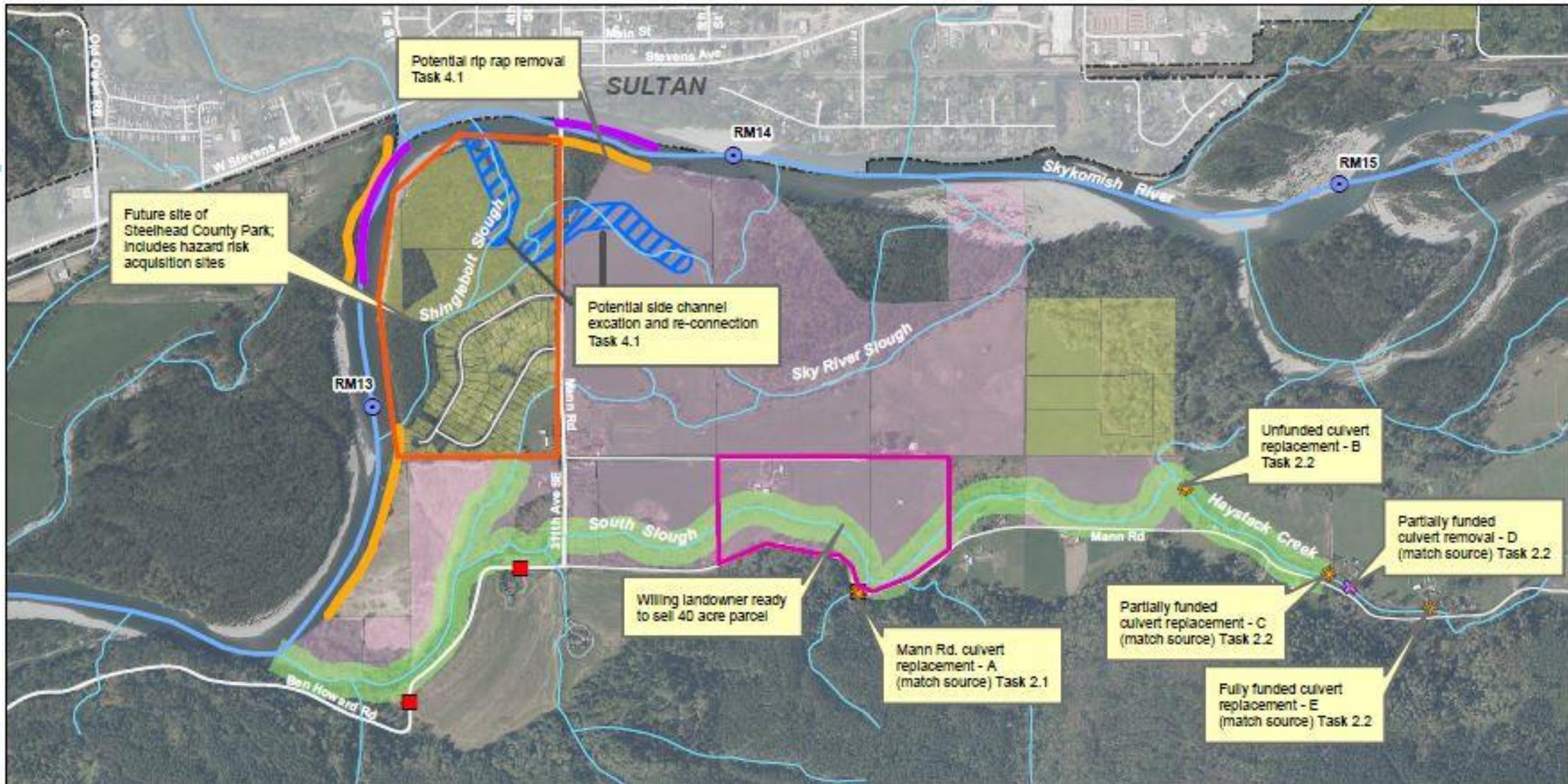




Snohomish Community Floodplain Solutions

Floodplains by Design 2021-2023 Grant Application
Presentation to Snohomish Technical Committee
June 2, 2020



Advancing Sustainable Lands Solutions in the Snohomish Basin
Sultan Reach Project-Scale Actions
Task 2

- | | |
|-------------------------------------|--|
| River Miles | Potential Side Channel Re-Connection (Task 4.1) |
| Road Elevations (match source) | Snohomish County Ownership |
| Culvert Replacements (match source) | Area of Interest (potential acquisitions/leases) |
| Culvert Removal (match source) | Cities |
| Potential Riparian Buffer Plantings | |

