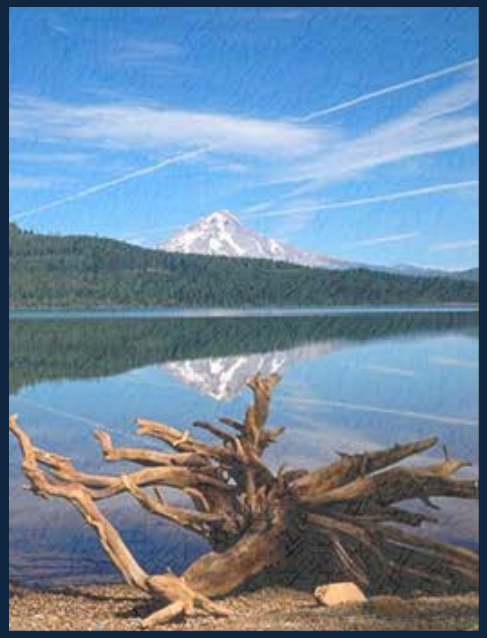
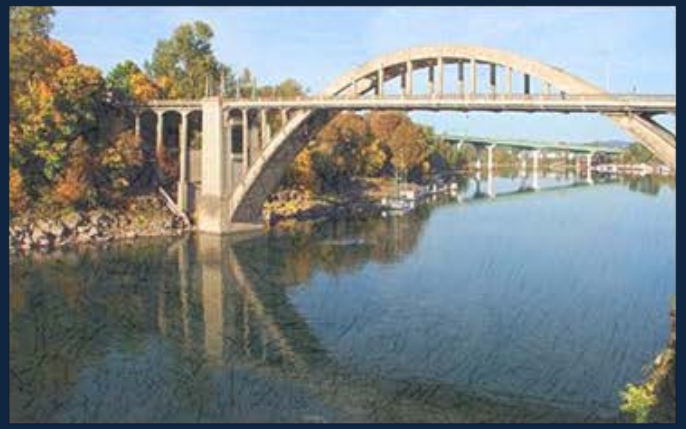
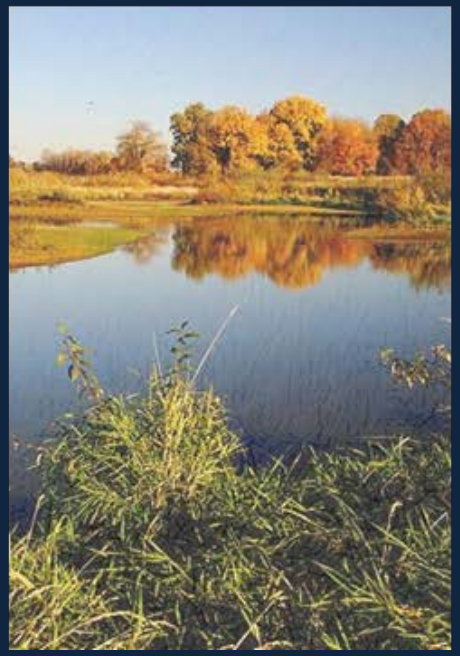


