Seattle, King County



ROLLIE GEPPE

Puget Sound Salmon Recovery Region Indicators

Human Population: 4,093,500

Counties: All or parts of Whatcom, Skagit, Island, San Juan, Snohomish, King, Pierce, Thurston, Mason, Kitsap, Jefferson, and Clallam.

Treaty Tribes: Lummi, Nooksack, Stillaguamish, Jamestown S'Klallam, Muckleshoot, Nisqually, Port Gamble S'Klallam, Lower Elwha S'Klallam, Puyallup, Samish, Sauk-Suiattle, Skokomish, Squaxin Island, Stillaquamish, Suquamish, Swinomish, Tulalip, Upper Skagit.

Listed Fish: Chinook (threatened), Hood Canal summer chum (threatened), bull trout (threatened).

Regional Recovery Organization:

Puget Sound Shared Strategy (http://www.sharedsalmonstrategy.org/). For Hood Canal summer chum, Hood Canal Coordinating Council (http://www.hccc.cog.wa.us/).

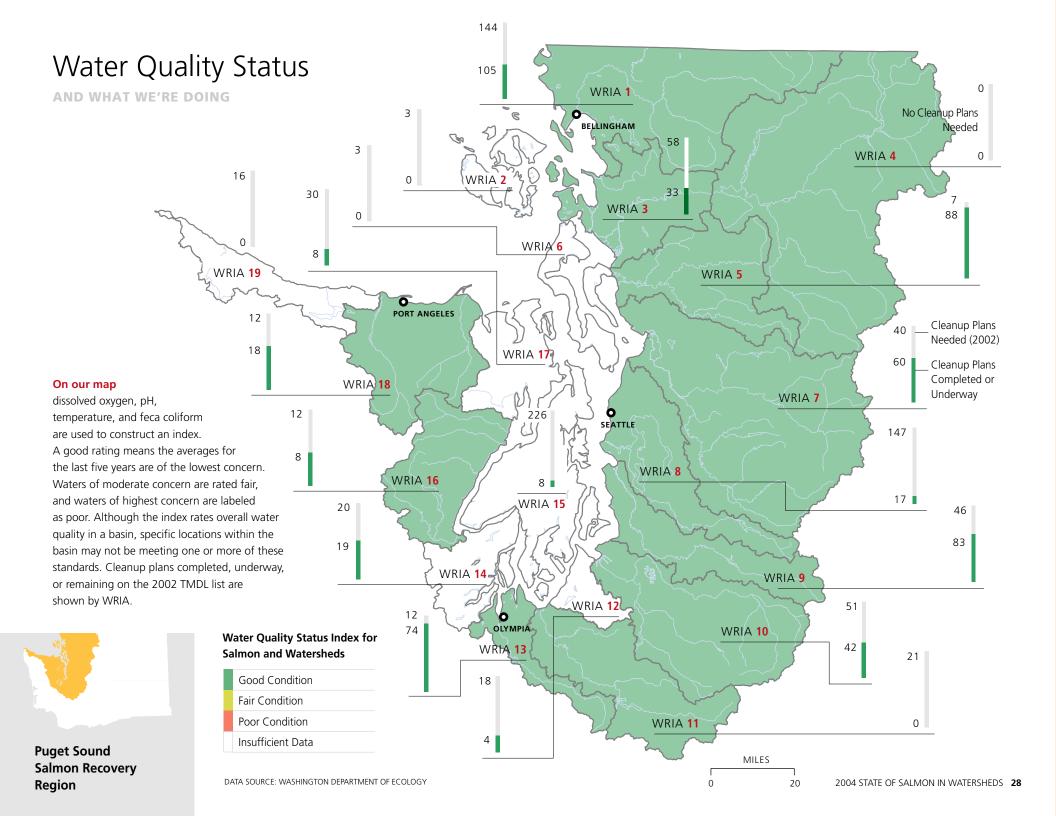
Recovery Planning Status:

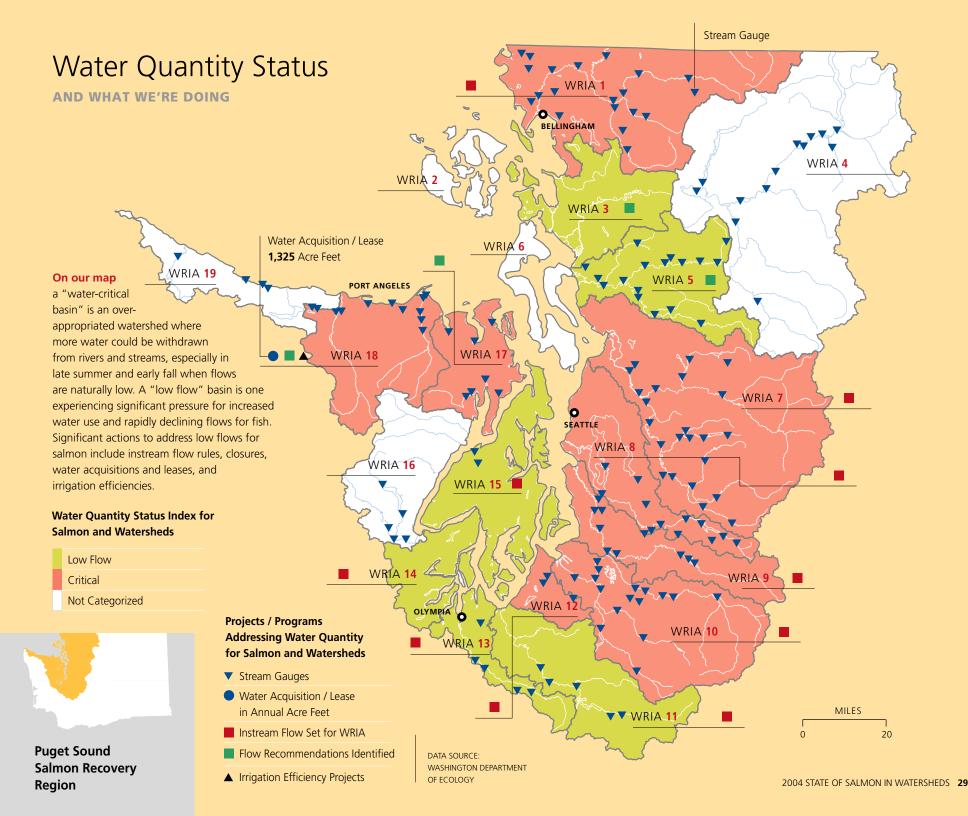
Currently preparing recovery plans—with drafts due in June 2005—for Puget Sound Chinook and, through the Hood Canal Coordinating Council, for Hood Canal summer chum.

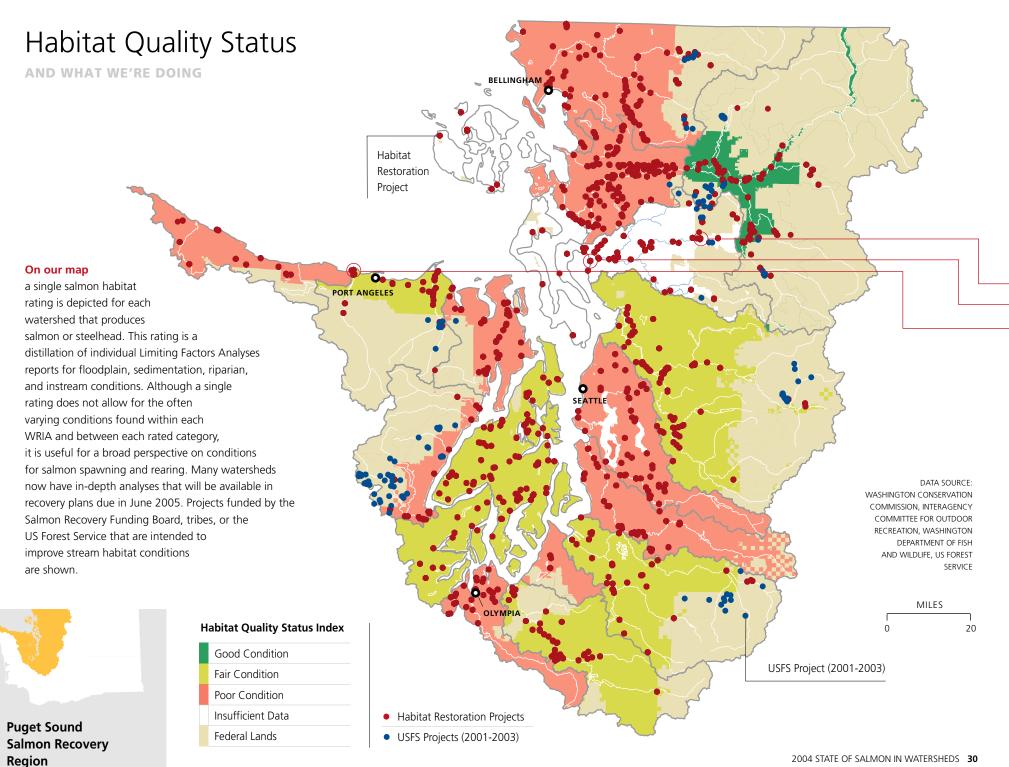
WRIAs / Water Resource Inventory Areas

- 1 Nooksack
- 2 San Juan
- 3 Lower Skagit
- 4 Upper Skagit
- 5 Stillaguamish
- 6 Island
- 7 Snohomish
- 8 Cedar / Sammish
- 9 Green / Duwamish
- 10 Puyallup / White
- **11** Nisqually
- 12 Chambers / Clover
- **13** Deschutes
- 14 Kennedy / Goldsborough
- 15 Kitsap
- **16** Skokomish / Dosewallips
- 17 Quilcene / Snow
- **18** Elwha / Dungeness















Stillaguamish Engineered Log Jam Monitoring

Volunteers are monitoring benefits to salmon from instream habitat projects.