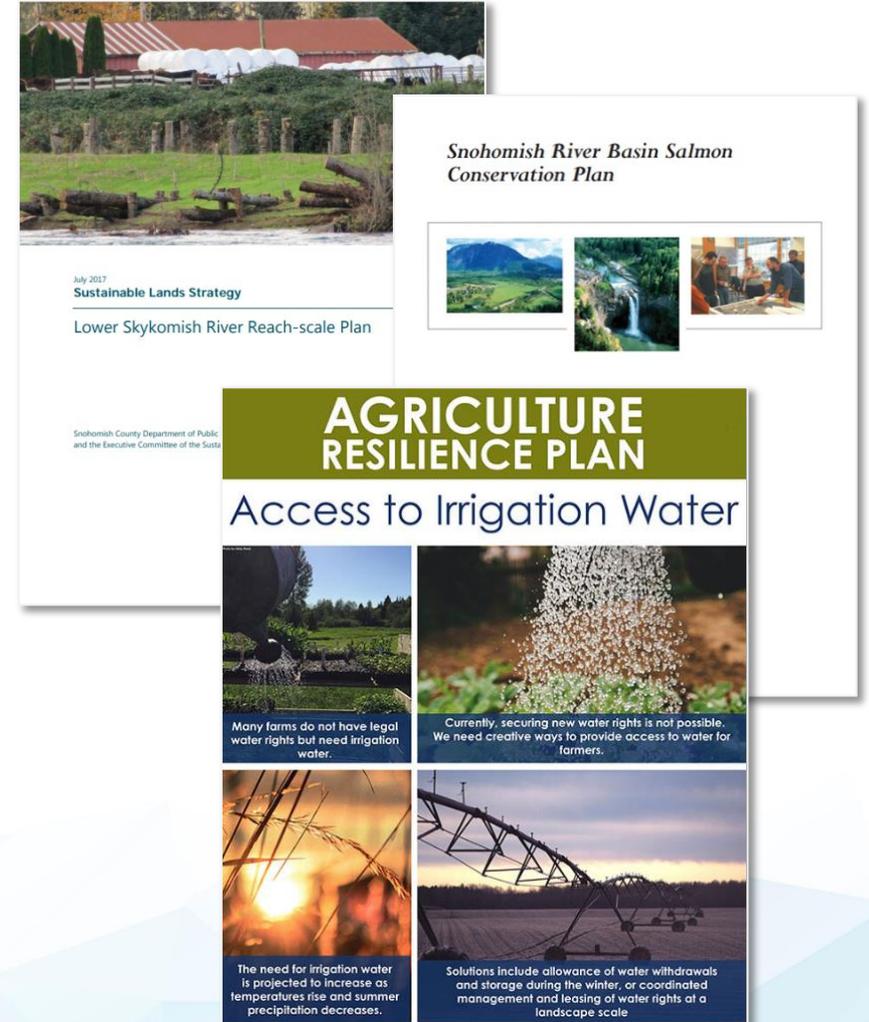


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Watershed Scale Vision - Planning

Actions in this package of projects were identified by:

- SLS vision and mission
- The Lower Skykomish River Reach-scale Plan (2018),
- The Snohomish River Basin Salmon Conservation Plan (2005),
- The Agriculture Resilience Plan for Snohomish County (2019), and/or
- The Snohomish Integration Team



Watershed Scale Vision – Integrating Across Interests

The Snohomish Integration Team (IT) , formed in Nov 2019, developed the package of projects included in this grant application. Its members have extensive expertise in issues relevant to flood, fish, and farm interests.

The purpose of the IT is to:

- Accelerate the magnitude and scale of multi-benefit projects (farm, fish, flood) in the Snohomish River Basin
- Increase community engagement and interest in participating in fundable solutions
- Create a network of engaged practitioners and land owners who share a common vision



Participating SNOHOMISH IT Entities and Representatives

Entity	Representative(s)
Tulalip Tribes	Kurt Nelson, Brett Shattuck, and Morgan Ruff (Facilitator)
Snohomish Conservation District	Cindy Dittbrenner and Sky Miller (contractor)
Snohomish County	Gretchen Glaub, Jessica Hamill, Aaron Kopp, Mike Rustay, Linda Neunzig, and Brett Gaddis
PCC Farmland Trust/Forterra	Robin Fay/Nick Bratton
Ducks Unlimited	C.K. Eidem
WDFW	Lindsey Desmul
City of Monroe	Jordan Ottow

NOTE: Composition of the IT is still being developed. Spencer Easton (contractor with ESA) assists with planning and facilitation.

Partners



Snohomish
County



Snohomish
Conservation
District

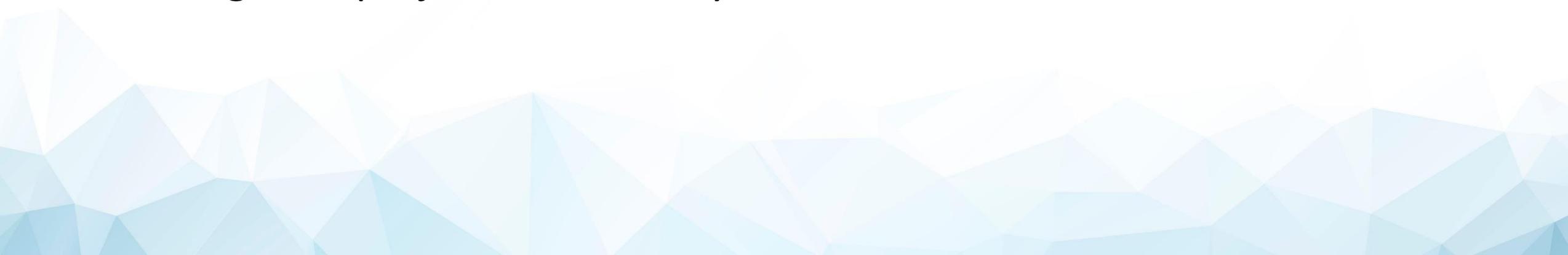


PCC Farmland
Trust



Tulalip Tribes

Overview: Overarching Strategy

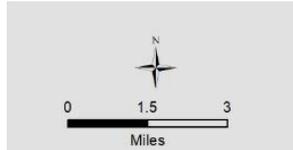
- Advance projects and actions funded by Dept of Ecology FbD grant (2019-2021)
 - Promote multi-benefit opportunities through property acquisition and agricultural conservation easements
 - Design and implement actions developed under current FbD grant
 - Develop conceptual design and conduct outreach for a large-scale integrated project in Lower Skykomish
- 

