



Oregon's Integrated Water Resources Strategy

IWRS Policy Advisory Group Kick-Off Meeting

January 19, 2010



Oregon's Integrated Water Resources Strategy

Goals: understand and meet
Oregon's water resource needs...

...instream and out-of-stream

...quality, quantity, and ecosystem needs

...today and in the future

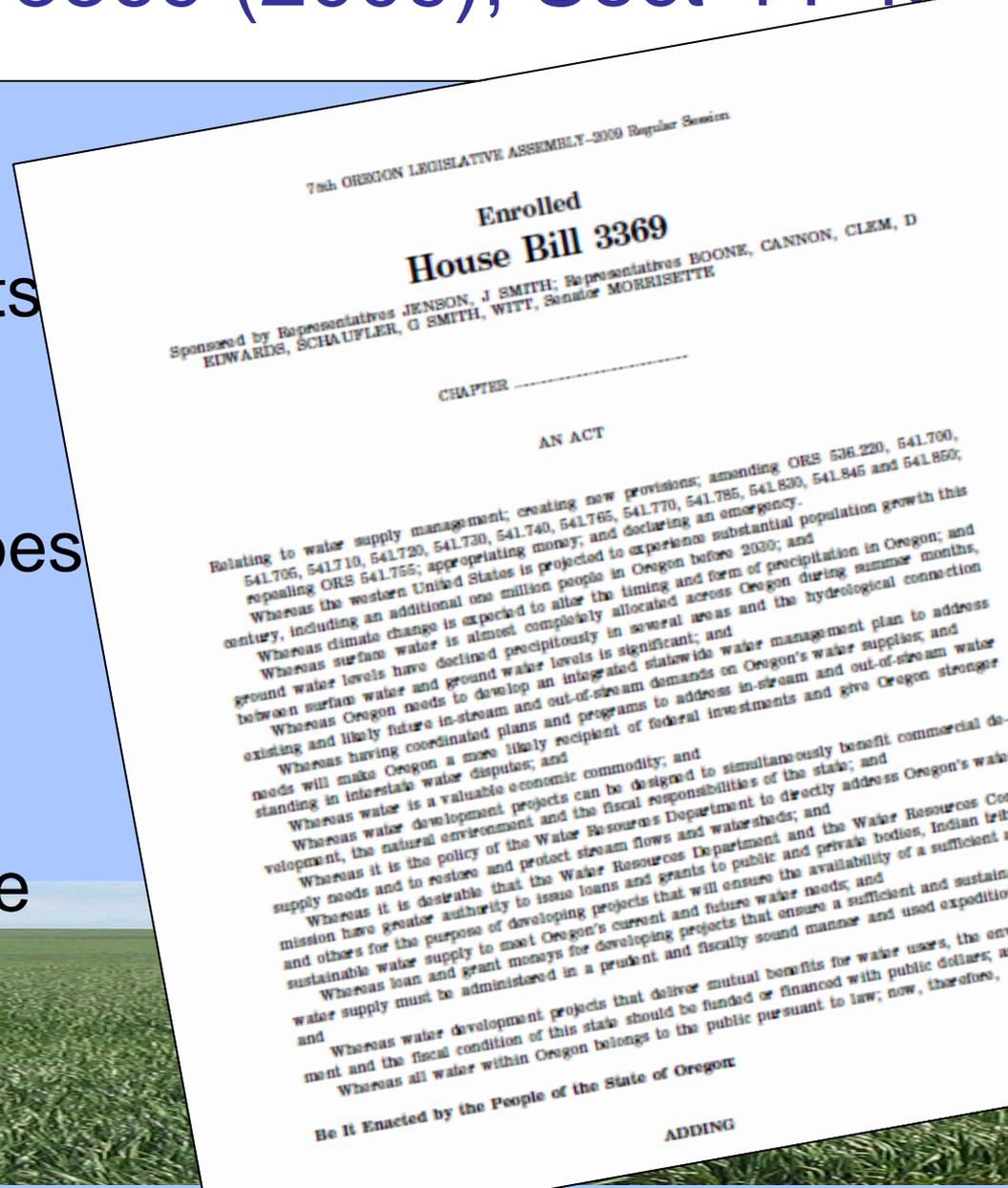


Statutory and Historic Foundation



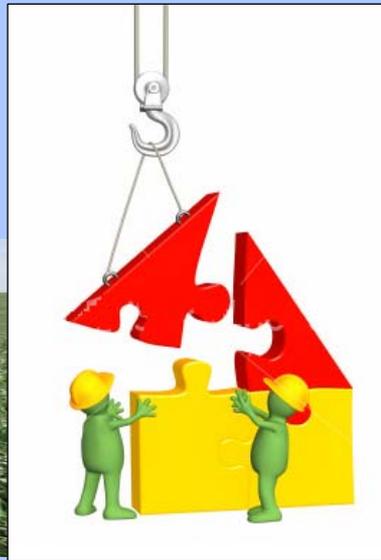
Oregon's House Bill 3369 (2009), Sect 44-45

- Directs Oregon Water Resources to lead efforts
- Partner with DEQ, ODFW, ODA
- And other agencies, tribes stakeholders, public
- Sets forth goals above
- Account for pressures, including climate change



Built on a Good Foundation

- Robust data sets in place (can always use more!)
- Experience planning for the future
- Solid body of federal and state laws in place
- Grants and loans for local communities
- Technical tools available for communities to use
- Well-informed stakeholders
- Strong local partnerships
- Strong inter-agency relationships



Defining a Strategy

**The Integrated Water Resources Strategy
will provide an “action agenda”
for the next five years.**



Vision and Goals

Vision:

A statewide integrated water resources strategy will bring various sectors and interests together to work toward the common purpose of maintaining healthy water resources to meet the needs of Oregonians and Oregon's environment for generations to come.

Goals:

- #1. Improve understanding of Oregon's water resource needs.**
- #2. Meet Oregon's water resource needs.**



Goals and Objectives

Goal #1: Improve understanding of Oregon's water resource needs

Objective 1: ...instream needs

Objective 2: ...out-of-stream needs

Objective 3: ...water resources today

Objective 4: ...pressures that could affect needs

Objective 5: ...pressures that could affect access to clean and reliable water resources

Goal #2: Meet Oregon's water resource needs

Objective 6: Improve water resource health

Objective 7: Improve economic certainty and cultural access



Goals, Objectives and Recommended Actions

Goal #1: Improve understanding of Oregon's water resource needs

Objective 1: ...instream needs...recommended action

Objective 2: ...out-of-stream needs...recommended action

Objective 3: ...water resources today...recommended action

Objective 4: ...pressures that could affect needs...recommended action

Objective 5: ...pressures that could affect access to clean and reliable water resources...recommended action

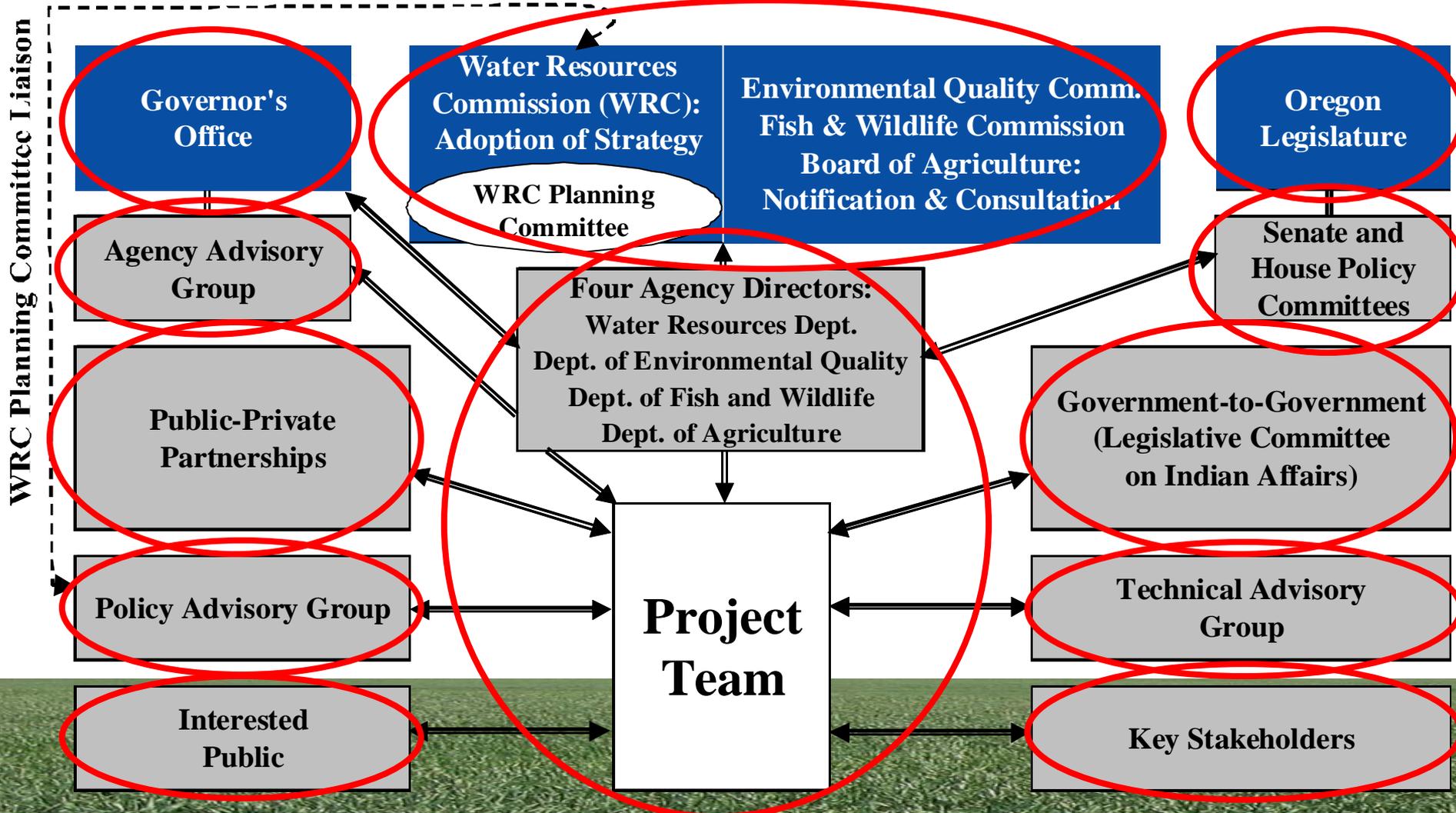
Goal #2: Meet Oregon's water resource needs

