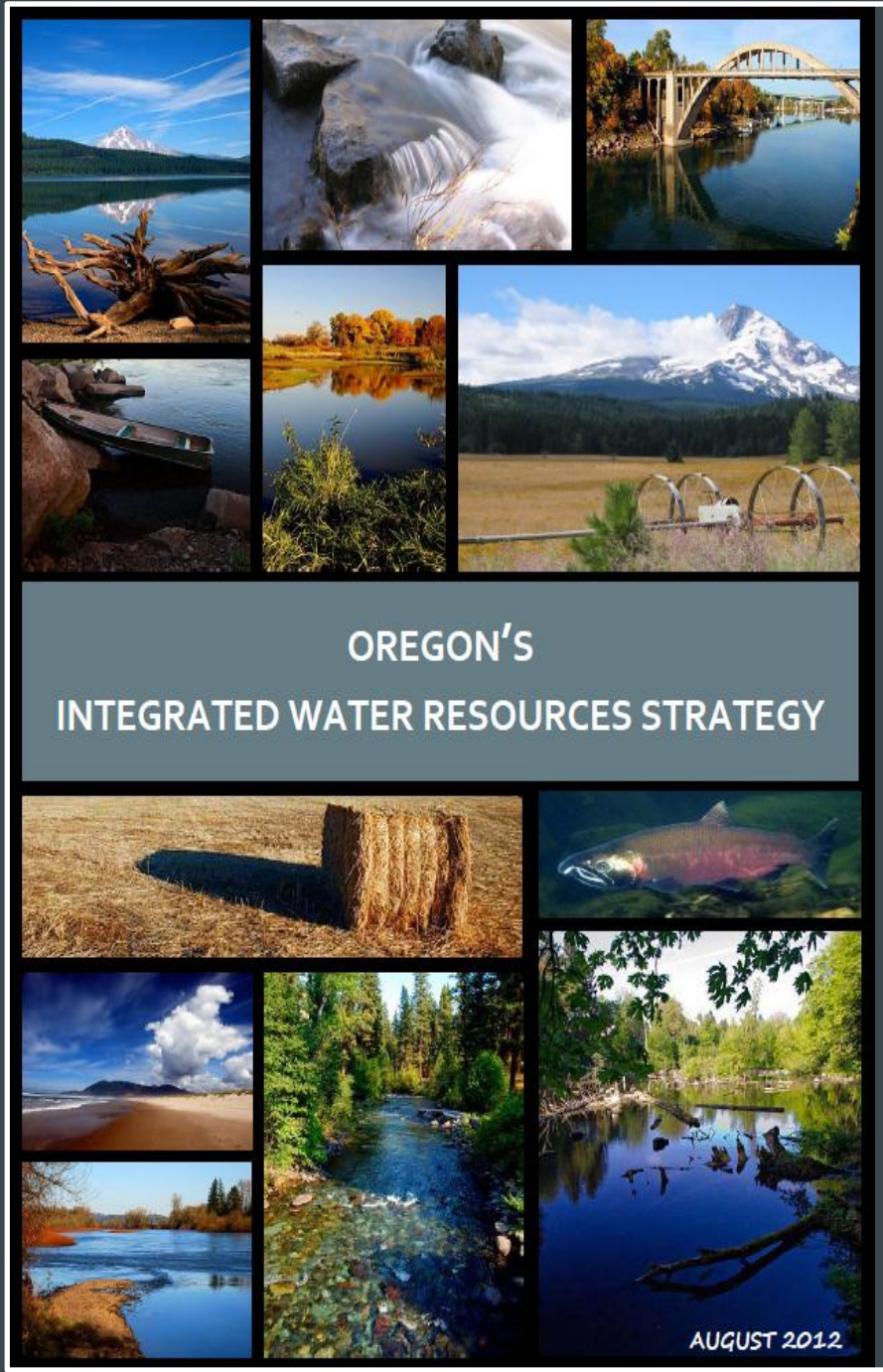


IMPLEMENTING
OREGON'S INTEGRATED WATER RESOURCES STRATEGY

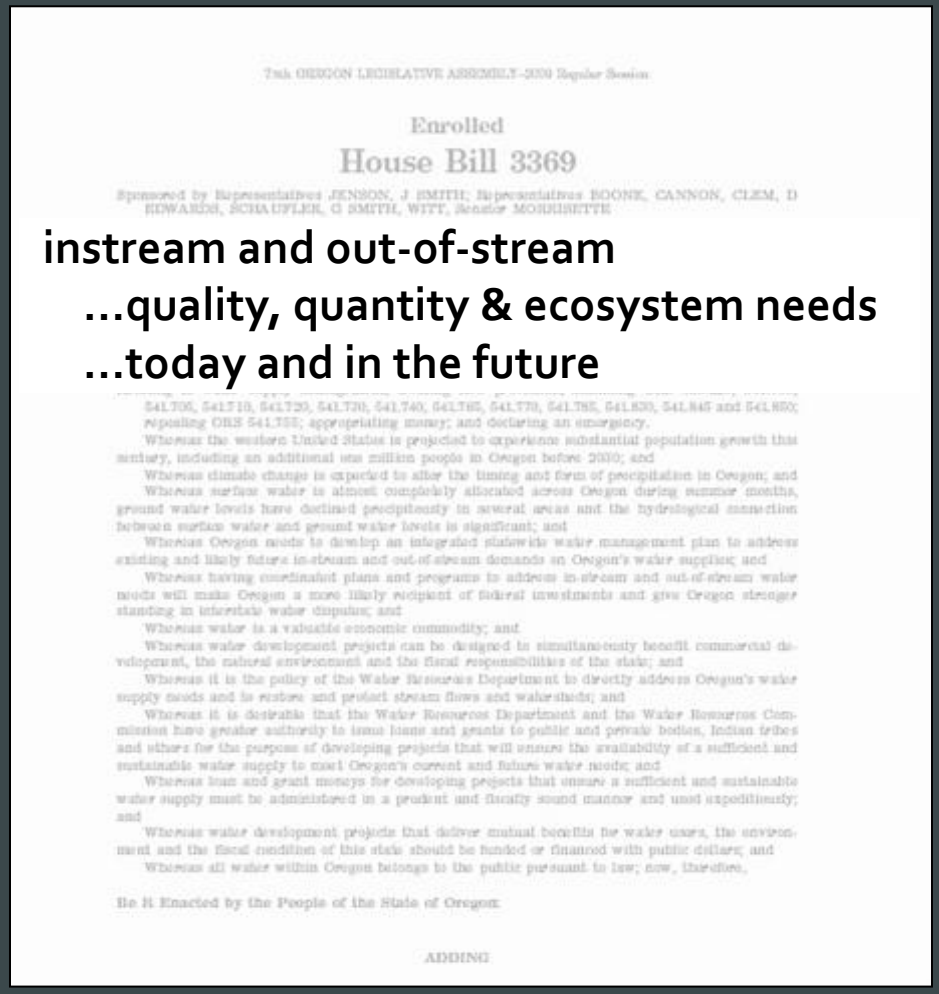
Senate Environment & Natural Resources Committee
February 7, 2013

Phil Ward, Director
Dr. Brenda Bateman, Senior Policy Coordinator
Oregon Water Resources Department

The Charge to Develop a Strategy

Oregon's House Bill 3369 (2009)

- Directs WRD to lead efforts to "understand and meet" Oregon's water needs"
- Partner with DEQ, ODFW, ODA, other agencies, tribes, stakeholders, public
- Account for coming pressures



74th OREGON LEGISLATIVE ASSEMBLY--2009 Regular Session

Enrolled

House Bill 3369

Sponsored by Representatives JENSON, J SMITH; Representatives BOONE, CANNON, CLEM, D EDWARDS, SCHAUFLER, G SMITH, WITT, Senator MORRISETTE

instream and out-of-stream

...quality, quantity & ecosystem needs

...today and in the future

541.705, 541.710, 541.720, 541.730, 541.740, 541.765, 541.770, 541.785, 541.830, 541.845 and 541.850; repealing ORS 541.755; appropriating money; and declaring an emergency.

Whereas the western United States is projected to experience substantial population growth this century, including an additional one million people in Oregon before 2050; and

Whereas climate change is expected to alter the timing and form of precipitation in Oregon; and

Whereas surface water is almost completely allocated across Oregon during summer months, ground water levels have declined precipitously in several areas and the hydrological connection between surface water and ground water levels is significant; and

Whereas Oregon needs to develop an integrated statewide water management plan to address existing and likely future in-stream and out-of-stream demands on Oregon's water supplies; and

Whereas having coordinated plans and programs to address in-stream and out-of-stream water needs will make Oregon a more likely recipient of federal investments and give Oregon stronger standing in interstate water disputes; and

Whereas water is a valuable economic commodity; and

Whereas water development projects can be designed to simultaneously benefit commercial development, the natural environment and the fiscal responsibilities of the state; and

Whereas it is the policy of the Water Resources Department to directly address Oregon's water supply needs and to restore and protect stream flows and watersheds; and

Whereas it is desirable that the Water Resources Department and the Water Resources Commission have greater authority to issue loans and grants to public and private bodies, Indian tribes and others for the purpose of developing projects that will ensure the availability of a sufficient and sustainable water supply to meet Oregon's current and future water needs; and

Whereas loan and grant moneys for developing projects that ensure a sufficient and sustainable water supply must be administered in a prudent and fiscally sound manner and used expeditiously; and