Port Susan Bay Acquisition and Restoration Assesment

The Nature Conservancy identified and designed restoration actions for an acquisition of private tidal and estuarine wetlands.

Elwha River Floodplain Restoration

The Lower Elwha Klallam Tribe improved natural habitats in the lower portion of the Elwha River.

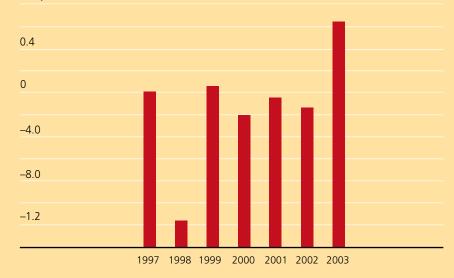
Puget Sound Chinook

- ▶ Composite spawner abundance and planning target range for 14 of 22 populations.
- ▶ Planning Target Range from Puget Sound Shared Strategy.



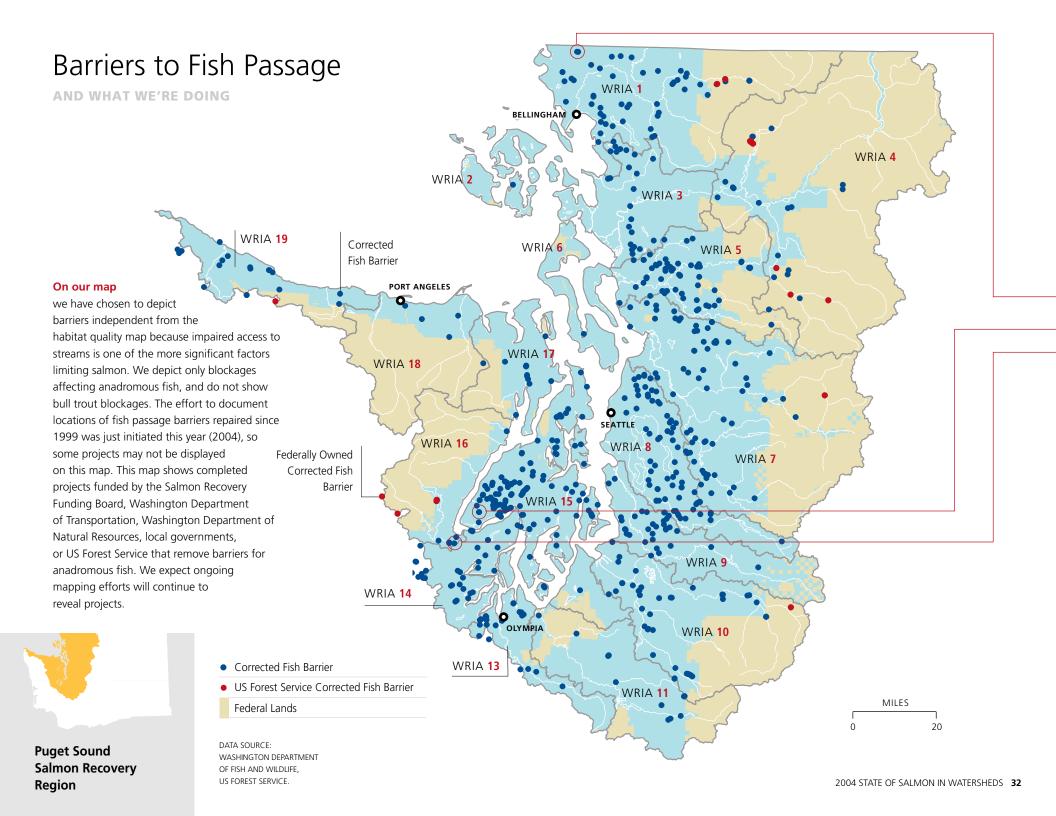
Puget Sound Wild Chinook Smolt Production Index

0.8 production index



DATA SOURCE: CRAWFORD AND VOLKHARDT (2004)

2004 STATE OF SALMON IN WATERSHEDS 31









Leidi-Bertrand Creek Culverts

Bertrand Creek is a major tributary to the Nooksack River in Whatcom County. Through the Family Forest Fish Passage Program, two culverts were removed on tributaries to the creek, improving spawning and rearing conditions for almost 1/2 mile for coho and cutthroat trout.

Erdman and Haven Creek Culvert

This project, part of the Family Forest Fish Passage Program (FFFPP), replaced two undersized culverts in the Hog Ranch road community of the Tahuya Peninsula in Mason County. Over six miles of stream were made accessible by the project.

Gosnell Creek Culvert and Riparian Restoration

An RFEG replaced two fish blockages and reduced flooding.

Hood Canal Summer Chum

- ▶ Composite spawner abundance and planning target for 15 of 15 populations.
- ▶ Planning target from Technical Recovery Team.



BARRIER

Undersized culverts may concentrate stream flow, thereby creating a velocity barrier and/or outfall drop



NON-BARRIER

Proper fish passage structures should be wider than the stream

DATA SOURCE: CRAWFORD AND VOLKHARDT (2004)