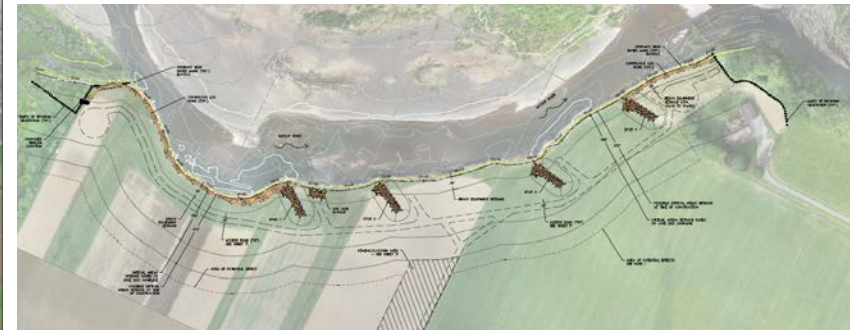
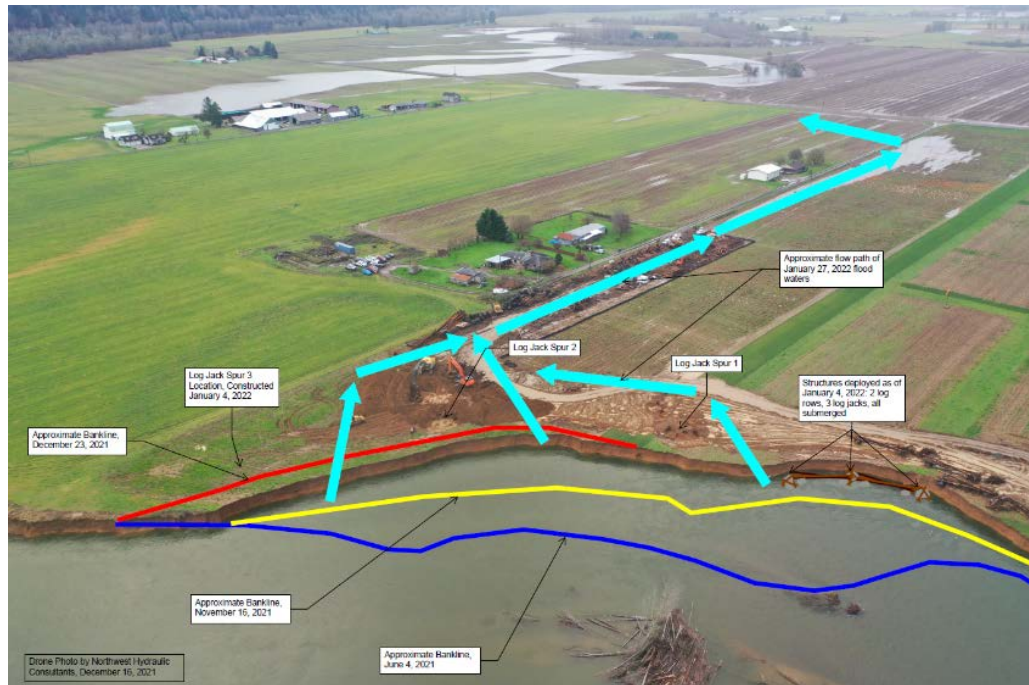


Image = 12-29-2020 (to 12-31-2021)



I. Lower Basin Erosion Projects

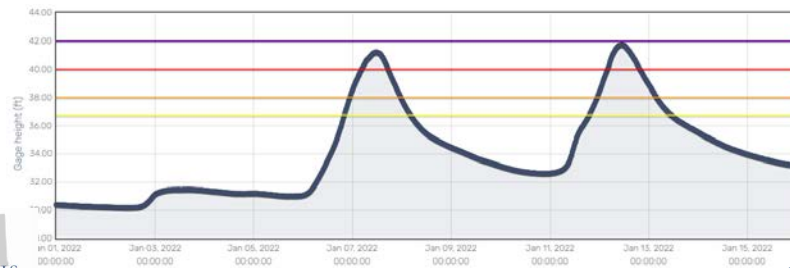
LARGE -- Lower Satsop Right Bank Conservation Project



Original Site Plan = 10-07-2021 (6 subsequent iterations)



Image = 1-07-2022 (12:45 p.m.) 5 of 9



1935 = 42.79

2022 = 41.23

2022 = 41.76

2/3/2022

I. Lower Basin Erosion Projects

LARGE -- Lower Satsop Right Bank Conservation Project



Image = 1-14-2022



Image = 1-18-2022

Key Take-Aways →

1. **Erosion appears slowed.** Log structures racking material, depositing sediment!
2. **“System” rallied.** 9 months for design, funding, permitting, construction!
3. **Much fodder** for 2023 OCB Erosion Program recommendations!

II. Chehalis River Basin Flood Warning System

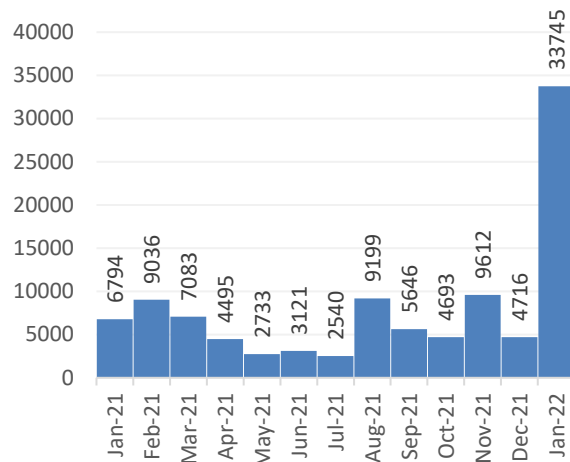
Flood Warning System Works!

