

# North Shore Levee Update

*Cities of Aberdeen and Hoquiam*



Chehalis Basin Strategy

## Partners:

- Chehalis Basin Strategy
- WA Dept. of Commerce
- Grays Harbor County



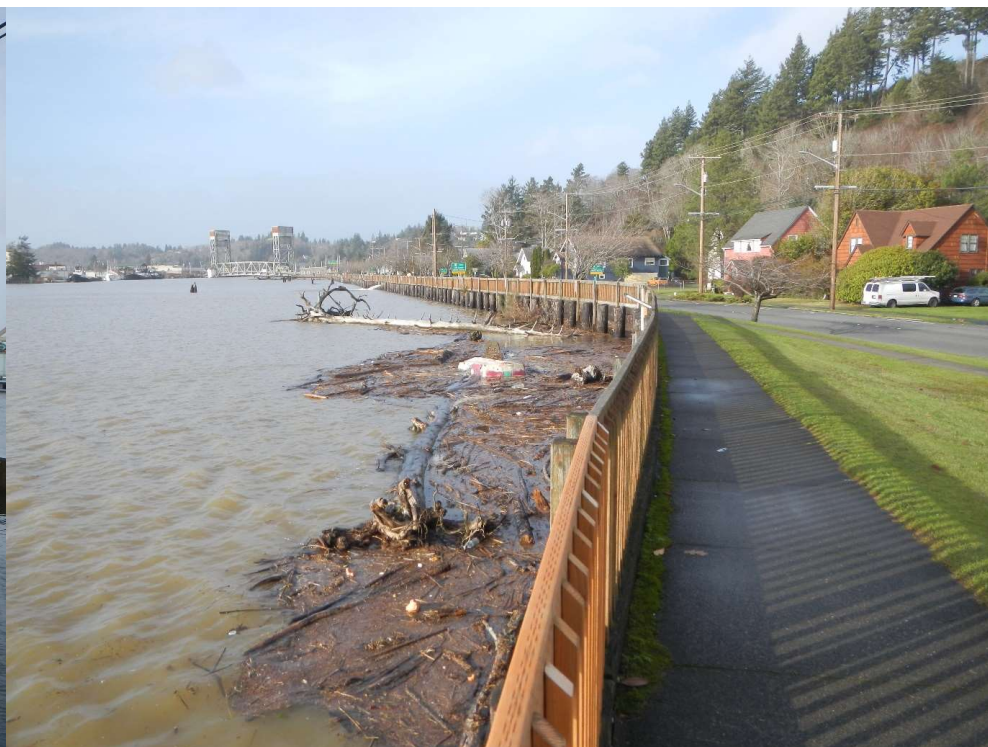
Thursday, November 5, 2020

# Recap: Flood Risk

(December 10, 2015 *high tide*)



F Street in Aberdeen



Riverside Avenue in Hoquiam



# Recap: Flood Risk

(January 4-5, 2015 rainfall event)