Overview: Specific Actions

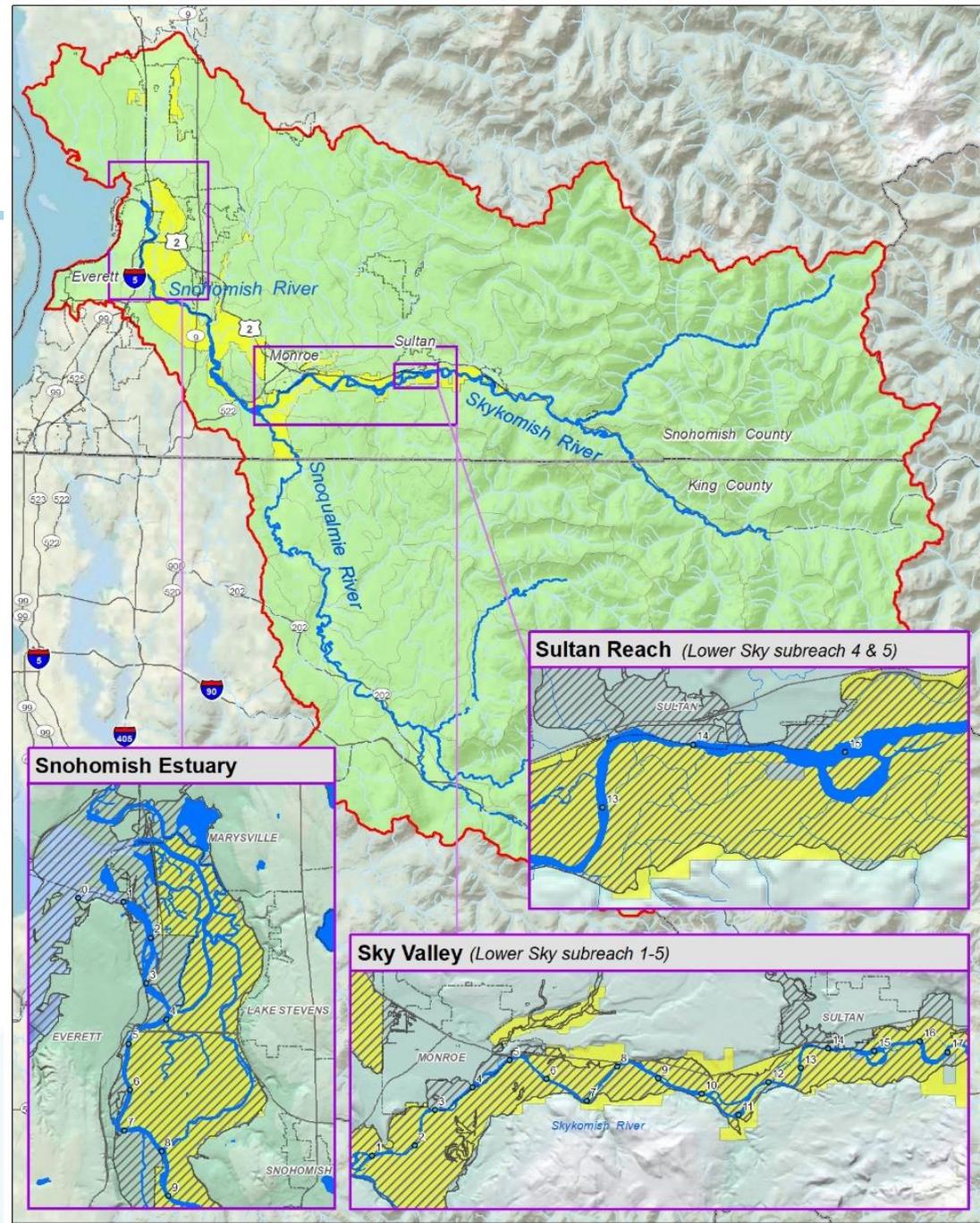
(capital, capital – design, capital- scoping/design, and programmatic)

- Property Acquisition for Floodplain Protection (capital)
- Snohomish Floodplain Farmland Conservation (capital)
- Sultan Reach Agricultural Resilience Projects (capital – scoping/design)
- Swans Trail Slough Restoration and Agricultural Resilience Project (capital – design)
- Riley and Haskel Slough Water Conveyance and Connectivity Improvements (capital – scoping/design)
[SRFB application for Haskel feasibility](#)
- Lower Skykomish River Integrated Capital Project Feasibility and 30% Design (capital – scoping/design)
- Final Design(s) for Integrated Project(s) in the Lower Skykomish (capital – design – Phase I funding scoping with community)
- Integration Team Support (programmatic)
- Communications and Outreach (programmatic)
- Agricultural Resilience Plan Advancement Capacity Funding (programmatic)
- Grant Administration and Project Management (programmatic)

