Salmon Habitat Restoration in WRIA 8

WRIA 8 Watershed Restoration and Enhancement Committee

September 26, 2019

Jason Wilkinson, WRIA 8 Projects and Funding Coordinator

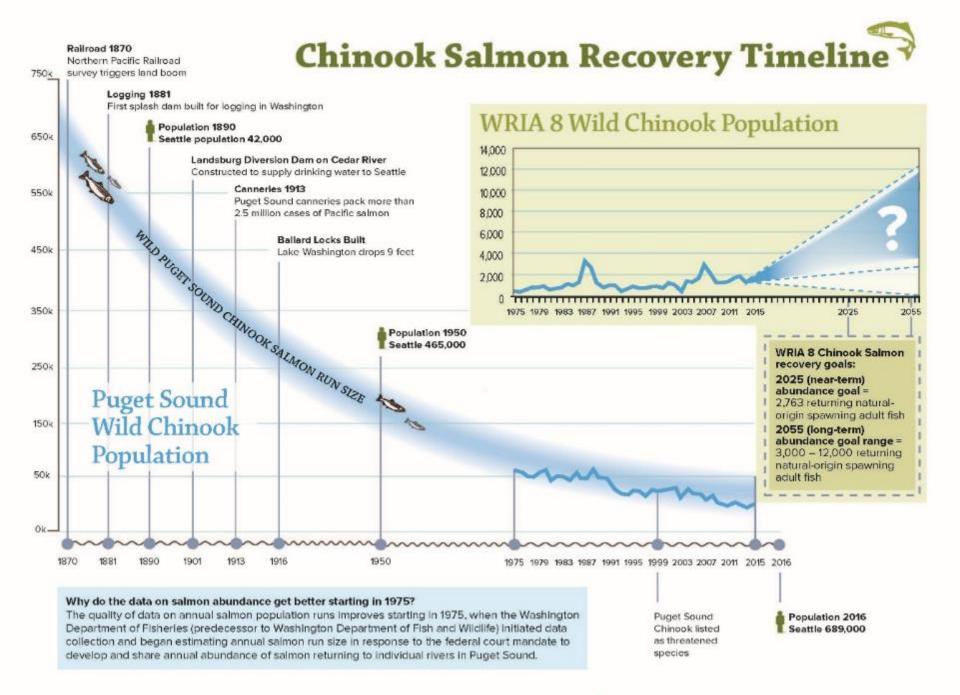


CEDAN SPANIAMISH WASHINGTON CHINS

Presentation Summary

- Lead Entity & WRIA
 8 structure
- WRIA 8 priorities & recovery strategies
- Project types and examples

Lake Washington/Cedar/Sammamish Watershed (WRIA 8 Chinook Salmon Conservation Plan 10-year Update



Background on Lead Entities

- Community-based salmon recovery
- Develop local salmon habitat recovery strategies
- Work with project sponsors to develop projects and implement WRIA strategies
- Direct funding to projects





WRIA 8 Salmon Recovery Council



Stakeholders representing:

- 27 local governments
- Community and environmental organizations
- King Conservation District
- Water and sewer districts
- State and federal agencies
- Citizens

