

Orca Recovery in Northern Puget Sound

Amy Windrope,
North Puget Sound Director



WDFW Mission

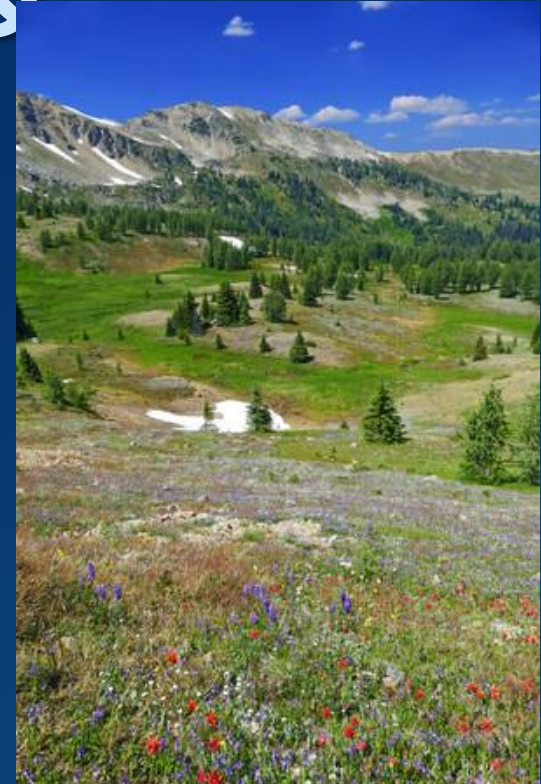
To preserve, protect and perpetuate fish, wildlife and ecosystems while providing sustainable fish and wildlife recreational and commercial opportunities.



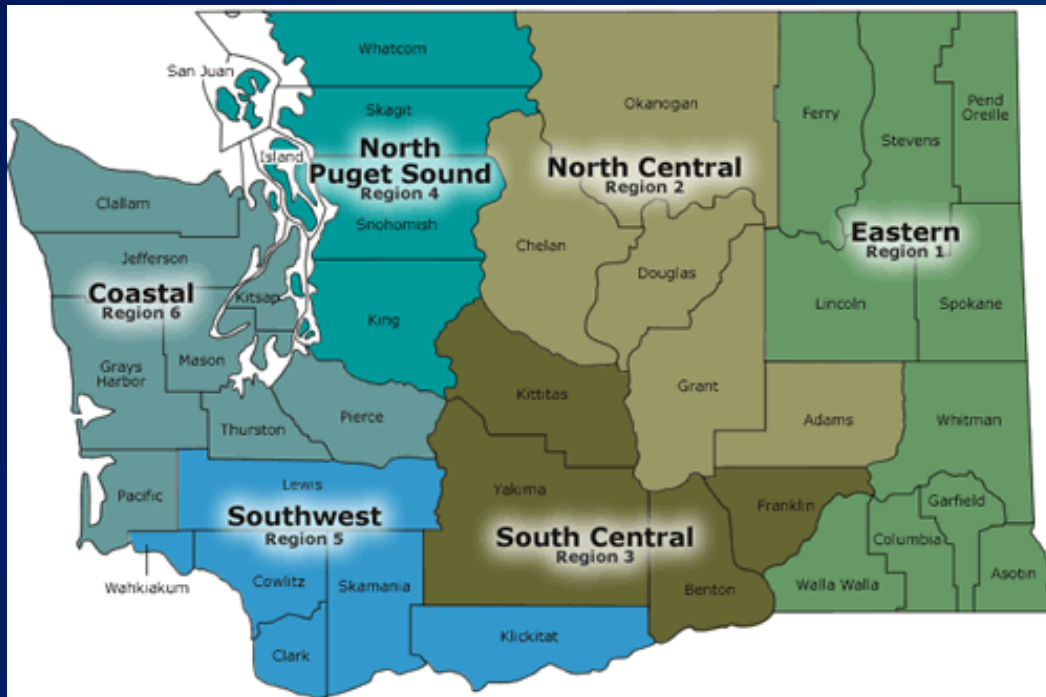
WDFW Administration & Structure

Fish and Wildlife Commission

- 9-members appointed by the Governor
- 6-year terms – 3 East, 3 West, 3 anywhere
- Responsibility
 - Policy and direction to Department
 - Monitor Department's implementation of Commission's goals
 - Appoints Agency Director



WDFW Administration & Structure



- Olympia Headquarters
- 6 Regions
- 6 Programs
 - Fish
 - Wildlife
 - Habitat
 - Enforcement
 - Capital Asset Mgt
 - Tech/Financial Mgt