Objective 6: Improve water resource health...recommended action

Objective 7: Improve economic certainty & cultural access...rec. action

**Use the following framework:
Info/Data, Planning Efforts, Public Policy,
Statute/Rule, Funding, Education/Outreach**

Roles and Responsibilities



Project Team

- Brenda Bateman, Proj. Manager, Water Resources Dept.
- Christine Svetkovich, Dept. of Environmental Quality
- Bruce McIntosh & Rick Kepler, Dept. of Fish and Wildlife
- Ray Jaindl & Brent Searle, Dept. of Agriculture
- Alyssa Mucken, Policy Coordinator (WRD)
- Ken Stahr, Science Coordinator (WRD)
- Ryan Vanden Brink, Policy Intern (WRD)

Agency Advisory Group

- Water Resources Department
- Department of Environmental Quality
- Department of Fish and Wildlife
- Department of Agriculture
- Department of Energy
- Dept. of Land Conservation & Development
- Department of Forestry
- Dept. of Geology & Mineral Industries
- Dept. of Housing & Community Services
- Parks & Recreation Department
- Business Development Department
- Department of State Lands
- Department of Transportation
- Watershed Enhancement Board
- Dept. of Human Services - Drinking Water Program
- Economic Revitalization Team
- Environmental Justice Task Force
- Oregon Plan for Salmon & Watersheds – Core Team

Policy Advisory Group

- **Glenn Barrett**
Barrett Livestock, Bonanza, Oregon
- **Mike Campbell**
Stoel Rives LLP Attorneys at Law
- **Jay Chamberlin**
District Manager, Owyhee Irrigation District
- **John DeVoe**
WaterWatch of Oregon
- **Dennis Doherty**
Umatilla County
- **Bill Gaffi**
Clean Water Services
- **Patrick Griffiths**
City of Bend
- **Todd Heidgerken**
Tualatin Valley Water District
- **Tod Heisler**
Deschutes River Conservancy
- **Teresa Huntsinger**
Oregon Environmental Council
- **Tracey Liskey**
Co-Owner, Liskey Farms
- **Peggy Lynch**
League of Women Voters of Oregon
- **Janet Neuman**
Lewis & Clark Law School
- **Eric Quaempts**
Confederated Tribes of the Umatilla Indian Reservation
- **Mike Seppa**
Retired Dairy Farmer, Seppa Dairy Co.
- **Lorna Stickel**
Portland Water Bureau and
Regional Water Providers Consortium
- **Richard Wells**
Monrovia Growers – Oregon
- **Joe Whitworth**
The Freshwater Trust

Process and Timeline

Phase I: Setting the Stage (Fall 2009)	Phase II: Identifying Water Resource Needs (Spring 2010)	Phase III: Developing Recommended Actions (2010-2011)	Phase IV: Producing Oregon's 1st Strategy (2012)	Phase V: Project Implement. (2012)

Process, Venues, Timeline for PAG

Please see Workplan Appendix B.



A View of the Final Product

- **Foreword, Overview, and Background Sections**
- **Action Agenda**
 - **Discussion of the objectives**
 - **Background on each, taken from the issue papers**
 - **Any technical work developed as part of the project**
 - **Description of the options considered and recommendations made**
- **Appendices**
 - **Agency information**
 - **Sources of input and methodologies**
 - **Sample plans from other states**
 - **Examples of local water resource successes**



“Discussion”

Please visit:

www.wrd.state.or.us

or contact:

waterstrategy@wrd.state.or.us



Oregon's Integrated Water Resources Strategy

Afternoon Session:

Issue Papers and Public Involvement Plan

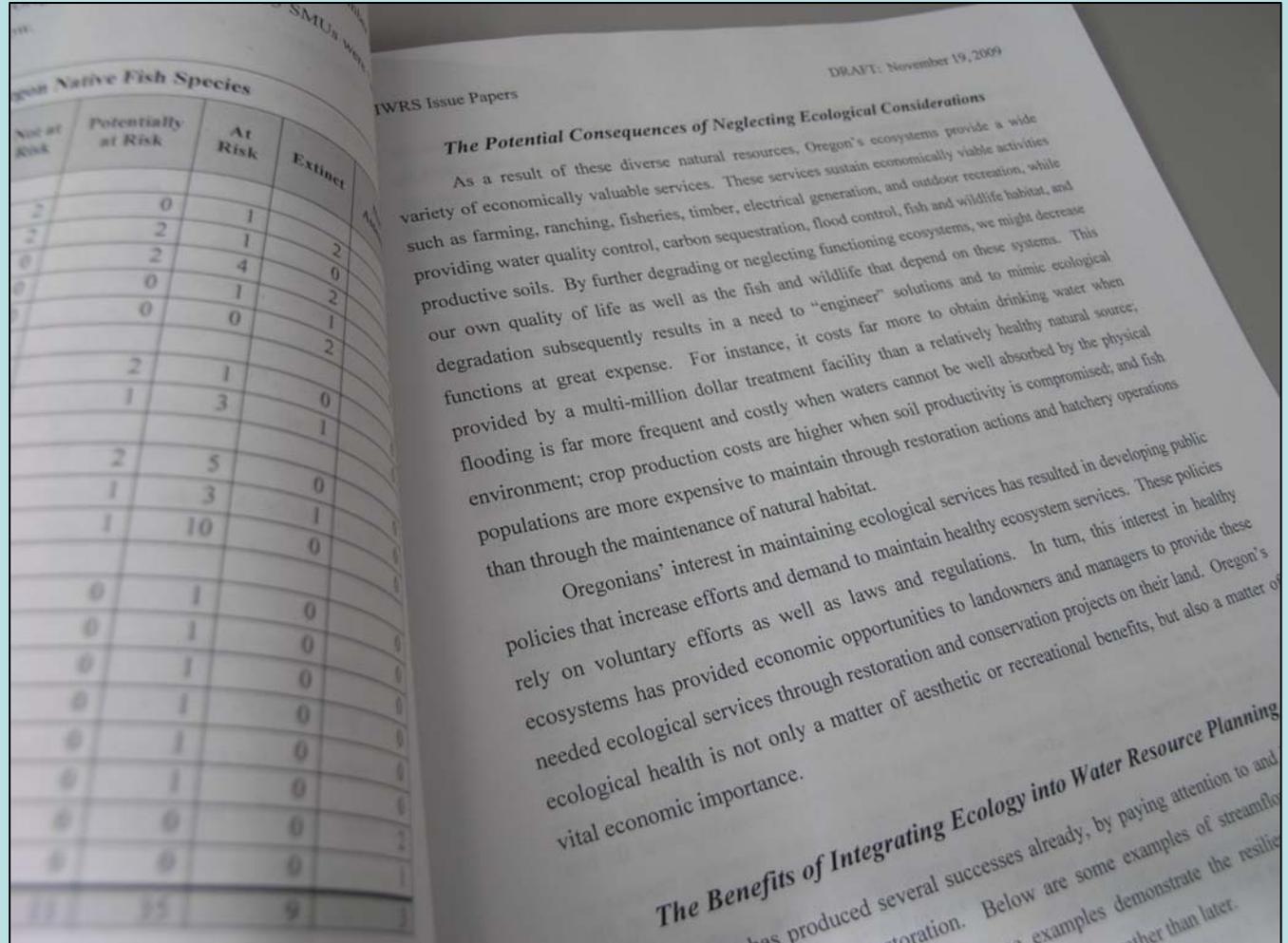
January 19, 2010



Issue (Background) Papers

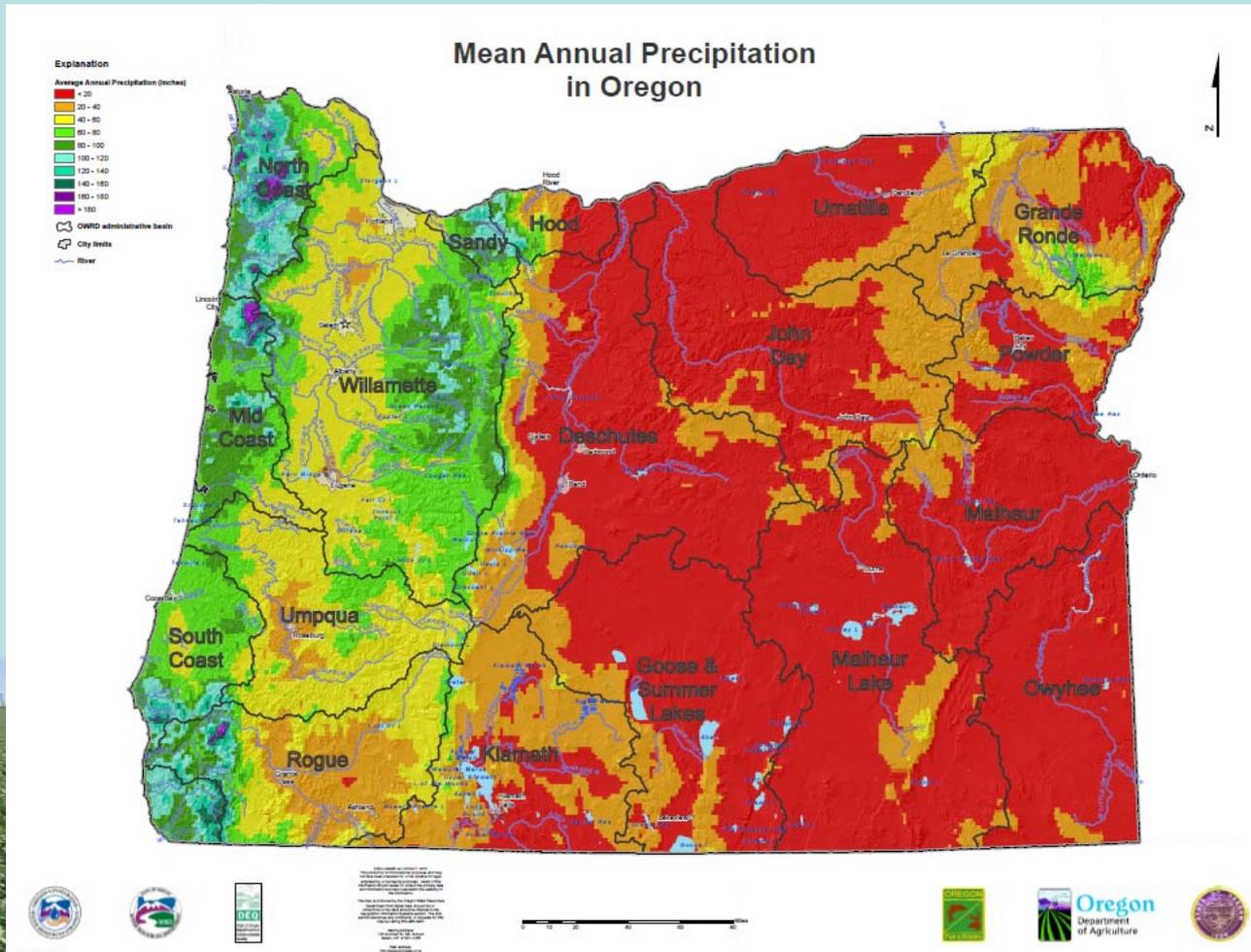
- Overview
- Water Quantity
- Water Quality
- Economy
- Ecosystems & Ecology
- Social/Cultural
- Climate Change

Taking public comment...



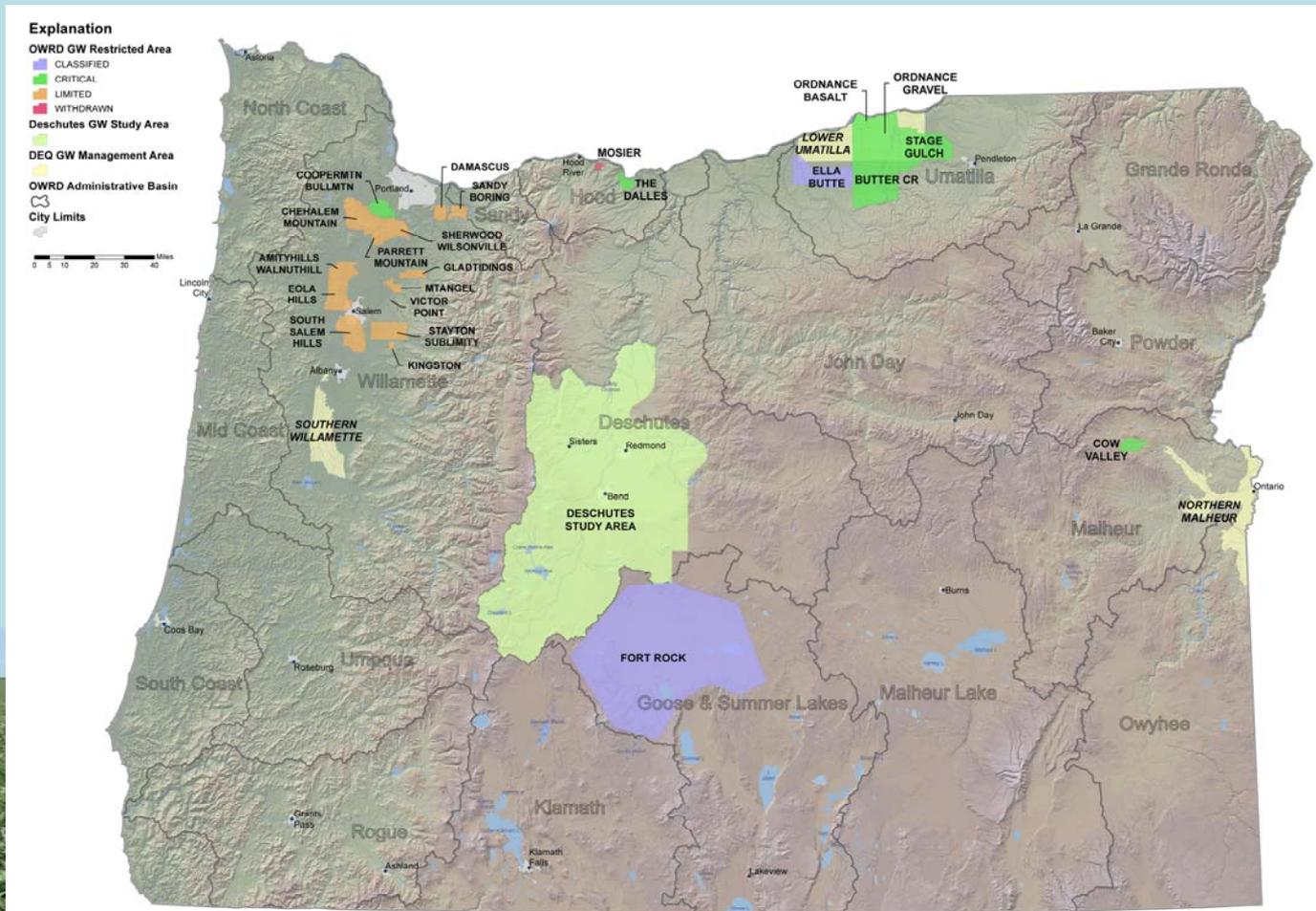
Water Quantity Chapter

- Facing water scarcity today (precipitation)



