

# Flood Authority Local Projects: Process for Identifying and Selecting Projects

Update to Chehalis Basin Board

February 1, 2024

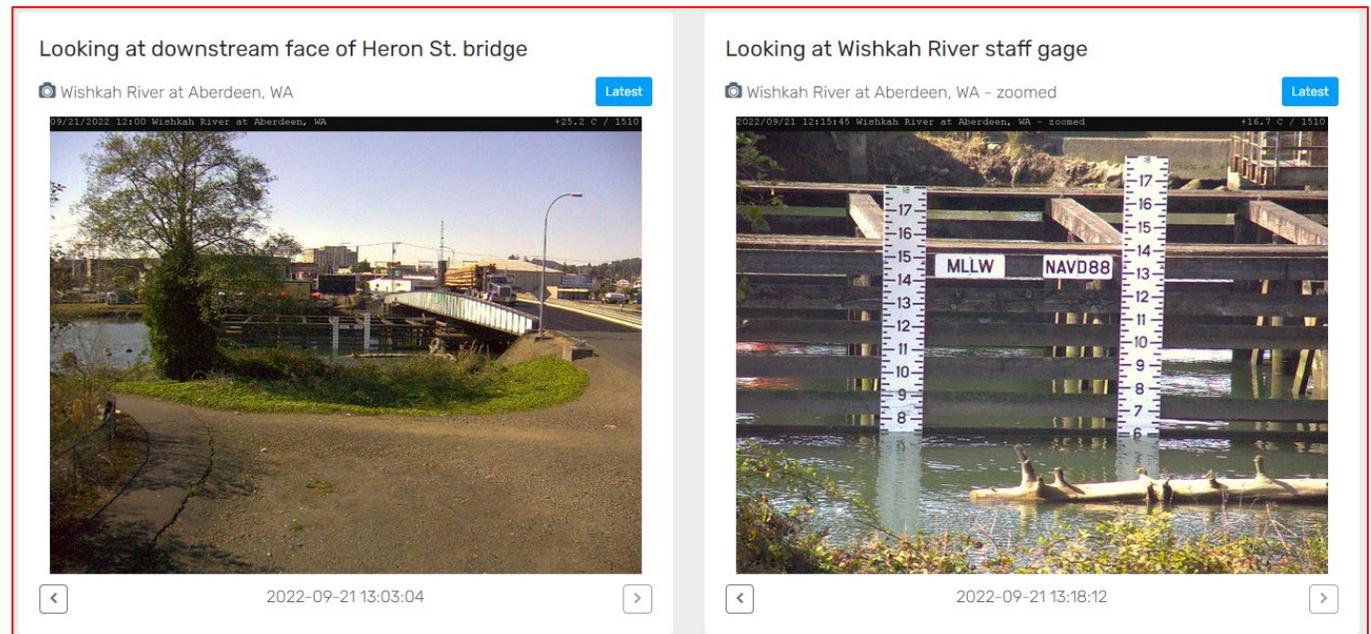
**DRAFT PRESENTED AT THE 01/18/2024 FLOOD AUTHORITY MEETING**

# Presentation Objectives

Update the Board on the process for identifying and prioritizing local projects:

- How it has evolved over time
- What happens to projects not funded in a given biennium

\*\*See the last Flood Authority Process Update to the Board April 2020 [HERE](#)