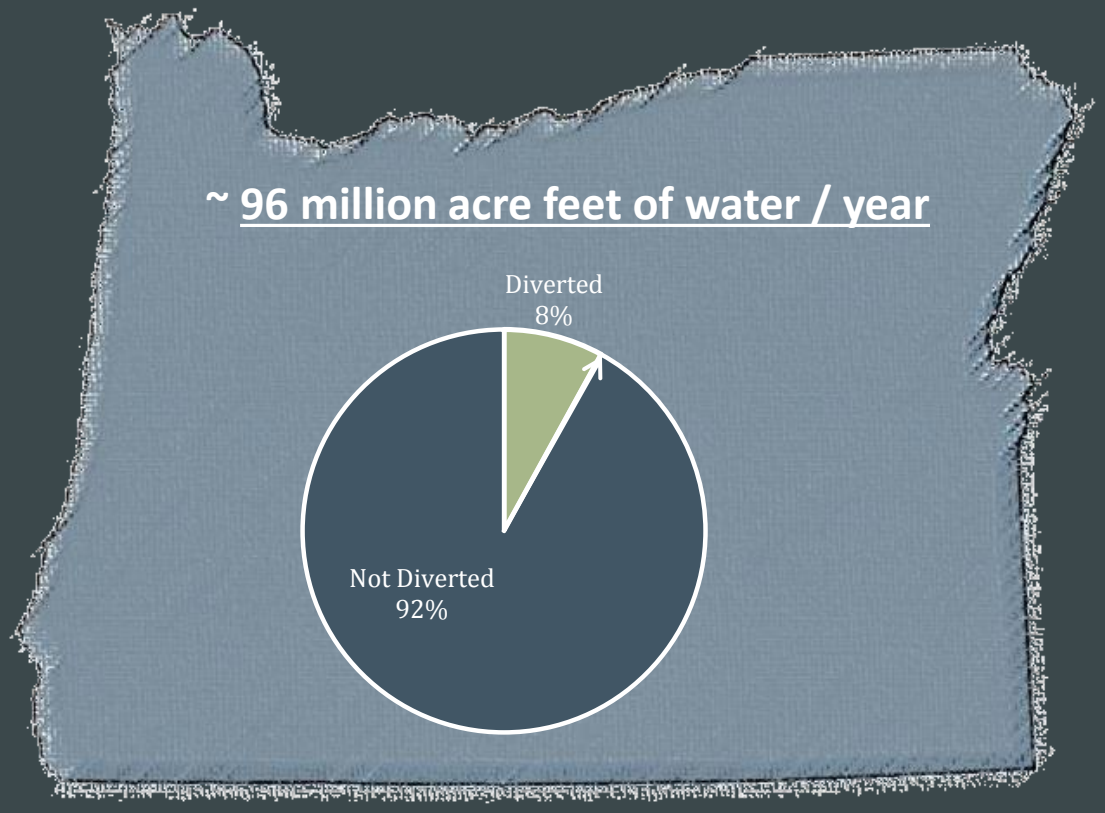
Whereas water development projects that deliver mutual benefits for water users, the environment and the fiscal condition of this state should be funded or financed with public dollars; and

Whereas all water within Oregon belongs to the public pursuant to law; now, therefore,

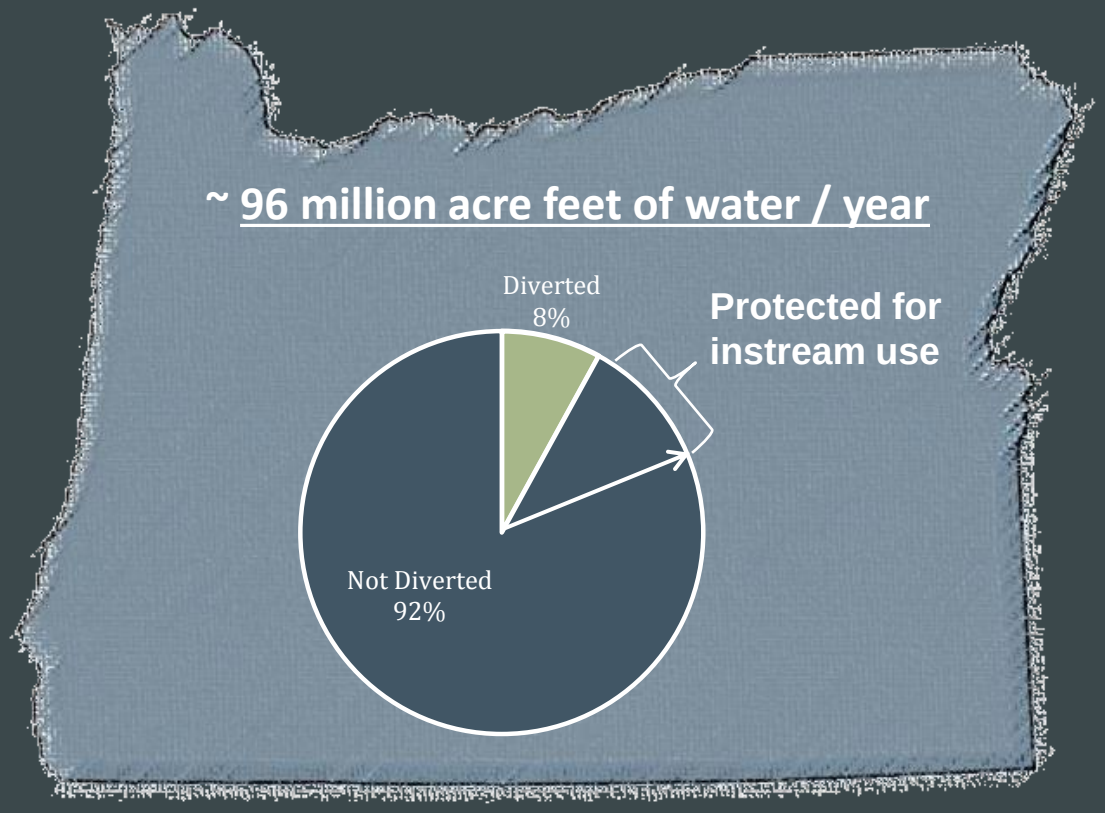
Be It Enacted by the People of the State of Oregon:

ADDING

The State of Water Resources in Oregon



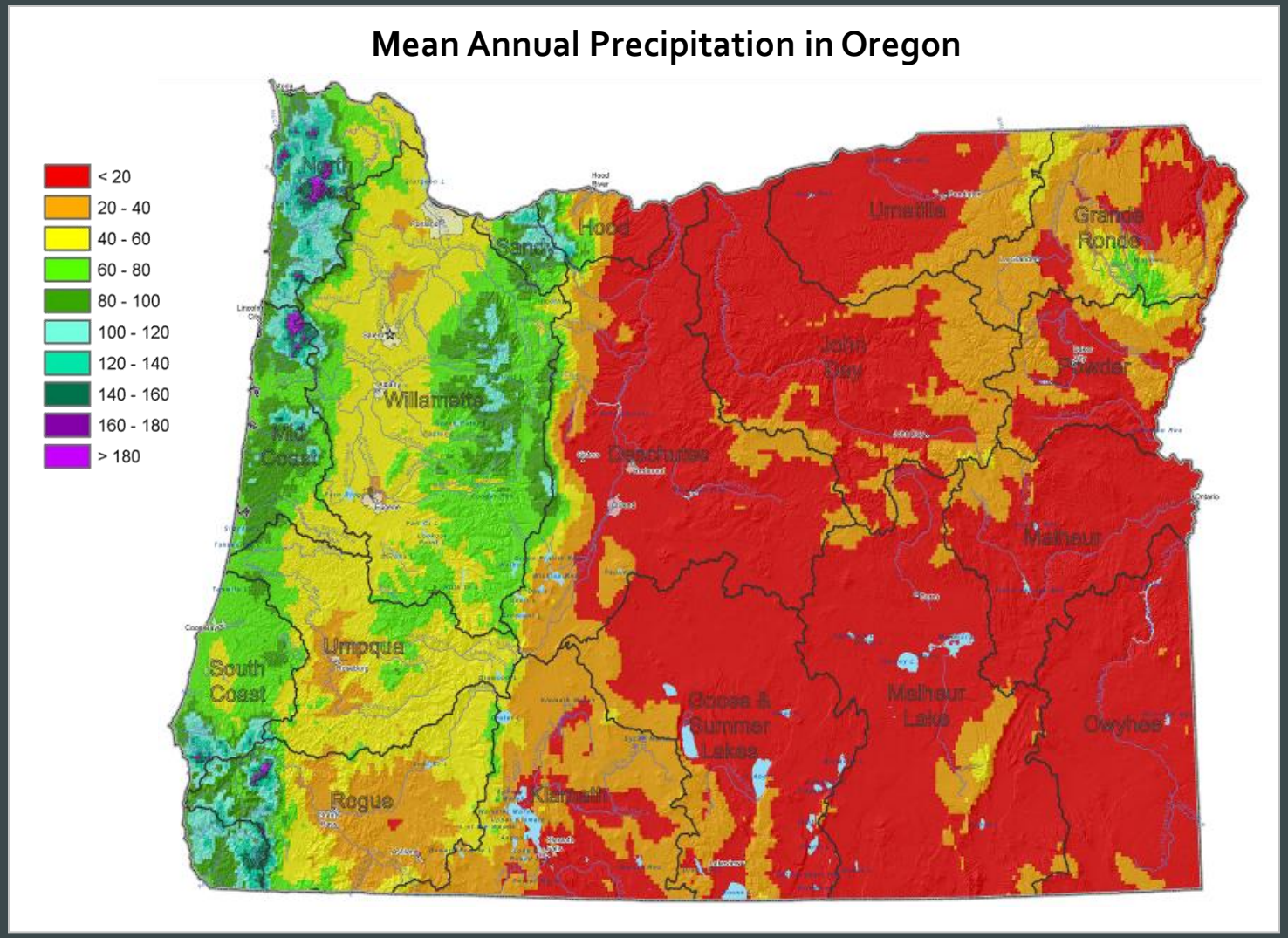
The State of Water Resources in Oregon



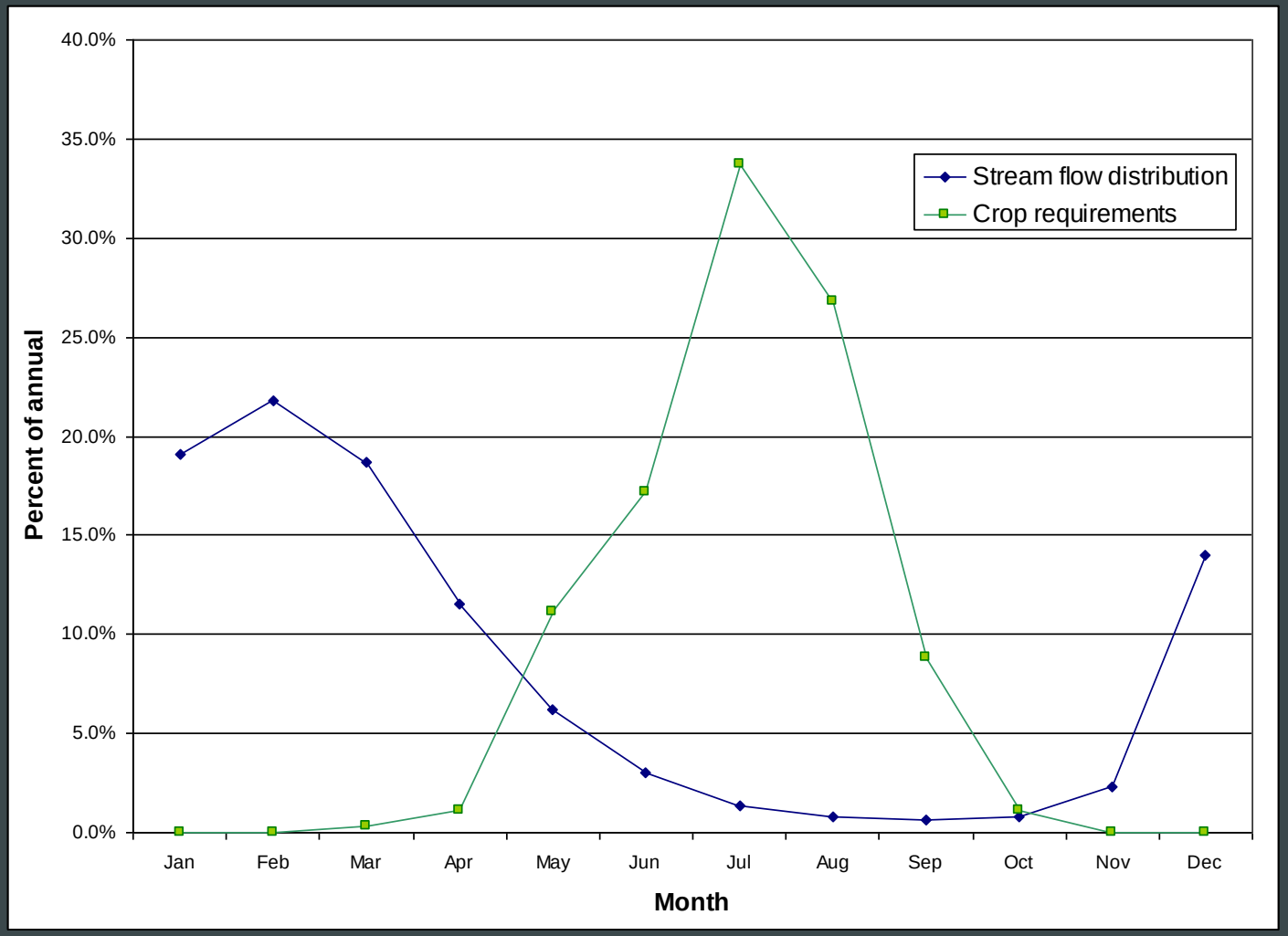
If the majority of the pie is unallocated, what's the problem?

