

Duckabush Estuary Restoration Design Update

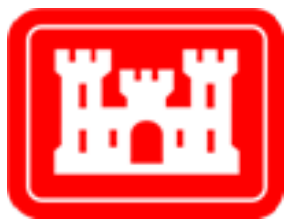
WDFW Fish & Wildlife Commission – October 28, 2022

Margen Carlson, Habitat Program Director
Theresa Mitchell, Environmental Planner



Puget Sound Nearshore Ecosystem Restoration Project (PSNERP)

PUGET SOUND
NEARSHORE
ECOSYSTEM RESTORATION PROJECT



Partnership w/
USACE since 1999

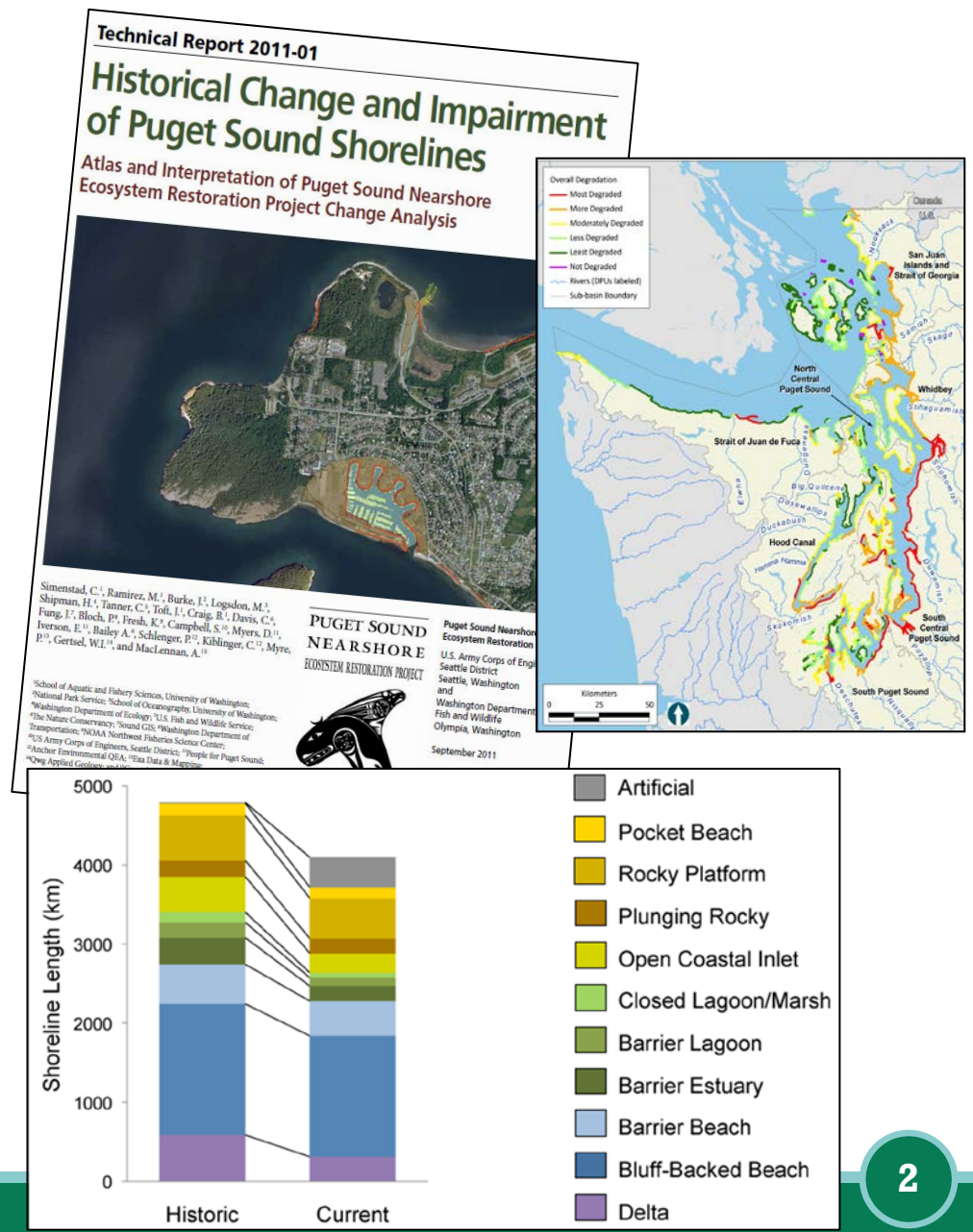
Direct new Federal dollars
to Puget Sound recovery