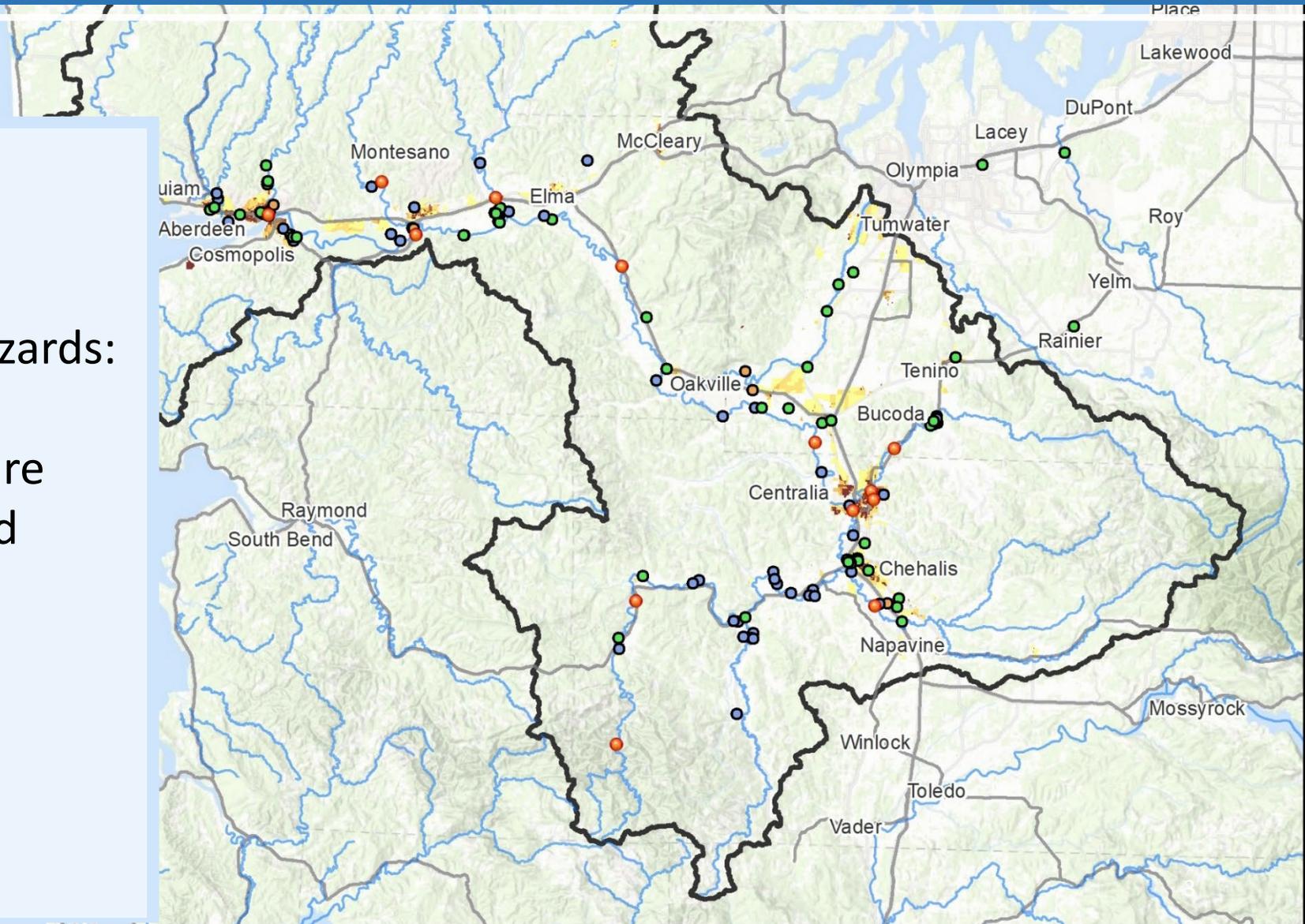


# People, Projects, and Flood Warning System

## Chehalis River Basin Flood Authority Priorities:

**Protect** from flooding, storm surges, and mitigate flood hazards:

- Valuable structures/infrastructure
- Homes, properties, and businesses
- Farmland and rural structures
- Critical facilities and Transportation routes



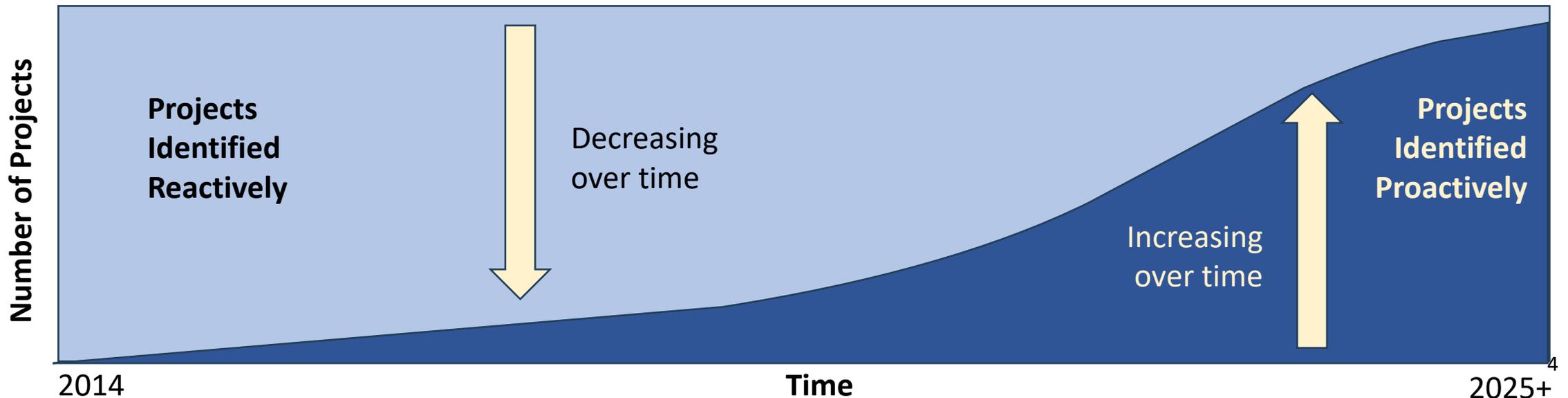
# Selecting Projects: Past, Present, Future