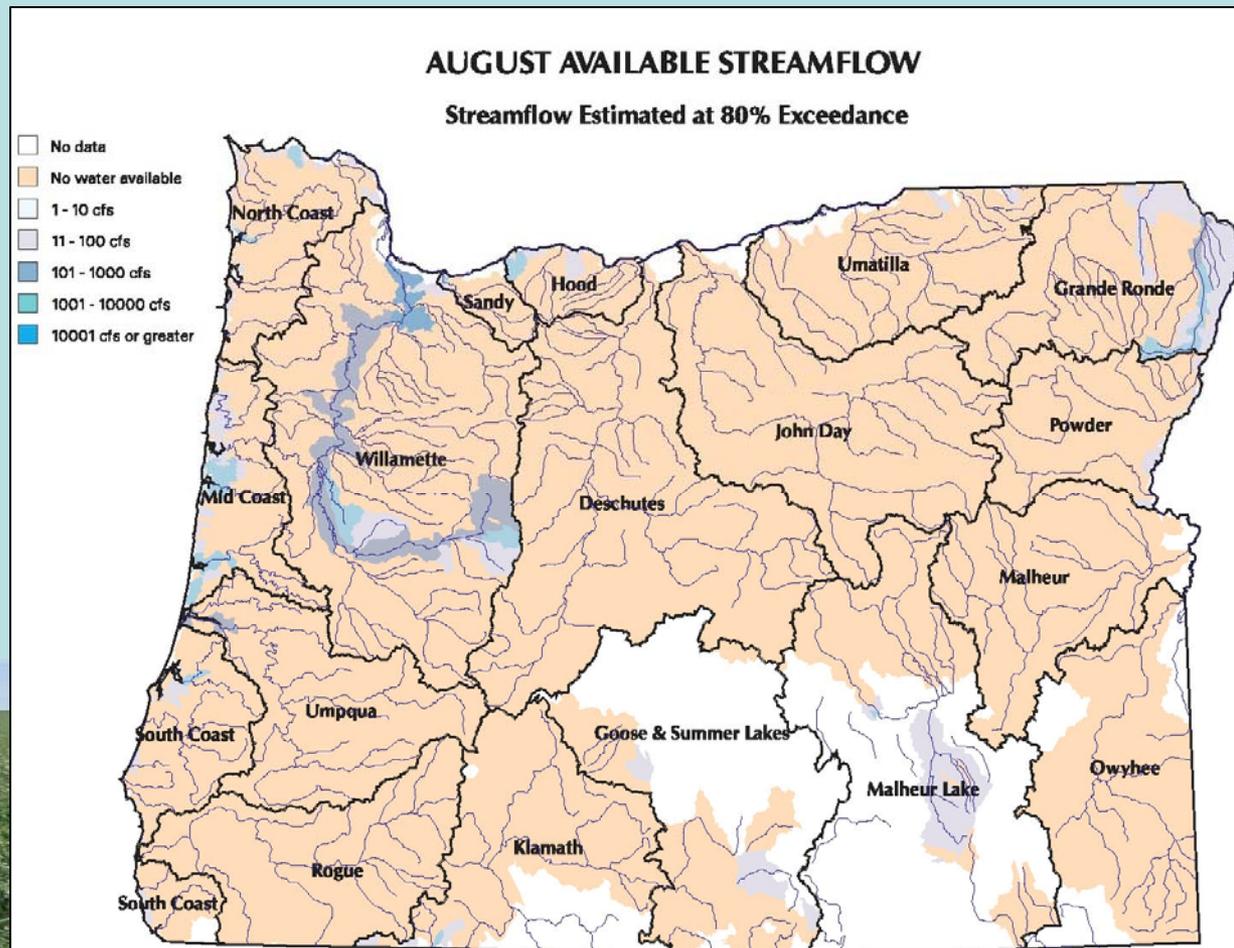
Water Quantity Chapter

- Facing water scarcity today (groundwater supply)



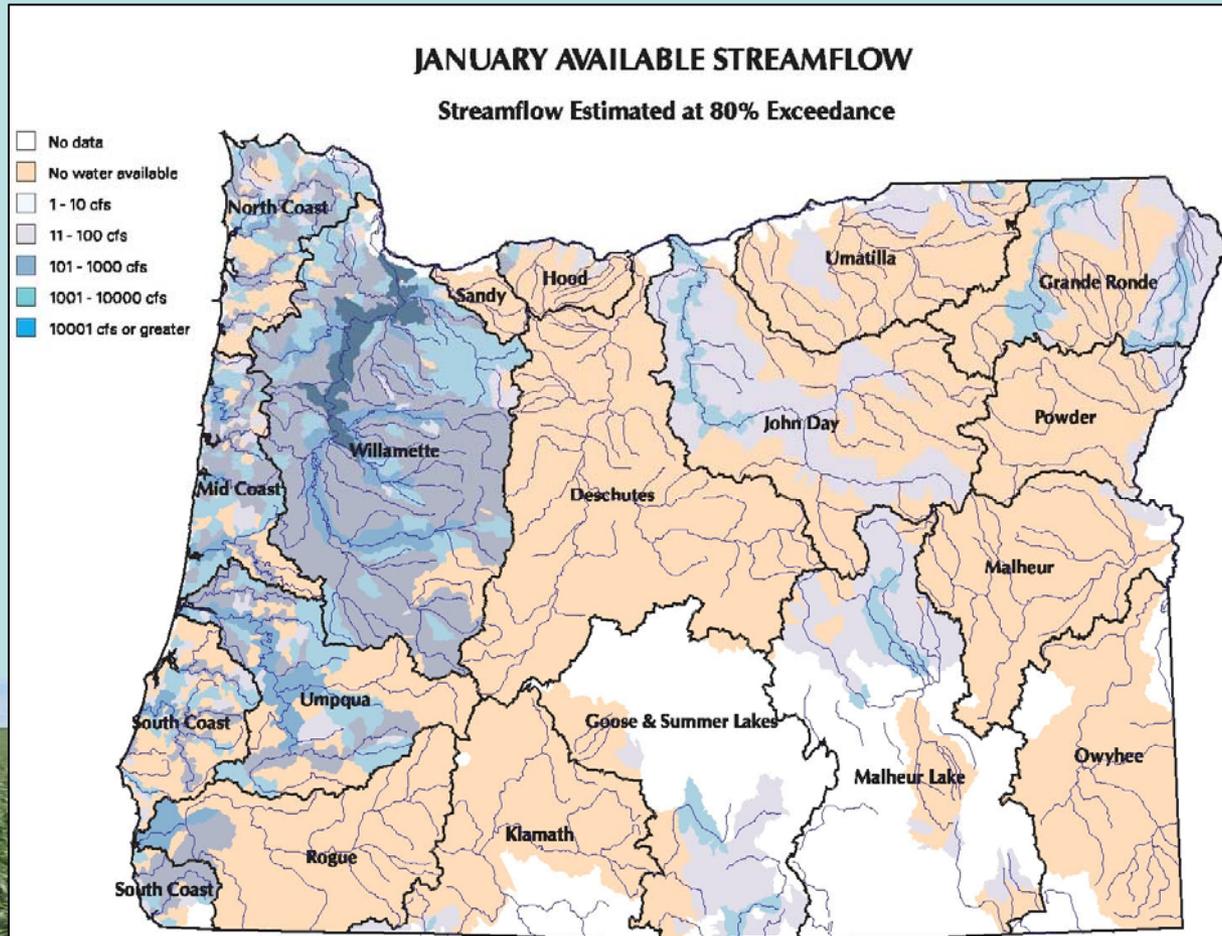
Water Quantity Chapter

- Facing water scarcity today (surface water supply)



Water Quantity Chapter

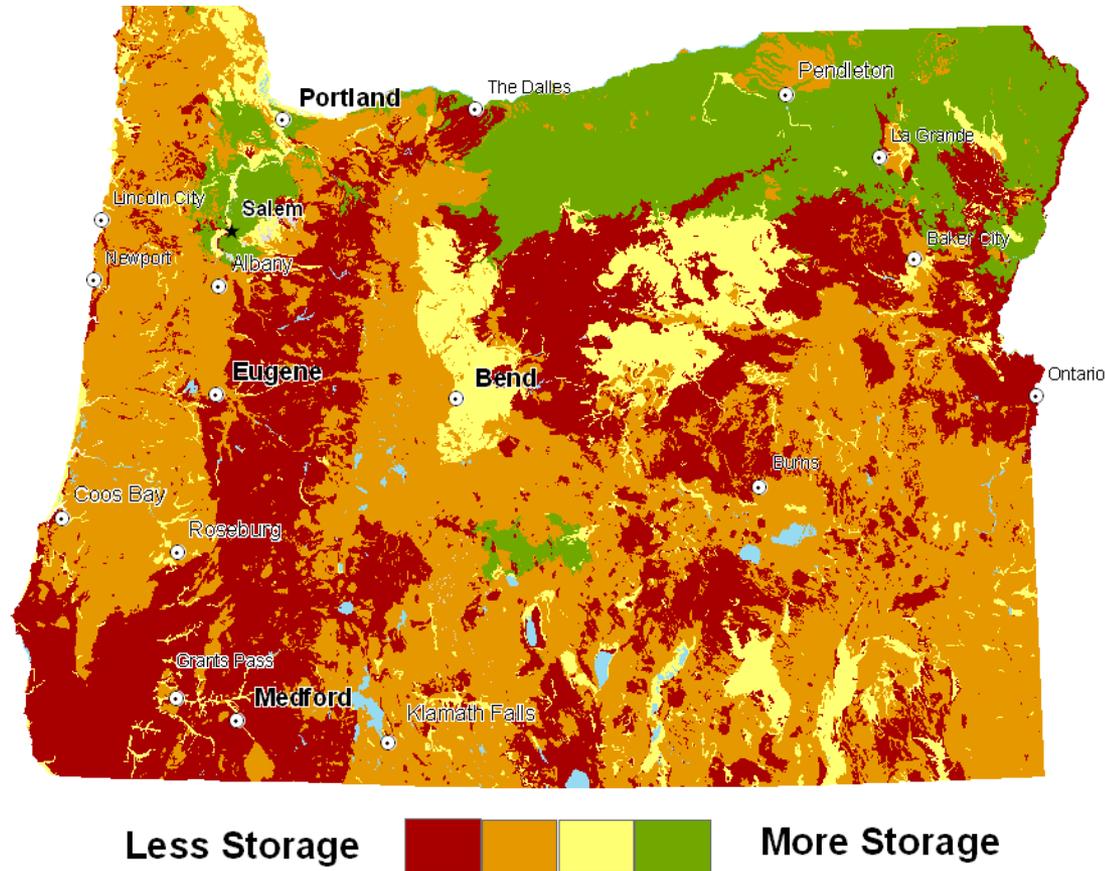
- Oregon has very real opportunities for solutions



