

Snohomish Basin Salmon Recovery Forum Updates

June 4, 2020



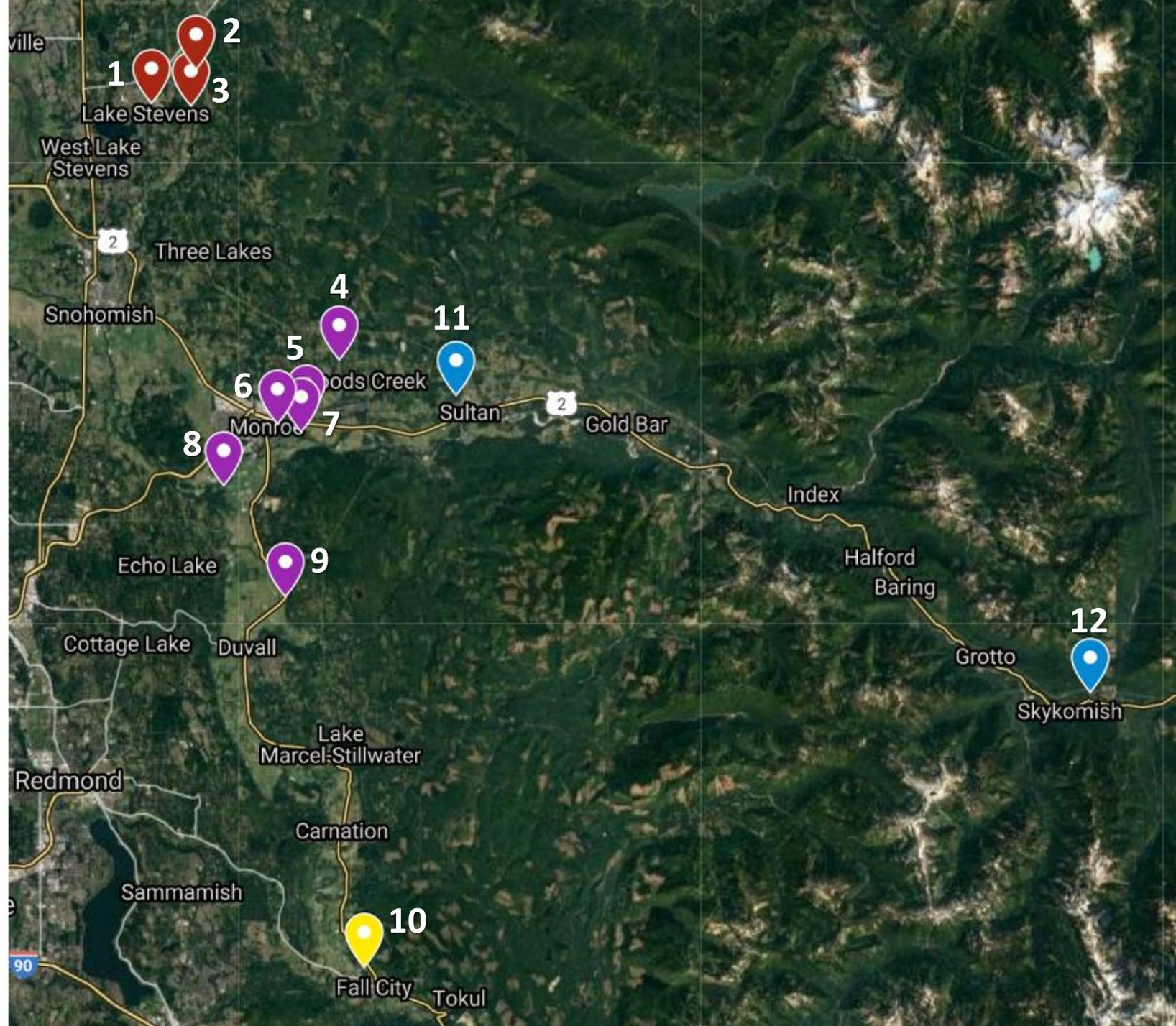
Grant Round Update



Number	Type	Project Sponsor	Project Name	REQUEST
PSAR LARGE CAP				
20-1078	R	King Co Water & Land Res	Fall City Floodplain Restoration	\$5,250,000
SRFB/PSAR REGULAR ROUND				
20-1135	P	Adopt A Stream Foundation	Woods Creek RR Bridge Removal & Restr'n Design II	\$88,540
20-1136	P	Sound Salmon Solutions	Catherine Creek LWD Preliminary Designs	\$139,040
20-1137	P	Sound Salmon Solutions	Woods Creek LWD Preliminary Designs	\$78,989
20-1139	A	Tulalip Tribes	Snohomish Floodplain Acquisitions Phase I	\$589,729
20-1140	P	Tulalip Tribes	Haskel Slough Connectivity	\$164,430
20-1209	A	City of Monroe	East Monroe Heritage Site	\$1,550,000
20-1265	PA	Tulalip Tribes	Snohomish Confluence Planning and Acquisition II	\$303,400
20-1280	R	Wild Fish Conservancy	Beckler Confluence Alluvial Fan Restoration	\$485,505
20-1281	R	Wild Fish Conservancy	Cherry Valley Initiative (Cherry Creek Ph II)	\$595,995
20-1284	R	Snohomish County Public Works	Middle Pilchuck Habitat Restoration @ Russell Rd	\$495,861
20-1306	P	Snohomish County PUD	Sultan River Floodplain Activation Design	\$200,000
			Regular round TOTAL	\$4,691,489