2012 – Legislature directed Flood Authority to work on 5 projects

2014 – 2023 Basic selection Process Steps

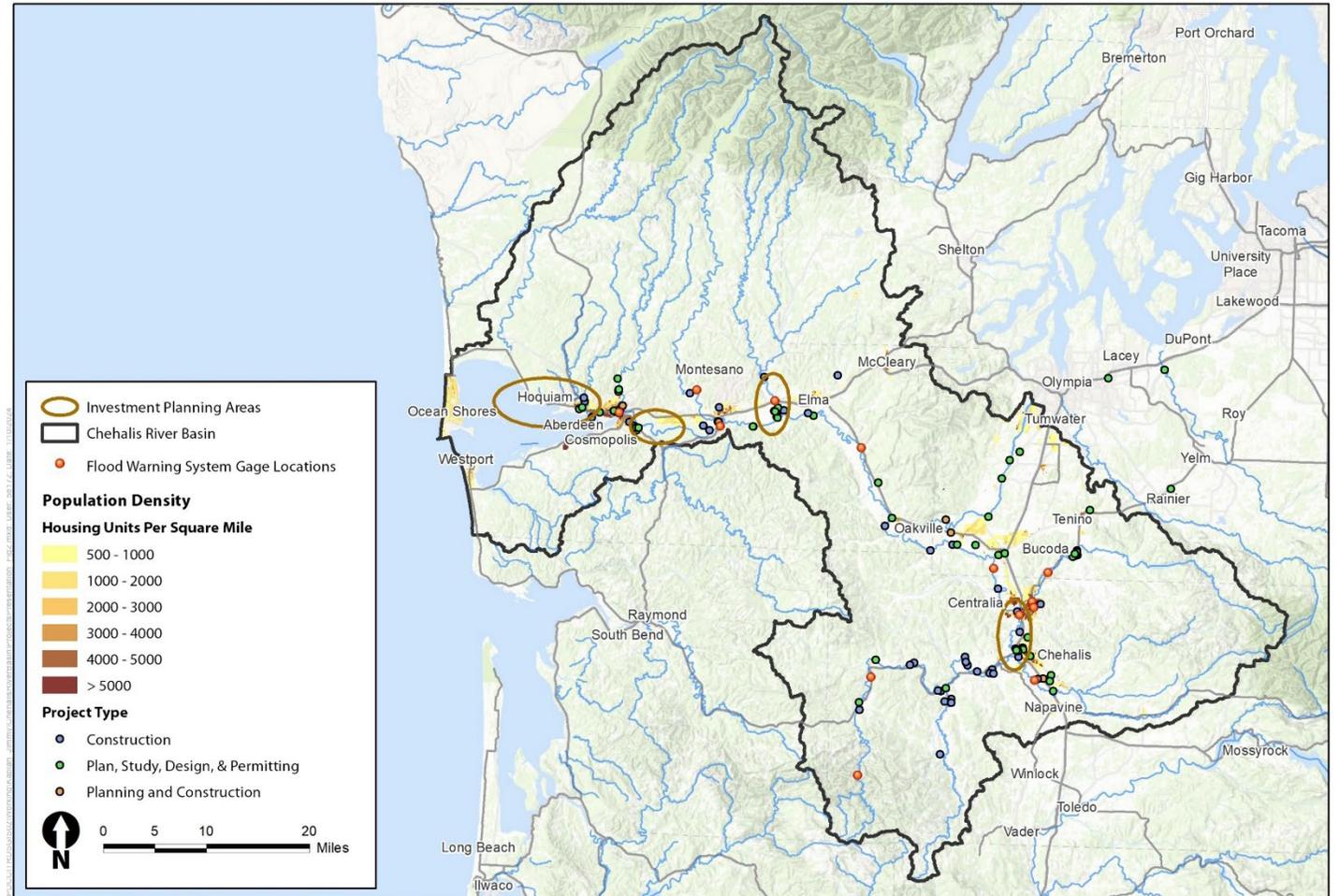


Evolution of the Project Identification and Selection Process



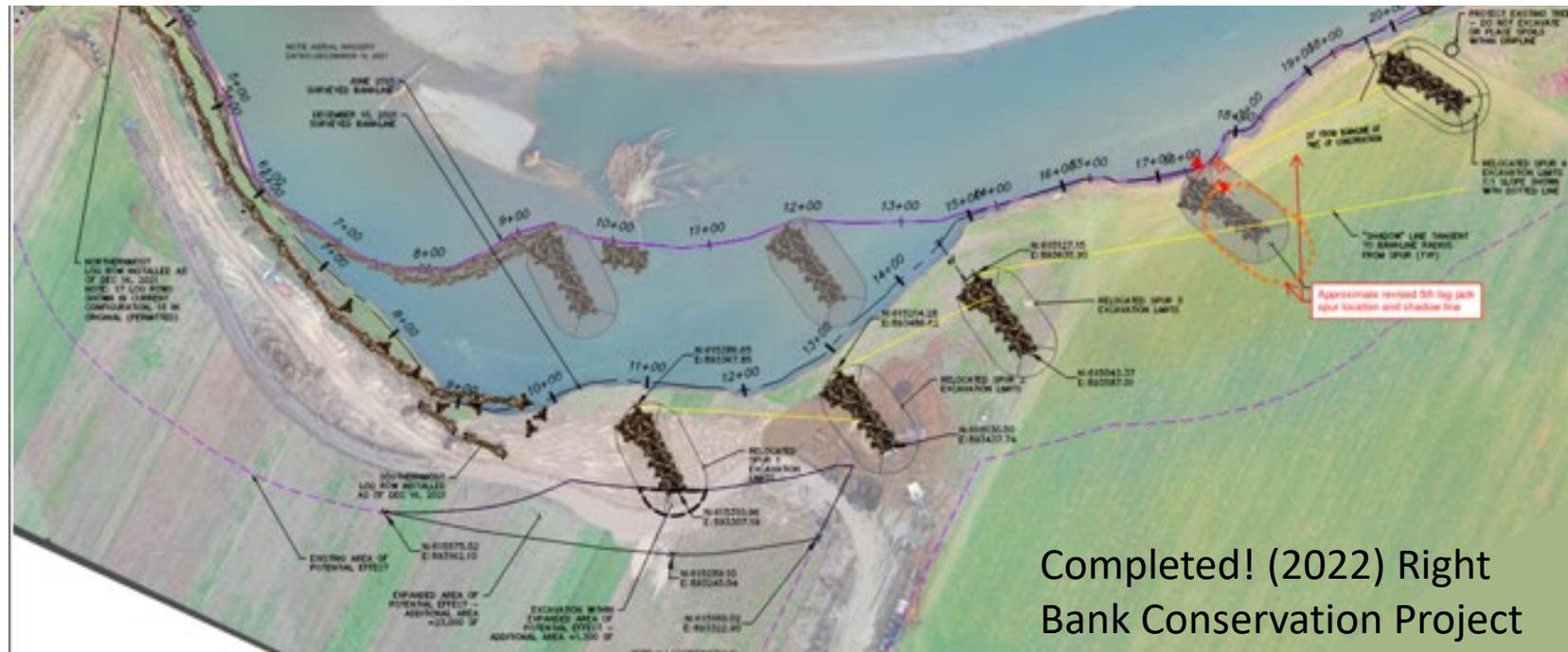
# Local Investment Planning

- Identify future projects through investment planning
- Examples:
  - Joint Surface Water Management Comprehensive Plan
  - Chehalis Flooding Strategy and Investment Plan



# Selecting Projects: Next Steps

- Generating a living inventory of future local projects/actions to:
  - Inform development of the Chehalis Basin Strategy
  - Participate in development of a funding strategy
  - Be ready if/when new funding becomes available
- Maintain a list of future projects
- Collaborate on pursuing funding from multiple sources



# Questions/Discussion



Figure 1 – Before, March 2017



Figure 2 – After, October 2020

Erika Britney and Katrina Sukola  