Water Quantity Chapter

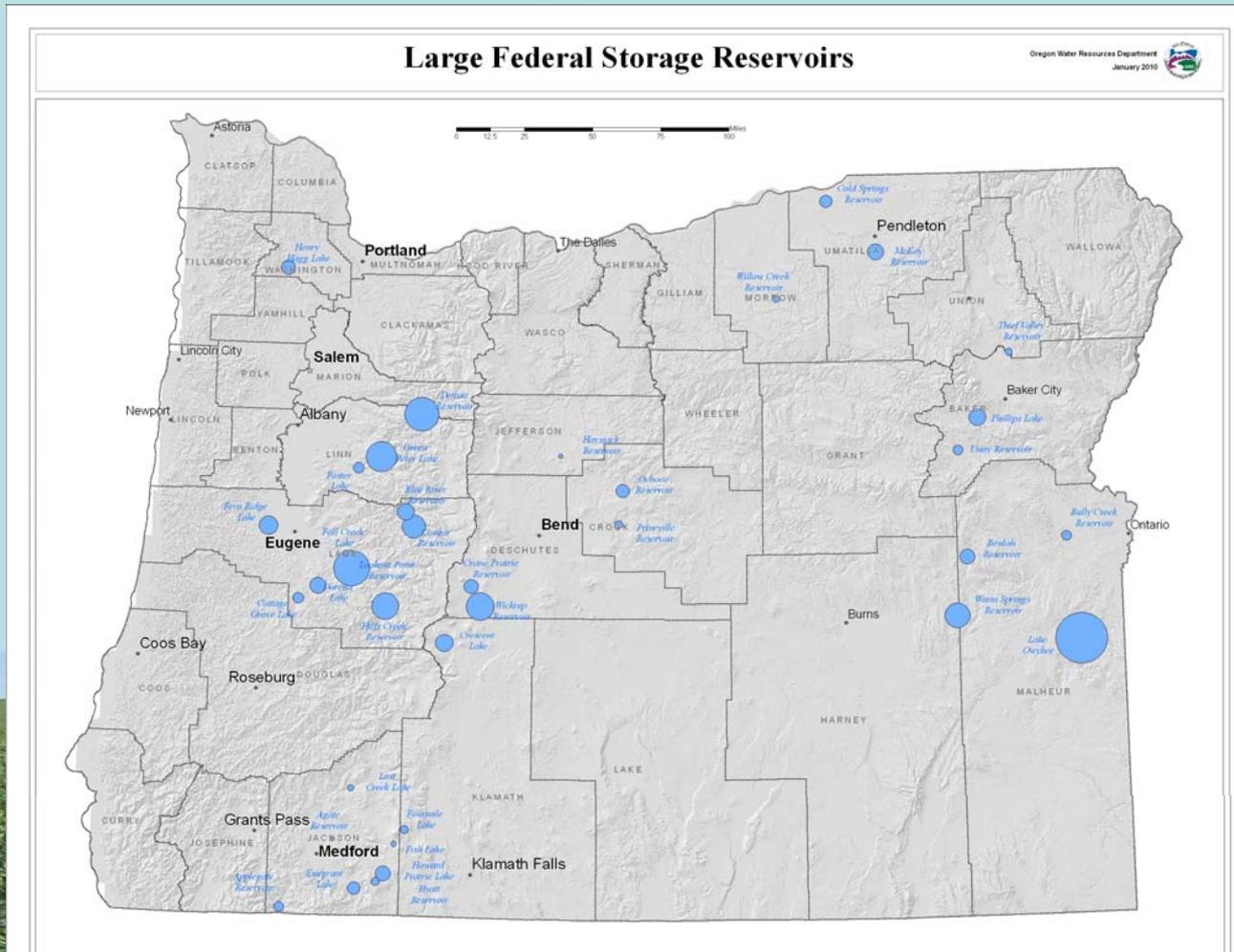
- Oregon has very real opportunities for solutions

Geologic Suitability for Underground Storage



Water Quantity Chapter

- Oregon has very real opportunities for solutions

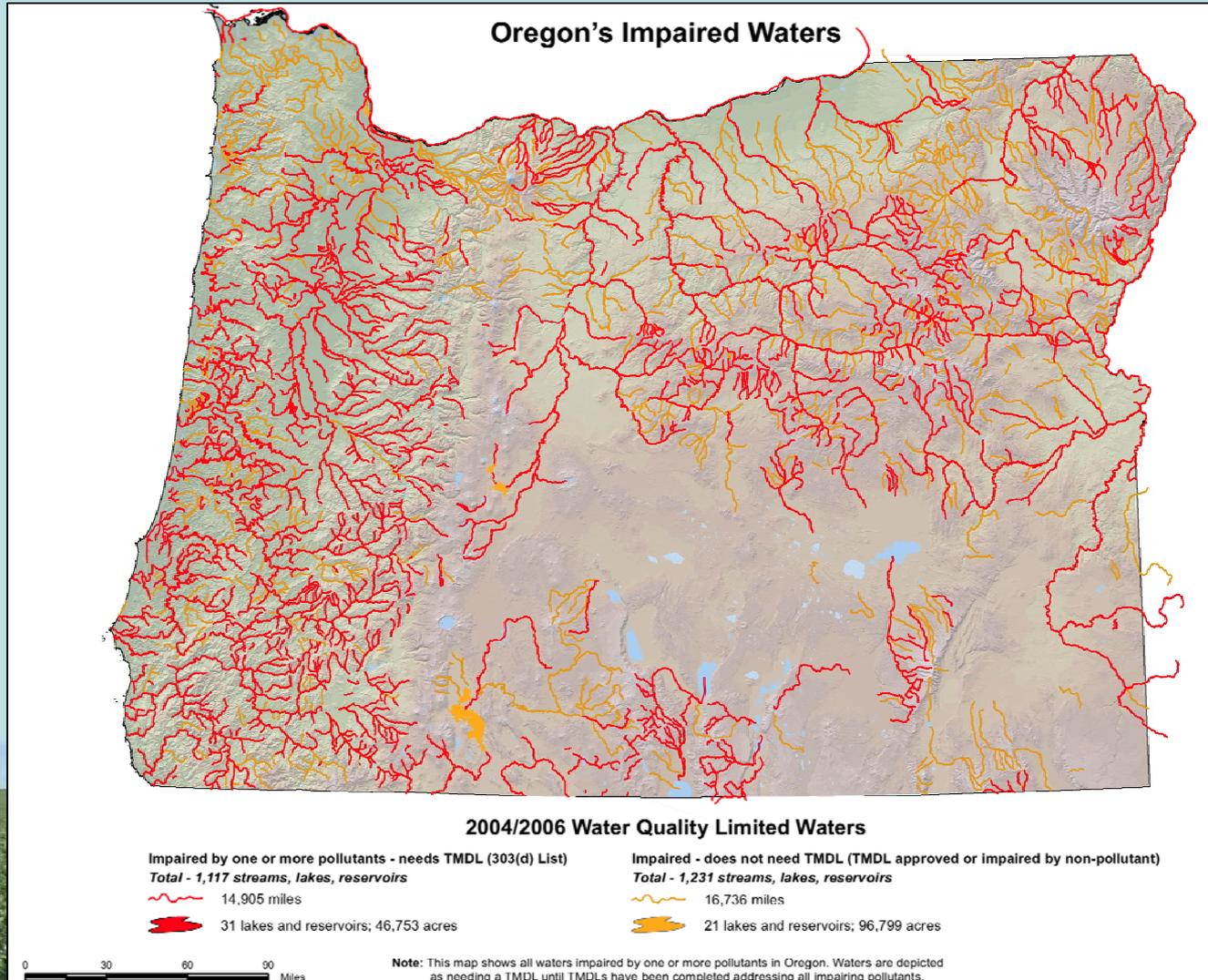


Water Quantity Chapter

- **Oregon has very real opportunities for solutions**
 - ✓ **Conservation / Water Efficiency**
 - ✓ **Recycled Water**
 - ✓ **Water Treatment Technologies**
 - ✓ **And More...**