- Location
- Timing
- Form
- Quality
- Access

The State of Water Resources in Oregon:
Location



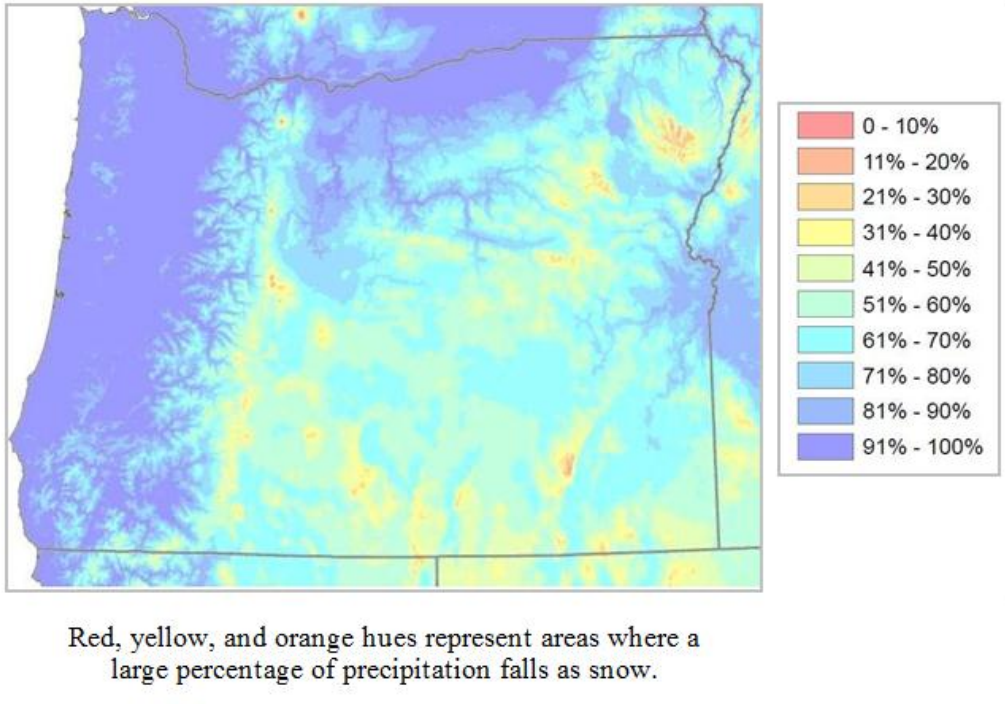
The State of Water Resources in Oregon:
Timing