Chehalis River Basin Flood Authority



**COMPLETED! (2019)** 220+ Log Jacks Protect Montesano Wastewater Treatment Plant [Montesano, WA]

# Selecting Projects: Past, Present, Future

2012 – Legislature directed Flood Authority to work on 5 projects

2014 – 2023 and beyond: Evolution to the Project Selection Process



## 2014-2021

Sources:

- Immediate/acute needs to protect infrastructure
- Capital plans e.g., stormwater management plans
- Engage Agencies & Tribes in selection process
- Request clarification, as needed
- Request clarification
- Follow core values
- Respond to OCB/CBB feedback to prioritize
- Proceed with planning, assess feasibility
- Respond to new immediate/acute needs

## 2022-2023

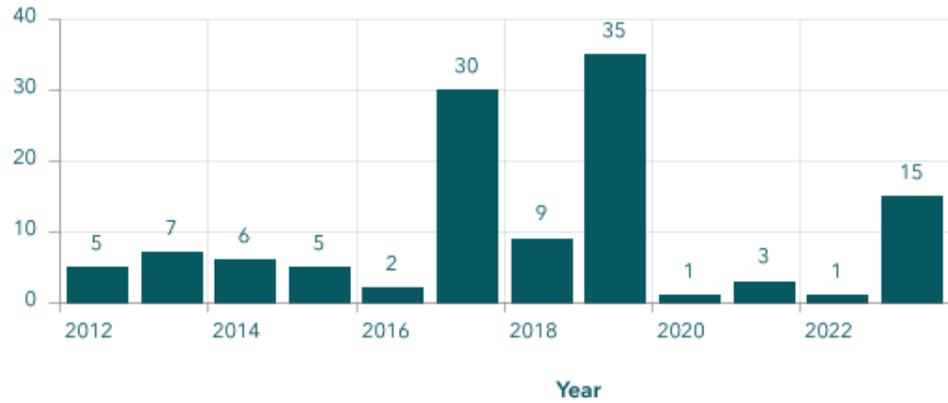
- Identify long-term investment planning efforts
- Prioritize immediate needs, sequencing and investment planning projects
- Respond to OCB/CBB feedback to prioritize
- Shift from emergency action/reaction to proactive projects

