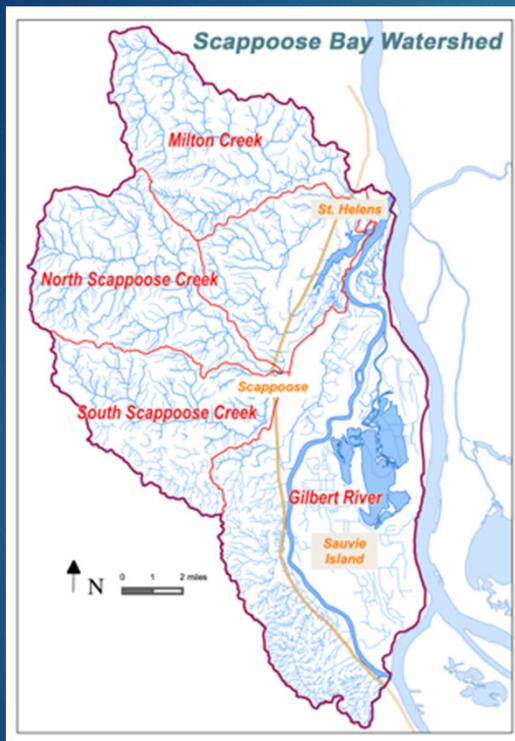


State of the Watershed 2020





Working towards healthy communities and creeks from headwaters to the bay



The Scappoose Bay Watershed is located at the end of the Willamette River via the Multnomah Channel as it connects to the Lower Columbia River. It's diverse landscape includes steep forests to lowland waterways, and has significant salmonid and native wildlife habitat.

Our vision is to:

- Restore historic salmon runs in creeks and tributaries.
- Improve water quality.
- Increase diversity and complexity of native species and habitats.
- Provide a healthy watershed where natural beauty, recreational opportunities and clean surroundings are available for everyone to enjoy.



Fish Status and Trends 2019

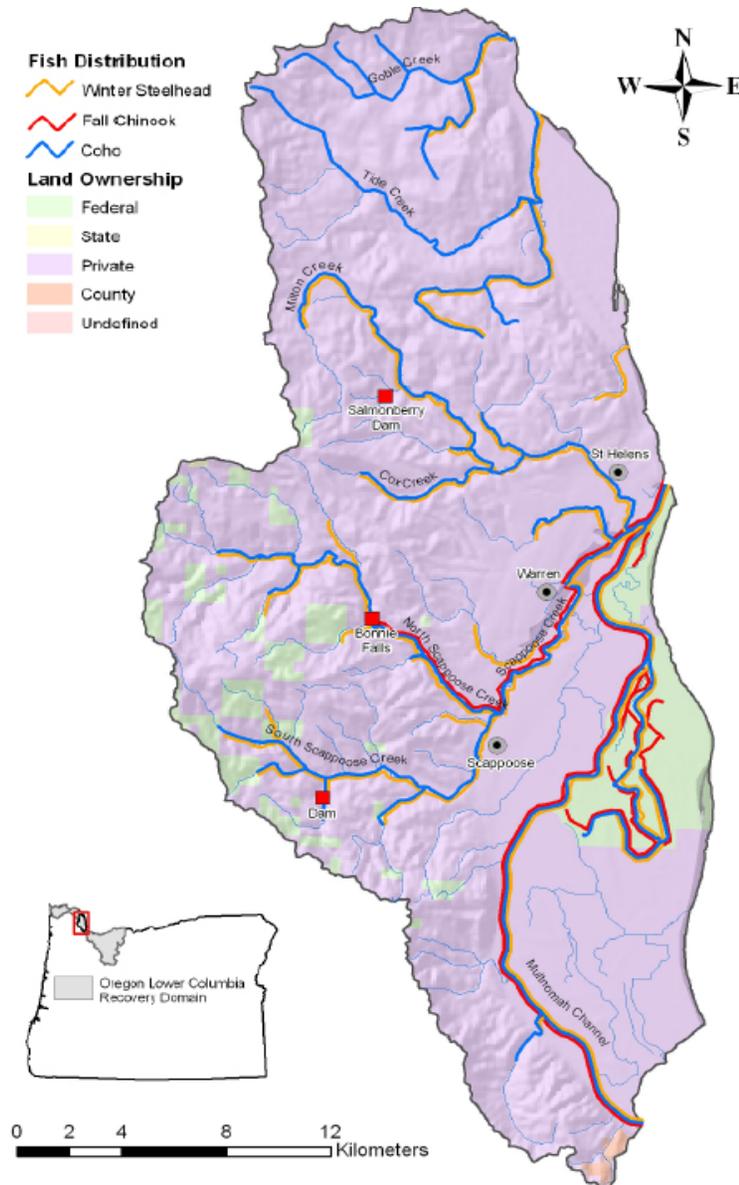
Four species of fish in ESA Recovery Plans:

- ▶ Coho Salmon
- ▶ Fall Chinook Salmon
- ▶ Winter Steelhead
- ▶ Chum Salmon

Additional species of concern:

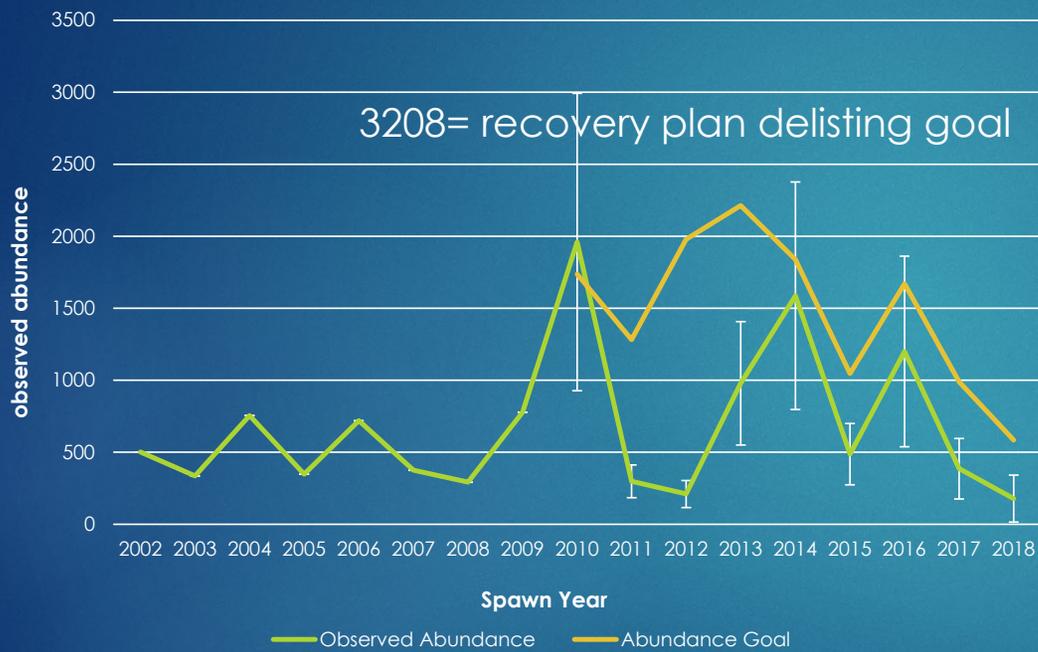
- ▶ Pacific Lamprey

Data based on a report given by Jim Brick, ODFW Lower Columbia Implementation Coordinator



