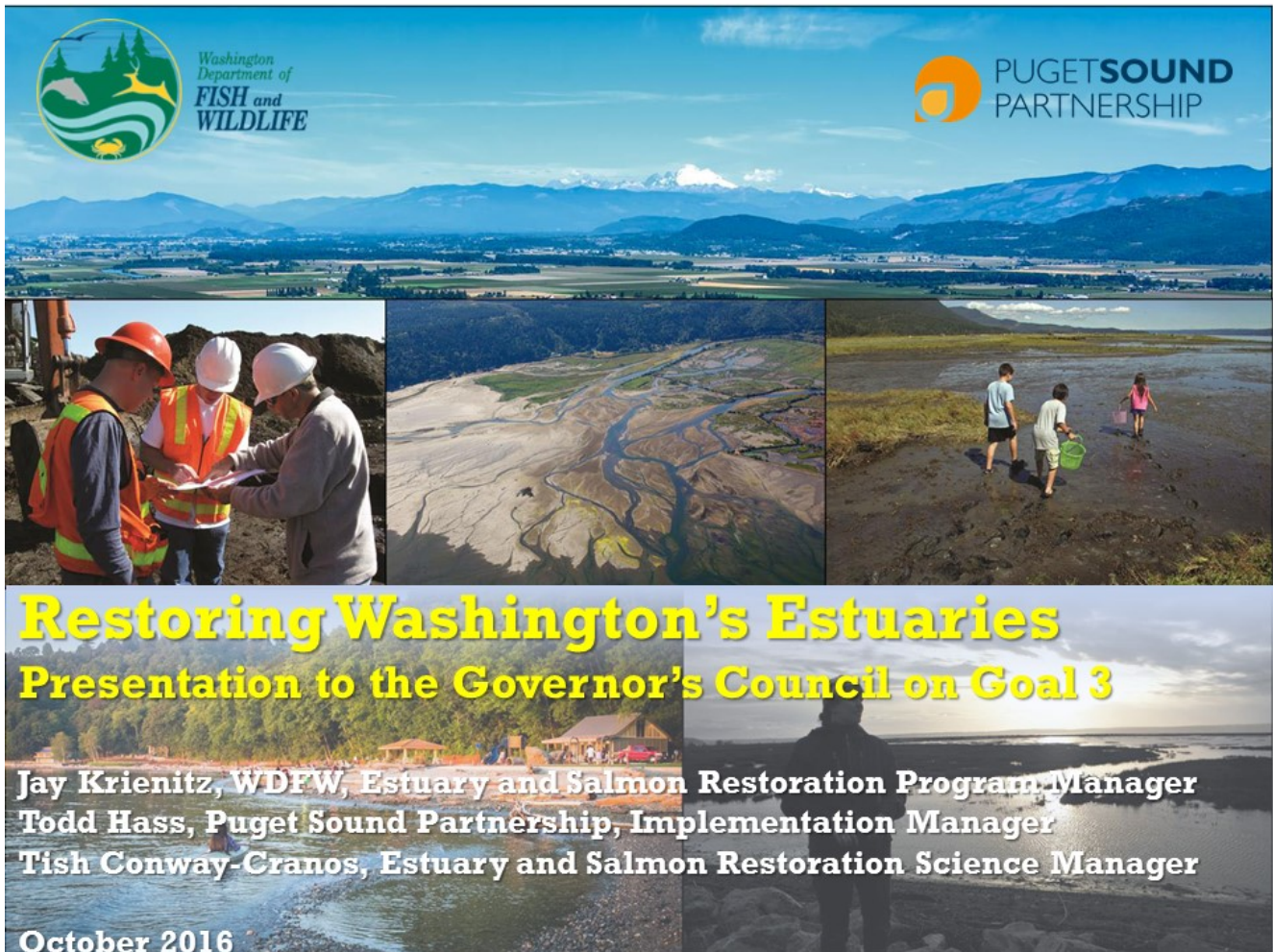


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4.4.d: Supplemental - Increase the acreage of Puget Sound estuaries restored in the 16 major rivers from 2,260 acres between 2006 and 2012 to 5,028 acres by 2016



Washington Department of FISH and WILDLIFE

PUGET SOUND PARTNERSHIP

Restoring Washington's Estuaries Presentation to the Governor's Council on Goal 3