Planning Context in WRIA 8

FINAL

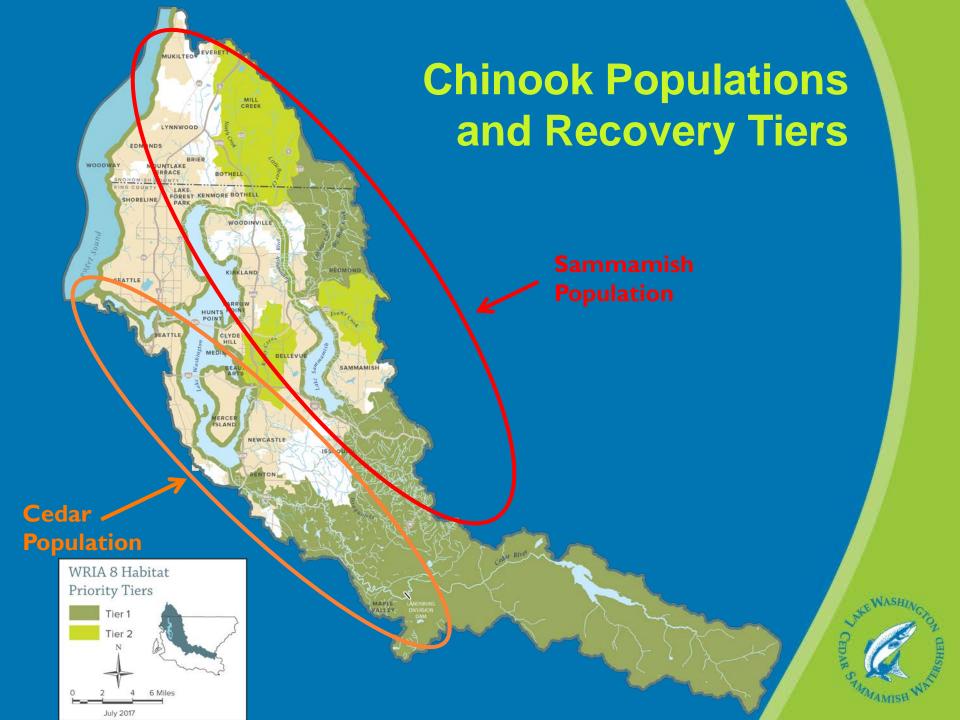
LAKE WASHINGTON/CEDAR/SAMMAMISH WATERSHED (WRIA 8) CHINOOK SALMON CONSERVATION PLAN

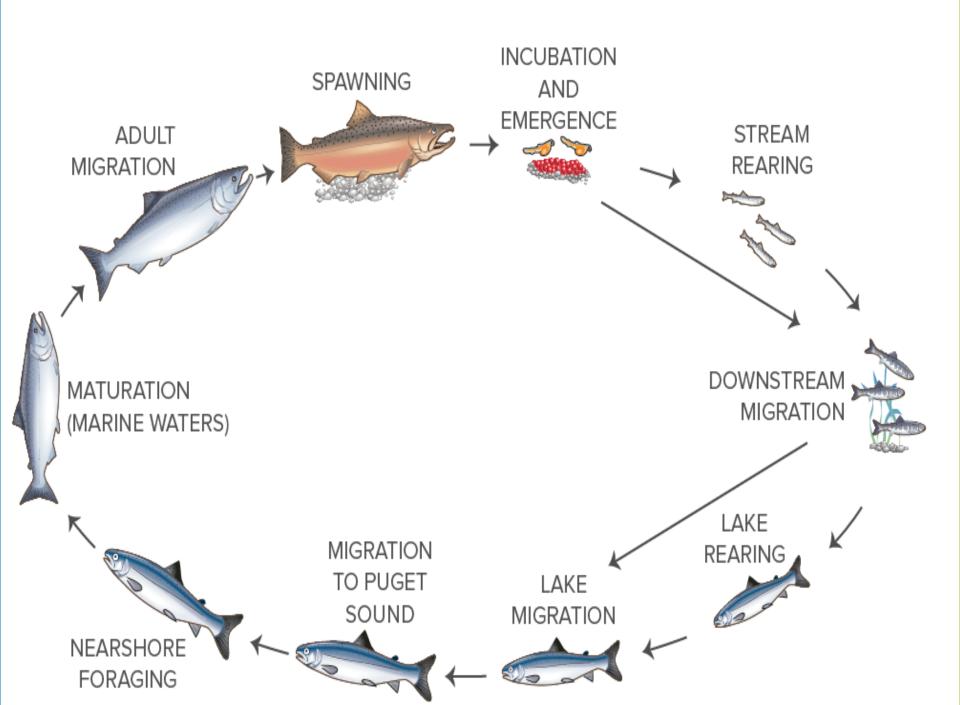
VOLUME I JULY 2005

Lake Washington/Cedar/Sammamish Watershed (WRIA Chinook Salmon Conservation Plan 10-year Update