Coho Salmon

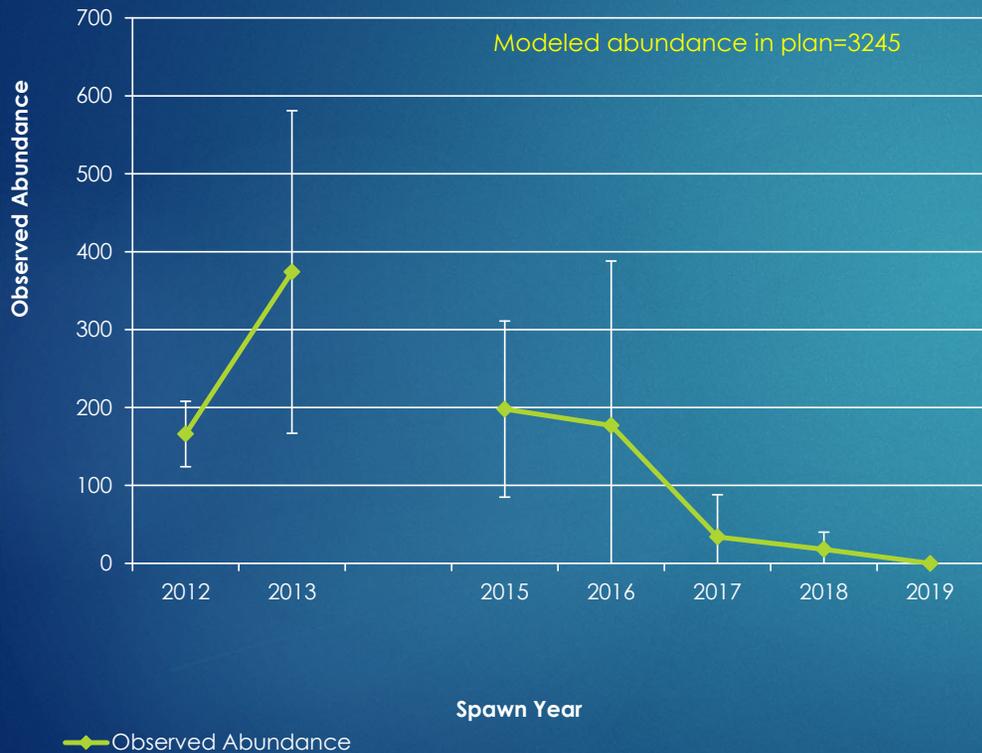
Scappoose Wild Coho Abundance



Historical abundance = 22,184
Broad Sense Goal=4184

Winter Steelhead

Scappoose Wild Winter Steelhead Abundance



Historical abundance =
12,396
Broad Sense Goal= 5169

Fall Chinook & Chum Salmon - Extirpated



Fall Chinook
Historical Spawning Distribution
Historical abundance=12,511



2018-2019 Lower Columbia Fall Chinook Salmon Survey

- No Chinook live adults (or carcasses) were observed in the surveys attempted for the Scappoose and Lower Gorge populations in 2018. This is consistent with survey outcomes for the Scappoose population done in 2009 through 2017.