Jay Krienitz, WDFW, Estuary and Salmon Restoration Program Manager
Todd Hass, Puget Sound Partnership, Implementation Manager
Tish Conway-Cranos, Estuary and Salmon Restoration Science Manager

October 2016

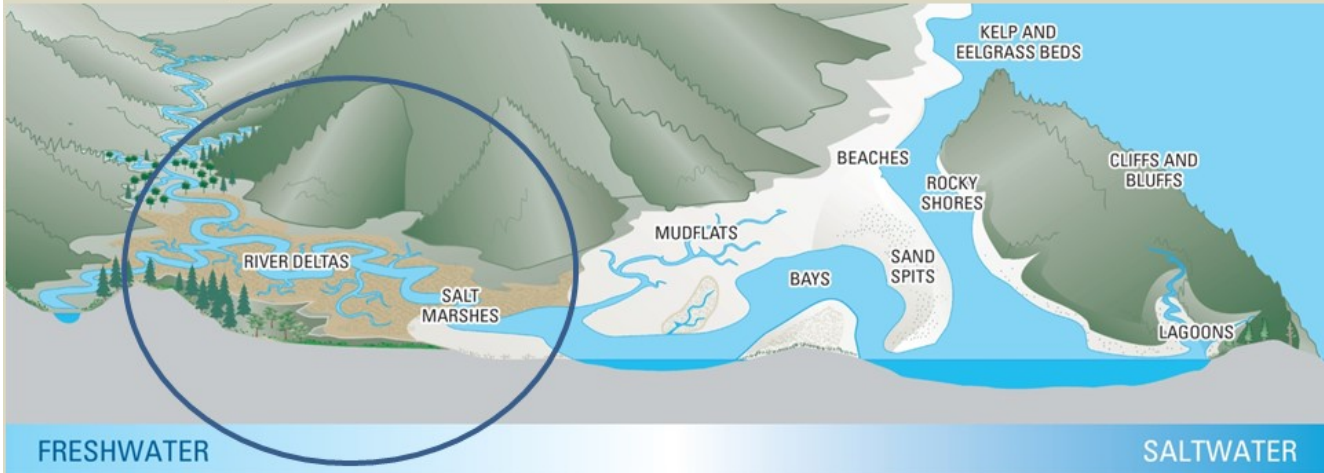
Why Prioritize Estuary Restoration?

Endangered salmon – irreplaceable habitat

Migratory birds - feeding and resting

Biodiversity – unique fish and wildlife habitats and sustains the Puget Sound web of life

Rare opportunity for large-scale restoration with multiple benefits



Why Value Estuaries & Restoration?

Restoring estuaries is a key part to recovering ESA-listed salmon and the health of Puget Sound.

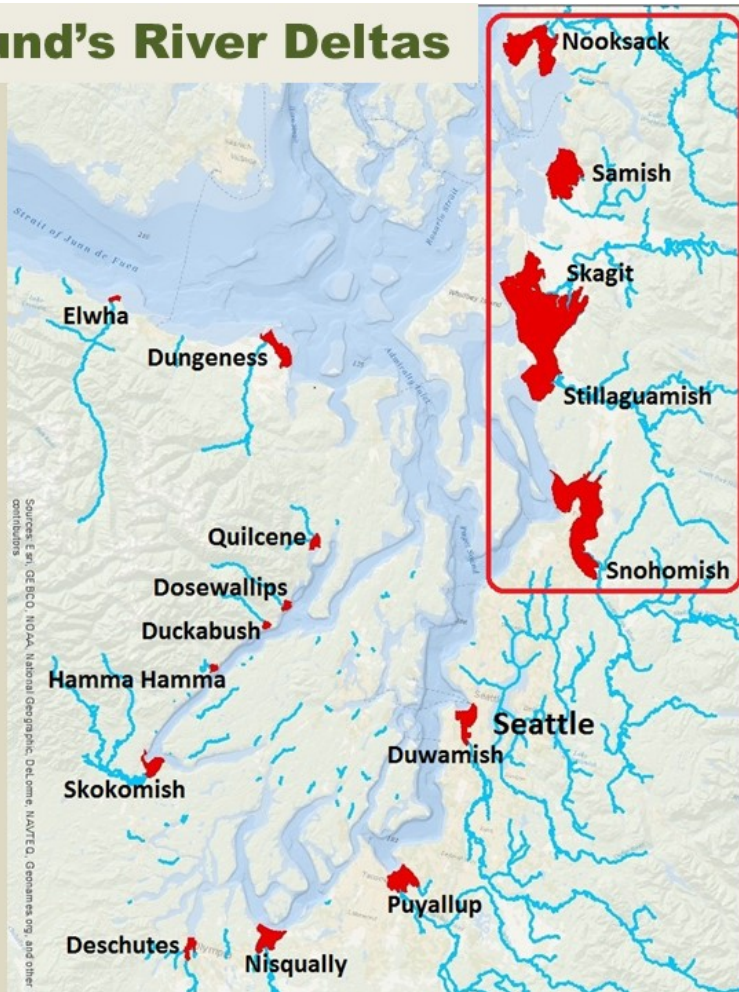
Recreational and commercial fishing bring in over \$2.7 billion dollars annually (Data from USFWS, NOAA, AFWA, American Sportfishers Association)