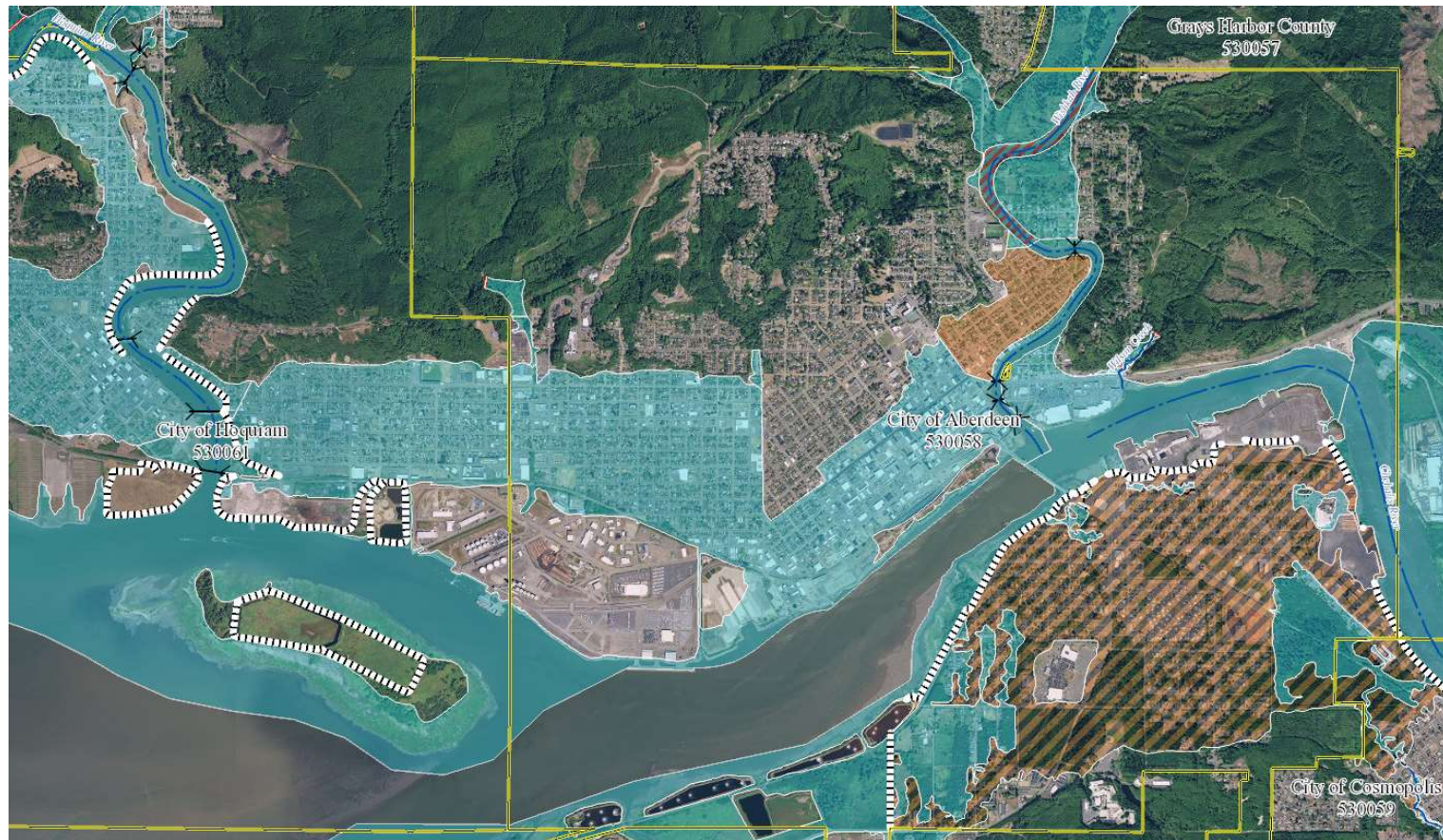
Conger Street in Aberdeen



Oak Street in Aberdeen

# Recap: NFIP Regulations

(Blue = Special Flood Hazard Area)





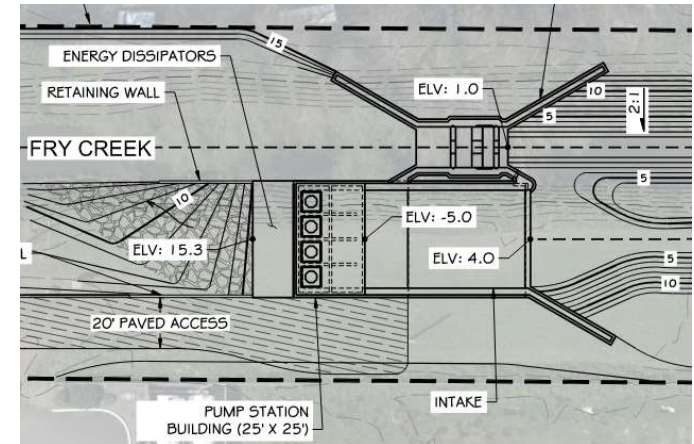
# Current Activity & Look Ahead

## 1. Final Pre-Construction Activity

- Right-of-Way Acquisition – Funded, underway.
- Design Associated with Alignment Revision – Funded, 2020 Q4 – 2021 Q2.
  - Subtask: Coordinating accreditation strategy with FEMA.
  - Update estimate of central segment construction costs.

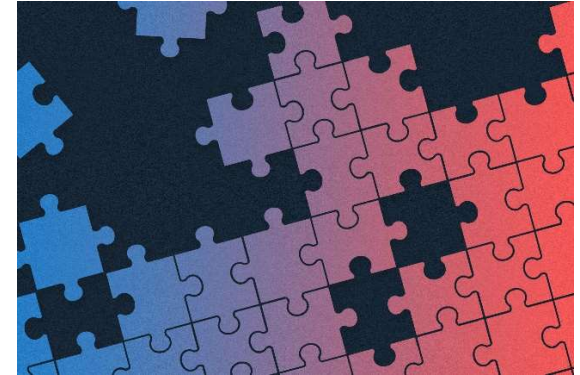
## 2. Pivot to Implementation & Construction Financing

