



ODFW's Perspective on Planning for Long-term Agricultural Water Supply in Oregon

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A man in a blue jacket, tan waders, and a cap is fishing in a river. The river has white water rapids. The background is a forest of birch trees with moss on the ground.

OUR MISSION

Protect and enhance Oregon's fish and wildlife and their habitats for *use and enjoyment* by present and future generations.

Fishing: 1 of 6 F's of Oregon Agriculture

- E.g., Commercial Fishery (2020)
 - Total Landings = ~340 Million Pounds
 - Total Harvest Revenue = \$152 Million



HABITAT, HABITAT, HABITAT

Good habitat is the *foundation of healthy*
fish and wildlife populations

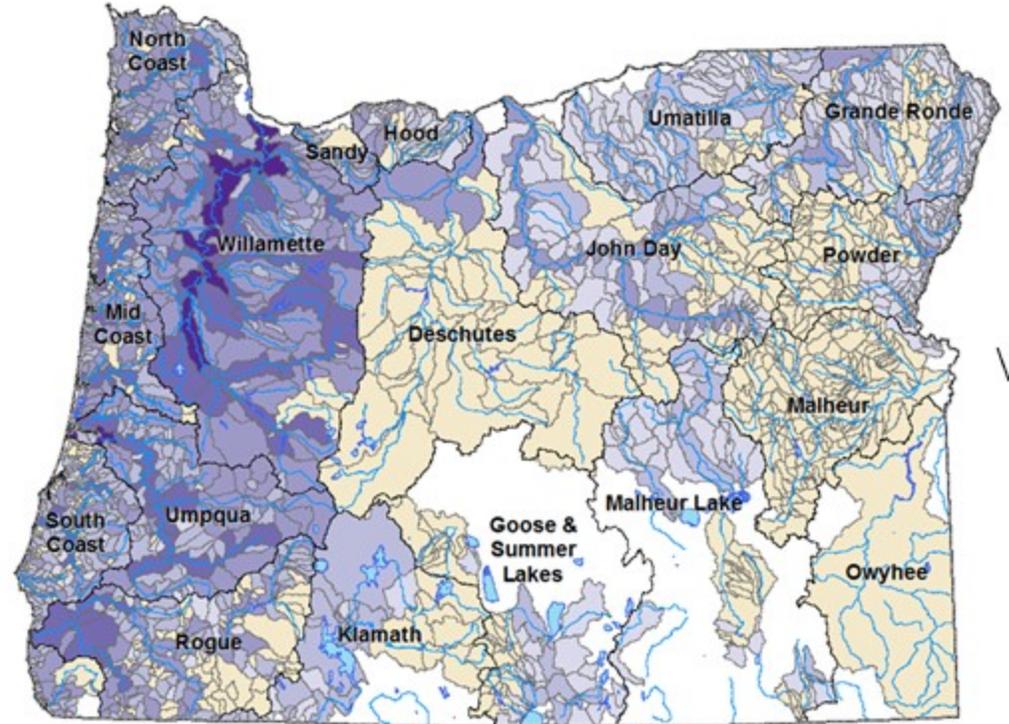
A LIMITED RESOURCE

NO WATER  MORE WATER

SUMMER



WINTER



A composite image of Earth from space. The Earth's surface is visible in shades of blue and white, with a bright orange and yellow light streak, resembling a comet or a solar flare, streaking across the sky from the right side. The background is a dark, starry space.

OUR CLIMATE
AND OCEAN
ARE CHANGING

The primary impact of climate/ocean change is to *undermine ability of habitat to support fish and wildlife*