An average of 17 local jobs are created per \$1 million invested in restoration programs like ESRP (OFM, 2014)

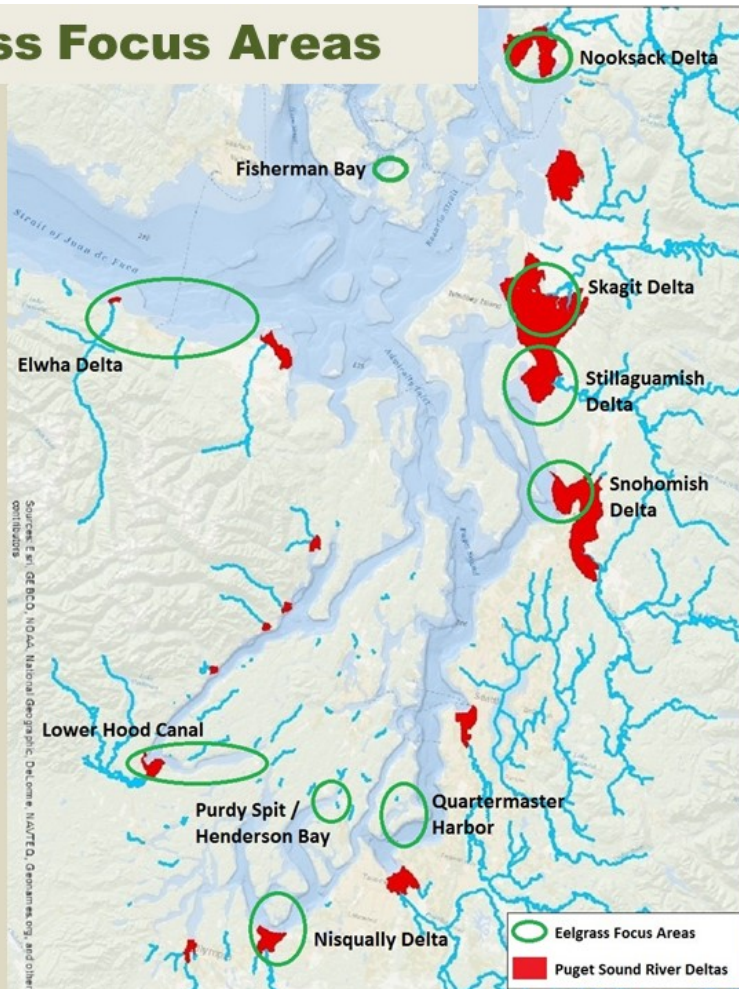


*ESRP = Estuary and Salmon Restoration Program; PSAR = Puget Sound Acquisition and Restoration