LIVE WASHINGTON

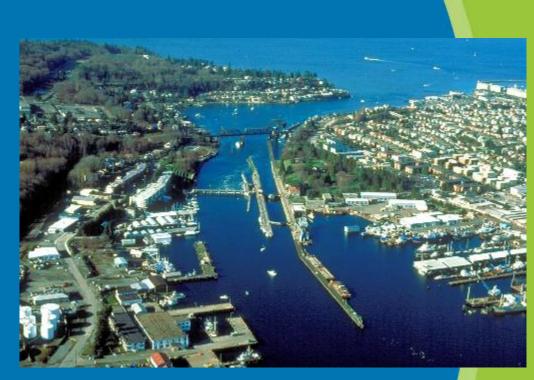
PREPARED FOR LAKE WASHINGTON/CEDAR/SAMMAMISH WATERSHED SALMON RECOVERY COUNCIL





Priority Stressors

- Land conversion
- Levees
- Shoreline armoring
- Altered flows



- Increased water temperatures
- Predation
- Fish passage at Ballard Locks

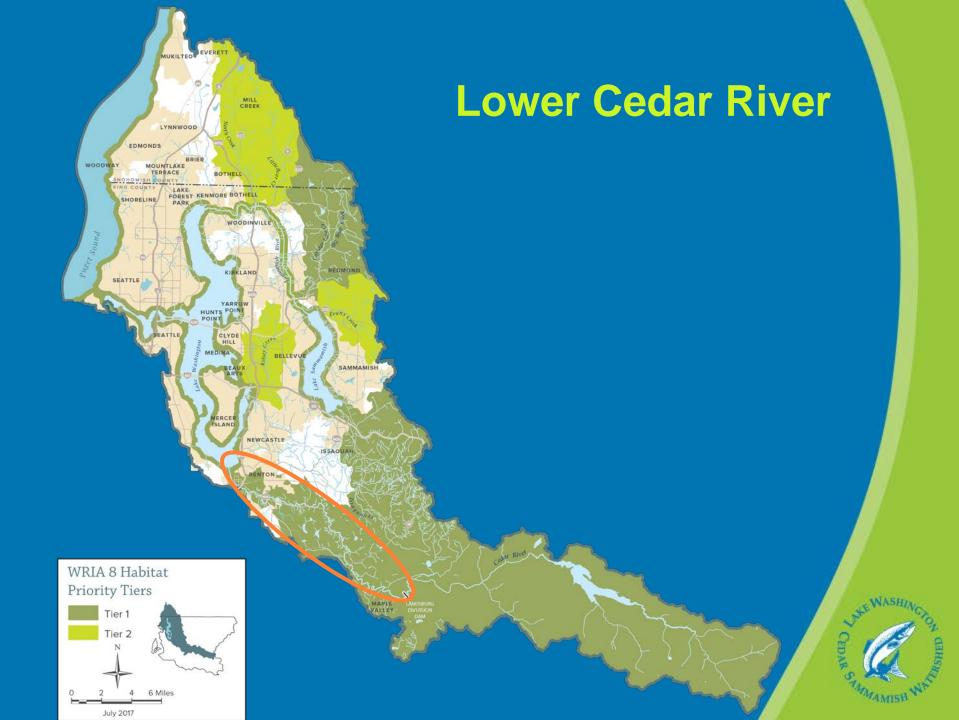


Recovery Strategies & Key Project Types

Protect, restore, enhance...

- Floodplain connectivity
- Channel complexity
- Riparian vegetation and forest cover/headwaters areas
- Shallow water rearing and refuge habitat
- Water quality/cold water sources
- Creek mouths/backshore areas/pocket estuaries
- Marine shorelines