- Fry Creek Pump Station priority – Leveraging OCB dollars to pursue \$10.8 million in EDA and BRIC funding.
- Contracting with grant-writer (The Beckett Group) and “light” project manager (HDR) for ownership group administrative assistance and review.
- 2021-2023 biennium will see aggressive pursuit of blended funding to finance construction.
- ***Goal is full construction financing in this biennium.***



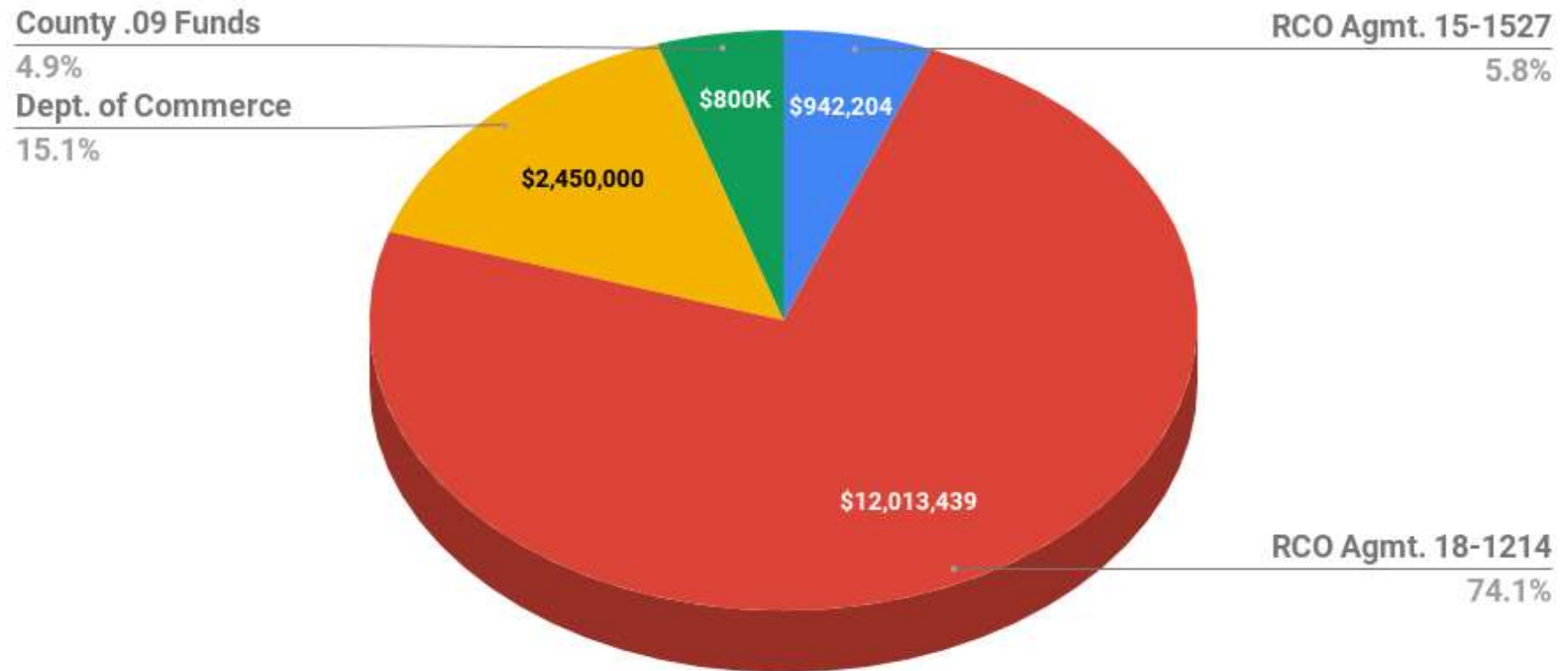
# Funding Puzzle

The project's funding strategy includes heavy blending of federal, state, county, and city sources. OCB has been the core funding to allow leveraging of other funding sources and commitments, and it is key to current effort to secure a major federal funding commitment.