More Flooding

Reduced summer flows

Increased stream drying

Hypoxia

More Rain

Loss of estuarine habitat

Less Snow

Increase in fire intensity

Stream warming

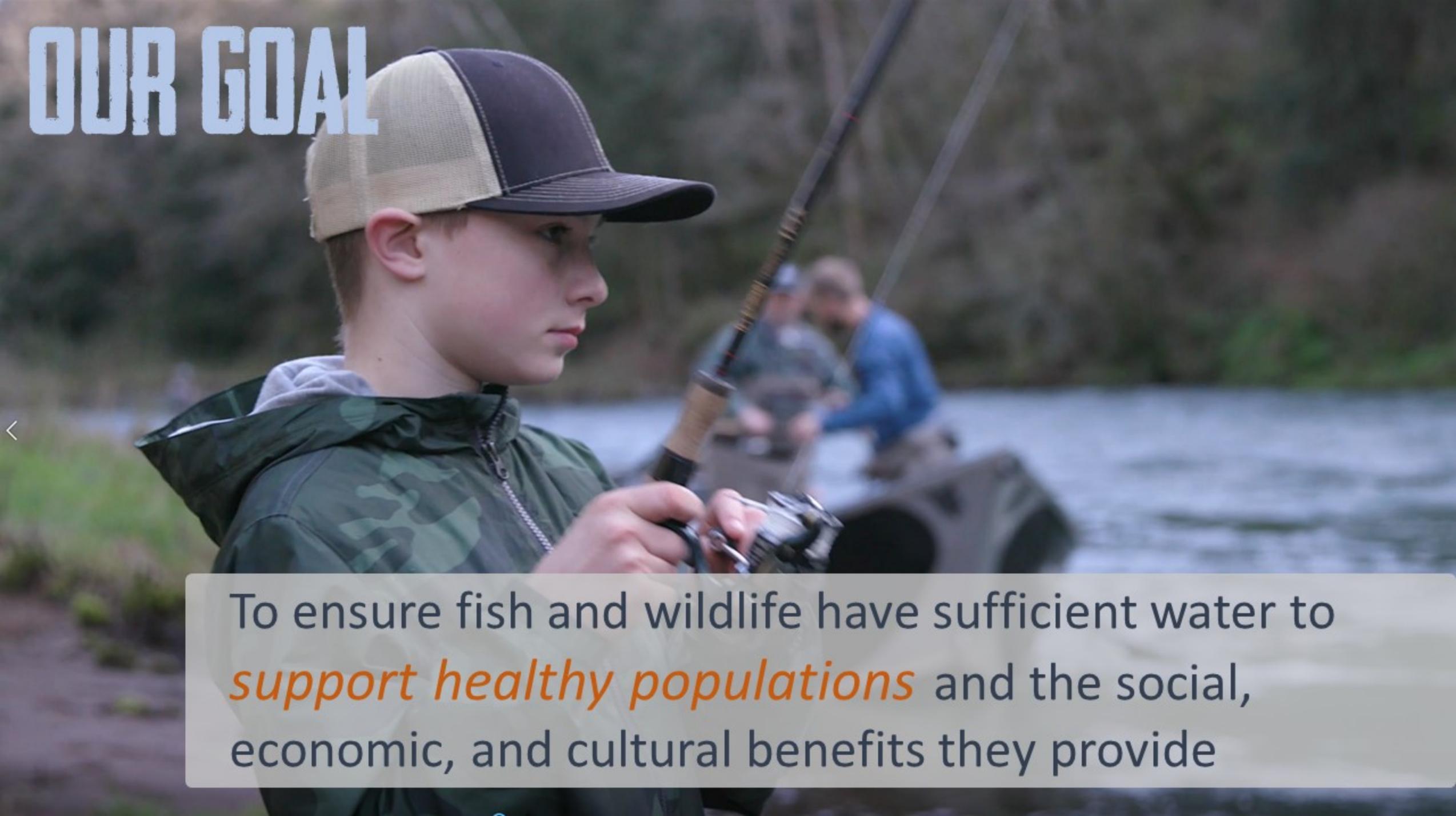
Sea level rise

Changing Ocean Currents

Reduced fall flows

Ocean warming

OUR GOAL

A young boy in a camouflage jacket and a tan and dark blue baseball cap is fishing on a river. He is holding a fishing rod and reel. In the background, other people are fishing from a boat on the river. The scene is outdoors with a forested background.

To ensure fish and wildlife have sufficient water to *support healthy populations* and the social, economic, and cultural benefits they provide



River Miles
15%
Have ISWR

CHALLENGES

1909

MAJORITY OF WATER CLAIMED

1955

MINIMUM PERENNIAL STREAMFLOW ACT

1987

1995

64% OF ISWR

2016

REFOCUS ON ISWR

PHOTO: PAUL VECSEI

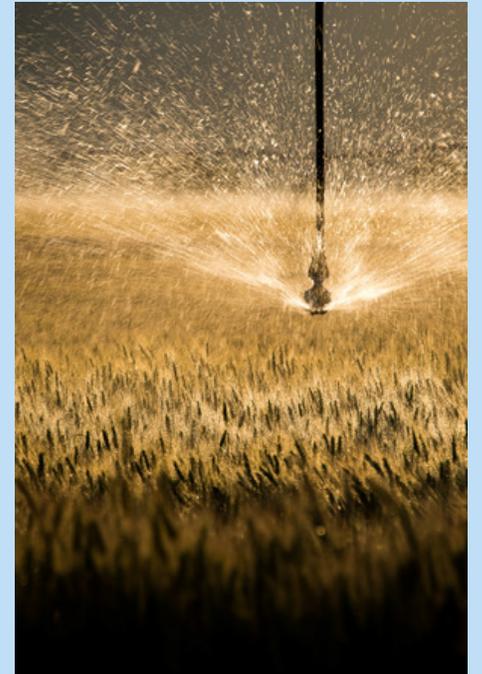
Water Supply Planning Tools

Place-based Planning

- Top tool, needs resources
- Partnerships with senior water right holders
- Integrated planning

Water Conservation/Modernization

- Funding priority projects with multiple benefits
 - Ensuring fish see the benefits
- Governor's 100-year Water Vision/Funding Strategy



Water Supply Planning Tools, continued

Instream Water Rights

- Junior status
- Real protections limited

Reservations

- ISWRs generally senior
- Site-specific analysis of benefits/impacts
 - “enhance instream values” and bypass flows
 - Division 33
- Seasonally Varying Flows (SB 839 grants)
- Financial and environmental cost of reservoirs



Water Supply Planning Tools, continued

Aquatic Habitat Prioritization

- New tool that may potentially ID areas where new water uses would be less harmful to fish and wildlife
- Guides mitigation to higher priority habitats
 - Species resiliency
- Coming soon...