## 2024 & Beyond

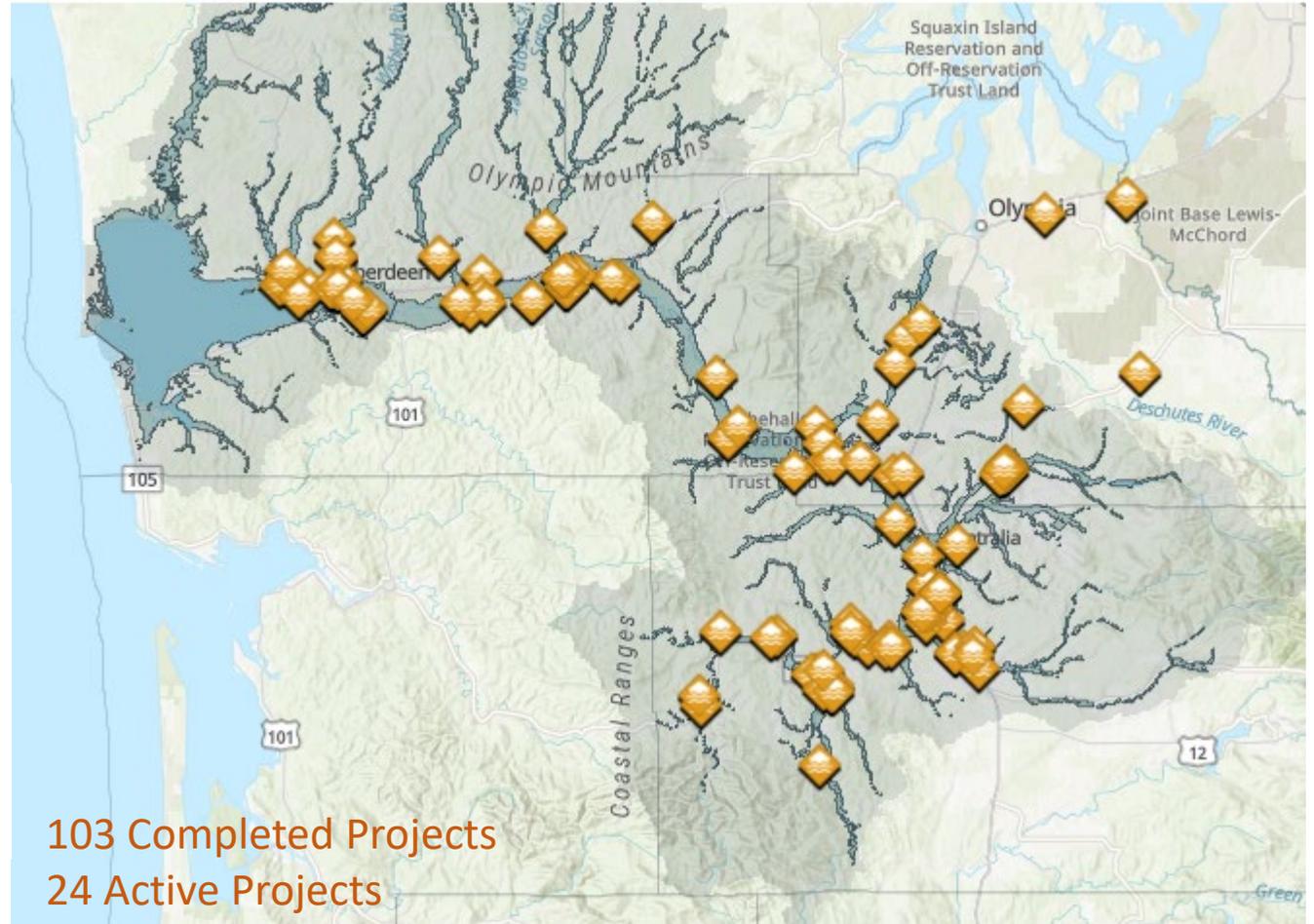
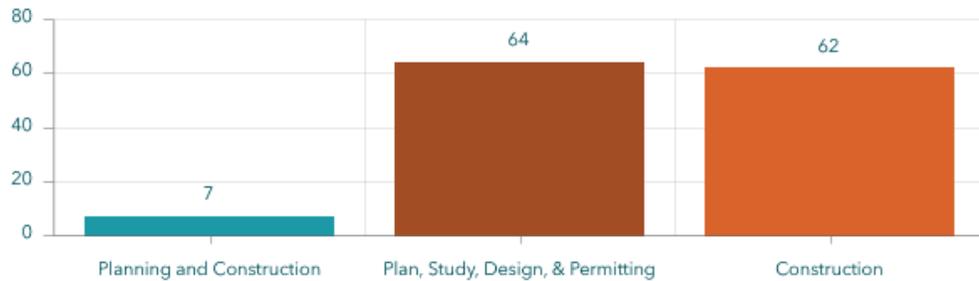
- Focus on investment plan development and implementation
- Continue to call for local projects
- Earlier awareness and flexibility to support short-term projects
- Consider finance of projects floodwater approach