The Flood Authority's flood warning system website was incredibly active during the January flood. Nearly 25,000 individual user logins were recorded and the flood inundation maps received almost 75,000 hits, providing vital information to the community during the flood emergency. *Dave Curtis, West Consultants, 2/01/2022*

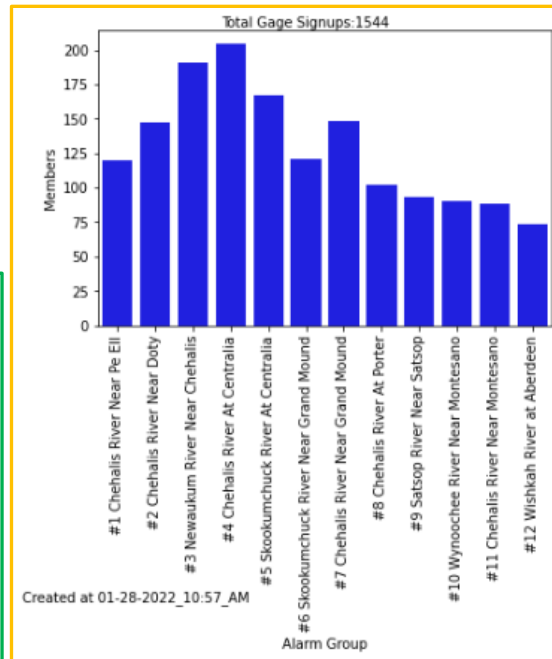
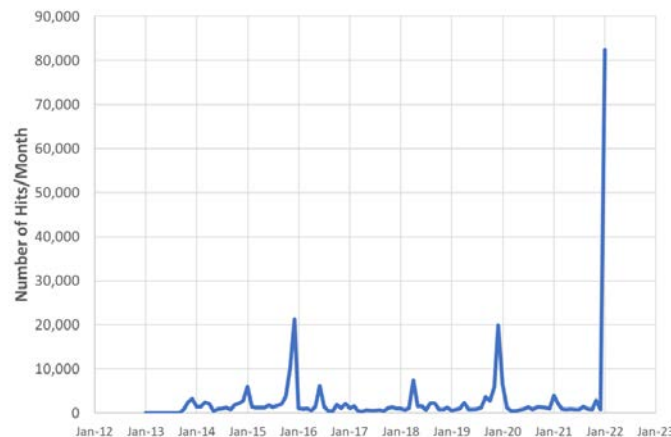
Unknown contact said:

"Our house flooded in '96 and '07--we like to be prepared The gauges and alerts give us more peace of mind. Info=peace of mind" *Survey Respondent, 2/01/2022*

Chehalis FA Website Visits



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



II. Chehalis River Basin Flood Warning System

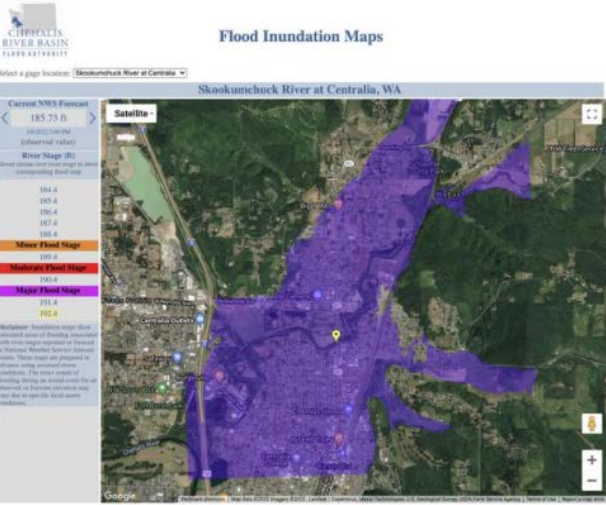
Social Media Works!

The Chronicle
January 6 at 6:26 PM · 🌐

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 ... [See more](#)



Flood Inundation Maps

Select a gage location: Skookumchuck River at Centralia

Skookumchuck River at Centralia, WA

Current NWS Forecast: 185.73 ft

River Stage (ft): 192.4

Minor Flood Stage: 190.4

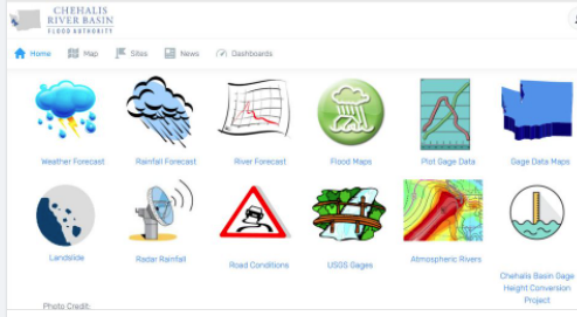
Moderate Flood Stage: 191.4

Major Flood Stage: 193.1

220 205 Comments 406 Shares

Washington Emergency Management Division ✓
January 6 at 5:25 PM · 🌐

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:

149 12 Comments 113 Shares

Like Comment Share

<https://www.facebook.com/WashEMD>

Key Take-Aways →

2007:

✗ Reactive

2021:

✓ Proactive

✓ Info = peace of mind

<https://www.facebook.com/thecentraliachronicle/>



Thank You!

~~January 19, 2019~~ February 3, 2022 | Chehalis Basin Board

KEY MESSAGE

Today, we are substantially more aware, better prepared for catastrophic flooding than ever before.

Scott Boettcher

Staff, Chehalis River Basin Flood Authority
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