Puget Sound's River Deltas



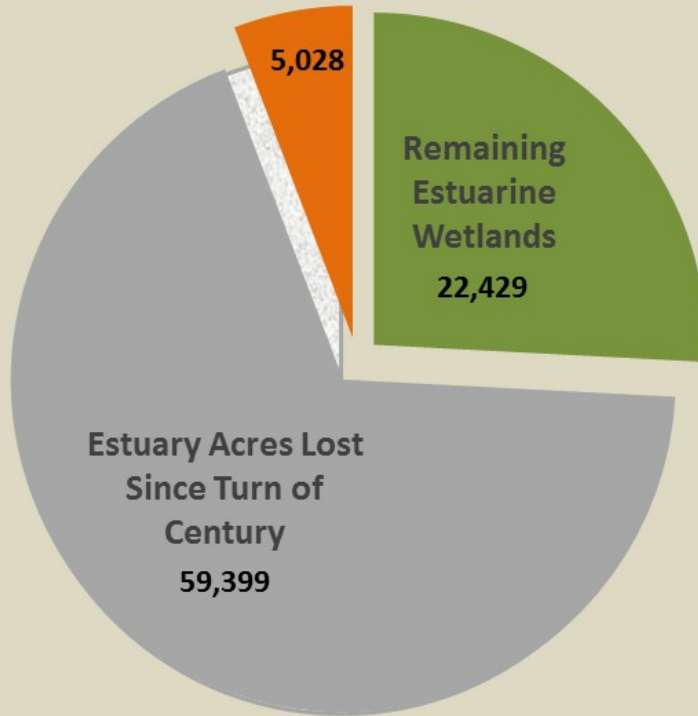
Eelgrass Focus Areas



Restoration Targets

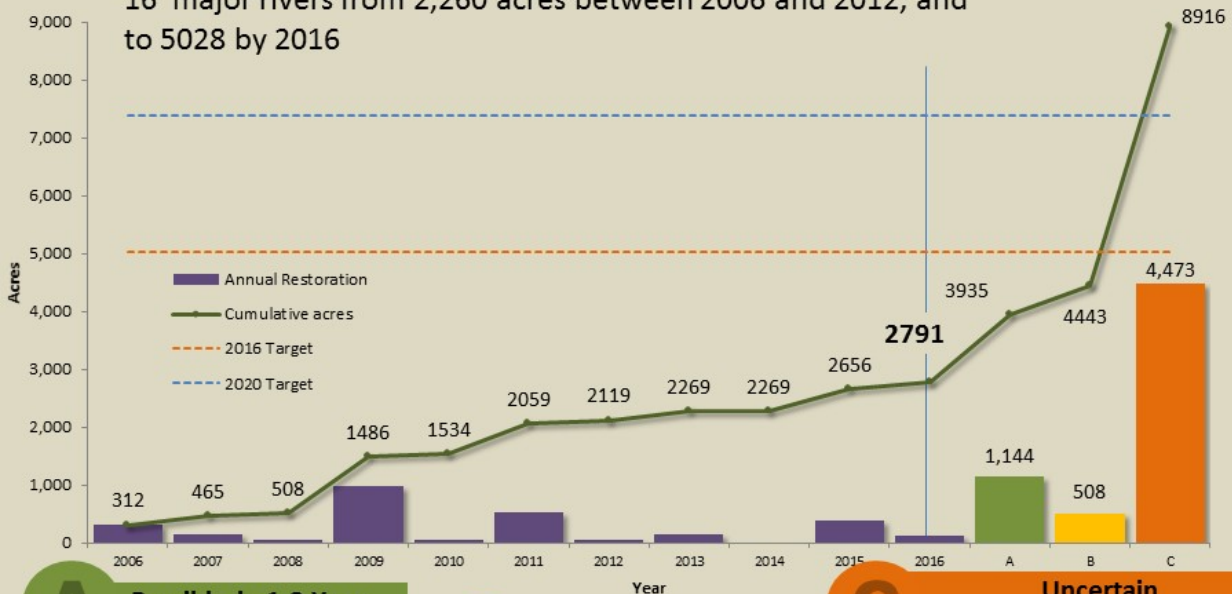
75% of Puget Sound estuaries have been lost through construction of dikes, levees, and ports.

(4.3.f) "Increase the acreage of Puget Sound estuaries restored in the 16 major rivers from 2,260 acres between 2006 and 2012 to 5,028 by 2016"



Estuary Restoration Target Tracking and Reporting

(4.4.f) "Increase the acreage of Puget Sound estuaries restored in the 16 major rivers from 2,260 acres between 2006 and 2012; and to 5028 by 2016"



A Possible in 1-3 Years

- 3 Crabs
- Blue Heron Slough
- Everett Riverfront
- Leque Island
- Smith Island
- Steamboat Slough
- Zis a ba

B Possible in 4-8 Years

- Deepwater Slough Phase 2
- Diking District 6
- Quilceda Marsh

C Uncertain

- Duckabush
- Everett Marshlands
- Lower Nooksack River
- North Fork Levee Setback
- Puyallup River (Union Pacific) Setback Levee
- Telegraph Slough Ph 1 & 2
- Thein Farm
- WDFW South Ebey Island Restoration



Puget Sound Nearshore Ecosystem Restoration Project (PSNERP)

1. Complete Feasibility: **DONE!**
2. Signed Corps Report: **DONE!**
3. WRDA Authorization: 2016...
4. WRDA Funding: 2017?