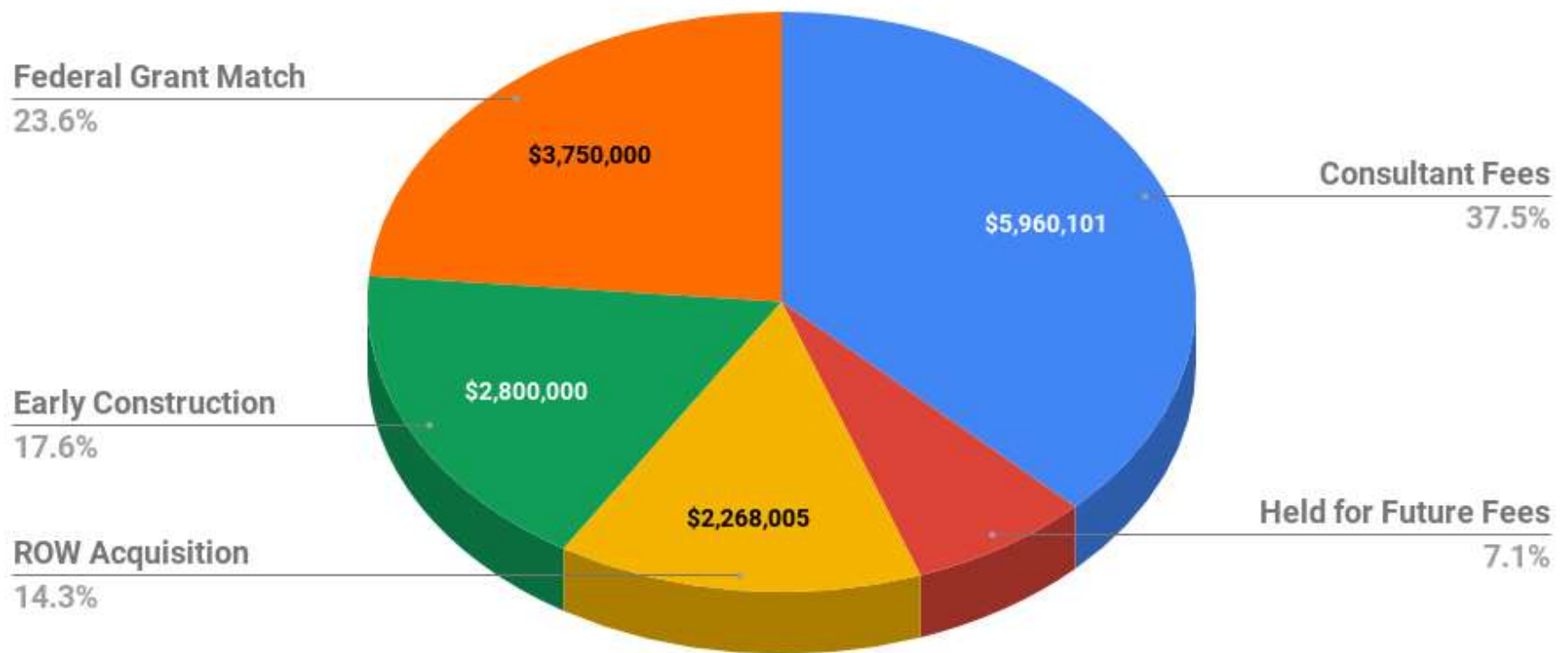


RCO Agreement #15-1527	State	Flood Authority	Surveying, Analysis, Design, Permitting	Completed	\$ 942,204
RCO Agreement #18-1214	State	OCB, Flood Authority	Design, Permitting, Prop. Acquisition, Early Construction	Obligated, In Use	\$ 12,013,439
Commerce Agreement	State	Dept. of Commerce	Design, Permitting	Obligated, In Use	\$ 2,450,000
GH County Agreement #1	County	.09 Distressed County Funds	Property Acquisition	Obligated, In Use	\$ 500,000
GH County Agreement #2	County	.09 Distressed County Funds	Railroad Improvements	Obligated	\$ 300,000
FEMA AA Grant	Federal	FEMA AA	Benefit-Cost Analysis	Application Submitted	\$ 150,000
Economic Dev. Authority	Federal	FEMA DR-4418	Construction - Fry Creek Pump Station	Application Submitted	\$ 10,874,545
FY 2020 BRIC Application	Federal	FEMA	Construction - Fry Creek Pump Station	Application In Progress	\$ 10,874,545
2021-2023 State Requests	State	OCB, Other Programs TBD	Construction - Levee Structure Contract 1	Planned Request	\$ 21,400,000
2021-2023 Fed. Requests	Federal	Programs TBD	Construction - Levee Structure Contract 2	Planned Request	\$ 32,500,000
USDA Loan	City	Aberdeen Stormwater Utility	Stormwater Utility Pump Stations	Planned 2021	\$ 18,500,000
USDA Loan	City	Hoquiam Stormwater Utility	Stormwater Utility Pump Stations	Planned 2021	\$ 4,700,000