Oregon's Integrated Water Resources Strategy

IWRS Open Houses & Public Discussion
June 2016

Purpose of Tonight's Meeting

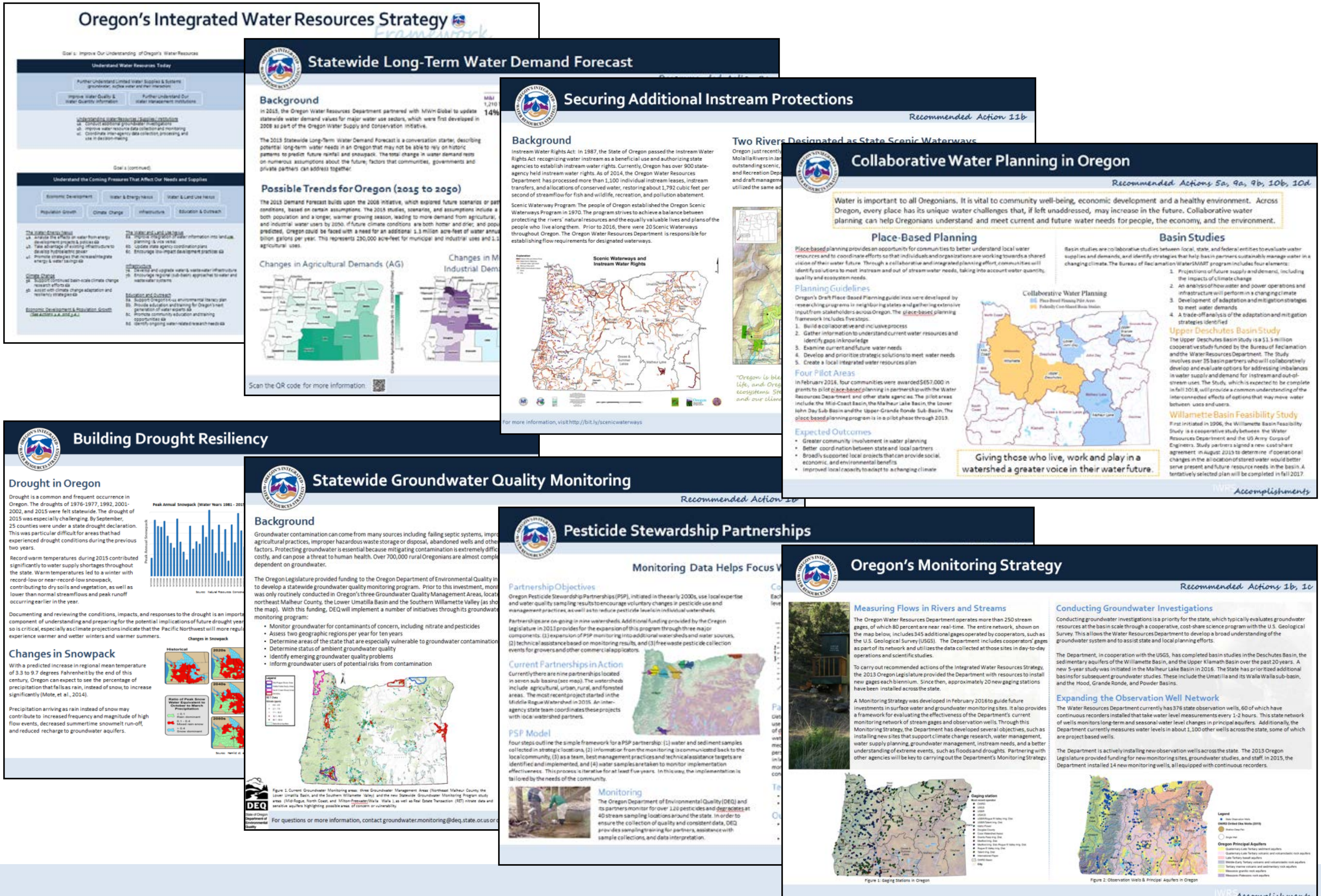
To Share with You:

- **What is Oregon's Integrated Water Resources Strategy?**
- **What has been accomplished thus far?**
- **Where is the state headed with the 2017 Strategy?**

To Hear from You:

- **How did drought affect this community?**
- **What do you think should be addressed in the next Strategy?**