# Projects: Past and Present

## Local Projects Completion by Year



## Local Project Types (2012 to Present)



# Local Projects (Completed 2012-23)



Figure 1 - Before, 1940's ear pump station



Figure 2 - After, today's pump station



# Local Project Examples: Cosmopolis

**COMPLETED FLOOD AND FISH** –  
Mill Creek Dam

## Mill Creek Multi-Objective Implementation Plan:

- ✓ Part I = Reconstruct Mill Creek Dam (done).
- ✓ Phase II project = Address 4,500' of Mill Creek flow, culverts, and flood water evacuation (under development).



CHEHALIS RIVER BASIN FLOOD AUTHORITY CITY OF COSMOPOLIS

### Another Chehalis Basin Flood Protection Project

**Mill Creek Dam Improvement Project**

Schedule → October 2015 to July 2017  
Budget → \$3,082,000  
Benefit → Protecting and restoring essential Community flood control assets

[www.ezview.wa.gov/chehalisfloodauthority](http://www.ezview.wa.gov/chehalisfloodauthority)

QR code and HDR logo



City of Cosmopolis, Sep 29, 2018



**The Daily World** AGAIN, Voted BEST BANK & BEST PLACE TO GET A LOAN Thanks!

News Sports Life Opinion Weather Obituaries Print Editions Contests Classifieds All Sections

## NEWS

### New Mill Creek Dam ribbon cutting Saturday in Cosmopolis

September 28, 2018 7:00 pm

Facebook Twitter YouTube Email Print

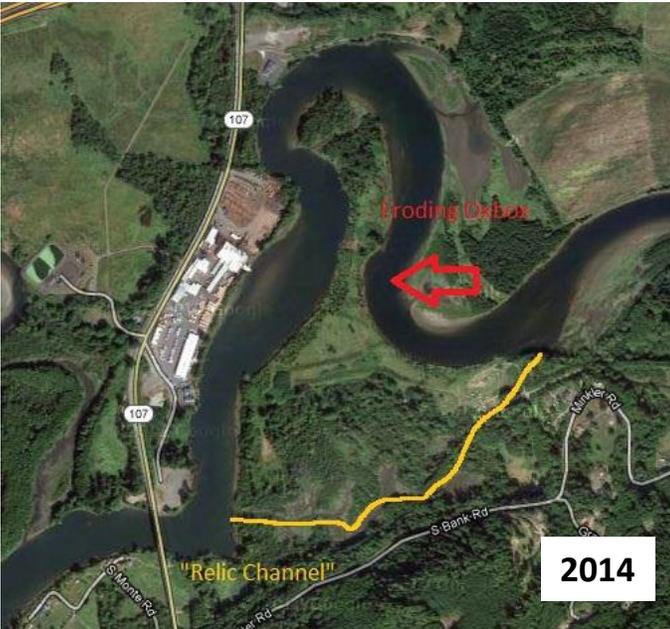


FILE PHOTO Cosmopolis Mayor Frank Chestnut (left) will officiate a ribbon cutting ceremony for the new Mill Creek Dam Saturday at noon.

<https://www.thedailyworld.com/news/new-mill-creek-dam-ribbon-cutting-saturday-in-cosmopolis/>

# Local Project Examples: Montesano

**COMPLETED FLOOD** – Mary's River Lumber and Montesano WWTP Chehalis River Protection Projects (2012-15)



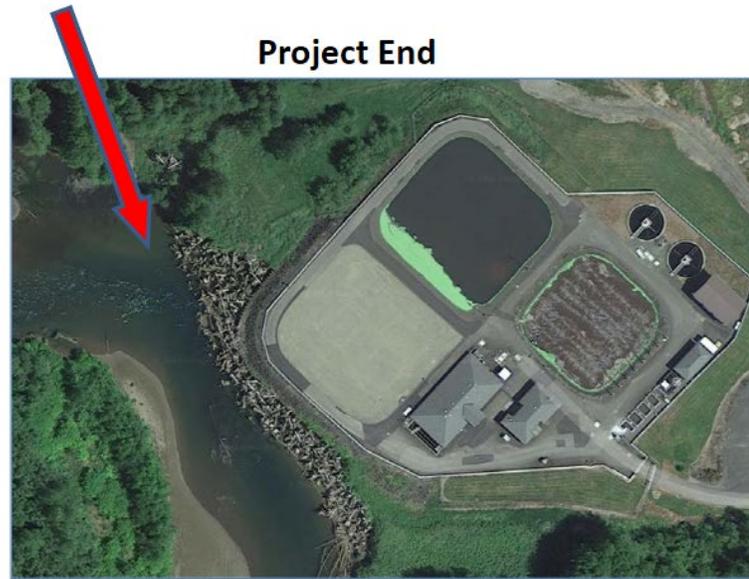
- ✓ ~\$6M protection against Chehalis River
- ✓ Funding pooled/shared.