Typical Timing of Streamflow vs. Demand in Oregon

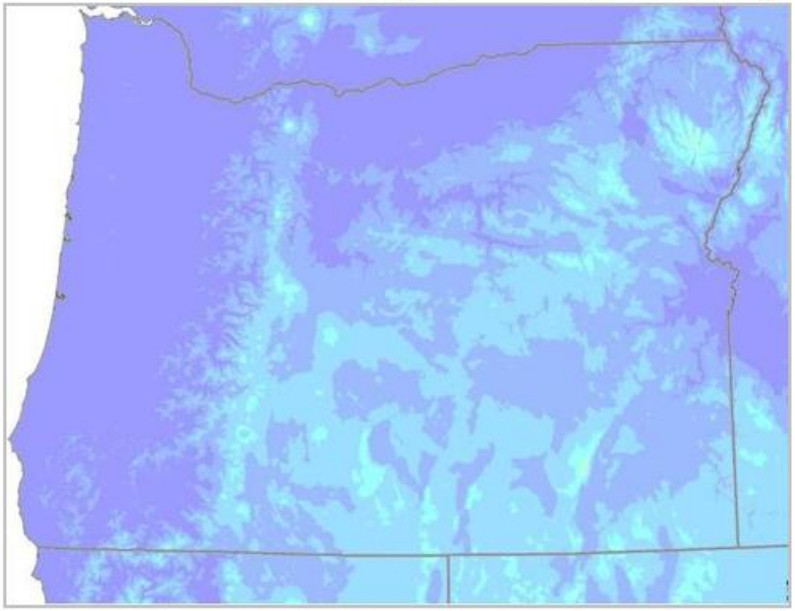
The State of Water Resources in Oregon:
Form

Current Precipitation Conditions



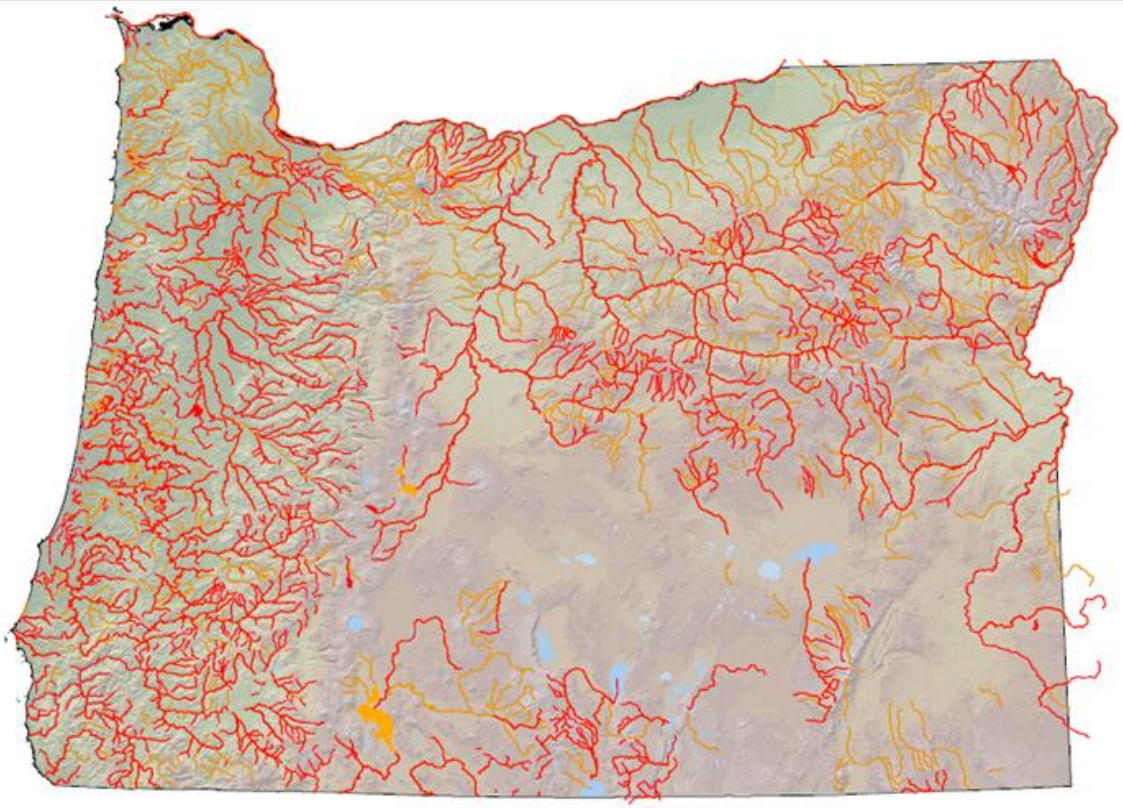
Red, yellow, and orange hues represent areas where a large percentage of precipitation falls as snow.

