Private Lands Restoration Initiative

Coho Winter High Intrinsic Potential
Landscape Scale Conservation Action

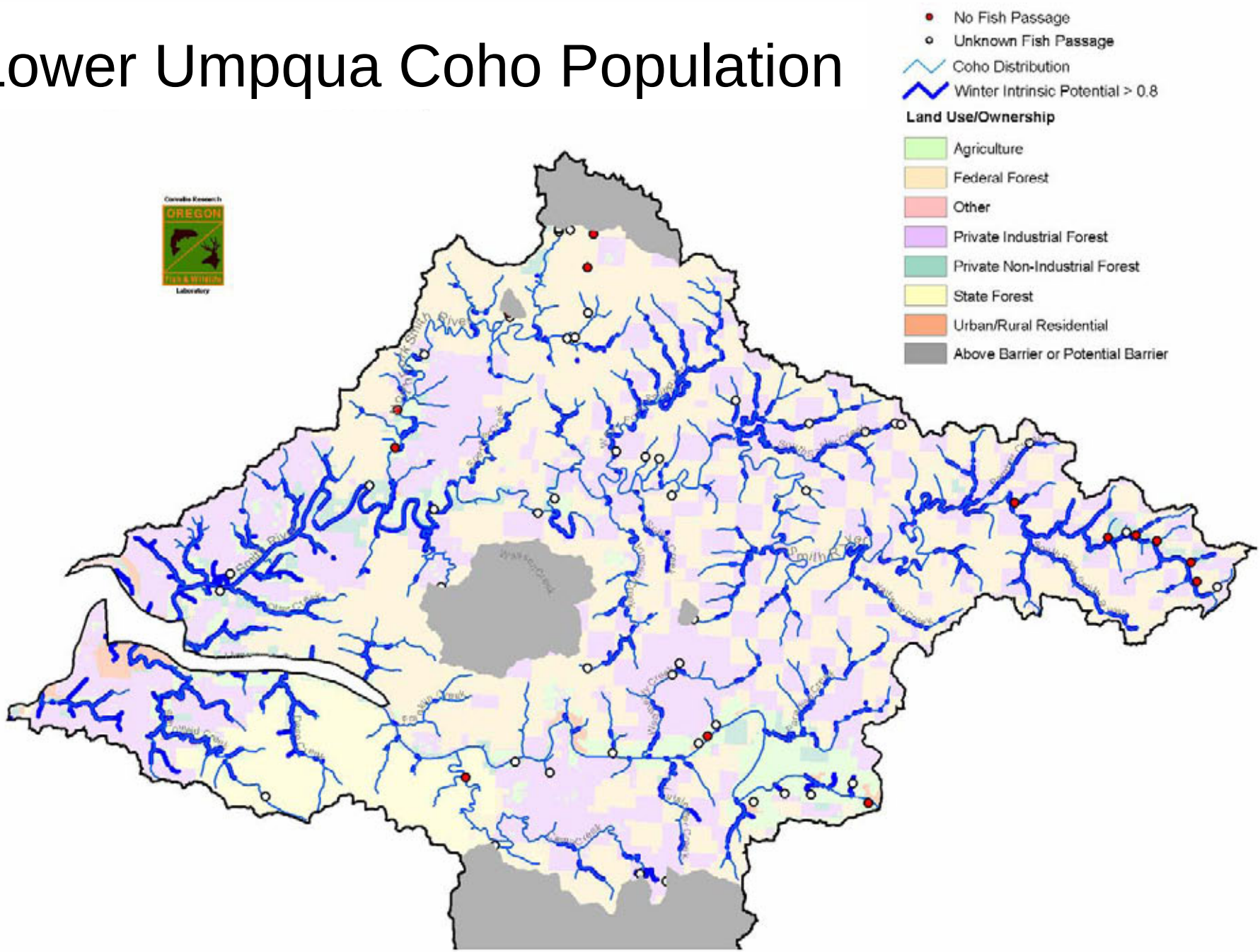