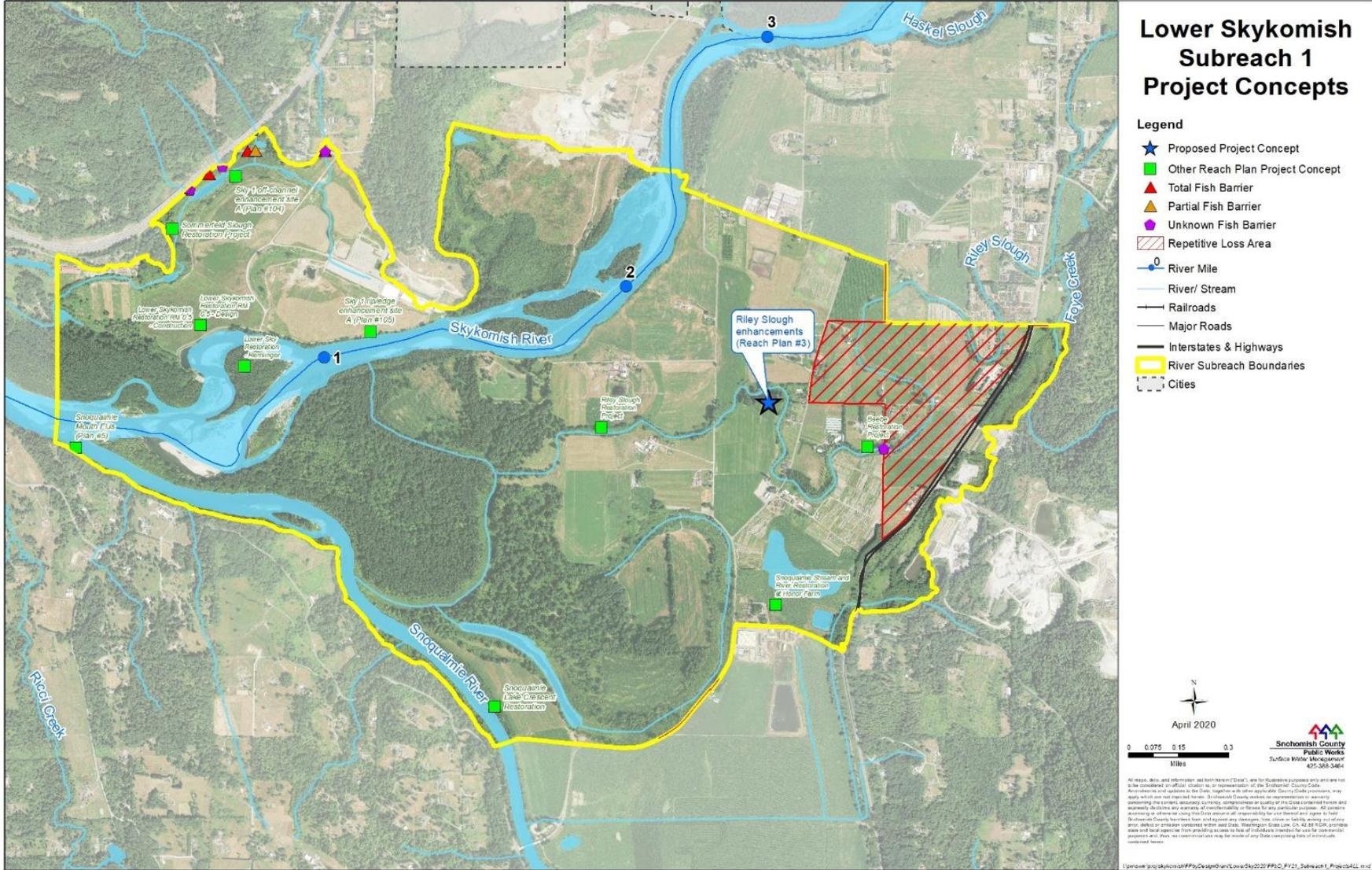
Vicinity Map



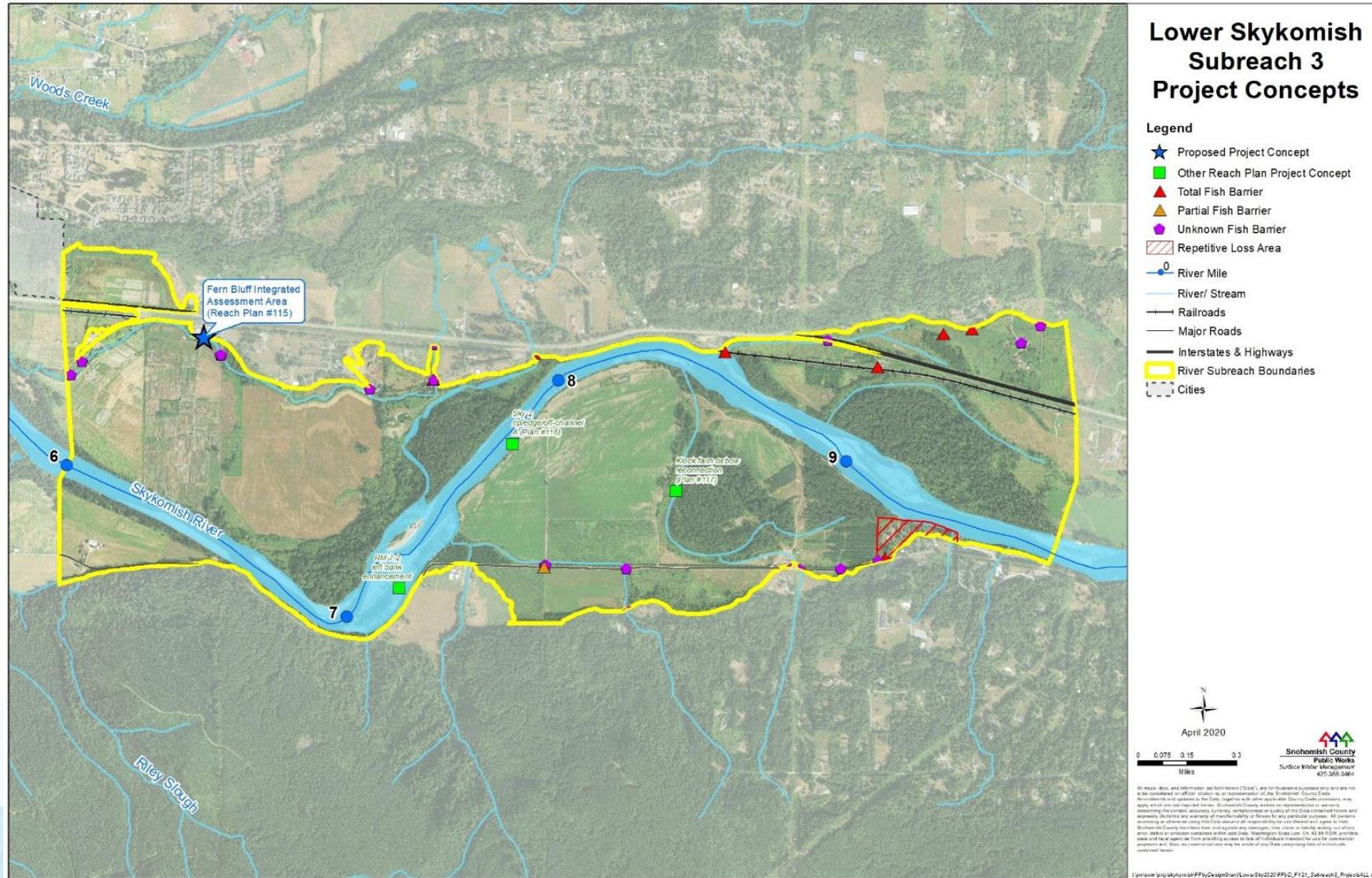
- Watershed Boundary
- Agricultural Zoning
- Snohomish Basin
- 100 Year Floodplain
- County Boundary