WRIA 7 SRFB 2020 Sites

- 1) Catherine Creek LWD Final Design #20-1136 (2410 Hartford Dr., Lake Stevens, WA, 98258)
- 2) Snohomish Floodplain Acquisitions Ph I #20-1139 (4427 Schwartzmiller Rd., Lake Stevens, WA 98258)
- 3) Middle Pilchuck Habitat Restoration Project #20-1284 (2327 Russell Rd, Snohomish, WA 98290)
- 4) Woods Creek LWD Final Design #20-1137 (12003 Woods Creek Rd., Monroe, WA 98272)
- 5) East Monroe Heritage Site #20-1209 (21611 US-2, Monroe, WA 98272)
- 6) Woods Creek RR Bridge Removal & Restoration Ph II #20-1135 (544 Simons Rd, Monroe, WA 98272)
- 7) Haskel Slough Connectivity #20-1140 (21410 US-2, Monroe, WA 98272)
- 8) Snohomish Confluence Planning & Acquisition II #20-1265 (17022 Frohning Rd, Monroe, WA 98272, USA)
- 9) Cherry Valley Initiative #20-1281 (18028 288th Ave NE, Duvall, WA 98019)
- 10) Fall City Floodplain Restoration #20-1078 (2655 Neal Rd SE, Fall City, WA 98024)
- 11) Sultan River Floodplain Activation #20-1306 (814 1st Street, Sultan, WA 98294)
- 12) Beckler Confluence Alluvial Fan Restoration #20-1280 (Beckler Rd, Skykomish, WA 98288, USA)



Grant Round Update



- \$2,944,599 to allocate*
 - \$530,356 – PSAR Basin returned funds
 - \$511,397 SRFB*
 - \$1,902,846 PSAR*
- Site Visits - Mar 17 and 18
- Projects reviewed by state technical reviewers – Apr. 3
 - 1 POC, 9 NMI, 2 Cleared
- Local technical ranking – May - *not complete*
- Forum approves ranked list – today - *reschedule to Aug. 6th*
- Final applications due – June 29th
- Final state technical review – July 29
- **Forum decision – Aug 6th**
- Final ranked lists due – Aug. 14