Coastal Oregon Streams

Limiting Factors
Coho Production Bottlenecks

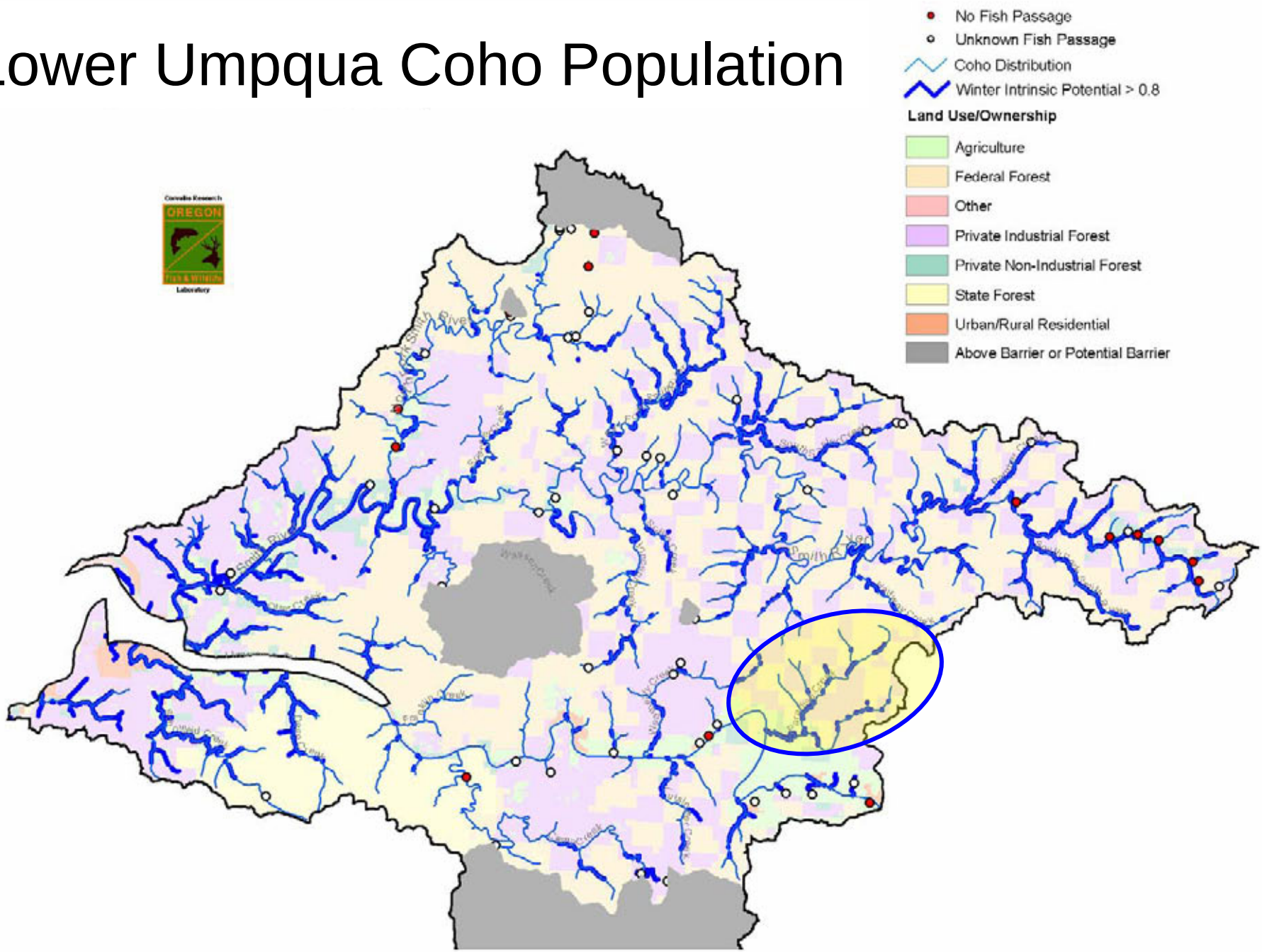
Many “Opportunities” and Places to Start