Water Quality Chapter



Water Quality Chapter

Pressures are growing:

- **increasingly strict water quality standards**
- **emerging contaminants**
- **stormwater effects**
- **protection of drinking water sources**
- **land use changes**
- **deteriorating infrastructure**
- **climate change ~ increase in water temperature**

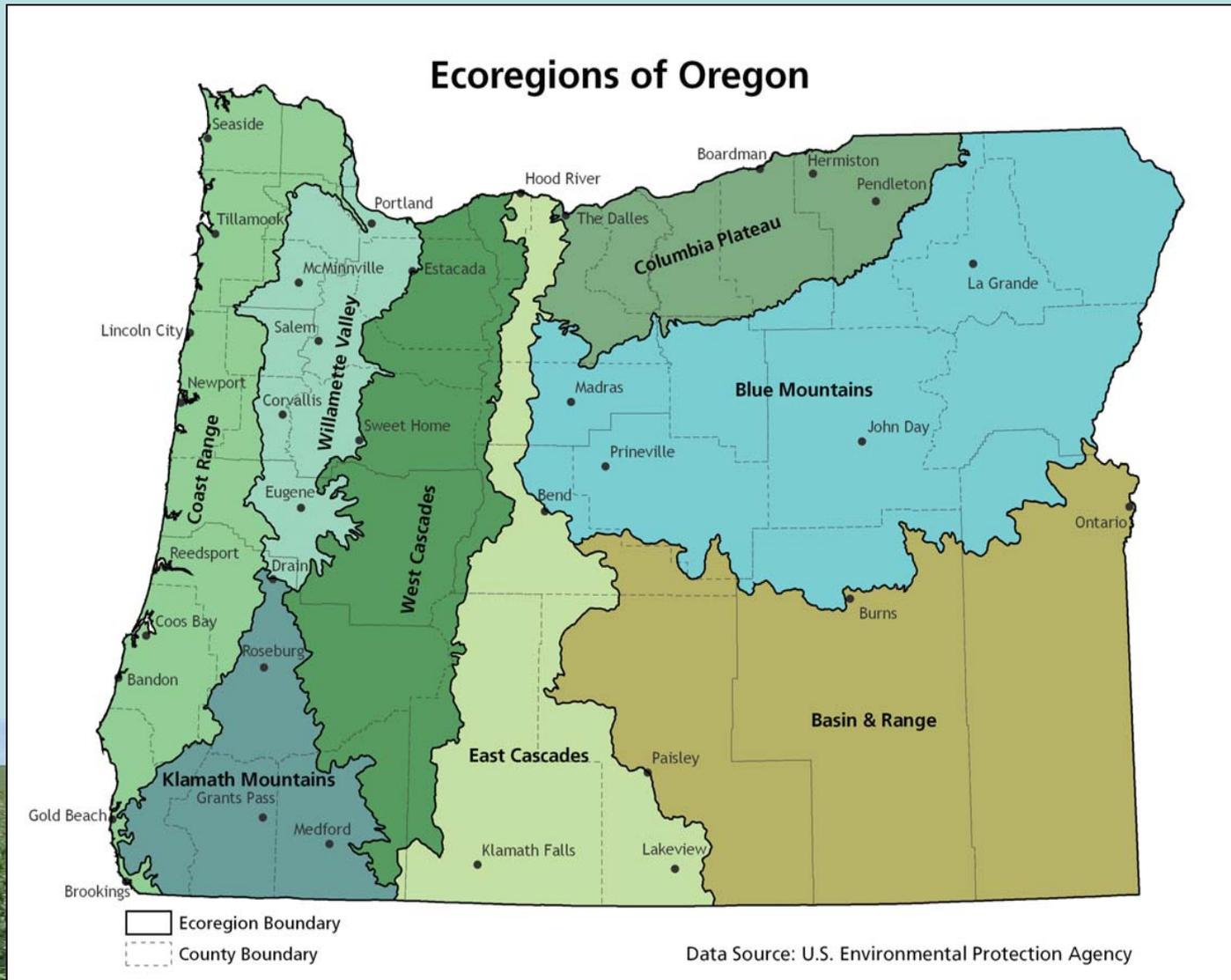


Water Quality Chapter

- **Oregon has very real opportunities for solutions:**
 - ✓ **Encourage use of recycled water**
 - ✓ **Graywater programs**
 - ✓ **Stormwater management**



Ecology & Ecosystems Chapter



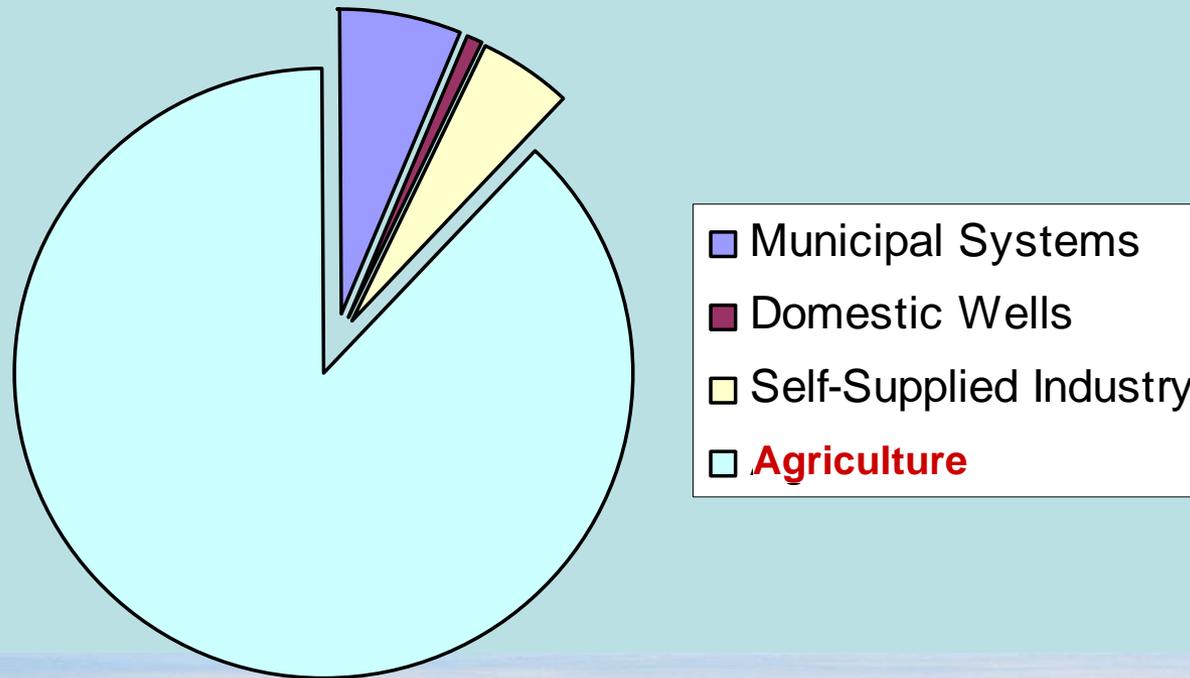
Ecology & Ecosystems Chapter

- **Oregon has very real opportunities for solutions:**
 - ✓ **Flow restoration programs**
 - ✓ **Fish recovery programs**
 - ✓ **Wetlands, forest lands, floodplain management**



Economy Chapter

Today's Consumptive Demands by Sector



Working with natural resource agencies to better understand the “value” of water in each industry.

Economy Chapter

“A sustainable, economically viable supply of water for present and future agriculture industry growth is a top priority among agricultural interests.”

--informal survey of agricultural interests by Oregon Board of Agriculture



Economy Chapter

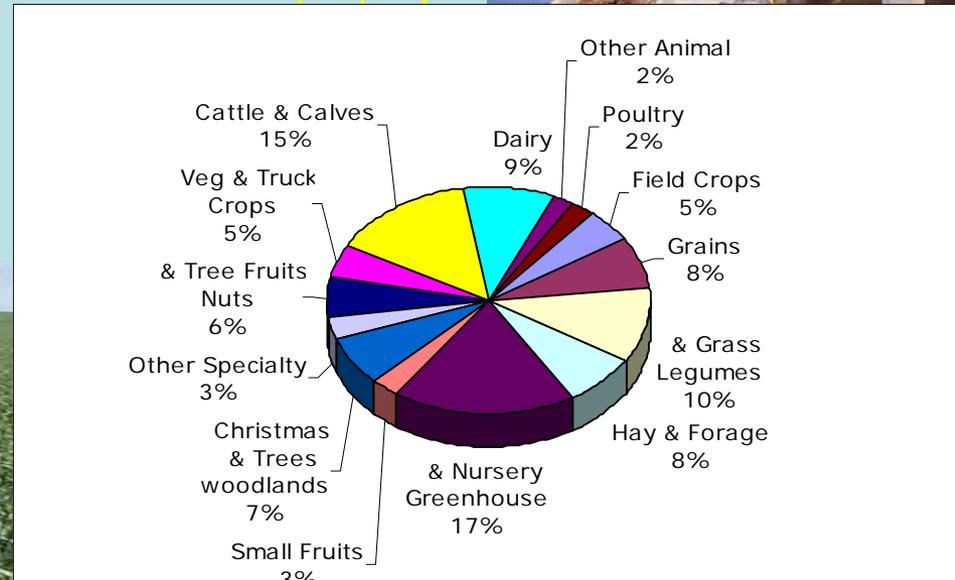
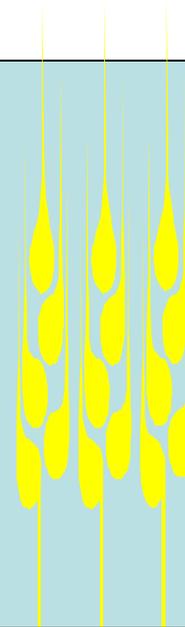
- One of every 10 jobs in Oregon is associated with the agriculture/food industries.
- Agriculture generates \$25.8 billion to Oregon's economy -- 10% of the state's economic activity.