# Local Project Examples: Montesano

**COMPLETED FLOOD AND FISH –**  
Montesano WWTP Protection  
Project (2017-2020)

- ✓ Protect WWTP from on-coming Wynoochee river using 220+ “log-jacks.”
- ✓ \$2 million (for “log-jacks”).
- ✓ Small cost compared to WWTP relocation and environmental cleanup (in event of WWTP breaching).



<https://www.google.com/maps/@46.9678637,-123.6077821,197m/data=!3m1!1e3>



**Project Start**



*Governor Inslee and Mayor Samuel stand overlooking the Wynoochee River.*

July 7, 2022 →

# Local Project Examples: Grays Harbor County, Grays Harbor Conservation District, WDFW

**COMPLETED FLOOD  
AND FISH –**

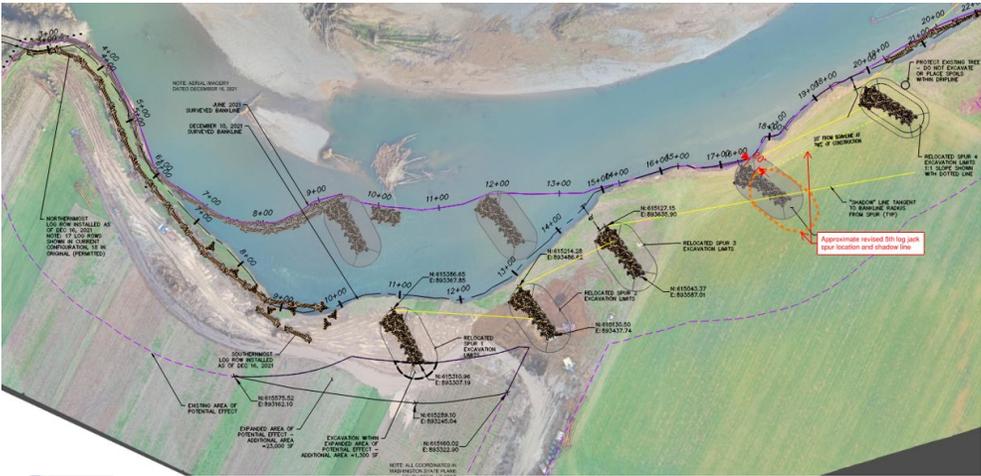
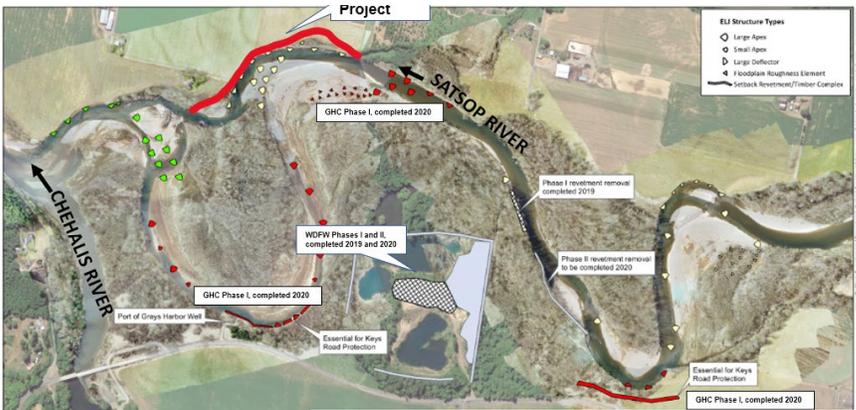