Identify problems
AND opportunities
along shorelines

Puget Sound's shoreline is
straighter, simpler, and
more artificial

Restore habitat-
forming processes

2016 Congressional
Authorization to cost-share
restoration actions (\$452M)





Locations of Federal (USACE) investment opportunity for nearshore aquatic ecosystem restoration

Duckabush Estuary Restoration

A federal - state **partnership** to **share** costs of estuary restoration in an area of **national significance**.

Opportunity to address estuary impairment that:

- disconnects river channels
- alters water and sediment movement
- inhibits natural habitat development

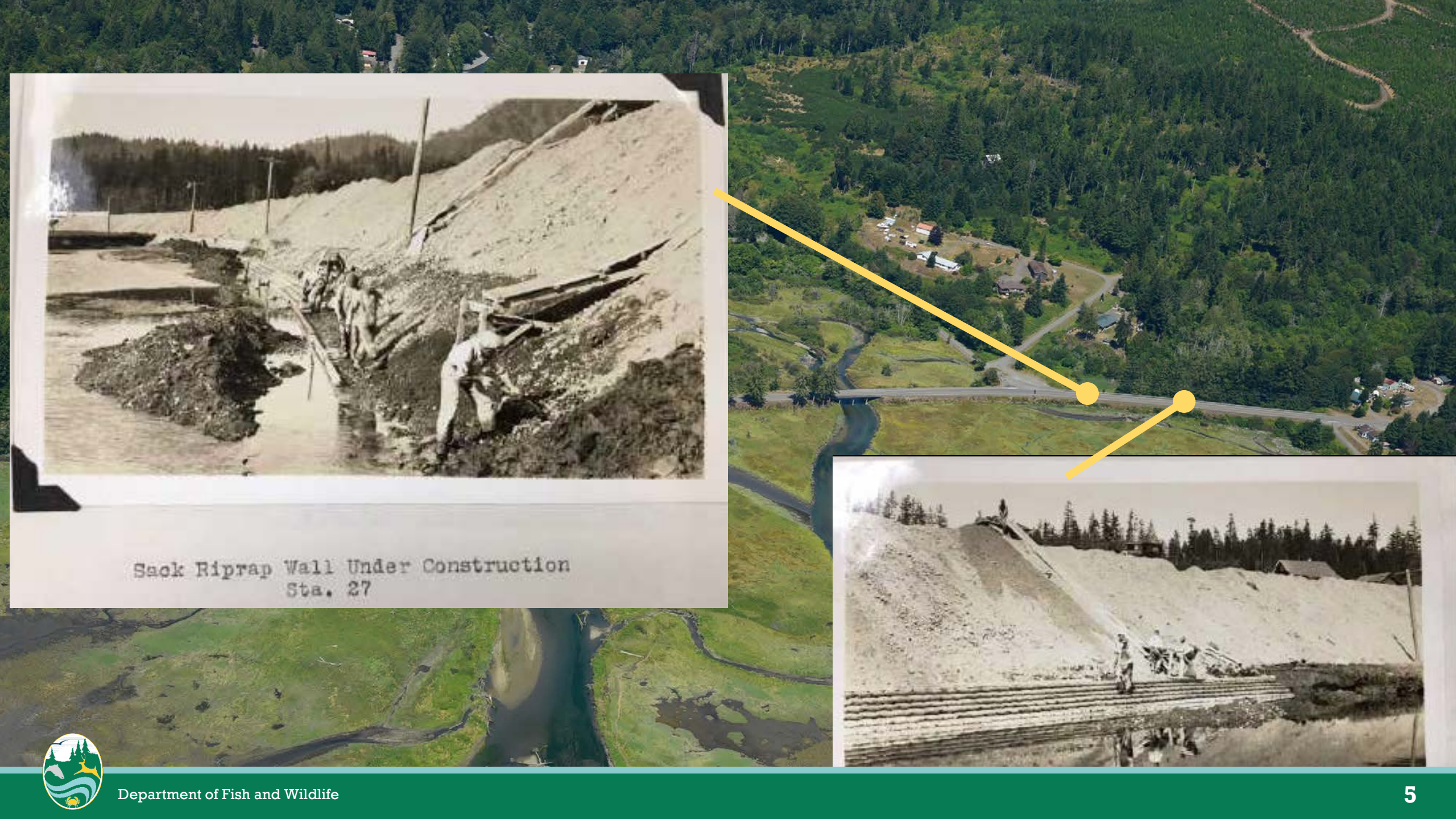


US Army Corps
of Engineers
Seattle District



Washington
Department of
FISH and
WILDLIFE





Sack Riprap Wall Under Construction
Sta. 27

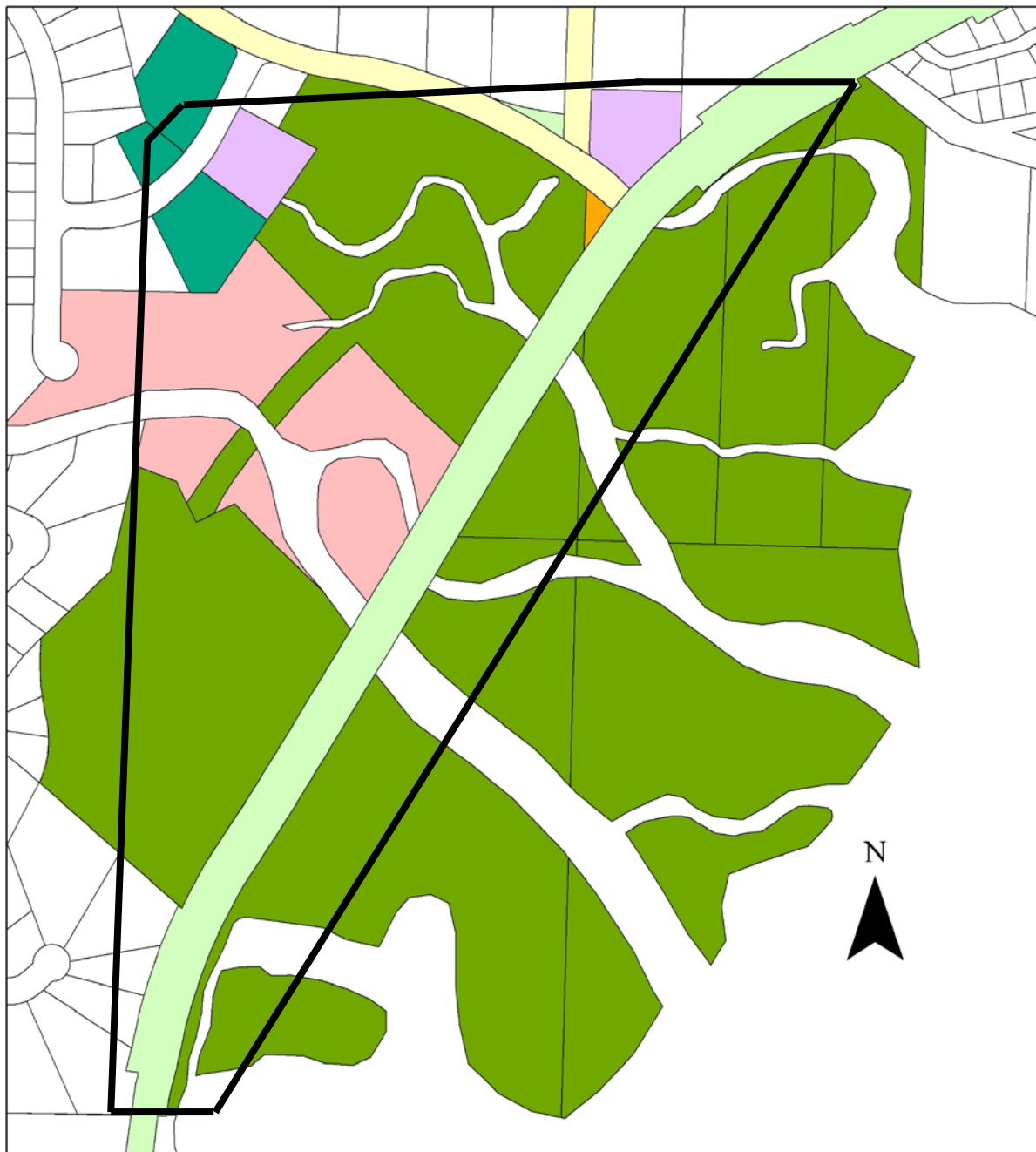




LIDAR Imagery (2019)