Improving instream complexity and stream channel – floodplain connectivity

Lower Umpqua Coho Population

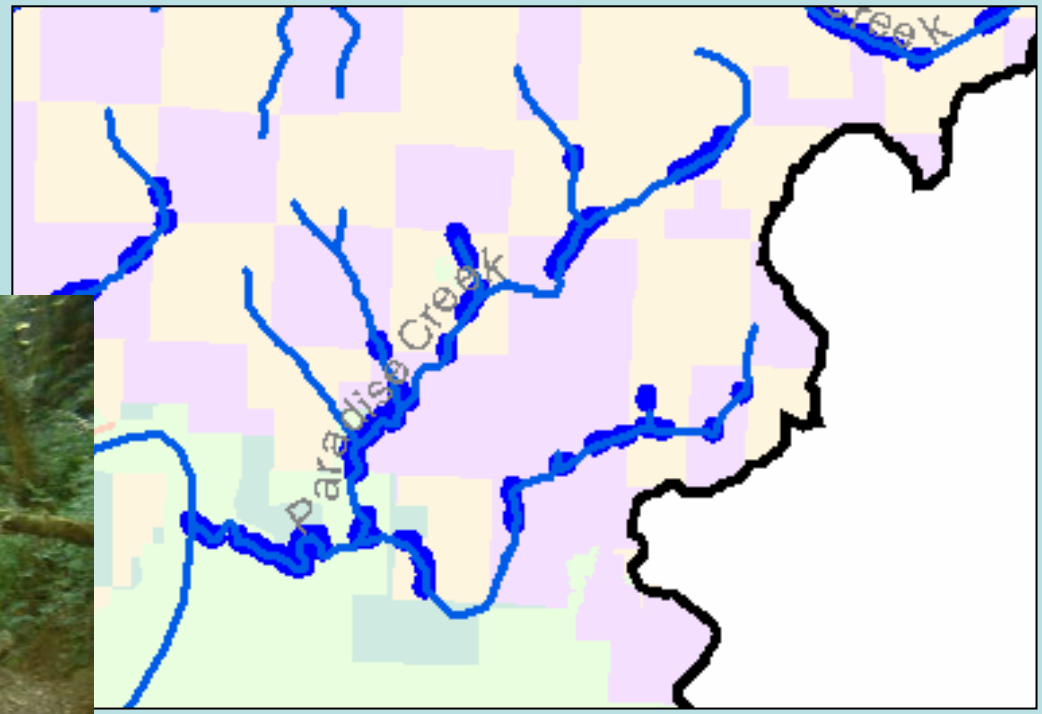


Lower Umpqua Coho Population



Paradise Creek Restoration Project

Lower Umpqua Coho Population



Information and Experience

OFIC, Private Timber, ODFW, & OWEB

Western Oregon Stream Restoration Project

*12-years Experience
* Building Partnerships & Trust
* Sharing Knowledge
* Cooperative Project Design
* Access to Funding Resources
* 100's of Projects Completed

ODFW

Aquatic Inventory Project (AIP)