Floodplains by Design

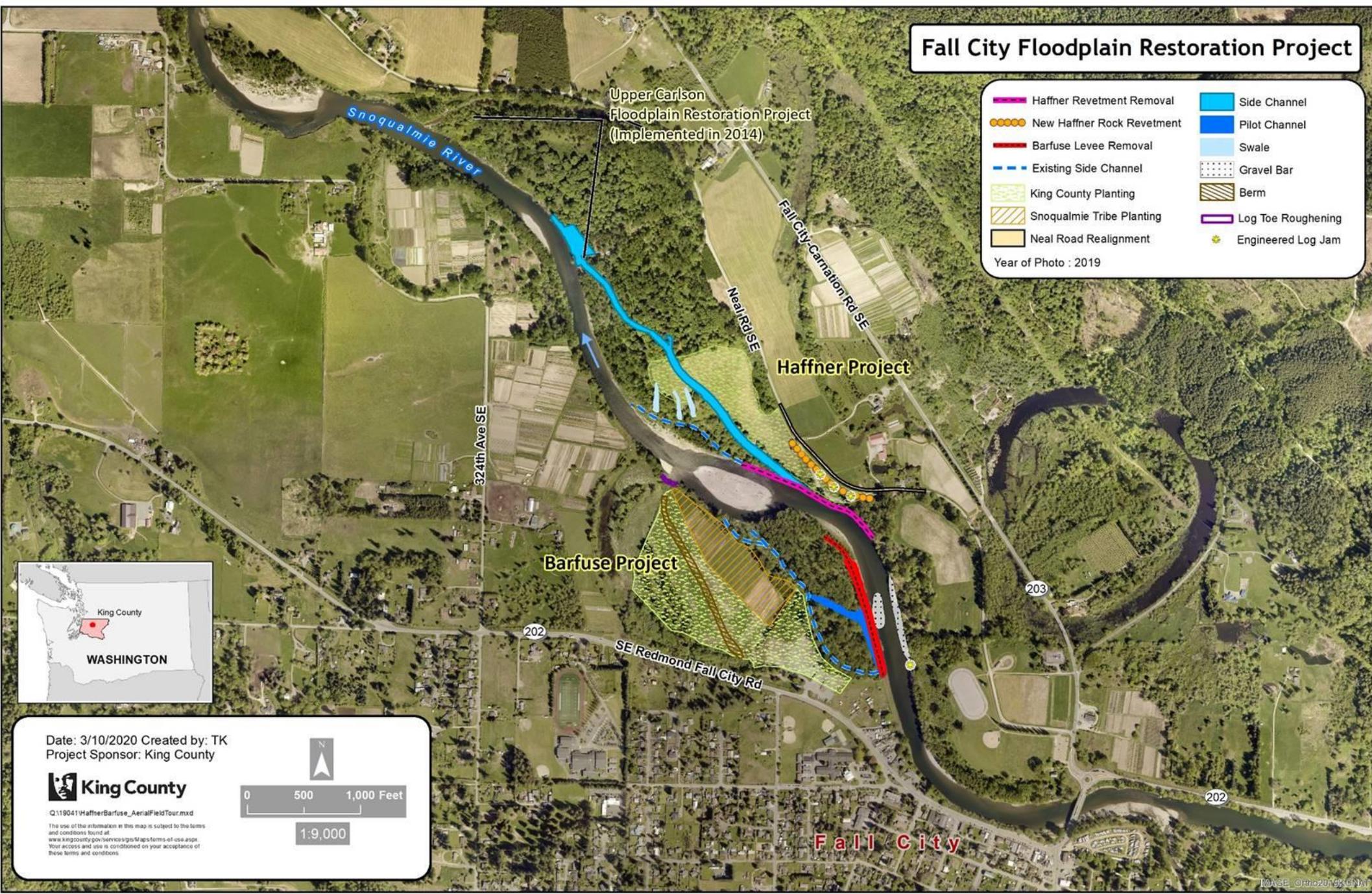


- Multi-benefit funding program
- Requires LE Letter of Support
- 4 Projects from the basin submitted
 - 3 of the projects are also seeking SRFB/PSAR funds
- Final Applications due July 31

Fall City Floodplain Restoration Project

	Haffner Revetment Removal		Side Channel
	New Haffner Rock Revetment		Pilot Channel
	Barfuse Levee Removal		Swale
	Existing Side Channel		Gravel Bar
	King County Planting		Berm
	Snoqualmie Tribe Planting		Log Toe Roughening
	Neal Road Realignment		Engineered Log Jam

Year of Photo : 2019

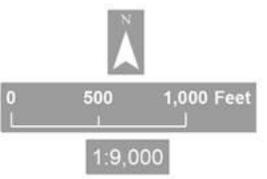


Date: 3/10/2020 Created by: TK
 Project Sponsor: King County



Q:\19041\HaffnerBarfuse_AerialFieldTour.mxd

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Fall City Floodplain Restoration Project

