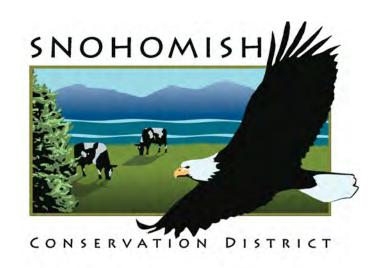
Virtual Tour of Snohomish Conservation District

Snohomish County and Camano Island



Presenters: Linda Lyshall, Carrie Brausieck, and Kristin Marshall



Multi-functional Working Buffers

WSDA Specialty Crop Block Grant

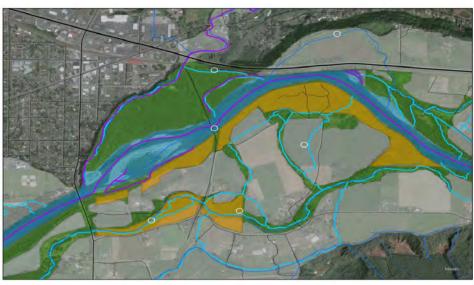




Agroforestry Restoration

Proposed project with NOAA & Tulalip Tribes





Pilchuck Julia Landing

Multi-functional Riparian Forest Buffer





Seed to Fork Community Food Forest and Stormwater Bioswale









"The Agriculture Resilience Plan is an effort to help all of us farmers weather the changes that are coming in the future. It's a way for farmers to raise their voices together and create change to benefit agriculture."

- Libby Reed

Farmer Dialogue – County Wide Priority Needs

AGRICULTURAL RESILIENCE PLAN







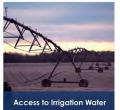
Priority Resilience Needs

With increased development and a changing climate, the agricultural community in Snohomish County is facing several future challenges. These are the top priorities that local farmers have raised to our attention. These needs will require a lot of partnership building, innovation, creative thinking and funding in order to be met.



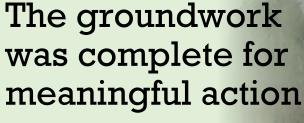
Additional groundwater analysis





- Drainage Infrastructure and Maintenance
- Compensation for Upland Runoff
- Flood Protection
- Farmland Conservation
- Access to Irrigation Water
- Drought Resilience Practices
- Additional Groundwater Analysis





- Science-based plan with hundreds of hours of input from agriculture
- Reach-scale and County wide priority needs
- A project list generated by farmers, for farmers
- Partners
- A mandate get (back) to work



Considering the floodplain agroecosystem

- Populations
 - Farmers
 - Homeowners
 - Tribes
- Habitat functions
 - Birds
 - Fish
 - Amphibians
 - Soil health
- Ecosystem services
 - Water and air quality
 - Flood storage
 - Green/open space



Farm, fish, and flood interests are all essential to the floodplain, the question is how to find common ground









Floodplains face:

Increasing development
Degraded/decreasing habitat
Rising groundwater
Increased
precipitation and flooding