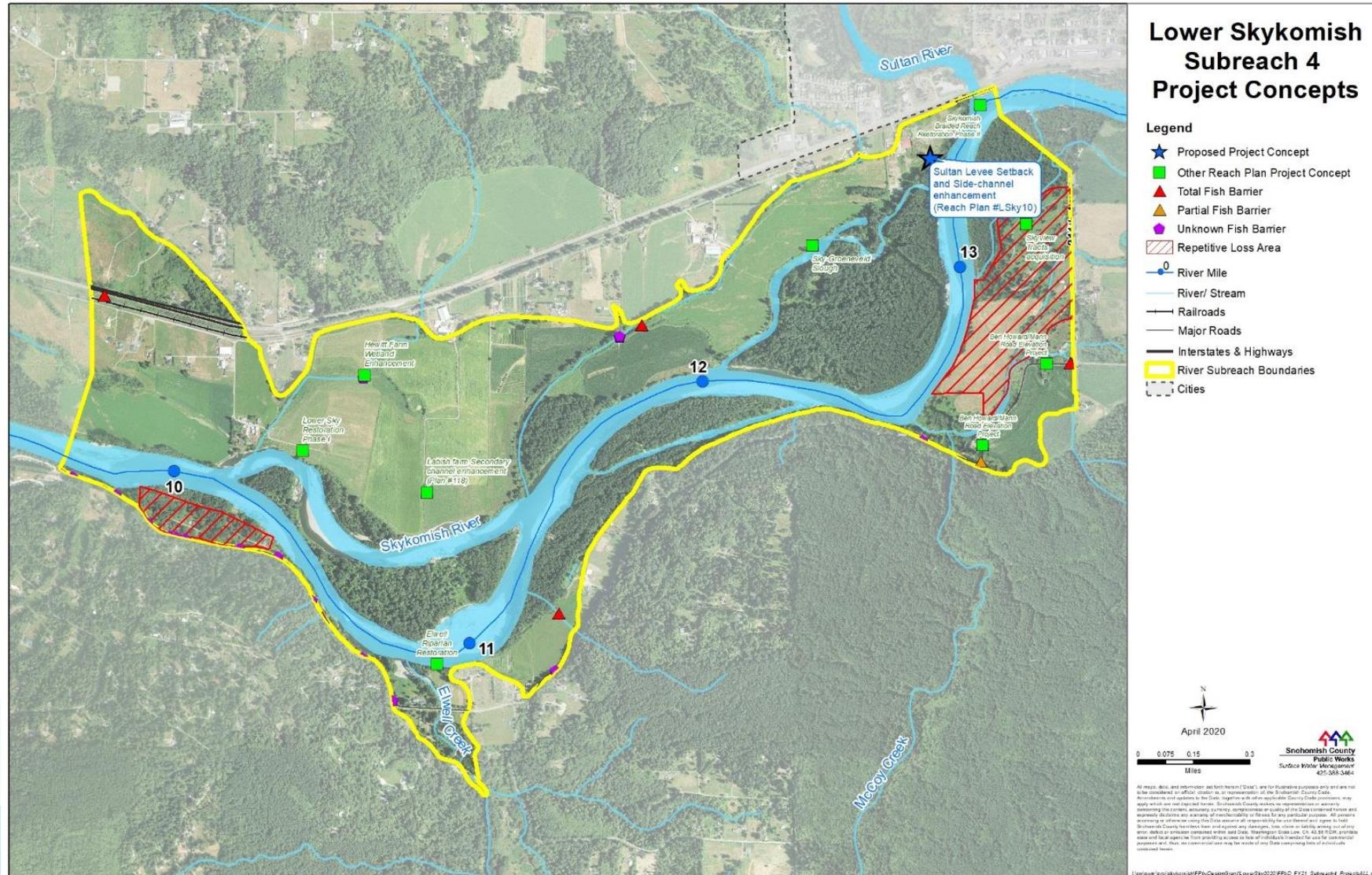
Reach Plan Maps – Sky Valley Subreach 1



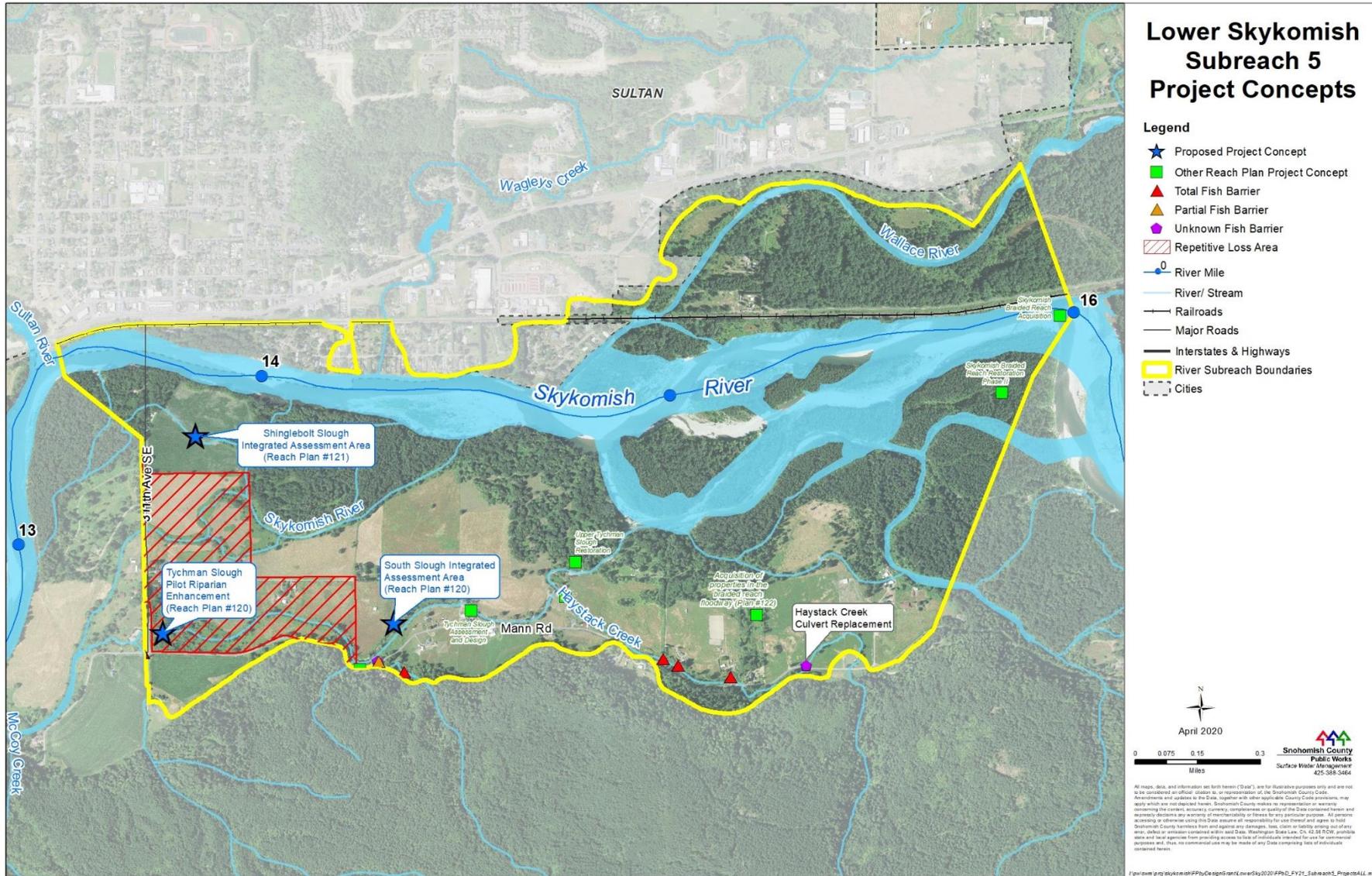
Sky Valley - Subreach 3



