Floodplains by Design

Collaborative Resilience in Washington State





WA River Flood Profile

Flood Risk Score: High (dark blue) to Low (light blue)

- In Washington, the <u>costs of</u> <u>flooding exceed all other natural</u> hazards.
- There is over an 80% chance that 10 or more flood events will happen in any given year in the state
- The frequency of events will increase as the climate changes

primary causes of flooding couver Coastal storm Abbotsford surges Pullman ston Grand In Western Washington, floods typically result Overwhelmed storm drains, from prolonged winter flash floods, ice jam and debris rains. blockages, and channel migration can cause or aggravate flooding throughout the state

In Eastern Washington

and the Cascades, spring snowmelt and rain-onsnow events are the

Information Source: WA

SFHMP



• REDUCING RISK, RESTORING RIVERS •

An ambitious public-private partnership working to reduce flood risk, improve working lands, and restore habitat across WA rivers.





Capital grant program led by WA Dept. of Ecology.



Backbone
team leading a network
of local govts, tribes,
NGOs, restoration
practitioners.



Driver of change in watershed management.



Built upon trust, collaboration, and shared knowledge

Overarching Goals As FbD Network & Partner Supporters

0

Simplify process, amplify

impact

2

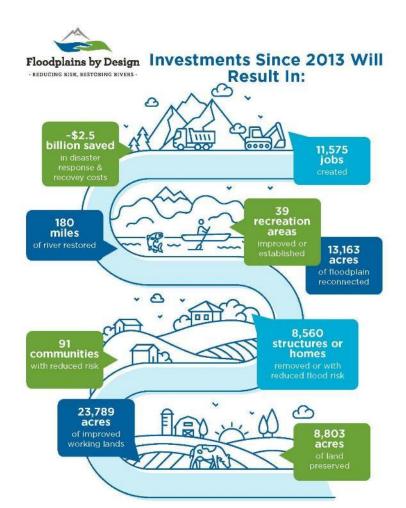
More funding, fewer barriers

3

Build local and regional capacity to meet community needs

Reach and Impact





State Agency (Department of Ecology)

NGO Team

Administers grant programs

in considerates for funding and brings in considerates for funding and brings

Provides technical expertis

Regular pates oportunities for candid feedback nur ations builds process

Manages internal policy improvements

under and what is/is not working

Offers government to government consultation to Tribes

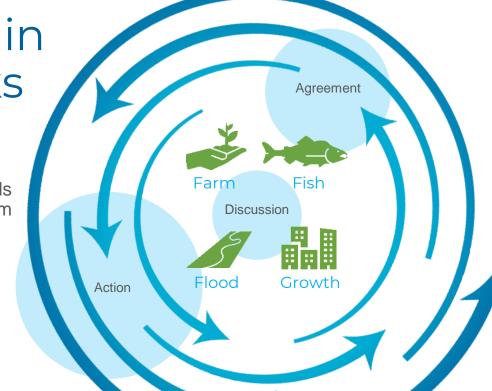
practice and policy

Provides regulatory oversight

Identifies needed efficiency and efficacy improvements

Floodplain Networks

Cycle builds momentum





Cycle generates greater benefits for more interests



Jamestown S'Klallam Tribe

Rivers Edge Levee Setback



Clallam County

Towne Rd. Levee Setback

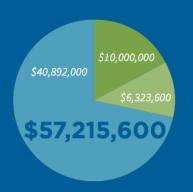


Funding overview

ECONOMIC BENEFIT

Every \$1 invested in climate resilience programs like FbD saves \$7 in disaster response and recovery costs. This translates into as much as \$70,000,000 in savings for a \$10M FbD investment.

(National Institute of Building Sciences 2022)



- Floodplains by Design
- Tribal, Federal, and other State Funding
- Local Funding

With a total cost of over \$57.2M, this project will generate 955 new or sustained jobs and roughly \$125.8M-\$143M in total economic activity, of which 80% will stay in Whatcom County.

Investments Will Result In:







62
acres of floodplain reconnected

1,966
acres of improved working lands





























Integrated Floodplain Management

Long-term collaboration to improve resiliency of floodplains for the protection of human communities & the health of ecosystems, while supporting values important to the community.