Current Land Ownership












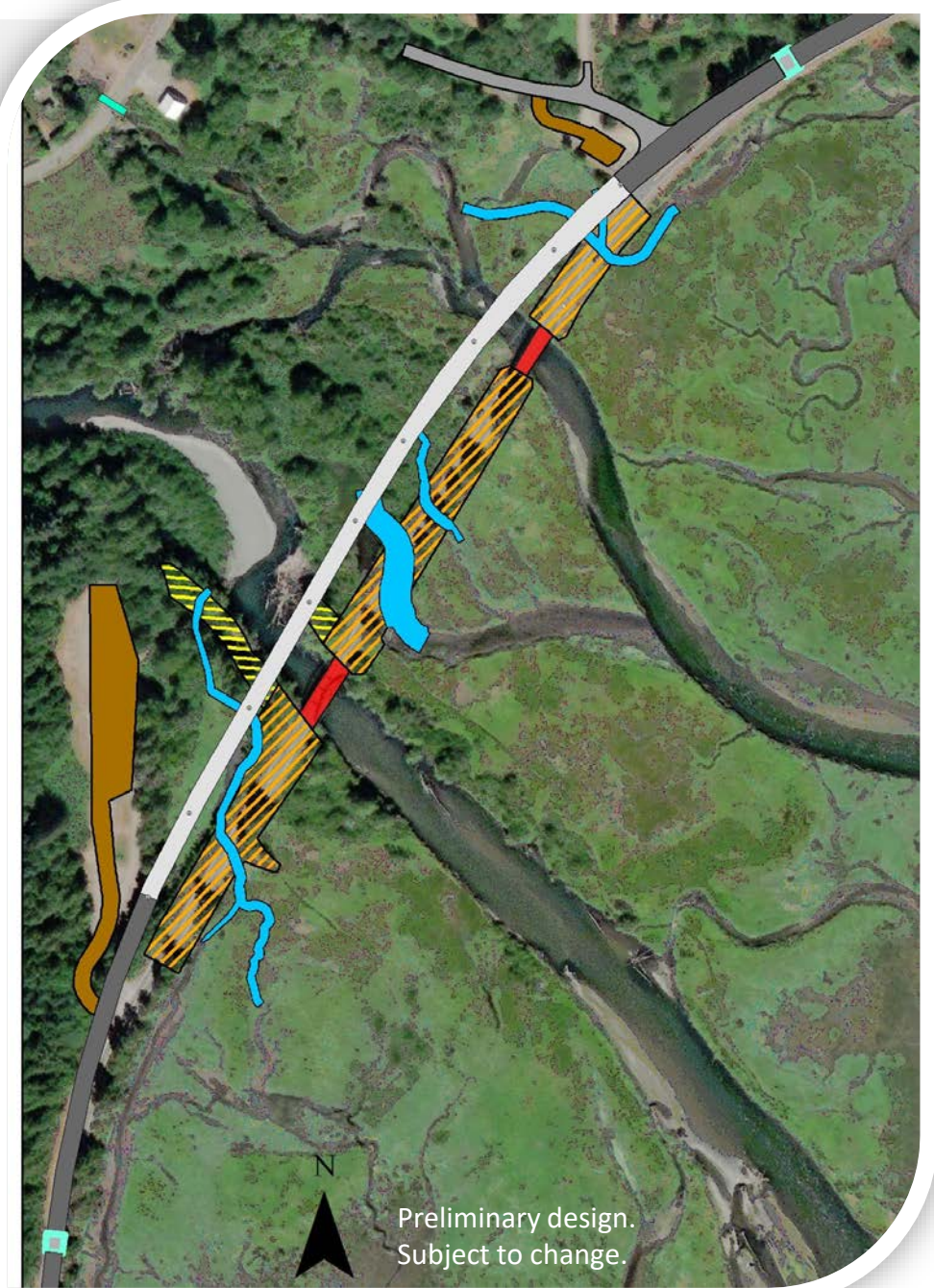
-  Duckabush Unit
North Olympic Wildlife Area
-  U.S. Highway 101
-  County Road

Project activities generally contained within black line.
Subject to change.