<http://wdfw.wa.gov/about/regions/>

WDFW Conservation Tools

- Regulatory
- Setting Seasons
- Species Augmentation
- Land Use Planning Assistance
- Private Land Partnerships
- Real Property Management



WDFW plays a key role in the outdoors

Each year, WDFW's 1,800 employees:

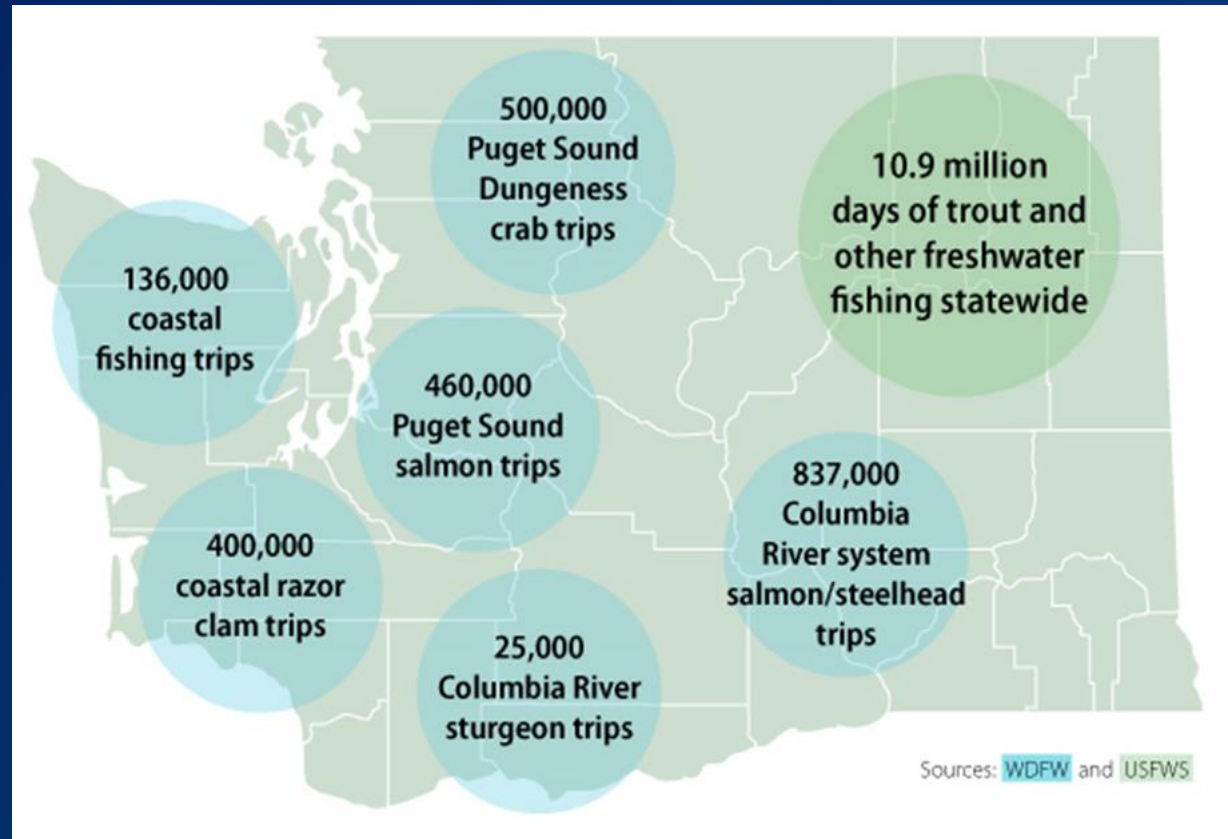
- Partner with 500 businesses to sell millions of hunting and fishing licenses
- Manage 1 million acres for habitat, hunting, and recreation at 33 wildlife areas
- Make 300,000 enforcement and public education contacts
- Manage 83 hatcheries and 650 water access sites



WDFW makes a difference in communities

**More than
\$1 billion in
economic
activity each
year**

**The average
angler
spends \$40
per day**



Hunters have opportunities in every region



Hunters generate
\$356 million in
economic activity
per year

250,000 hunters

The average
hunter spends
\$64 per day

WDFW Approach to Orca Recovery Hatcheries, Habitat, Hydro and Harvest plus Predation



Two primary purposes of hatchery fish

- Provide fish for harvest (most cases)
- Contribute to natural population (conservation)