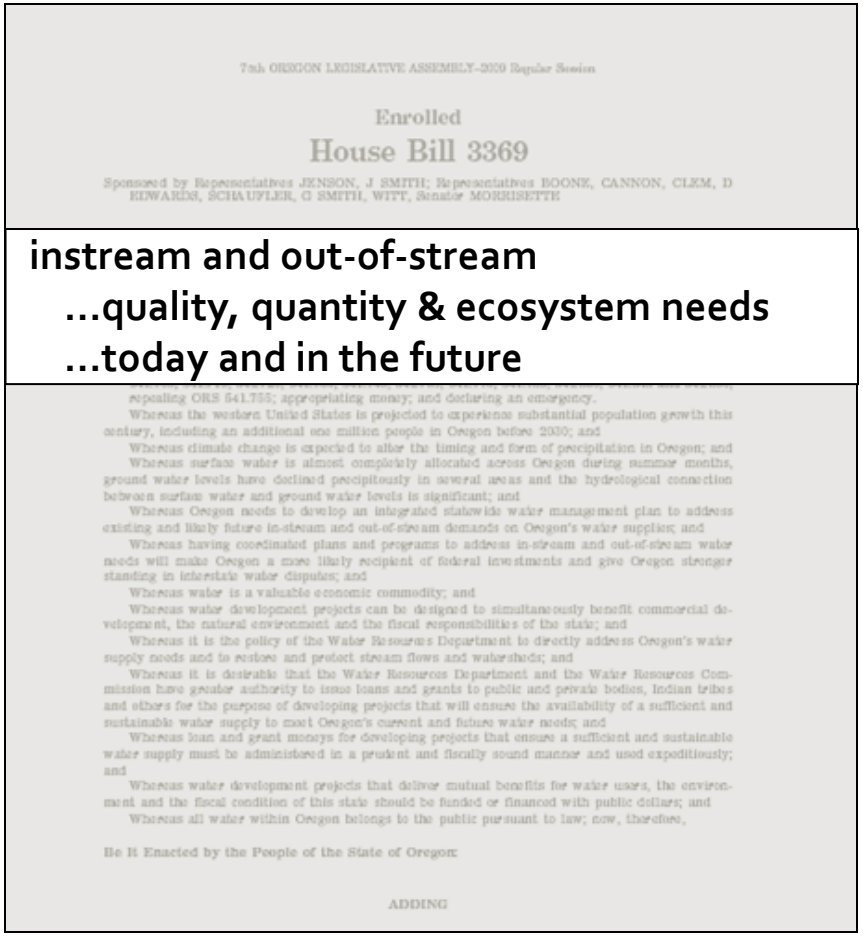
Visit the Poster Gallery



The Charge to Develop the Strategy

Oregon's House Bill 3369 (2009)

- **Directed WRD to lead efforts to "understand and meet" Oregon's water needs"**
- **Partnered with water quality, fish & wildlife, agriculture, 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

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 2030; 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 Process Taken

Phase 1 (2009): Setting the Stage

Workplan, issue papers, key principles, public involvement, public mailing list, 3 advisory groups

Phase 2 (2010): Identifying Water Needs

11 open houses, 1 survey, stakeholder workshops & briefings

Phase 3 (2011): Developing Recommended Actions

Progress report, bulletins, public comment, 2011 discussion draft

Phase 4 (2012): Producing Oregon's First IWRS

More public comment, boards/commissions, final draft June 2012

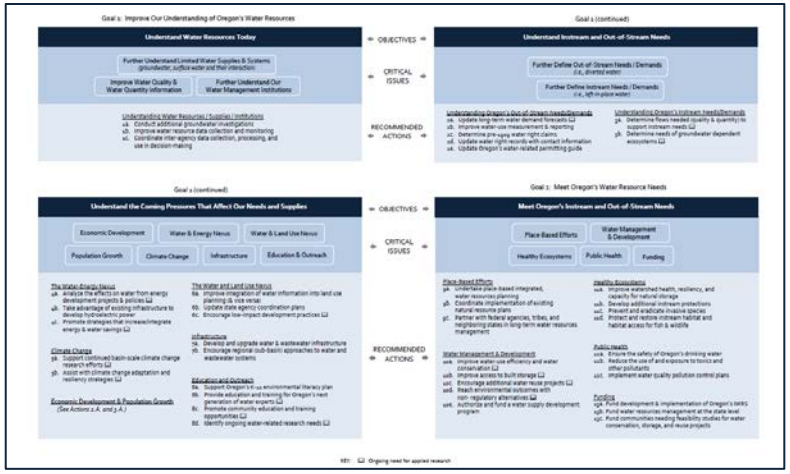
Phase 5 (2012 – current): Implementation and Evaluation