Rainbow Bend Floodplain Restoration



Rainbow Bend Floodplain Restoration



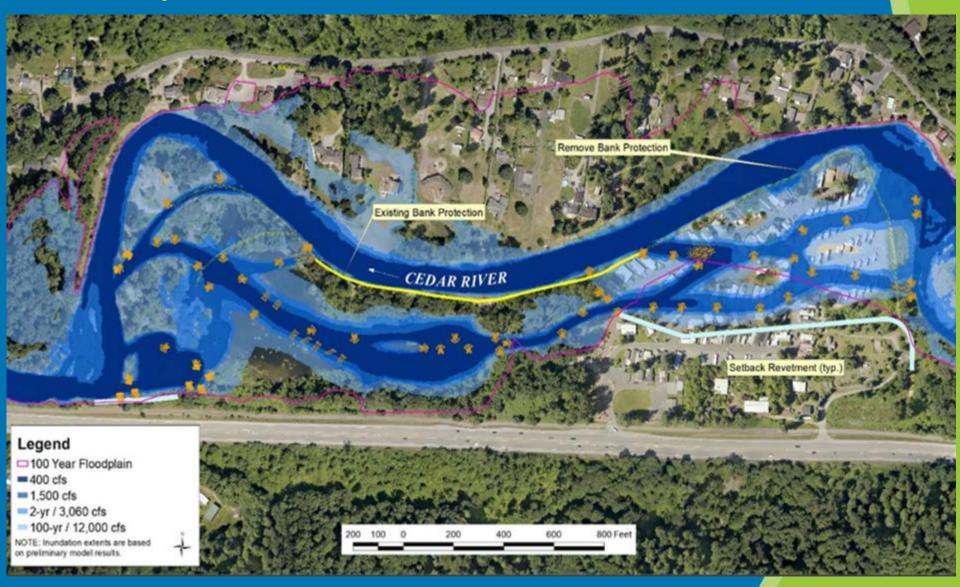
Rainbow Bend Floodplain Restoration

After first flood – April 2014

Photos; King County



Riverbend Floodplain Restoration Anticipated Start - 2020

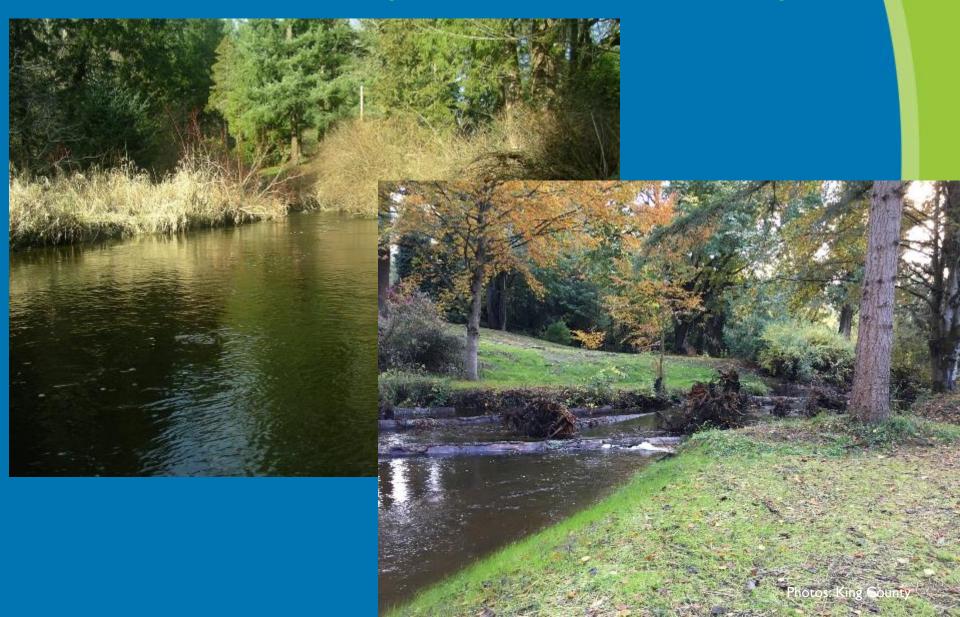


Riparian Restoration





Bear Creek – Doyle Restoration Project



Migratory Areas Lake shorelines