Key outcomes:

- Project encompasses both the left and right bank of the Snoqualmie River in a key reach for Chinook spawning, just downstream of the Raging River.
- Removal and modification of 2,600 ft of levees and revetments will reconnect 145 acres of historic floodplain.
- Creation and/or reconnection of 0.85 miles of side channel.
- Incorporation of over 600 pieces of wood into the mainstem, side channels and floodplain through construction of ELJs, floodplain roughening and salvage.
- Project includes realignment of Neal Rd and the construction of new flood facility that includes 3 ELJs.
- The FbD grant also includes an agricultural drainage component which is very symbolic for the Snoqualmie Fish, Farm & Flood agreement.

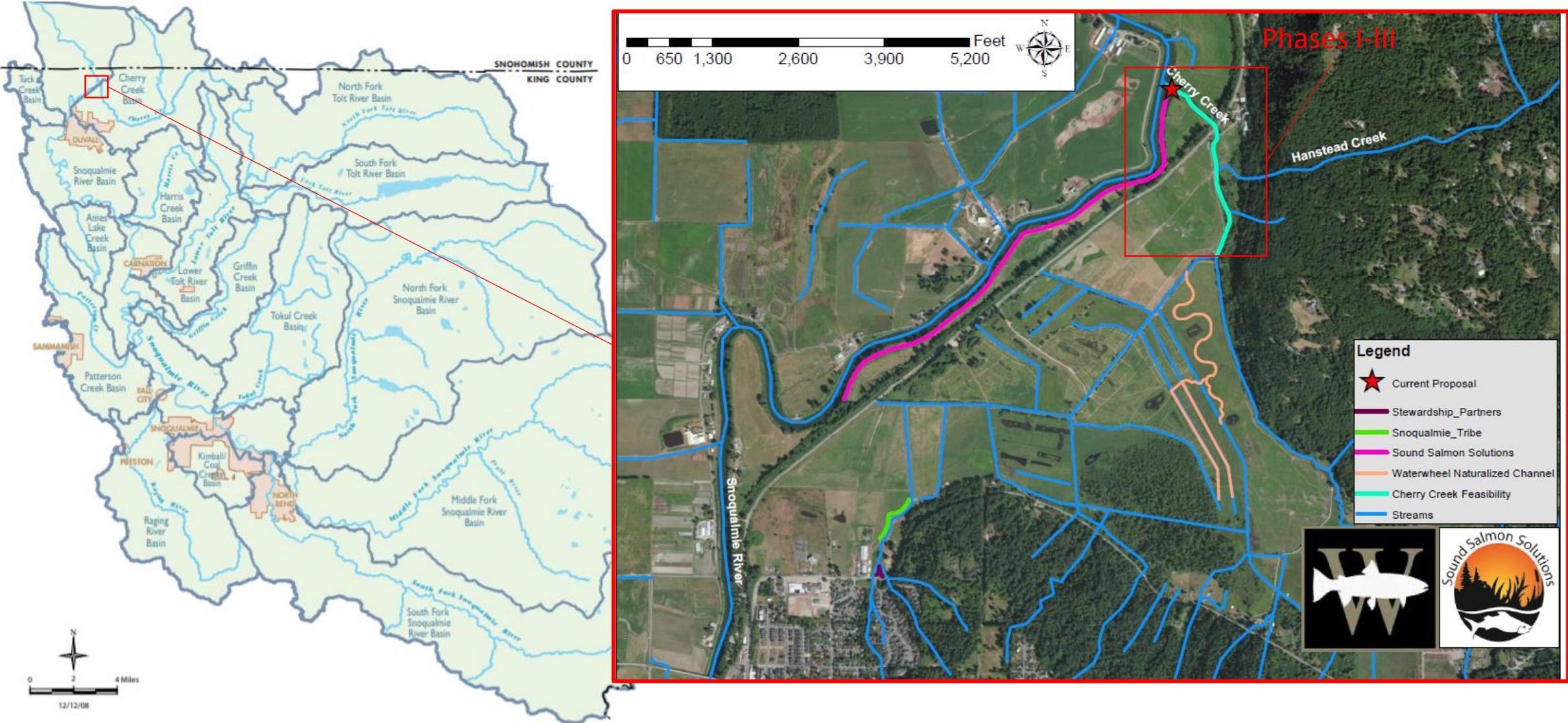
Request:

Estimated cost of construction: \$15,250,000, (\$5,250,000 from PSAR Large Cap and \$10,000,000 from FbD)

Total cost including design is estimated at just over \$18,000,000.

Cherry Valley Initiative

Cherry Creek holds among the highest potential to support Chinook-recovery among the lowland tributaries of the Snohomish Basin.



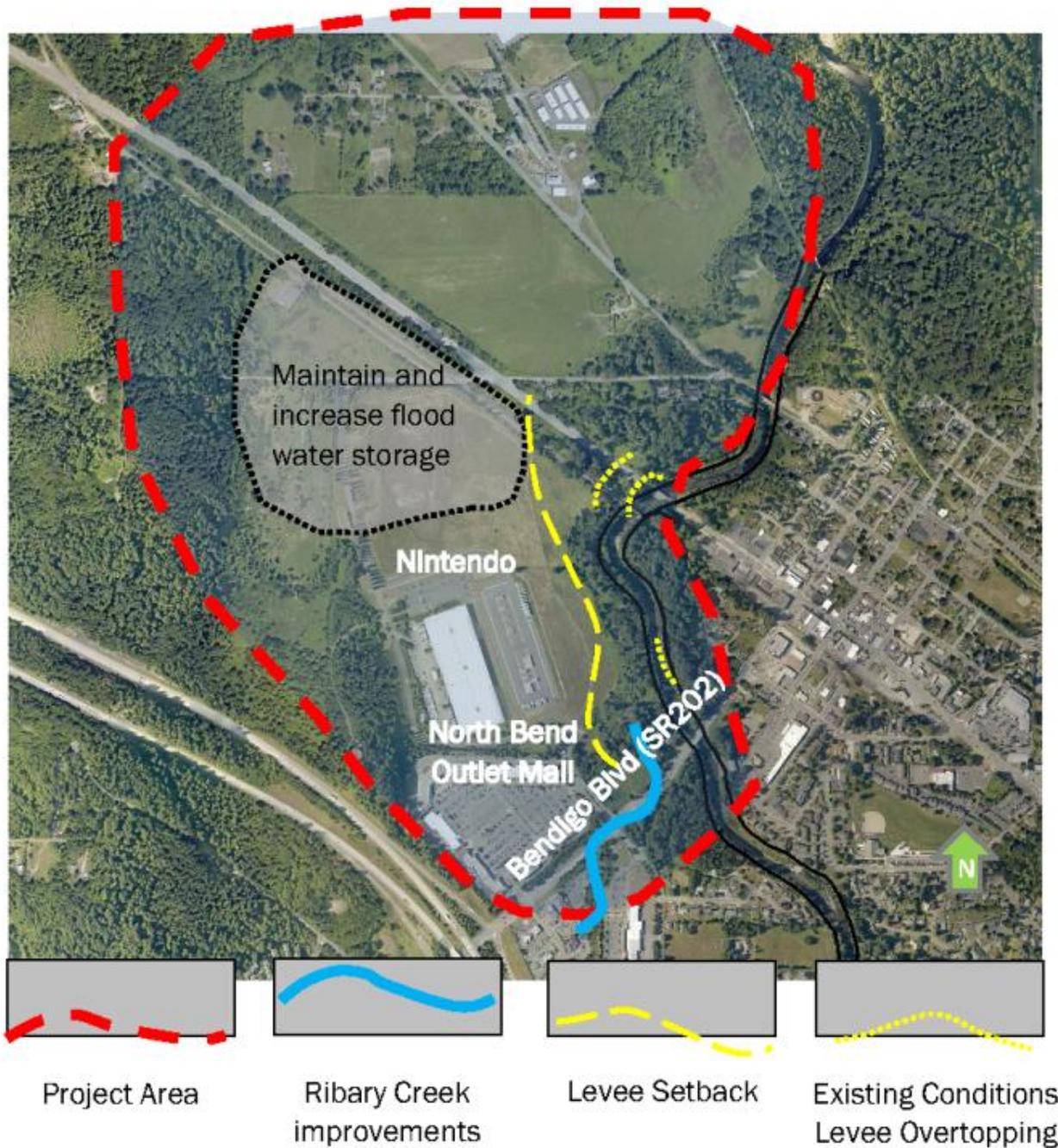
Cherry Valley Initiative

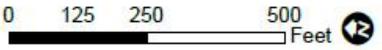
Key outcomes:

This project is part of a multi-phased ecological restoration, agricultural infrastructure improvement, and flood reduction initiative. Project partners have been working for over two decades to advance the interests of stakeholders in Cherry Valley. The project will include:

- Construction of Phase II of the Cherry Creek Restoration Project, located near the confluence of Cherry Creek and the Snoqualmie River.
- Levee improvements and reinforcement along DD7's main Cherry Valley levee.