Perspectives on Moving Forward

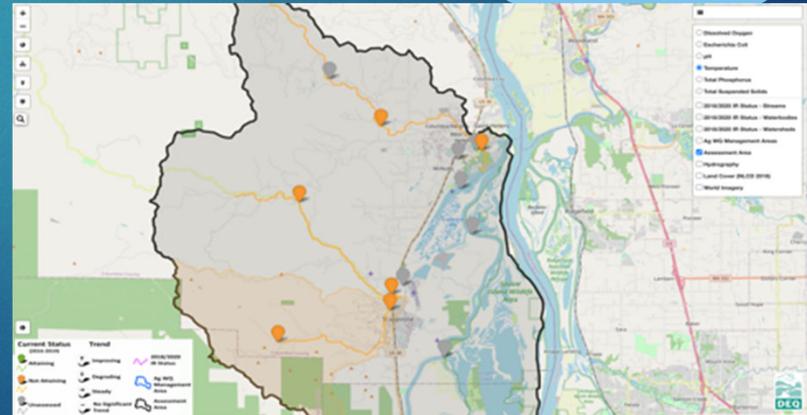
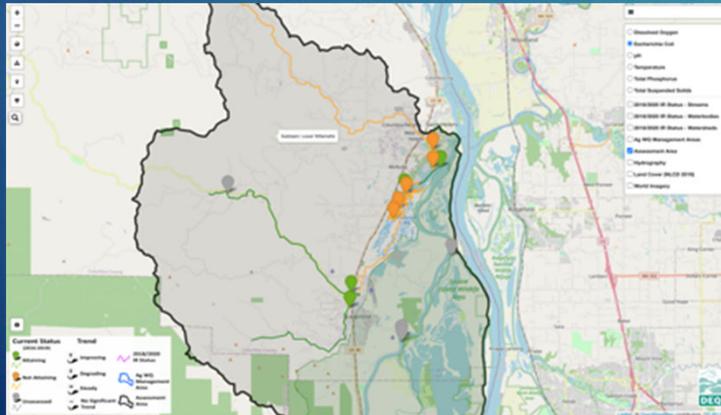
1. Focus attention on those fish species that currently exist in the watershed.
2. Focus attention on treating primary limiting factors affecting coho and steelhead.
3. Take advantage of the Western Oregon Stream Restoration Program.
4. Work with members who helped develop the 2018 SBWC Strategic Action plan to prioritize and implement a multi-agency restoration projects.
5. Work toward expanding the native nurse program and/or complimenting it with small grants to deliver winter time riparian restoration projects.



DEQ 2019 Water Quality Report

<https://www.oregon.gov/deq/wq/programs/Pages/wqstatustrends.aspx>

- ▶ Monitoring began in 2016
- ▶ Currently meeting goals for Dissolved Oxygen, pH
- ▶ Not meeting goals for E. Coli in lower Scappoose Creek (East of Hwy 30), Scappoose Bay, or Milton Creek
- ▶ Not meeting goals for summer temperature in any monitored stream



How do we improve water quality?



- ▶ Land use planning and permitting that maintains a stream buffer with trees
 - ▶ Shade Our Streams program
 - ▶ Reintroduce and protect beaver & habitat
 - ▶ ODA Agriculture Water Quality Program – CSWCD, NRCS
 - ▶ 2020 is implementation year for North Coast WQMA
- 

Weeds - North Coast Cooperative Weed Management Area

- ▶ CSWCD treated 6.5 acres of Garlic mustard, 0.18 acres of Yellow archangel, 1.5 acres of Knotweed, 0.6 acres of Yellowflag iris, 0.03 acres of Spotted knapweed, and 2.55 acres of Spurge laurel.
- ▶ 2019 Grant award to CSWCD for Garlic Mustard Treatment along Scappoose Creek - \$15,000 from Oregon State Weed Board
- ▶ 2020 OWEB Grant award to CSWCD for English Holly removal on 5 ac property



What else can be done?

- 1) Our public agencies need equipment, licensed herbicide applicators on staff, and training on weed ID and control to manage noxious weeds on their lands and keep them from spreading
- 2) Encourage state officials to continue to fund weed grant program

2020 Year in Review: Native Plant Nursery

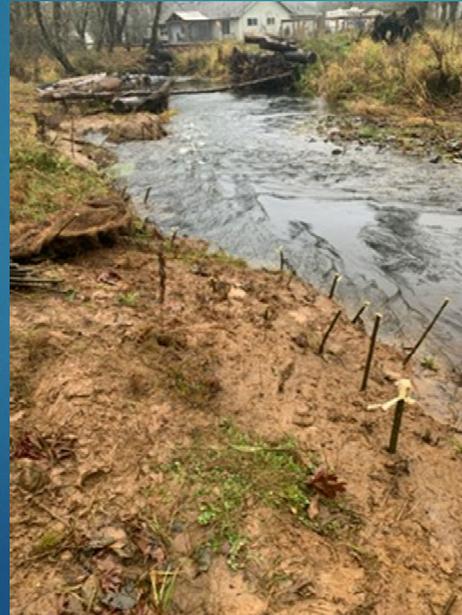
Our Native Plant Nursery has one of the region's largest selections of native trees, shrubs, wildflowers, ferns and sedges.