Duckabush Restoration Preliminary Design

-  New Highway 101 Bridge
-  Redesigned Duckabush Rd Intersection
-  Culvert Replacement
-  Modified Highway 101
-  Bridge Removal
-  Causeway Removal
-  Levee Removal
-  Public Parking
-  Reconnected Channels



Duckabush Estuary Restoration: Project mid-point

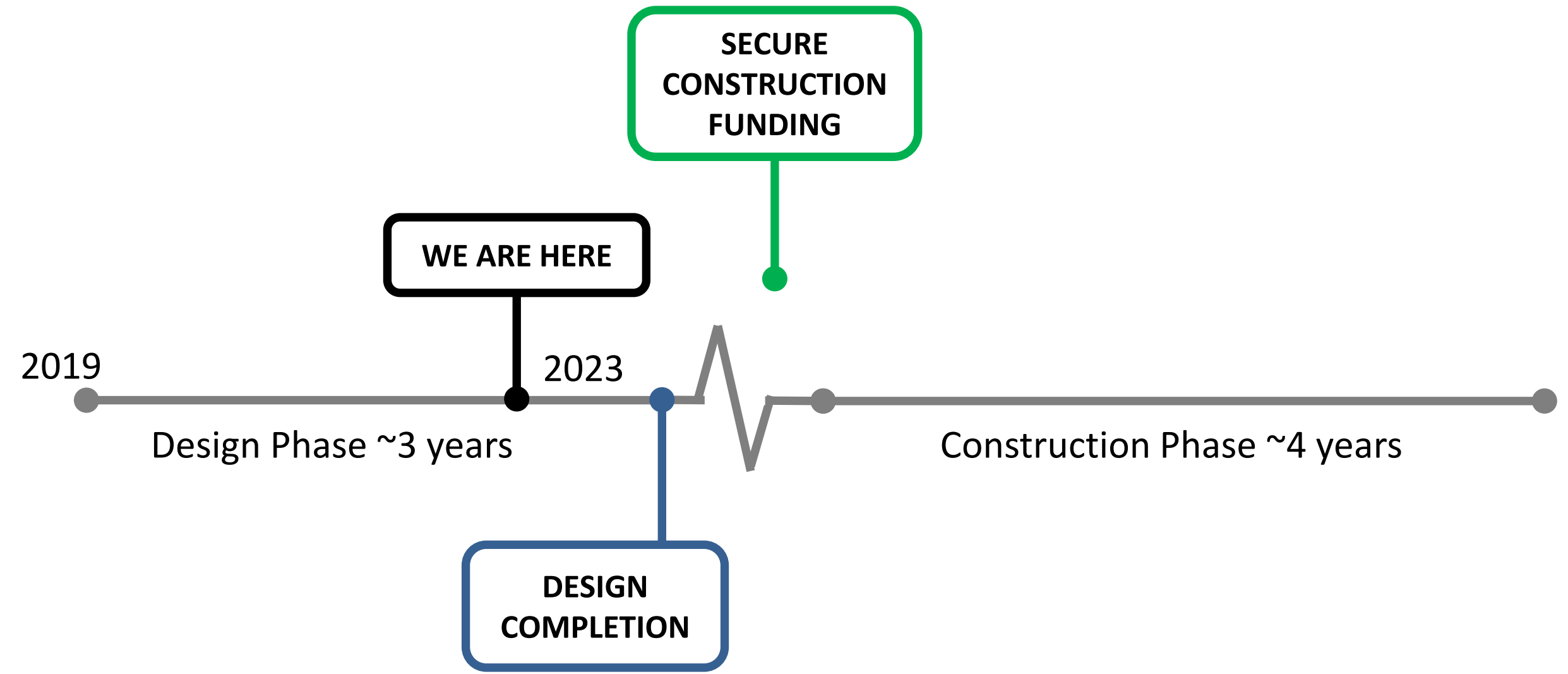


MULTI-BENEFIT PROJECT

- Addresses limiting factor (estuary rearing habitat) for ESA-listed Hood Canal Summer Chum
- Improved water quality via run-off treatment (including 6-PPD)
- Reduced backwater flooding to local community
- Natural resilience to sea level rise
- Habitat connectivity/wildlife underpass & reduced vehicle/wildlife interactions
- Transportation resiliency (SLR/earthquake) & economic connectivity to Olympic Peninsula
- Improved telecommunications connectivity to underserved/rural community
- Mid-Hood Canal Chinook and SRKW benefits