- The replacement of undersized culverts with new bridges and roadway on 300th Ave NE, a site on the east end of the valley with chronic flooding issues affecting farms, businesses, and residents.
- Coordination and funding with the team exploring capital project solutions to the Cherry Creek Avulsion site.
- Ongoing coordination with stakeholders to develop and evaluate options for a future levee-setback project in the WDFW wildlife unit. The project will reduce flood risk, and improve conditions for farming by modernizing an agricultural pump drainage system.

South Fork Snoqualmie River Levee Setback





Service Layer Credits: Pictometry, King County

- Ecosystem Functions Improved
- Restored Reconnected Floodplain Area
- Protected Floodplain Area

SOUTH FORK SNOQUALMIE RIVER
LEVEE SETBACK

NORTH BEND, WA

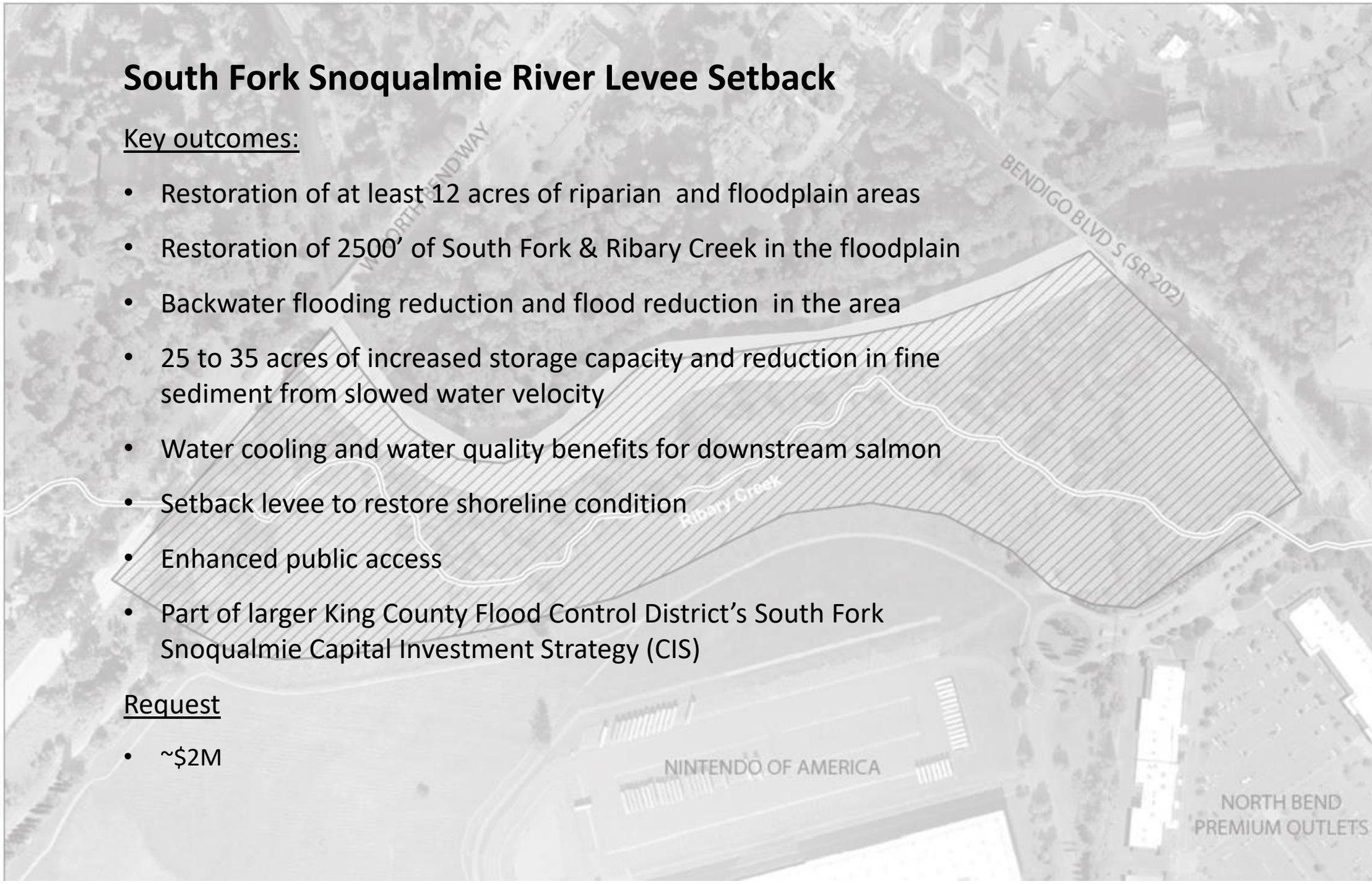
South Fork Snoqualmie River Levee Setback