Future Scenario (3.0°C Temp Increase)



Snow-dominant areas largely disappear with a rise in air temperature.

The State of Water Resources in Oregon:
Surface Water Quality



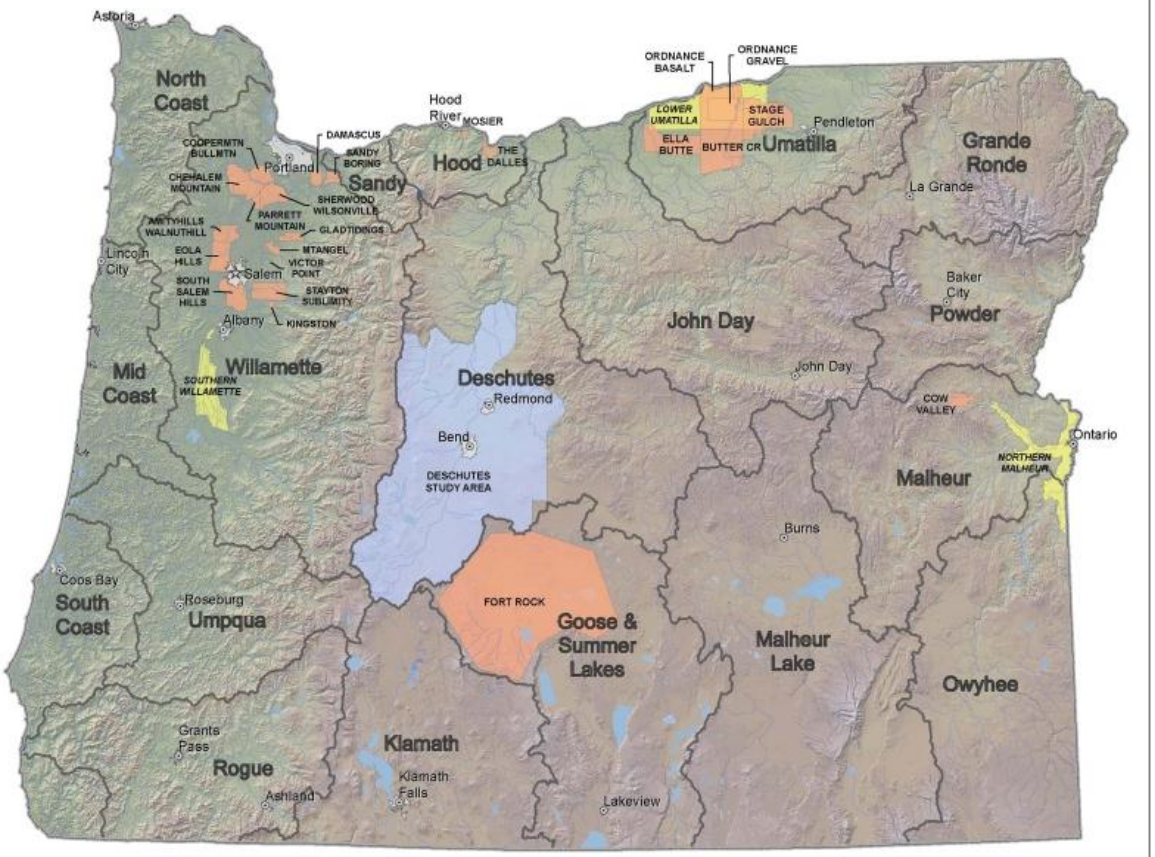
Oregon's Impaired Waters (2004/2006)

Impaired by one or more pollutants
(Needs TMDL 303(d) List)
Total – 1, 117 streams, lakes and reservoirs
14,905 miles
31 lakes and reservoirs; 46,753 acres