EVERET

MILL

UKILTEO

LYNNWOOD

EDMONDS

WOODW

Bird Island Shoreline Enhancement





Bird Island

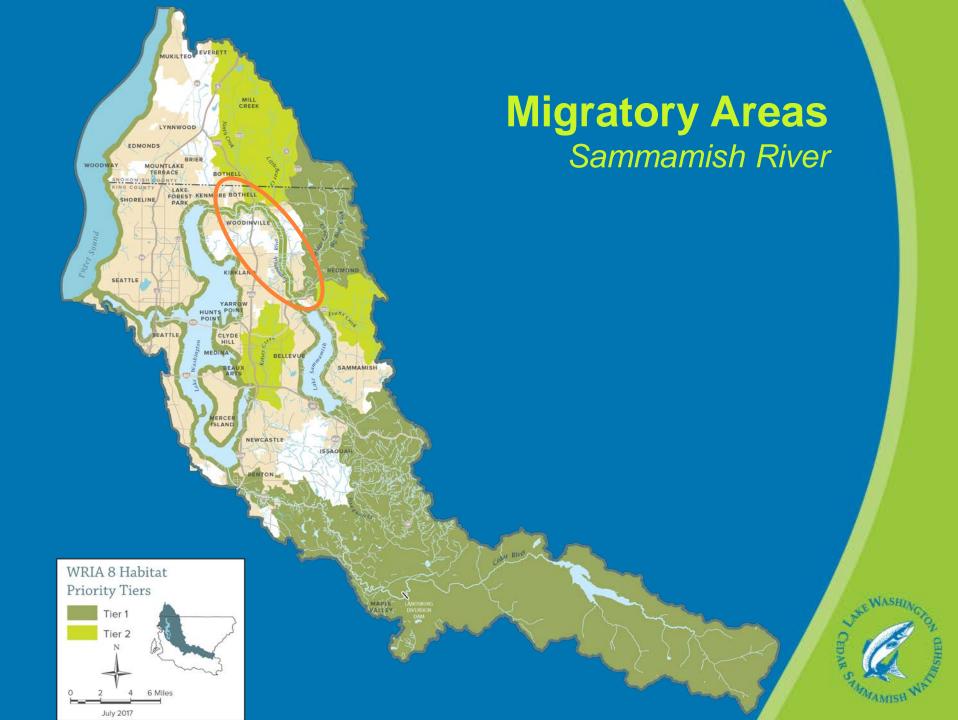
Photos: WADNR



Mapes Creek

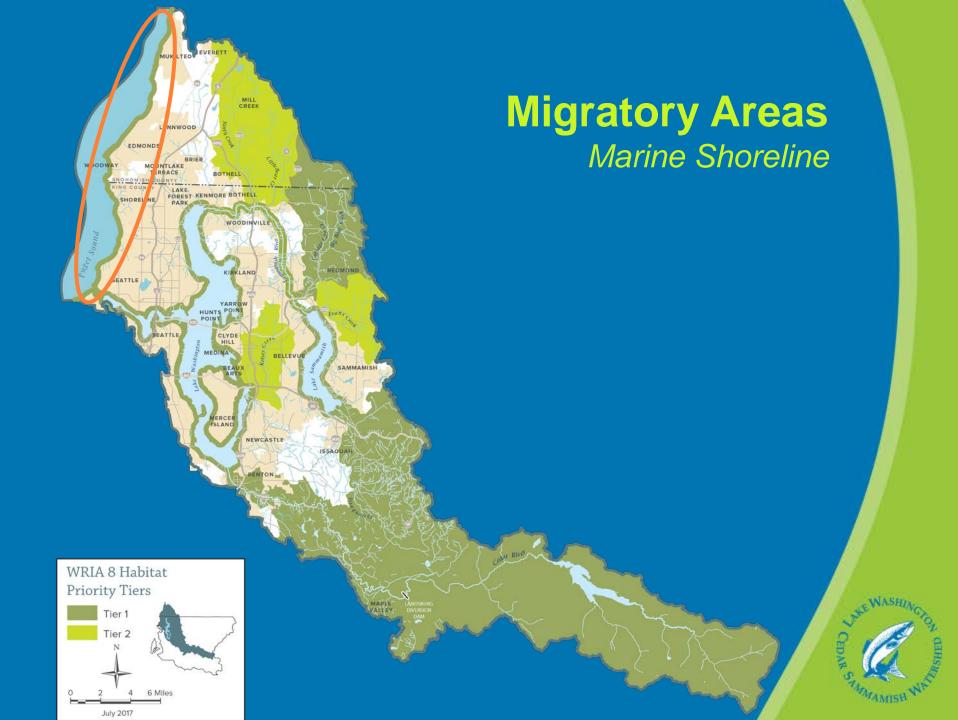






Sammamish River Projects





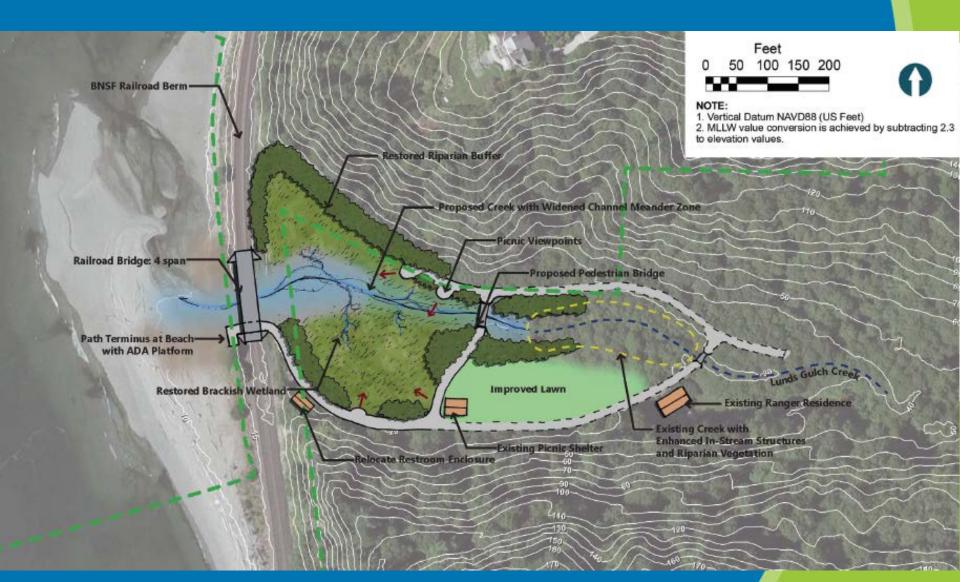
Meadowdale Beach Park & Estuary Restoration



Meadowdale Beach Park & Estuary Restoration