Key Points

- Hatcheries mitigate for habitat
 - Contribute to fisheries
 - Supplement weak wild population
- Hatchery production is subject to:
 - *US v Washington*, and
 - *US v Oregon*
- State statutes direct development, operations and subsequent releases of juvenile salmonids



Green/Duwamish Watershed



Hatcheries and Harvest Salmon Fishery Management



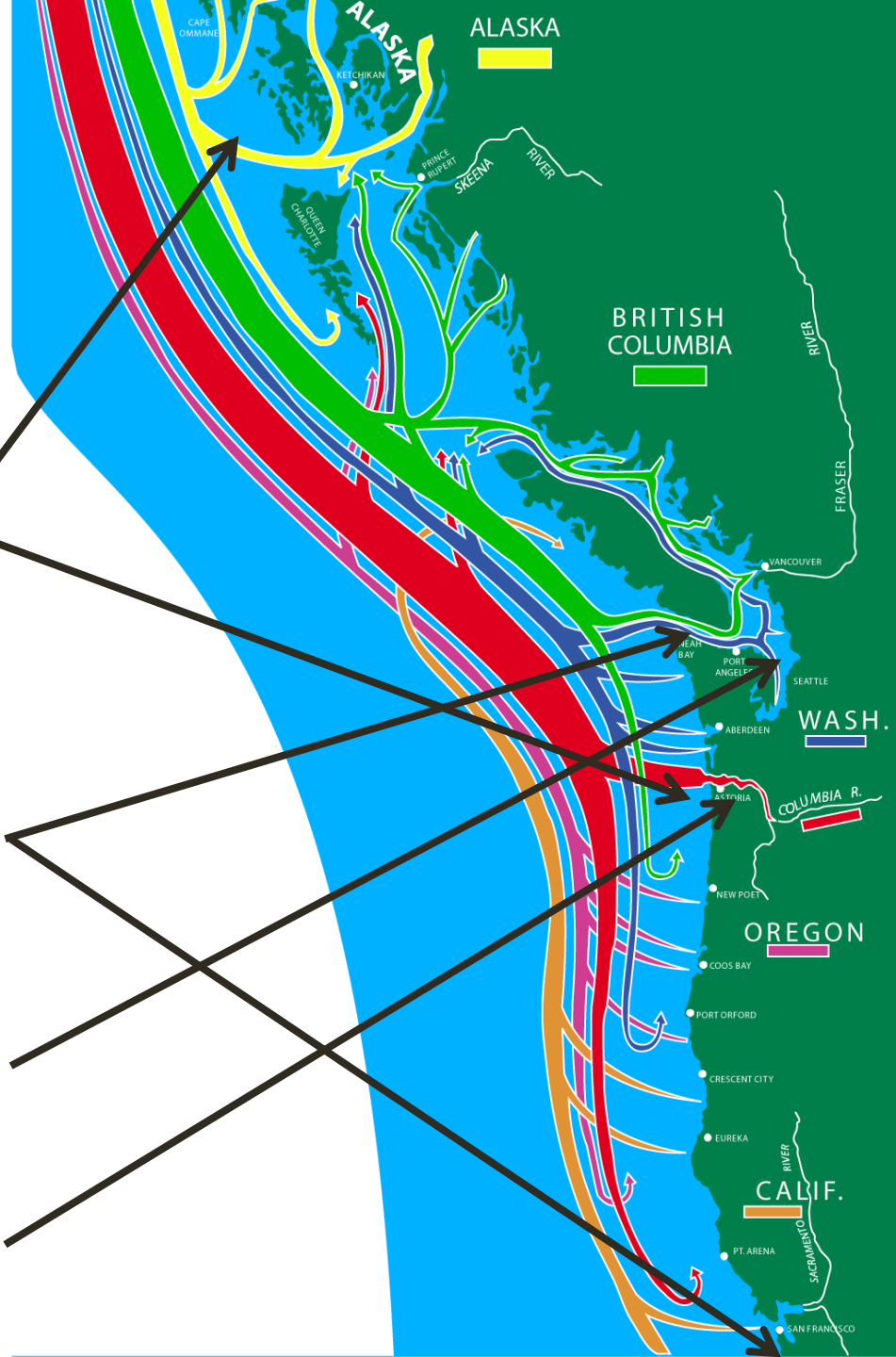
Complex, multi-jurisdictional processes

Pacific Salmon Treaty

Pacific Fishery Management Council

U.S. v Washington

U.S. v Oregon





Agreement to boost salmon returning to Pacific Northwest waters



WA Governor's Office

Sep 17