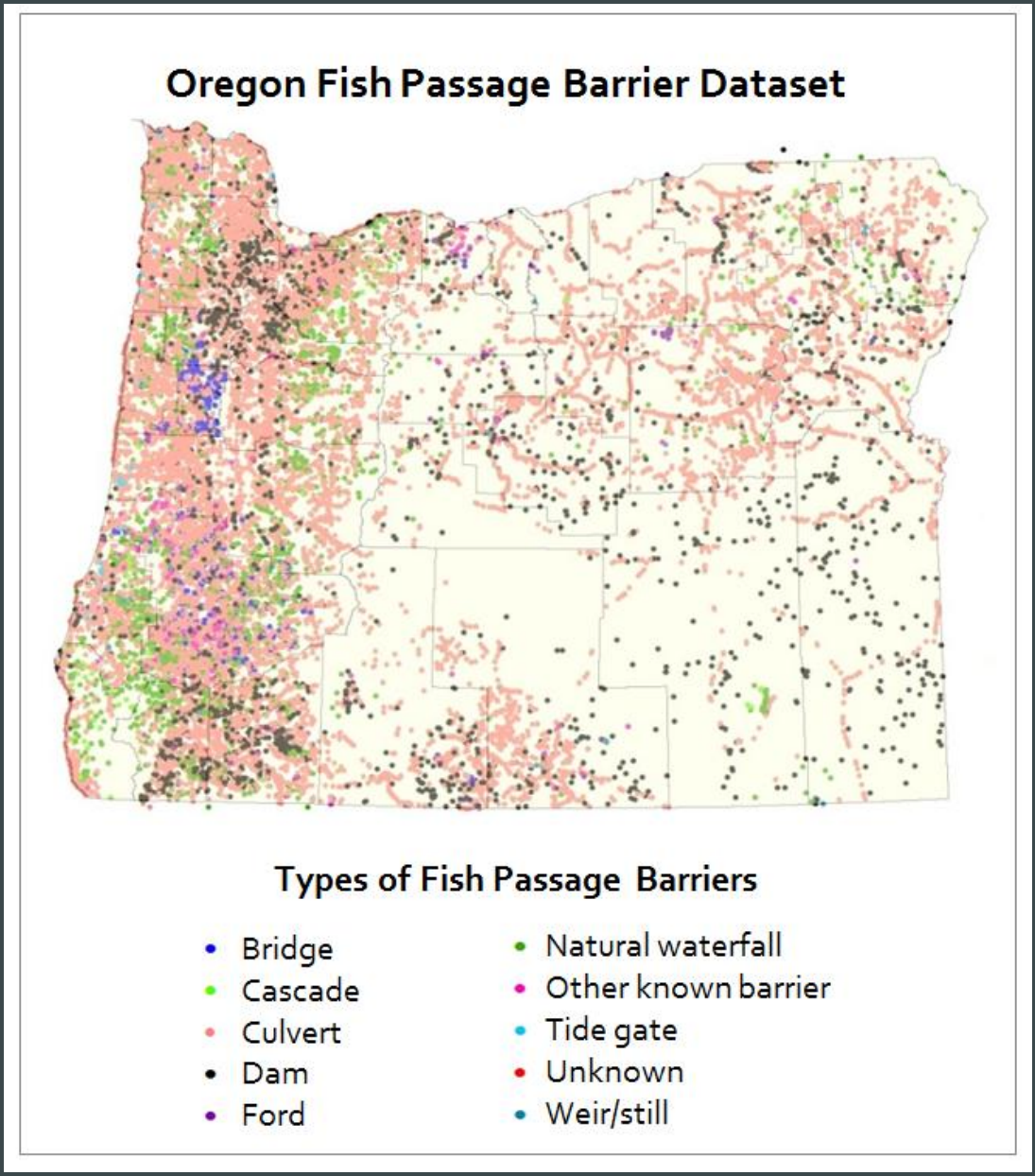
Impaired – does not need TMDL
(TMDL approved or impaired by non-pollutant)
Total – 1,231 streams, lakes, and reservoirs
16,736 miles
21 lakes and reservoirs; 96,799 acres

Note: This map shows all waters impaired by one or more pollutants in Oregon. Stream miles are not additive. Waters are depicted as needing a TMDL until TMDL's have been completed addressing all impairing pollutants.

The State of Water Resources in Oregon:
Groundwater Quality & Quantity



The State of Water Resources in Oregon:
Physical Barriers



Developing the IWRS

General Approach

- Building upon a good foundation of policy and data
- Preserve rights and authorities that are in place today
- Voluntary, incentive-based approach
- Practical, "implementable" recommendations
- Some implementation requires no legislative action; some does
- Heavy focus on getting the data required for decision-making

How Will the IWRS Benefit Oregon?

DATA: Developing science leads to better management (Rec. Actions #1 – 3)

How Will the IWRS Benefit Oregon?

WATER SUPPLY DEVELOPMENT:

Safe and reliable supplies, (Rec. Actions # 10a-e)

How Will the IWRS Benefit Oregon?

Ensuring a system to protect streamflows and supply water for economic development (Rec. Actions #13a-c)


Photo: ODFW


Photo: Michael Silberstein


Photo: Bob Wood


Photo: ODFW

2013 Requests

coming before the 77th Legislative Assembly

WRD Pkg. 202: Groundwater Basin Investigations
WRD Pkg. 101 & 103: Improve Measurement & Reporting
WRD Pkg. 102: Determine Flows Needed to Support Instream Needs
HB 2257: Update Name/Contact Information on Water Right Certificates

HB 2258: Specific Authorities for Water Supply Development
WRD Pkg. 204: $10 million for Water Supply Development Statewide
WRD Pkg. 205: $10 million for Water Supply Development in Umatilla
WRD Pkg. 206: Feasibility Study Grants

WRD Pkg. 201: Fund the Integrated Water Resources Strategy
WRD Pkg. 208/HB 2259: Transaction Fees
WRD Pkg. 108/SB 217: Annual Water Right Management Fee

Closing Thoughts

- Some implementation requires no legislative action or budget requests
- Some entail budget / legislative requests for 2013 and beyond
- The next rendition of the IWRS is due in 2017
- The IWRS and Executive Summary, as well as a video and workplan, are available on-line

Questions and Discussion

waterstrategy@wrd.state.or.us