Photos: Snohomish County

Meadowdale Beach Park & Estuary Restoration





2006 May, Pre-construction

05/07/2019

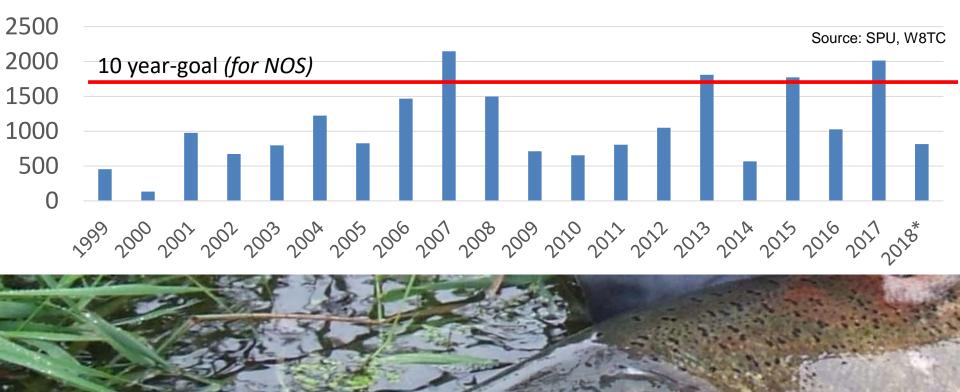
Other Habitat Projects...Not WRIA Projects Taylor Creek

Issaquah Creek Mitigation

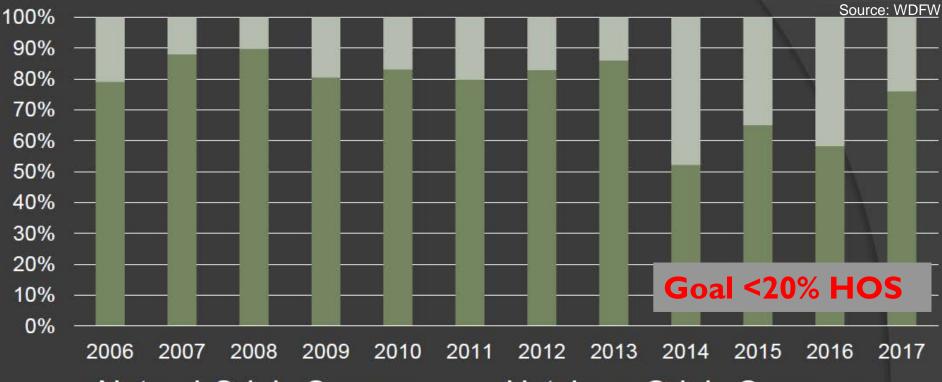


Questions and Discussion

Cedar Spawning Escapement



*84% NOS



Natural-Origin Spawners Hatchery-Origin Spawners