Key outcomes:

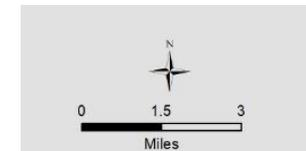
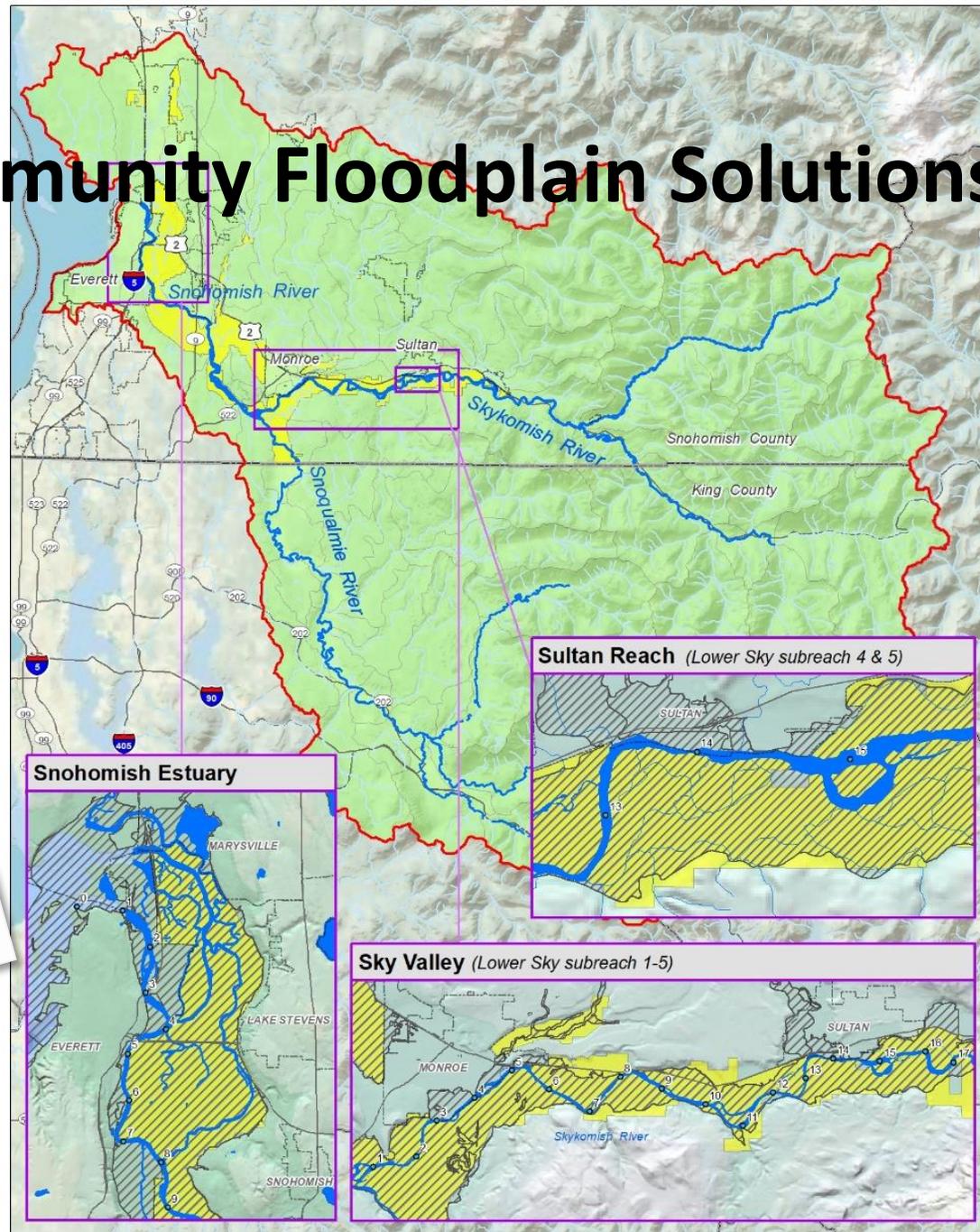
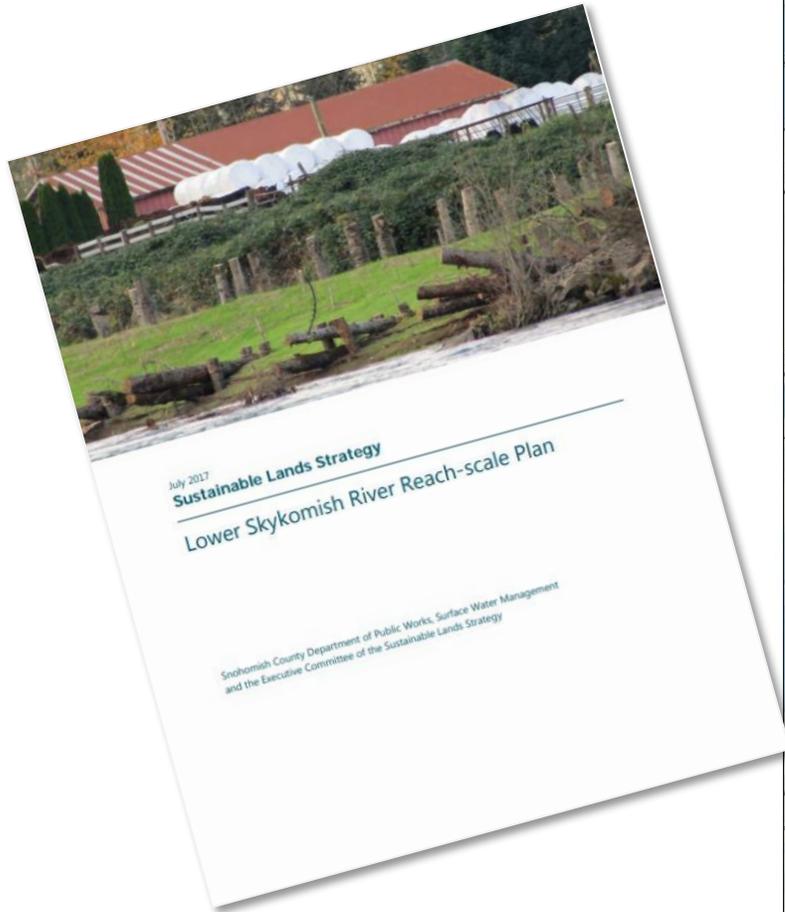
- Restoration of at least 12 acres of riparian and floodplain areas
- Restoration of 2500' of South Fork & Ribary Creek in the floodplain
- Backwater flooding reduction and flood reduction in the area
- 25 to 35 acres of increased storage capacity and reduction in fine sediment from slowed water velocity
- Water cooling and water quality benefits for downstream salmon
- Setback levee to restore shoreline condition
- Enhanced public access
- Part of larger King County Flood Control District's South Fork Snoqualmie Capital Investment Strategy (CIS)