- ▶ We have supplied over 4,225 plants for restoration projects in 2020.
- ▶ Students and community volunteers work at the nursery on Thursdays from 9:00 – noon. Average 2000 volunteer hours/year. 2020 - 240 hours.
- ▶ Nursery is funded through two annual public plant sale fundraisers as well as grants and government contracts.
- ▶ In 2020, we raised over \$9000 at our Fall Plant Sale fundraiser. Normal year - \$15,000 between the two events
- ▶ Overall, our income for the nursery was down about \$15,000 for 2020 due to impacts of Covid-19



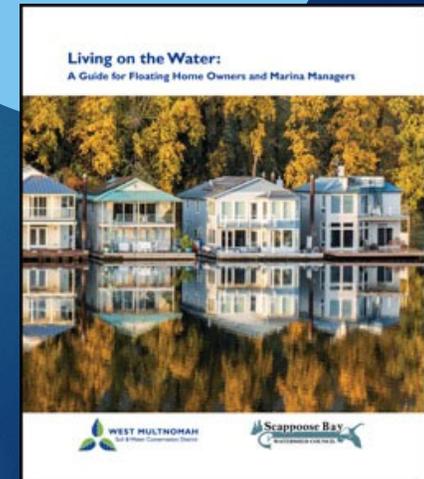
2020 Year in Review: Restoration

- ▶ Planted native plants – 4227 plants distributed to restoration projects, 2640 planted by SBWC
- ▶ Stream channel restoration on North Scappoose Creek and Milton Creek – 6.65 ac over 0.36 miles, 9 large wood structures



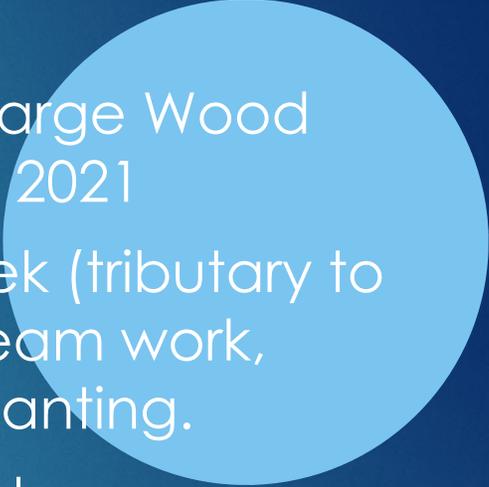
2020 Year in Review: Outreach

- ▶ Volunteer hours - 240
- ▶ Events held – 1 Plant Sale, 3 Volunteer Work Days in local parks and natural areas, 1 Aquatic Weed Workshop kayak tour
- ▶ Distributed *Living on The Water Guide*, with WMSWCD, to Floating Home communities on Multnomah Channel