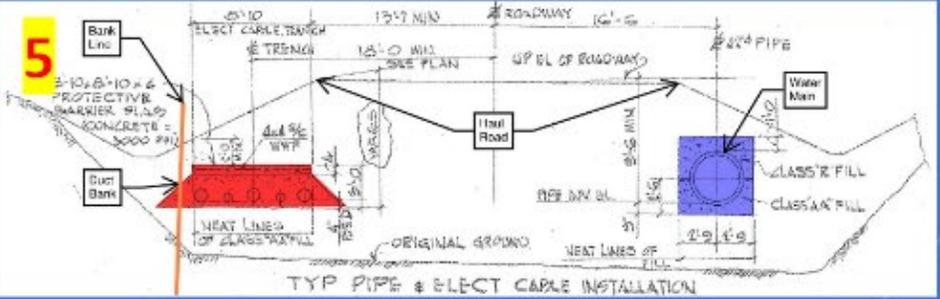
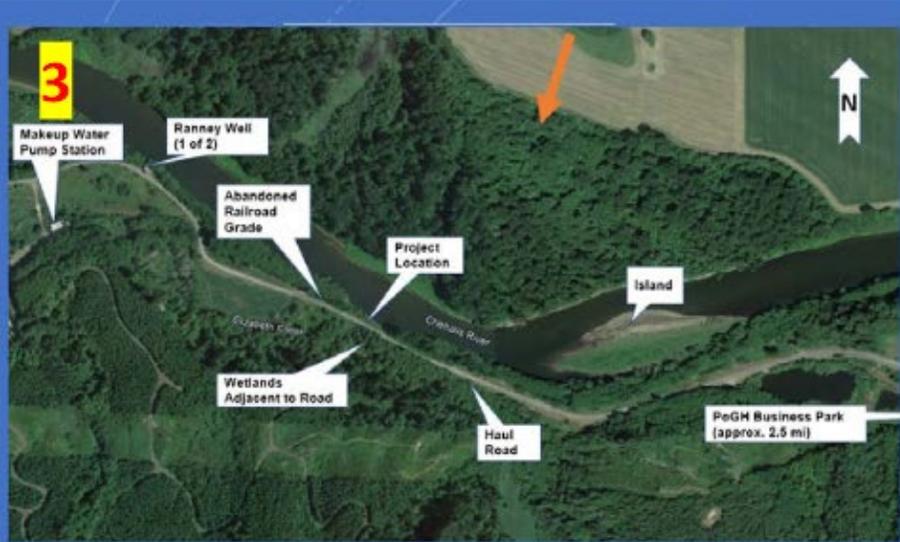
Image = 2019

## **COMPLETED FLOOD AND FISH –**

- 2022 Right Bank Conservation Project (Phase IB)
- 2020 Keys Road Infrastructure Protection (Phase IA)
- 2019-20 WDFW Ponds

# Local Project Examples: Port of Grays Harbor

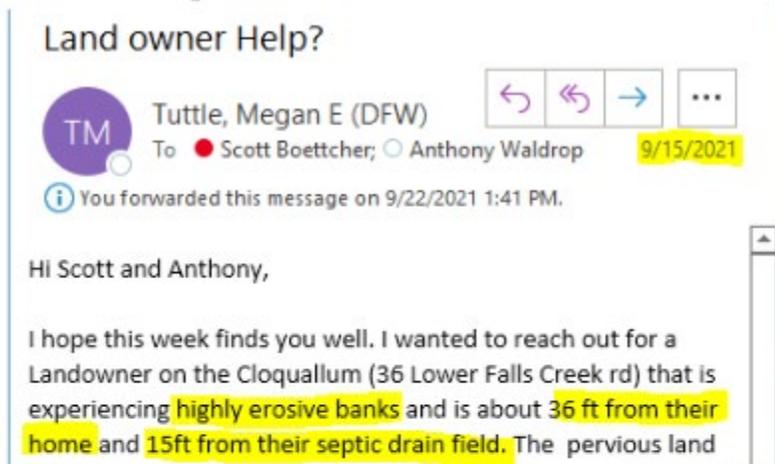
**COMPLETED FLOOD AND FISH** – “Haul Road” Emergency Repair (2022-23)



← 9/14/2022

# Local Project Examples: Grays Harbor Conservation District

**COMPLETED FLOOD AND FISH** –  
Cloquallam Creek Erosion Pilot (36 Lower  
Falls Creek Rd)



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

### Request -- 9-15-2021

- ✓ Highly-collaborative emergency project to protect property and septic drain field
- ✓ Property and drain field saved, environmental contamination and clean-up avoided.



Construction -- 11-23-2021



Post-Construction -- 12-01-2021

# Local Project Examples: Chehalis

**COMPLETED FLOOD –  
Chehalis-Centralia Airport**



**New Pump -- 2017**



**January 2022**



**Old Pump – 1940s**



**Widening/Repairing  
Levee – 2014**

- ✓ New Pump Cost = \$1.1M
- ✓ Widening Levee = \$1.2M
- ✓ ROI = Substantial:
  - Jobs: 1,658
  - Labor income: \$68 million
  - Value added: \$115.3 million
  - Business revenues: \$186.4 million
  - Annual tax revenues (local, state): ~\$9M
- ✓ 1/2022 High-water event = Airport stayed operational

# Local Project Examples: Aberdeen, Hoquiam

**UNDERWAY FLOOD** – North Shore Levee and West Segment

***PLANNING COMPLETED 2016*** – Timberworks (precursor to currently underway North Shore Levee for Aberdeen and Hoquiam)