“Oregon Agriculture and the Economy,” OSU Rural Studies Special Report 1080, February 2008,



Economy Chapter

- 80% of Oregon's ag production leaves the state.
- 40% of Oregon's ag production leaves the country.
- Oregon growers produce more than 220 commodities.



Economy Chapter

Agriculture Needs Water:

- Oregon's summers are dry—everywhere in the state.
- Nearly 45% of Oregon farms irrigate.
- 62% of harvested cropland acres are irrigated.
- Nearly 80% of the value of Oregon's harvested crops come from irrigated farms.

2002-03 Irrigation Census of Agriculture, U.S. Department of Agriculture,



Economy Chapter

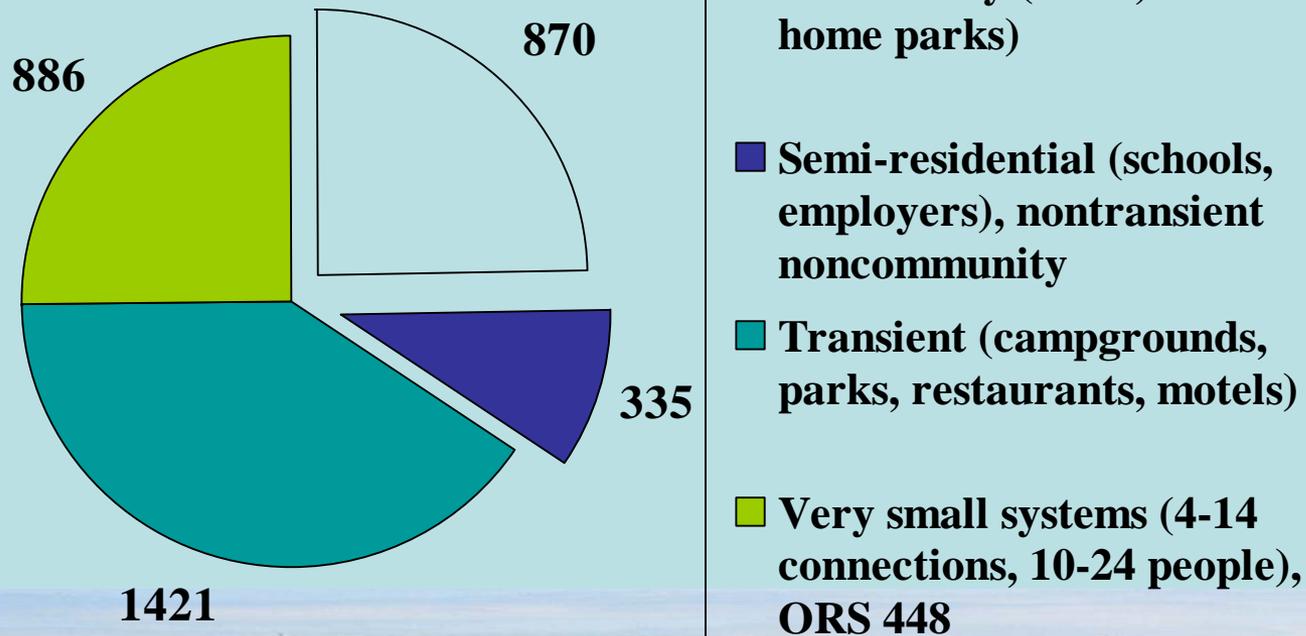
- **Oregon has very real opportunity for Ag-related solutions:**
 - ✓ **Conservation / Water Efficiency**
 - ✓ **Reuse (recycled) Water**
 - ✓ **Aquifer Recharge and Recovery**
 - ✓ **Water Right Transfers**
 - ✓ **Interstate Partnerships (Columbia River, etc.)**

Economy Chapter

- **The Project Team and Governor's Office have been conducting interviews at OBDD to get similar statistics from other Oregon businesses about the value of water to their economic health.**
- **Other agencies (Oregon Dept. of Energy, Dept. of Forestry, Dept. of Fish and Wildlife) are also developing information to demonstrate the value of having water instream for energy, navigation, forestry, and commercial fisheries.**

Cultural, Public Health, and Environmental Justice Chapter

3,512 total public water systems



Cultural, Public Health, and Environmental Justice Chapter

Environmental justice is equal protection from environmental and health hazards, and meaningful public participation in decisions that affect the environment in which people live, work, learn, practice spirituality and play.

Environmental justice communities include minority and low income communities, tribal communities, and other communities traditionally underrepresented in public processes.



Cultural, Public Health, and Environmental Justice Chapter

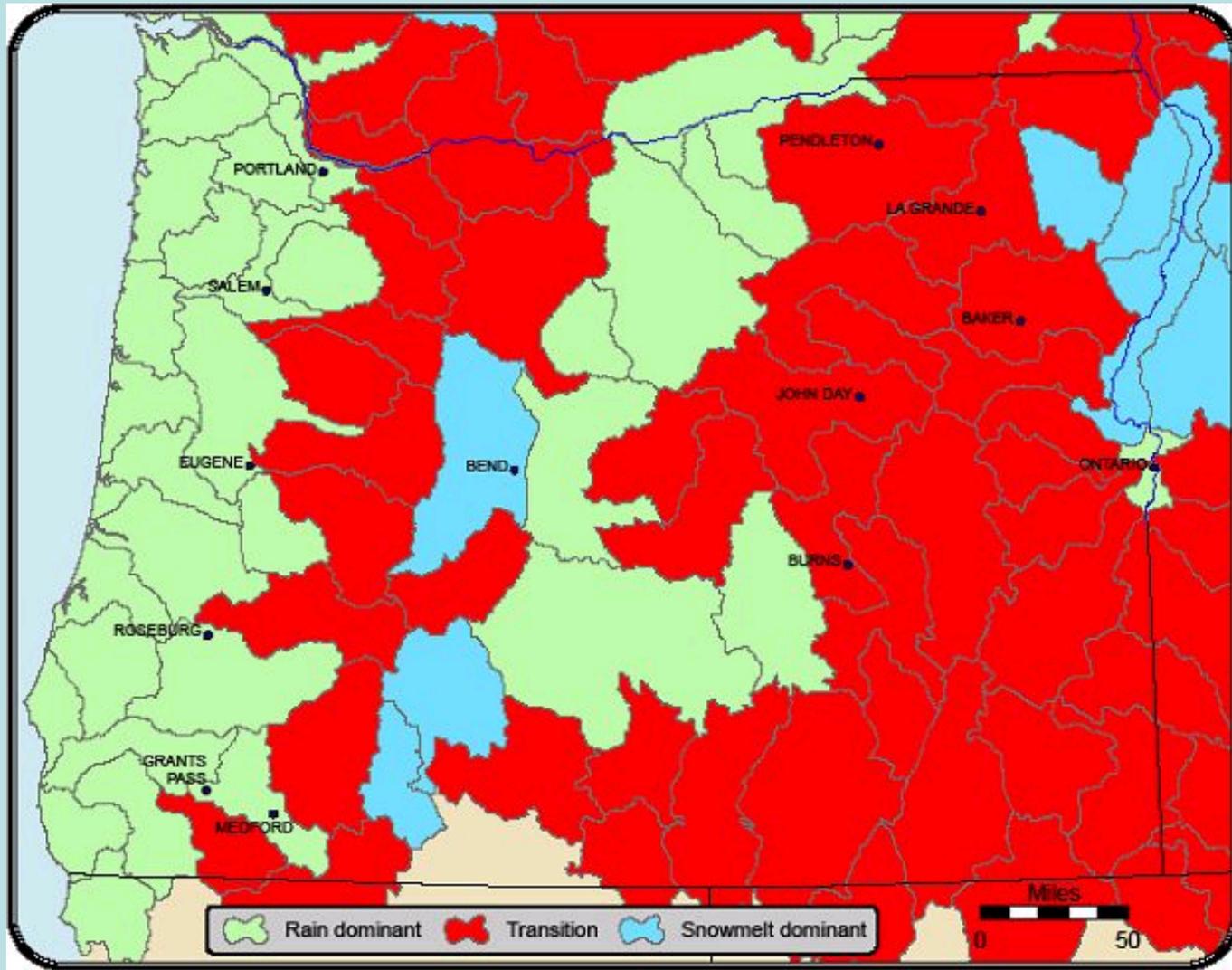


State-Tribal Water Forum 11-18-09

Coming Pressures

- **Population Growth**
- **Land Use Changes**
- **Climate Change**

Coming Pressures: Climate Change



Next Steps

- **Continue taking public comment on all papers.**
- **Comments received by Jan. 31 will go into the Water Resources Commission's February discussion packet.**
- **Papers and public comments will publicly available, and included in WRC & PAG materials.**
- **Revised issue papers are scheduled for release during Phase 2 (early-to-mid 2010).**
- **Final issue papers will be included in the 2012 Integrated Water Resources Strategy.**