2020 Year in Review: Grants awarded



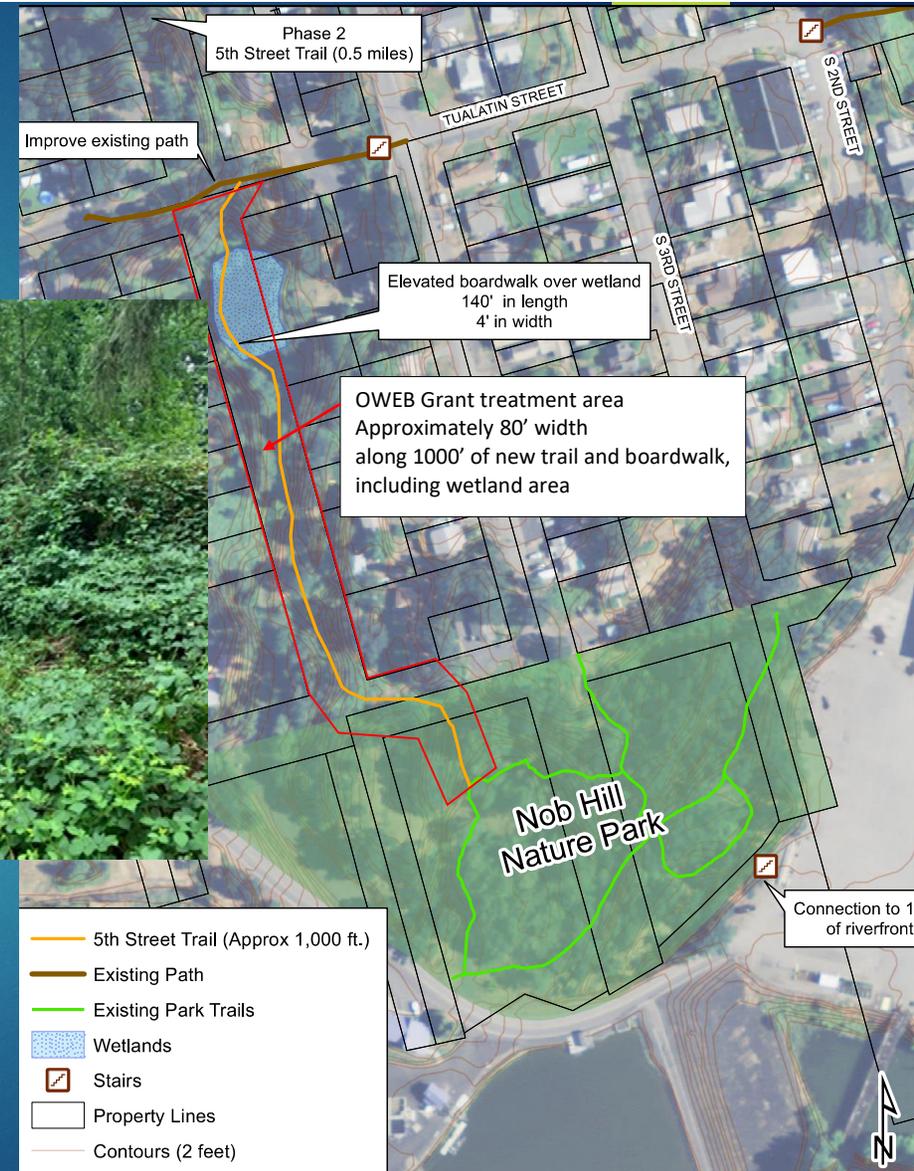
- ▶ Total of **\$355,241** in new grants awarded
 - ▶ Secured OWEB grant **\$264,280** for Brush Creek Large Wood installation (part of Milton Creek) to be installed 2021
 - ▶ Secured **\$74,961** OWEB grant for Raymond Creek (tributary to Scappoose Creek) design and outreach for stream work, crossing reduction, livestock fencing, riparian planting.
 - ▶ **\$15,000** grant from OWEB for Nob Hill Nature Park Improvements (City of St Helens)
 - ▶ IGA with City of Scappoose to maintain and improve streamside natural areas in parks and watershed properties.
- 

Nob Hill Park Improvement

- ▶ Total project cost: \$18114
- ▶ OWEB grant: \$12,414
- ▶ Partners: Friends of Nob Hill, City of Scappoose, SBWC

Goals:

- ▶ Involve community in care and restoration of park
- ▶ Restore Oak Woodland Habitat
 - ▶ Remove invasive Blackberry and Ivy
 - ▶ Replace with Native species





Thank You

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Image: Salmon Spawning, Jason Ching
<https://salmonstate.org/2019/01/10/the-international-year-of-the-salmon-brings-people-together-across-the-atlantic-and-the-pacific/>