Sultan Reach - Subreach 4



Sultan Reach - Subreach 5

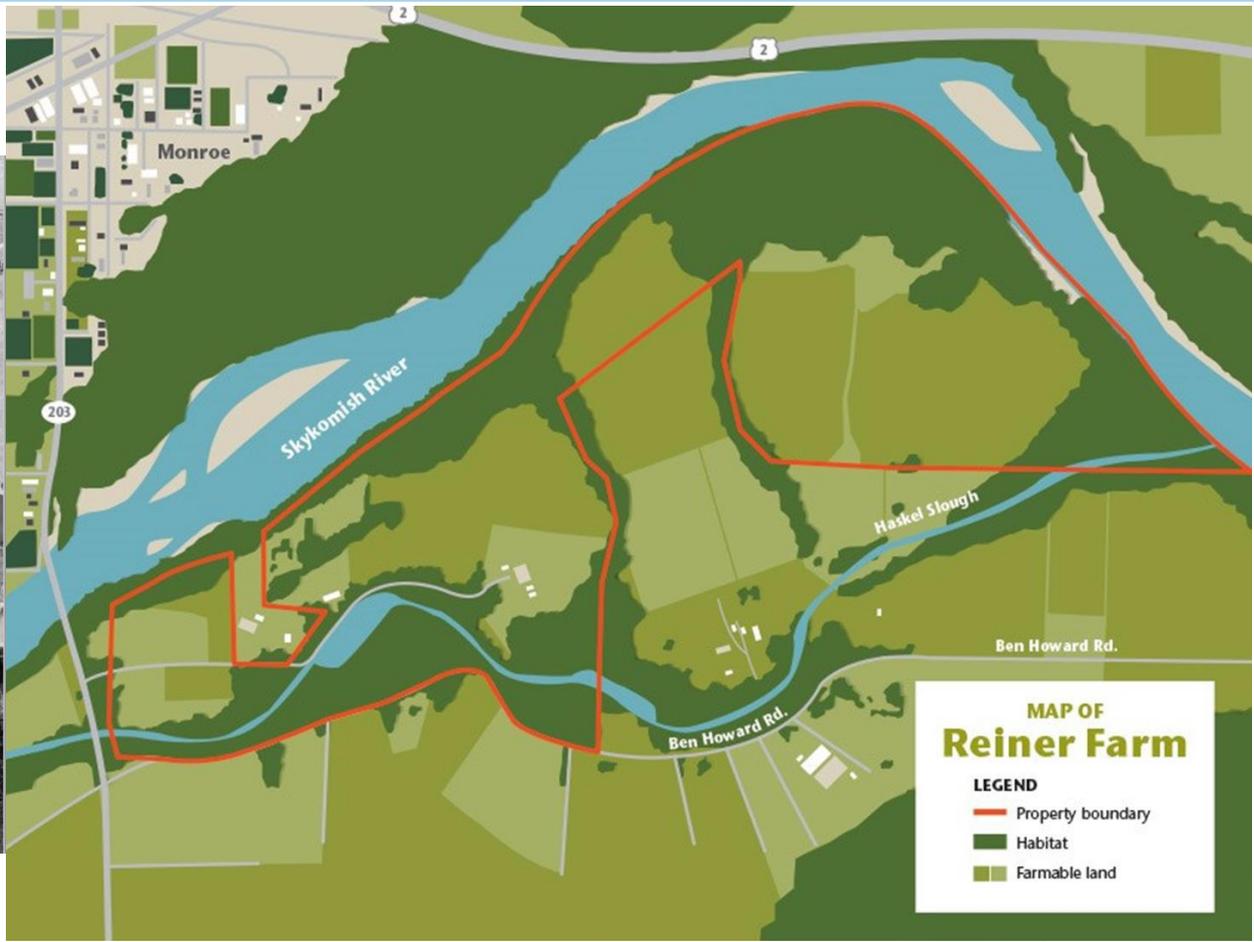
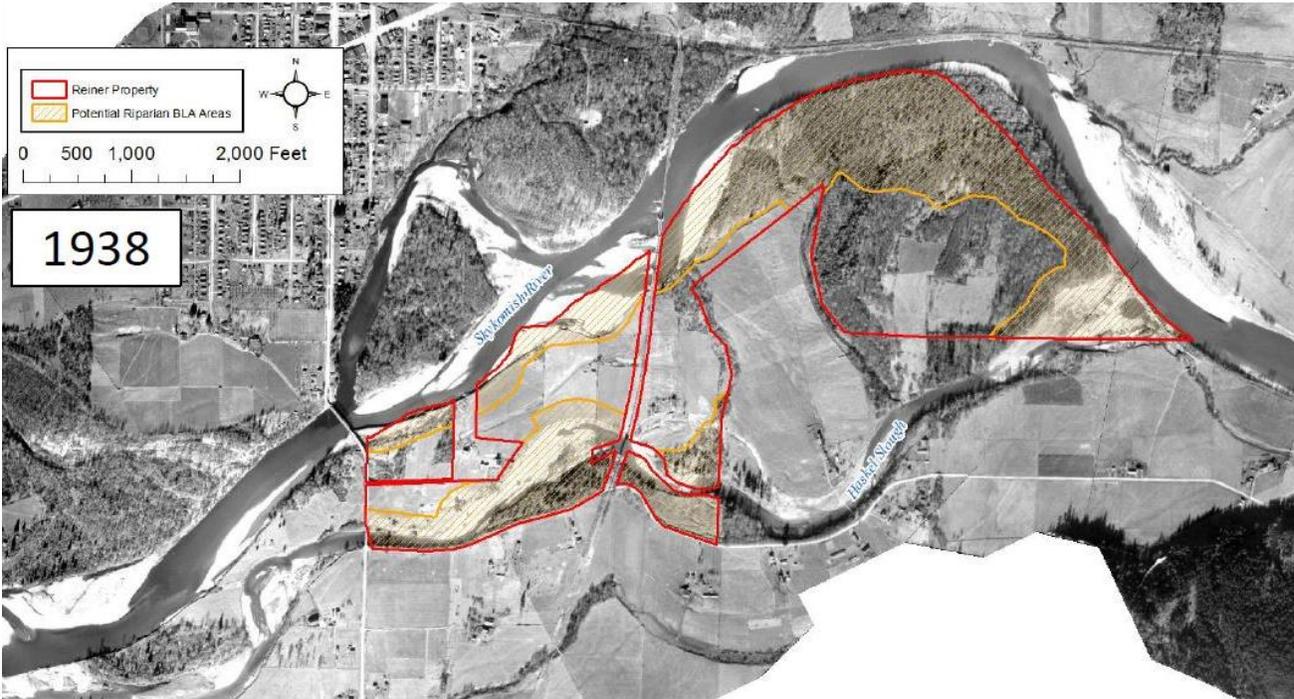