Request

- ~\$2M



Snohomish Community Floodplain Solutions



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



Snohomish Community Floodplain Solutions

Key outcomes:

- Advance capital projects and actions funded by the current Floodplains by Design grant
- Promote multi-benefit opportunities through property acquisition and agricultural conservation easements
- Develop an integrated project pipeline in the Snohomish and Skykomish Rivers
- Develop conceptual design and conduct outreach for a large-scale integrated projects in the Lower Skykomish

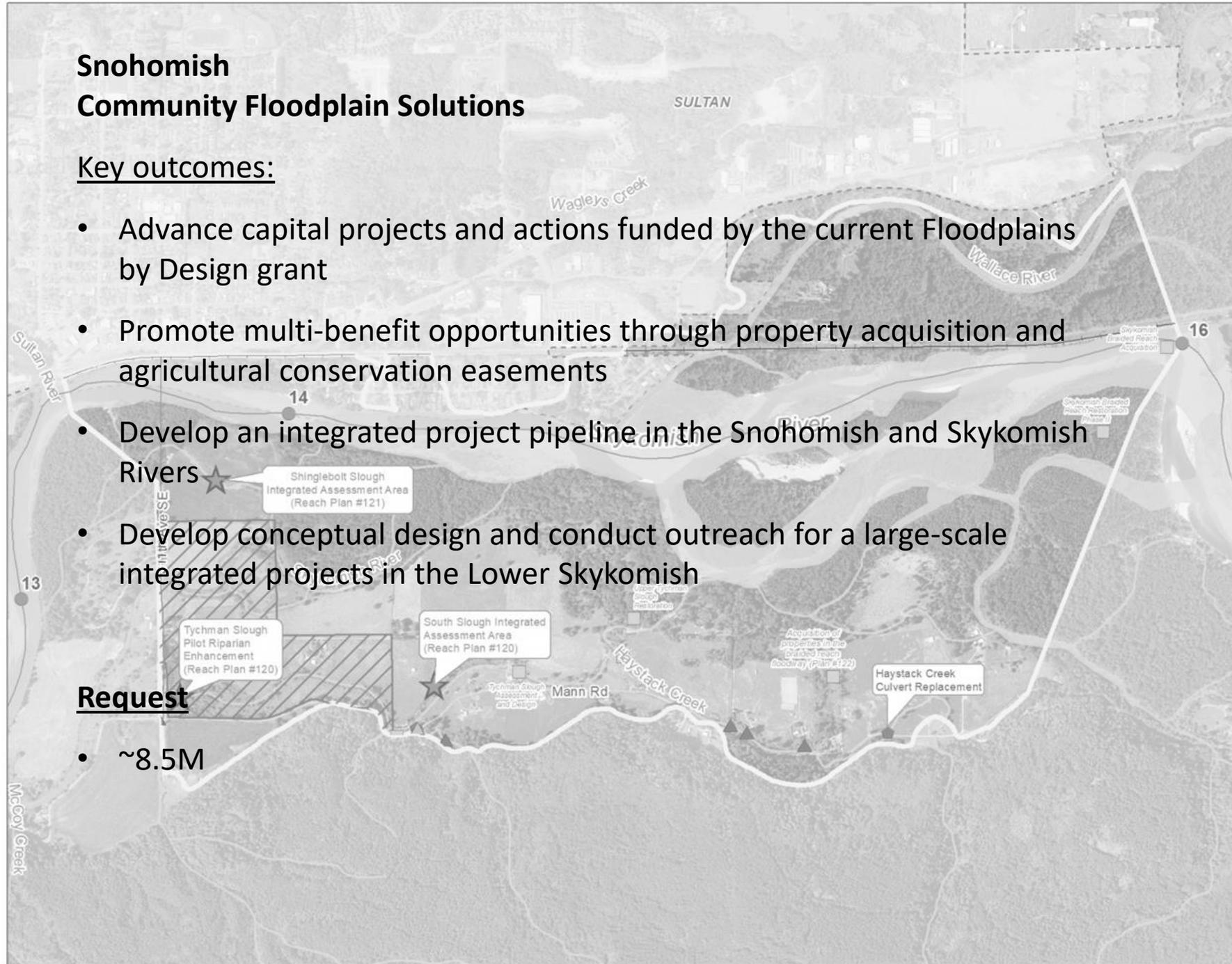
Request

- ~8.5M

Lower Skykomish Subreach 5 Project Concepts

Legend

- ★ Proposed Project Concept
- Other Reach Plan Project Concept
- ▲ Total Fish Barrier
- ▲ Partial Fish Barrier
- ◆ Unknown Fish Barrier
- ▨ Repetitive Loss Area
- River Mile
- River/ Stream
- Railroads
- Major Roads
- Interstates & Highways
- ▭ River Subreach Boundaries
- ⋯ Cities



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Update to the Salmon Recovery Plan

Late 2019 –
Early 2020

- Collect and synthesize new information
- Develop the framework for plan update

Early 2020
– Early
2021

- Complete new analyses
- Further develop/vet new content

Early to Mid
2021

- Develop draft for review
- Identify future work

Mid 2021 –
Late 2021

- Adoption



**2018-2022 ACTION AGENDA
AFTER ACTION REVIEW**

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 **PUGET SOUND**
PARTNERSHIP

APRIL 2020 | 2

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<https://vitalsigns.pugetsoundinfo.wa.gov/>

NTA funding – 2020 SIL Funding Recommendations to EPA

HABITAT

- 2018-0097; **Sustainable Lands Strategy Communication and Outreach;** WDFW; Fund in full (\$175,000)
- 2018-0873; **Monitoring effectiveness of multi-benefit floodplain project implementation in Snohomish and Stillaguamish Rivers;** Snohomish Conservation District; Fund in full (\$300,000)
- 2018-0613; **Developing tools for multi-benefit project selection and sequencing in the Snohomish River Basin;** Tulalip Tribes; As funds allow (\$246,000)
- 2018-0810; **Stream and Lakeside Landowner Education and Assistance Program;** Snohomish County; partial funding as funds allow (\$171,000)

NTA funding – 2019 SIL Funding Recommendations to EPA

HABITAT

- 2018-0599; **Farm Plans and CAO Regulatory Flexibility Assessment;** King County; Fund in full (\$150,000)
- 2018-0667; **Shoreline Armoring Monitoring and Characterization of Chinook;** Snohomish County; Fund in full (\$200,000)
- 2018-0964; **Regulatory Harmonization for Salmon;** Tulalip Tribes; Fund partially (\$353,000)

NTA Funding

2018 SIL Funding Recommendations to EPA

HABITAT

- **2018-0613; Developing tools for multi-benefit project selection and sequencing in the Snohomish River Basin; Tulalip Tribes; (\$150,000)**
- **2018-0623; Geomorphic Flood Hazard Risk on the Lower Skykomish River; Snohomish County; (\$200,000)**
- **2018-0715; Integrating climate resilience into farm-fish-flood project packages in the Snohomish and Stillaguamish River floodplains; Snohomish Conservation District; (\$250,000)**