New funding has played a critical role in collaborative planning

Bringing farmers' and landowners' voices to the table

Supporting SLS and the Integration Teams







www.farmfishflood.org



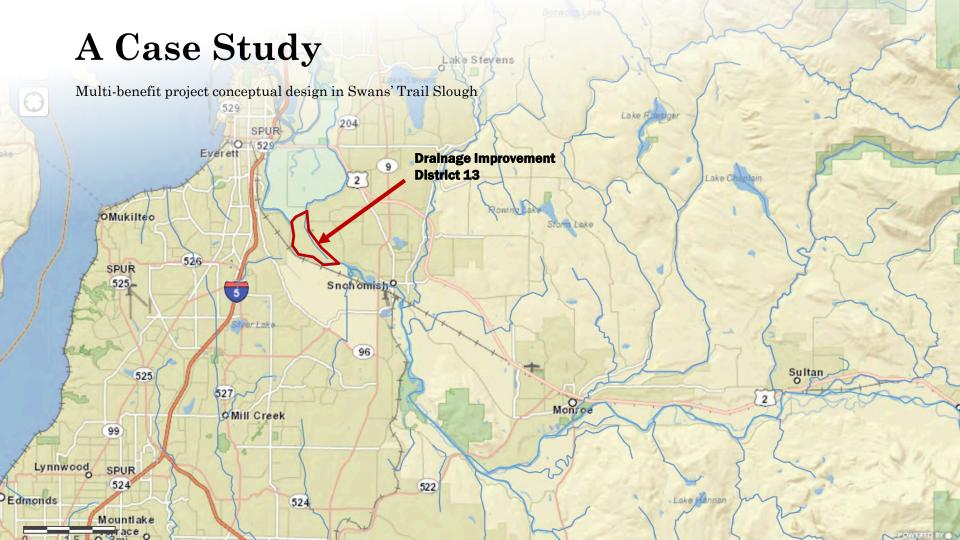


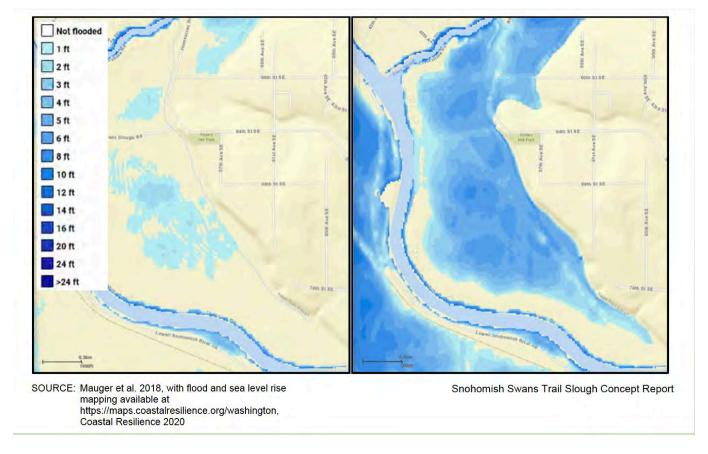


Community Floodplain Solutions

Together we can keep local farms viable, restore habitat for fish and wildlife, and reduce flood impacts.



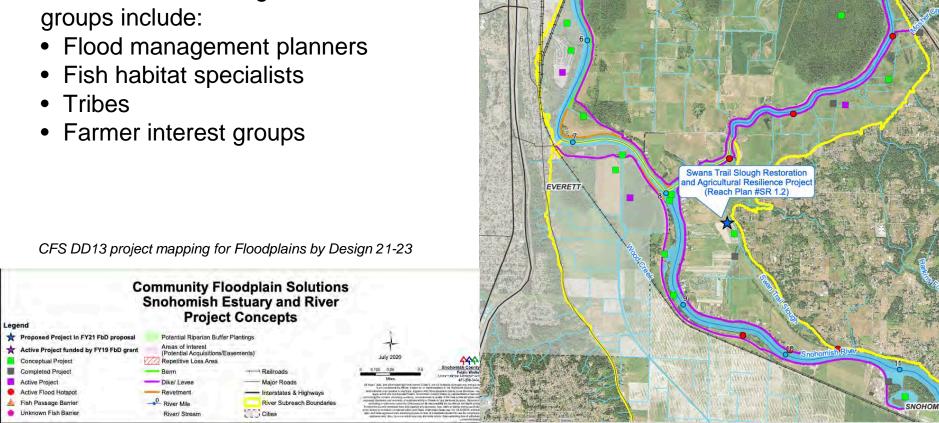




Historical (1980s)10-year Flood Inundation Depths (left) and Future 2050 10-year Flood Inundation Depths for RCP 8.5 High Emissions Scenario with 50% Likelihood (right). – *Cardno/ESA 2021*

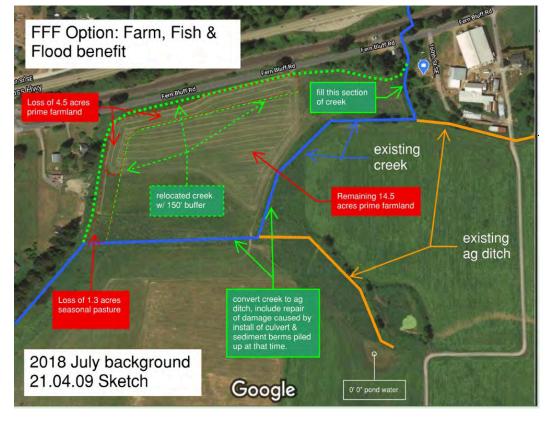


The Snohomish Integration Team

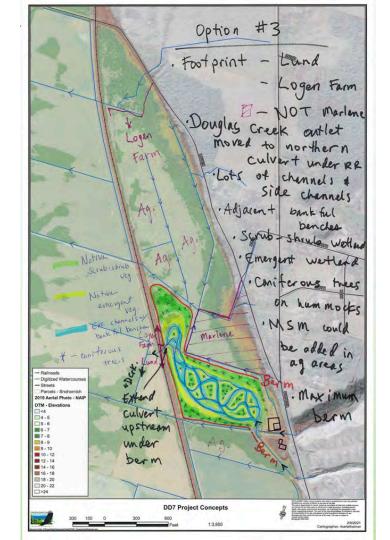


LAKE STEVENS





Catchment and stream relocation project concepts to deal with sediment and runoff in Sultan (left – landowner concept) and Stanwood (right – SCD engineer concept)



Coordinated fish passage and flood risk projects







Acknowledge Funders

- Washington State Conservation Commission
- Floodplains by Design
- EPA National Estuary Program, Puget Sound Partnership NTAs
- NOAA
- USDA
- Department of Ecology
- ESRP Learning Program

Partners







Protecting nature. Preserving life.



Center for

Sustaining Agriculture & Natural Resources

WASHINGTON STATE UNIVERSITY



STILLAGUAMISH TRIBE OF INDIANS





Conservation & Natural Resources
Surface Water Management



FORT&RRA

FOR THE PEOPLE, FOR THE LAND, FOREVER.

Questions?