Fish & Habitat Benefits

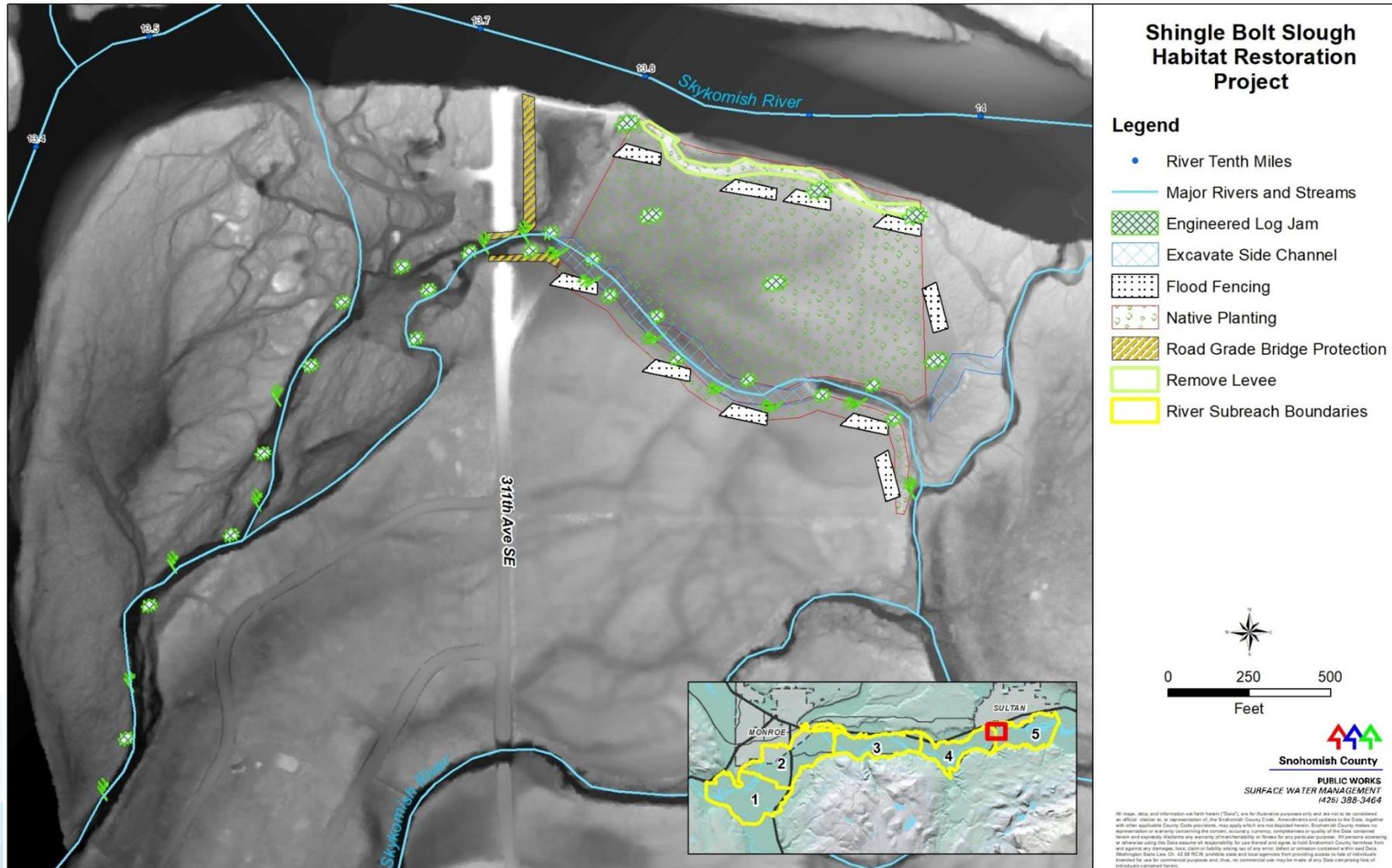
- Increased connectivity of 100-130 acres of priority off-channel habitat
- 4,100-5,000ft of side channel restoration and/or enhancement
- Restoration of 10 acres of riparian/wetland habitat
- 2 miles of improved access to fish habitat