Public Involvement Plan



Public Involvement Plan Oregon's Integrated Water Resources Strategy

Foundation
HB 3369 (2009)

Adopting Commission
Water Resources Commission

Consulting Commissions
Environmental Quality Commission
Fish and Wildlife Commission
Board of Agriculture

Lead Agencies
Water Resources Department
Department of Environmental Quality
Department of Fish and Wildlife
Department of Agriculture

Project Team
Brenda Bateman, Project Manager
Christine Swickowich, DEQ
Bruce Minton & Rick Koplac, ODFW
Ray Jandi & Brent Searle, ODA
Alyssa Mucken, Policy Coordinator
Ken Stahl, Science Coordinator
Ryan Vanden Brink, Policy Intern

Policy Advisory Group
Glenn Barrett/Curtis Martin
Mike Campbell
Jay Chamberlin/Anita Winkler
John DeVoe
Dennis Doherty
Bill Gaff
Patrick Griffiths
Todd Heidergerken
Todd Heider
Teresa Hunsinger
Tracey Liskay
Peggy Lynch
Janet Neuman
Eric Quasempts
Mike Seppa
Lorna Stickel
Richard Wells
Joe Whitworth

Policy Advisory Group Schedule
January 29, 2010
April 14, 2010
July 29, 2010
October 6, 2010
(9:00 am – 5:00 pm @ ODFW, Salem)

Agency Advisory Group
Water Resources Department
Department of Environmental Quality
Department of Fish and Wildlife
Department of Agriculture

Overview

As we work to develop an integrated water resources strategy for Oregon, we recognize the value of engaging and communicating with the public as early and as often as possible in the process. With valuable input from partners, stakeholders, the public, and advisory groups, the Project Team has developed a public involvement plan to guide our activities during the next few years. Using this Public Involvement Plan, we hope to reach key stakeholder groups as well as interested members of the public. Each of the following interactions will likely shed light on other potential methods and audiences. We appreciate any ideas or suggestions you may have to help us reach a wider audience.

Key Messages

- The purpose of Oregon's Integrated Water Resources Strategy is to develop a blueprint for how Oregon's water resource needs will be met now and in the future.
- An integrated strategy will address water quantity, water quality, and ecological needs.
- The Water Resources Commission has ultimate responsibility for adopting the Strategy.
- The Strategy may contain policy, legislative, and budget recommendations to the Oregon Legislature.
- Partnerships with and among Oregon communities will be critical to meet Oregon's future water needs.

Communication Challenges

- Water is of universal concern; outreach to all interested parties in Oregon will be a challenge.
- Water users and advocates worry that recommendations might benefit one group at the expense of another.
- Oregon is generally regarded as a "wet" state. However, communities face water scarcity today, depending on location, time of year, water source, and beneficial uses. Conveying the seriousness of water conditions today and into the future will be a challenge.
- Looming pressures on our water resources, including population growth and climate change, are not yet "real" in the personal lives of many Oregonians. Planning for these abstract concepts presents a challenge.
- The state of Oregon historically has not invested much funding in water resource management, programs, or infrastructure. A successful strategy, involving scientific work, public outreach, and implementation, may necessitate greater financial investment.

Specific Activities and Communication Methods

Avenues to communicate will include both electronic means and face-to-face interaction. We recognize the value of keeping the public informed and also the importance of allowing ample opportunities for engagement and dialogue. The following activities and methods will allow public, key stakeholders, and other interested parties.

- Appendix E in Workplan
- Resource for PAG
- Variety of Opportunity for Public Involvement~
 - Face-to-Face
 - Print/Hardcopy
 - Electronically
- "If we had more resources..."

2010 Open Houses

Three Purposes:

- **Disseminate information about the Strategy (project basics, timeline, opportunities to participate).**
- **Seek input from community members (water resource challenges, opportunities, and recommended actions).**
- **Highlight successful examples of water resource solutions currently underway in Oregon communities.**

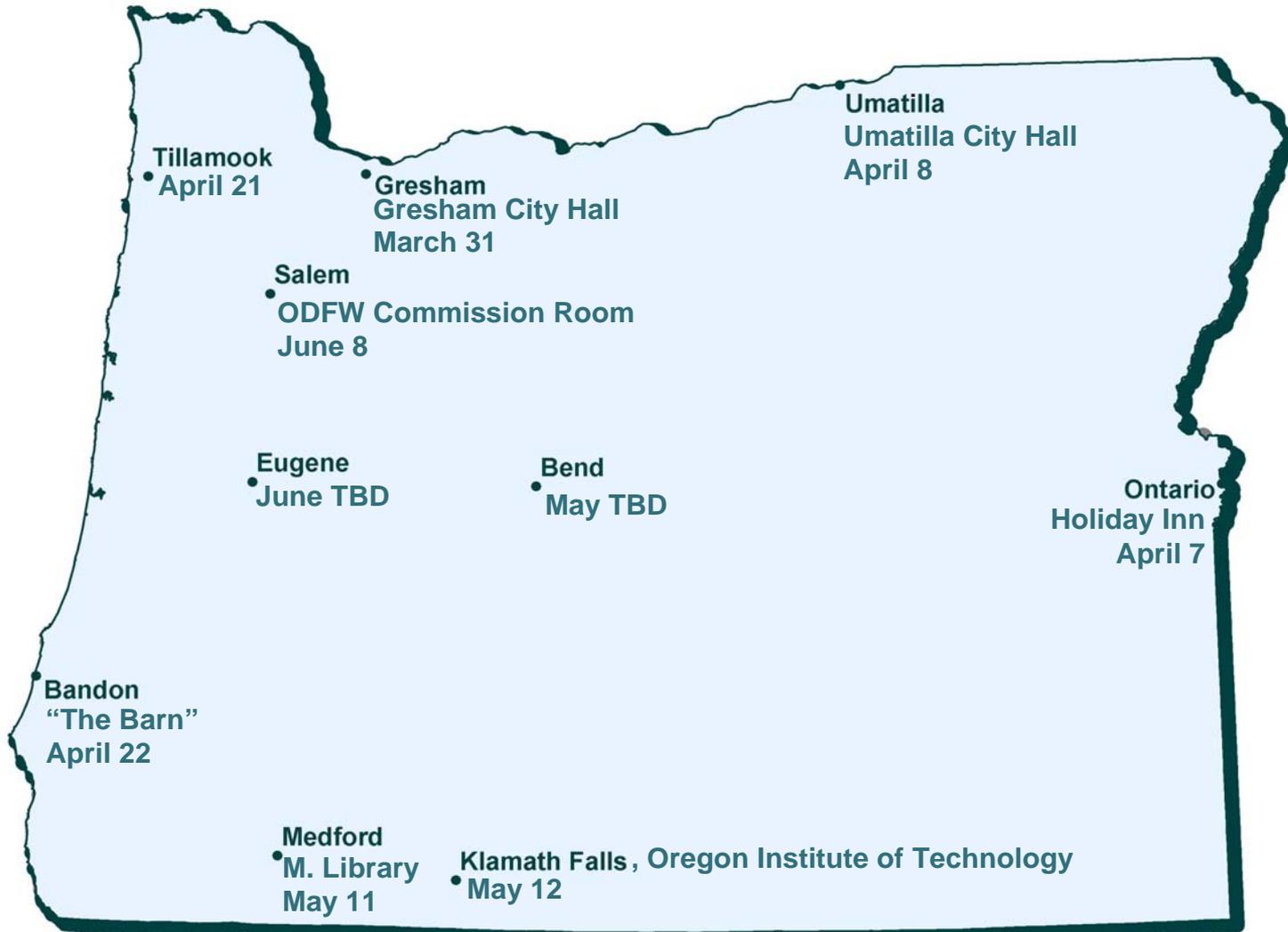
2010 Open Houses

Format:

- Late afternoon / evenings
- Open house format with “stations”
- Kids Corner
- Refreshments (looking for sponsors!)
- Agency field staff on hand



2010 Open Houses



- **Dates have changed.**
- **Always check the website!**



Discussion...