Tier 1 projects

▶ Nooksack River Delta	1807 acres	\$262M
▶ North Fork Skagit River Delta	256 acres	\$99.3M
▶ Duckabush River Delta	38 acres	\$90.5M

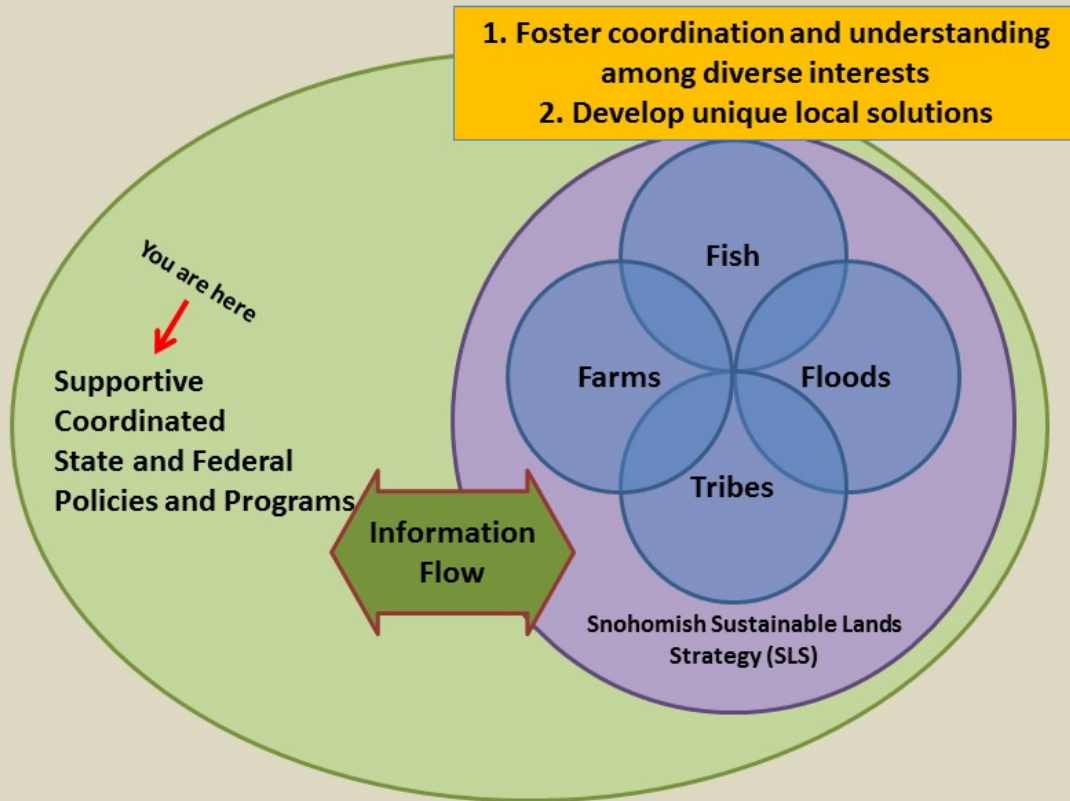
Total acres: 2101 acres
Total cost: \$452M
Construction Timeline: 2020-2025+

Complex Challenges

Locals tell us there are six
ingredients for success



Innovating for the Future



Advancing the Estuary Target

- 1. Scope Results Washington “Improvement Project”**
 - 3 scoping meetings with key RW represented agency staff (ECY, PSP, AG, DNR, SCC, RCO, DOH) and Snohomish County through Sustainable Lands Strategy(SLS).
- 2. Refine Estuary Target for Puget Sound 2020**
 - Update project list for 2020 feasibility vs. P.S. Vital Sign needs: identify project areas, barriers and opportunities, common themes.
- 3. Consider opportunities for advancing estuary restoration based on above projects.**
 - Report back in 3-4 months

Core Value

Build understanding and trust among multiple interests.

Farmers
Scientists
Tribes
Communities



THANK YOU!

Jay Krienitz –ESRP Program Manager
Tish Conway-Cranos –ESRP Science Manager
Todd Hass – PSP Implementation Manager



ESTUARY & SALMON
RESTORATION PROGRAM

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