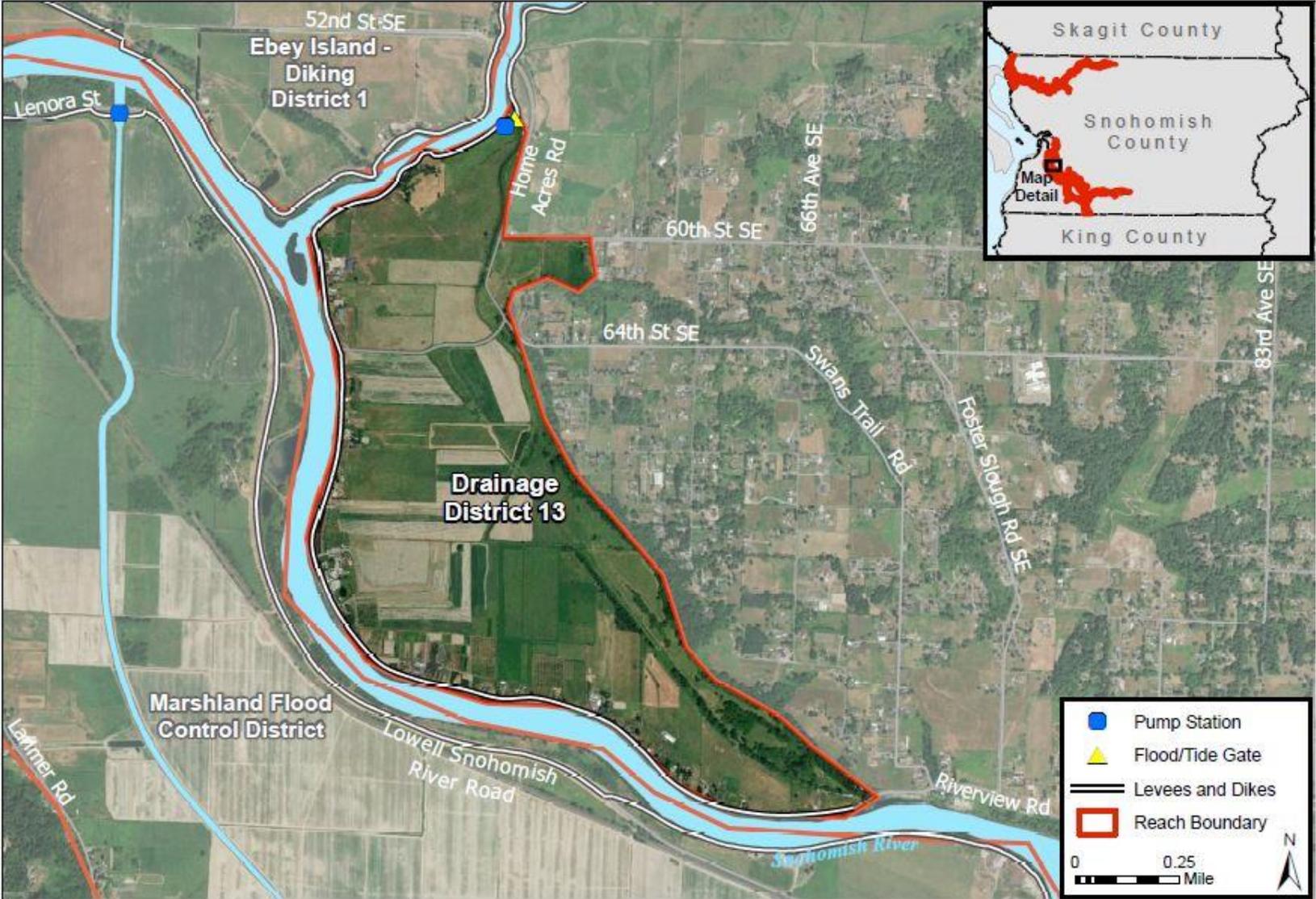
Haskel Slough Restoration



Shinglebolt Slough – Integrated Design Concept



Swans Trail Slough Restoration and Agricultural Resilience Project



Flood Risk – Potential Benefits

- 200-300 acres of floodplain protection
- 1000 to 3000 acre-feet of flood inundation reduction
- Over 100 acres of sediment conveyance through new side channels and gravel bars



Farm Benefits



- Permanent conservation of 200-300 acres of prime farmland
- Improved drainage to approximately 700 acres of farmland
- Additional benefits from implementation of agricultural resilience projects being designed under current FbD grant and CFS Program

Watershed Benefits

- 1** | **Enhanced integration and collaboration** in the Snohomish Integration Team, increasing the pace and magnitude of integrated benefits over time
- 2** | **Improved communications** and communications materials, increasing the engagement of community members and floodplain landowners
- 3** | **Added capacity** for implementation of the Agriculture Resilience Plan for Snohomish County, leveraging an investment in planning, outreach, and technical work

Budget

Project Type	Budget
Farm	\$3,814,430
Fish/Flood	\$4,000,000
Programmatic	\$800,000
Total	\$8,614,430

Sources of Funding

\$ Over \$2 million in potential **future match** funding has been identified

\$ **NEP** funding secured to match funding for Agriculture Resilience Plan Advancement Capacity

\$ **SRFB** funding for the Haskel Connectivity project is pending (application submitted)



Potential sources of match include:

- **FEMA**, **SRFB**, and **PSAR** for property acquisition
- **NEP** funding to match programmatic elements (such as the IT and communication/outreach)
- **NRCS** and **Washington State Conservation Commission** for construction of ag resilience projects
- **Snohomish County Conservation Futures**, **NRCS**, and **WWRP** for farmland conservation easements

Questions?