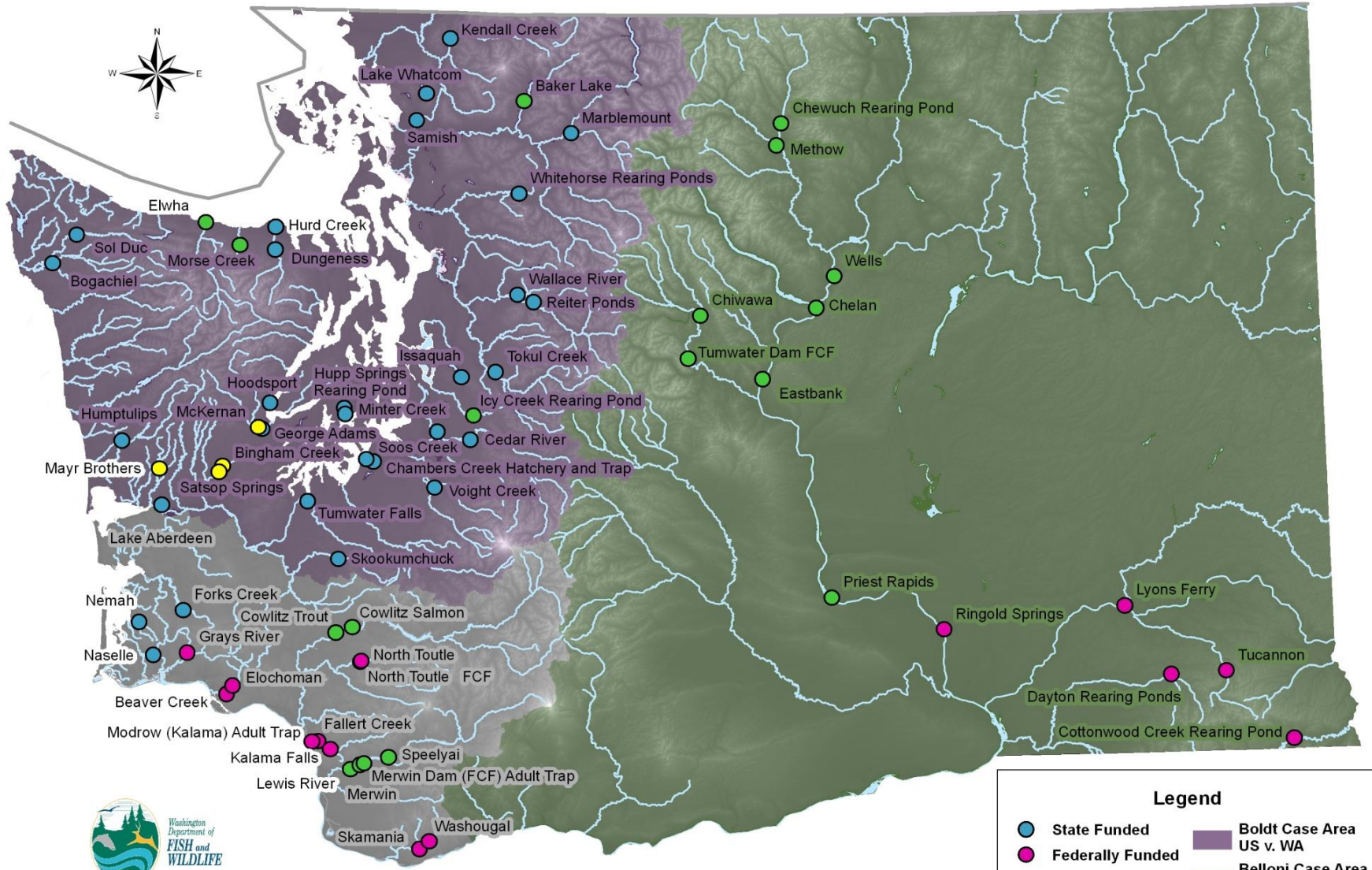
Treaty Rights of WA Tribes

Co-Management

- 29 Federally Recognized Tribes
- Steven's Treaties
- Court Decisions



Washington Department of Fish and Wildlife State - Tribal Salmon Management Agreement



Legend

| | |
|--|--|
| ● State Funded | Boldt Case Area US v. WA |
| ● Federally Funded | Belloni Case Area US v. OR |
| ● Locally Funded | |
| ● Other | |





Predation

Habitat - Stillaguamish Watershed





Skagit River Watershed





Fir Island Farm

Purchased in 1995 for snow
goose reserve

Dike removed in 2016, restoring 131
acres of estuary habitat for Chinook
salmon.

Hydro -Nooksack River Watershed



Questions?