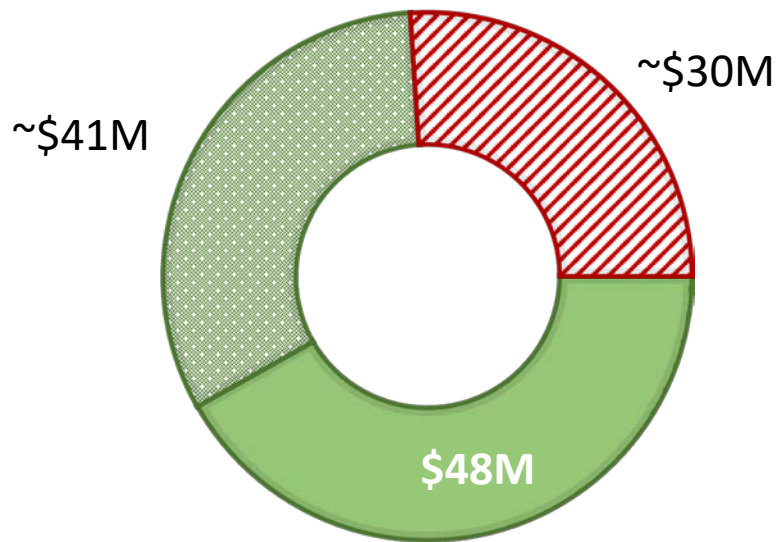
Duckabush Estuary Restoration Preliminary Project Schedule



Duckabush Construction Phase Preliminary Cost Estimate

FUNDING SECURED

- Secured (non-USACE)
- ▨ Unsecured (non-USACE)
- ▨ Unsecured (USACE)



\$	Source	Secured Y/N	Status/Notes
\$25M	WA Legislature (2022 Supplemental)	Y	
\$1M	Federal "Community Project Funding"	Y	Congressman Kilmer via HUD
\$3M	WSDOT	Y	Highway Program \$
\$19.2M	Salmon Recovery Funding	Y	
\$41M	WA Legislature (2023)	N	WDFW Request
\$30M	Army Corps Cost Share	N	\$6M pending Energy & Water approps bill

Includes inflation cost projection as of 08/2022.

Numbers are approximations.



PROJECT COORDINATION

On-going coordination across multiple organizations

Project Website

3-D visualizations

Periodic Newsletter

Public Meetings

Print Media

Project Video



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IN DEPTH - IN TOUCH - INDEPENDENT - SINCE 1889

\$1.50

CEMETERY DAMAGE MAY PROMPT LEGAL ISSUES A3 • RANGERS IN A BLOWOUT A8 • KITCHEN TO KITCHEN B2



An aerial view of the Duckabush Estuary showing US Highway 101 and the two bridges that will be replaced. Photo courtesy of the Washington Department of Ecology.

Preliminary design work continues on Duckabush Estuary restoration project

Plans include removal, replacement of US 101 bridges and highway through critical habitat

Beau Knox
beau@journal.com

Washington state continues to refine design plans for replacing the US Highway 101 bridge that opens the Duckabush Estuary. A new and taller span, officials say, will improve wildlife habitat while reducing flooding in the network.



Three finalists for top county position

Beau Knox
beau@journal.com

Jefferson County announced the three finalists for the position of county administrator Monday. The three candidates are Martin Casey, Ethan Reap, and Richard Kubus.

Two of the finalists are from Washington state, while the third is from California.

County commissioners will interview the trio during a special meeting Friday.

The meeting, to be held online via Zoom, is planned for 2 to 3:30 p.m. Oct. 8.

The new administrator will take over the county's top managerial position from Mark McCauley, who has served as interim administrator since the resignation of Philip Merley in April.

"We are excited to bring new leadership at this time of change and uncertainty in the county," County Commissioner Kate Dean said in an announcement Monday.

"We hope to find an applicant with a shared vision of innovation and stability for our unique, rural county," said Dean, the chair of the board of commissioners that will appoint the next administrator.



Questions?

Theresa.Mitchell@dfw.wa.gov

wdfw.wa.gov/duckabush