## Current Financing - \$16,205,643



## Current Expenses - \$15,905,643



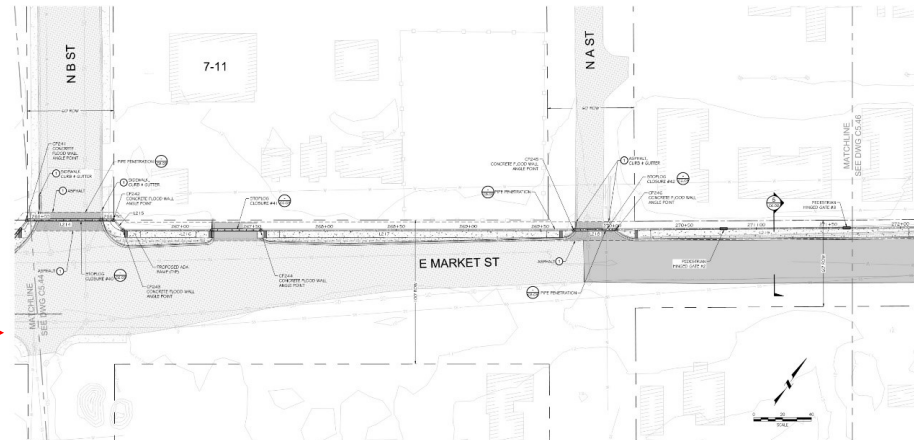


# 21-23 Biennium & Beyond

## 1. Phased Construction as Funding Allows

- **2021-2023 OCB request of up to \$21.4 million** for phased construction and leveraging federal requests—project is ready for total construction funding of \$54 million to be spent starting in 2021 if funds are available.
- Maintain scalability for phased construction contracts to fit available budgets.

LEVEE SEGMENTS FOR PHASED CONSTRUCTION	
1	West Terminus to Riverside Bridge
2	Riverside Ave Bridge to 20th Street
3	20th Street to Ontario Street
4	Ontario Street to Myrtle Street
5	Myrtle Street to 1st Street
6	1st Street to Division Street
7	Division Street to Park Street
8	Park Street to K Street
9	K Street to F Street
10	F Street to Wishkah Street Bridge
11	Wishkah Street Bridge to Young Street Bridge
12	Young Street Bridge to East Terminus



## 2. Levee Certification & Letter of Map Revision (LOMR) → Protected Areas Change from SFHA to Zone X

# North Shore Levee West Segment



- Continuation of North Shore Levee to west side of Hoquiam River.
- CLOMR submitted and under review.
- \$4 million needed for final design and ROW in 2021-2023.

# Thank You / Questions



## Chehalis Basin Strategy



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### EMPLOYMENT IMPACTS

Grays Harbor County (pop. 75,061) is one of the most economically disadvantaged communities in Washington State. Aberdeen and Hoquiam (total pop. 25,411) are the economic and employment center of the County with:

- ◆ Current employment: **13,660**
- ◆ Current businesses: **994**

In the last four years, Aberdeen and Hoquiam have lost 842 jobs. Flooding, high flood insurance rates, and flood-plain building code restrictions add risk and costs to living and working in the community. The project will eliminate these barriers by removing over 3,100 properties from FEMA's mapped Special Flood Hazard Area. The project is estimated to create or maintain 1,000 jobs through direct construction and the removal of investment hurdles, significantly bolstering the economy of Grays Harbor County and Washington's Central Coast.

*\*Job creation numbers are based on data from prior Federal infrastructure stimulus data provided by the President's Council of Economic Adviser.*

The Cities of Aberdeen and Hoquiam experience regular flooding due to winter storms and coastal storm surges. Residents and businesses are burdened with expensive flood insurance and building code restrictions required by FEMA and the National Flood Insurance Program. The North Shore Levee project (construction \$78M), will add 6.2 miles of accredited levee across the two cities, providing critical coastal flood protection and removing over 3,100 properties from FEMA's mapped Special Flood Hazard Area. The project will build resiliency in the face of future flood events and climate change, retaining existing businesses, jobs, and residents which have been on the decline in the community.



### This project will:

- ⇒ Protect 3,100 properties
- ⇒ Protect 994 businesses
- ⇒ Maintain 842 jobs
- ⇒ Create 100-400 new jobs

***The levee will remove \$1.2M in annual flood insurance premiums from a community with regular, disruptive flooding but a low rate of claimable losses. Over the last 40 years, despite recurring floods, less than \$4M in total insurance claims have been paid out to the community.***