Stream Habitat Surveys

Oregon Adult Spawner Inventory and Sampling (OASIS) Project

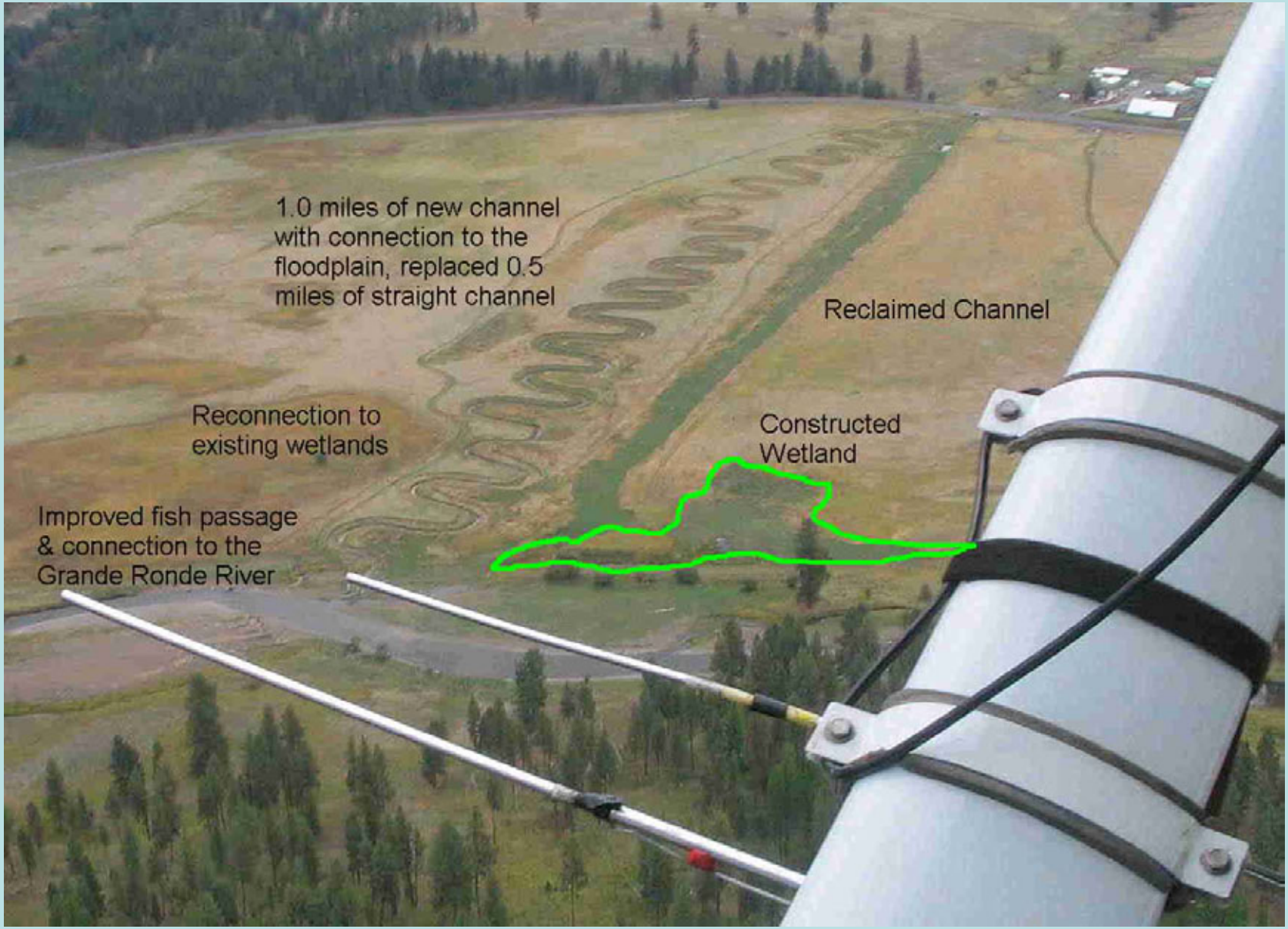
Spawner Abundance & Distribution

Process

- Form Local Planning Teams
- Identify “best” project locations
- Landowner Understanding, Acceptance, and Support
- Incentives and Funding
- Regulatory Assistance
- Project construction and maintenance
- R,M&E

Restoration Example: Bear Cr. Grande Ronde Basin

Prior restoration in Bear Cr. (log weirs and riparian fencing) did little to improve water quality, floodplain connectivity, vegetation or fish passage


1.0 miles of new channel with connection to the floodplain, replaced 0.5 miles of straight channel
Reclaimed Channel
Reconnection to existing wetlands
Constructed Wetland
Improved fish passage & connection to the Grande Ronde River

Coastal restoration experience
Good enough or just a good start?

Crab Creek – Alsea Coho Population

Restoration Sequence

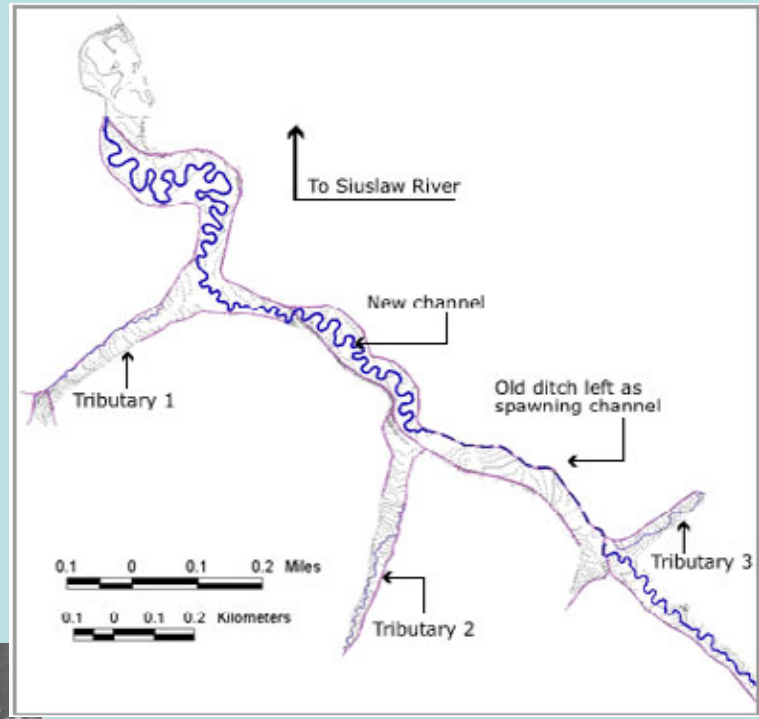
- Homestead converted to non-grazing use
- Vegetative Recovery
- Added In-stream Roughness
- Channel Recovery?

Tenmile Creek Restoration Project

Whole Stream and Valley Floor Projects

Can we do them on Private Lands?

What will it take?



Bailey Creek Enchanted Valley Mercer Lake

Before

After

Partners

Landowners
Watershed Councils
SWCD's
OFIC
Ag Organizations

OWEB
ODFW
ODA
ODF
USFS
BLM
OSU Extension
NRCS
Others?

Ecosystem Partners

Salmon

Beaver

Large Wood

Trees

Shrubs – Especially Willow

Working Hypotheses

1. Sustaining agricultural and forestry land uses can help support salmon recovery.

2. Agricultural and forest and land use practices can be compatible with recovery goals.

3. Non-regulatory management practices designed to accelerate salmon recovery will be supported for agricultural, forest and other private lands.

4. Active restoration projects that address near-term limiting factors and that help sustain key ecosystem processes will contribute to the success of the Conservation Plan