Adoption August 2012, foundation for budget and policy packages in 2013 & 2015 Legislatures, support & momentum

Goals & Objectives

GOALS:

- Improve our understanding of Oregon's water resources
- Meet Oregon's water resources needs



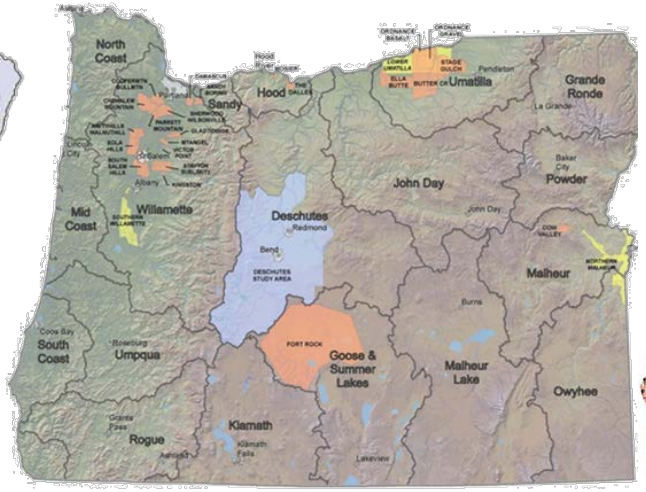
OBJECTIVES:

- Understand water resources today
- Understand instream and out-of-stream needs
- Understand the coming pressures that affect our needs & supplies
- Meet Oregon's instream and out-of-stream needs

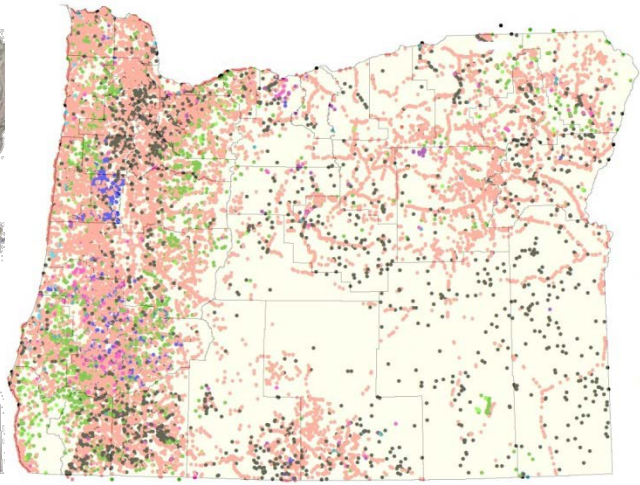
Critical Issues – a sample…

Surface Water

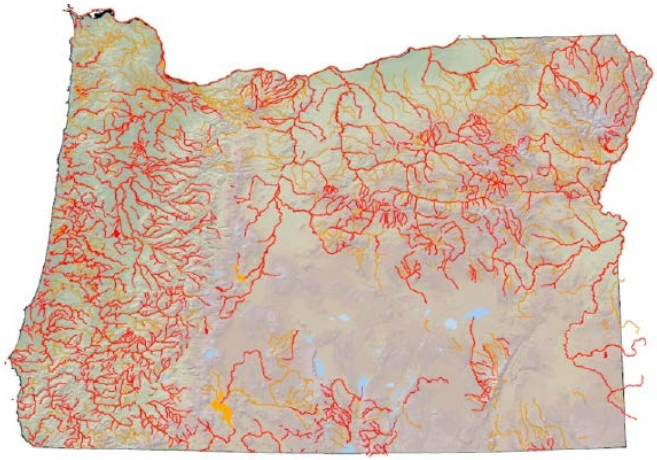
Groundwater



Habitat



Water Quality



Public Health

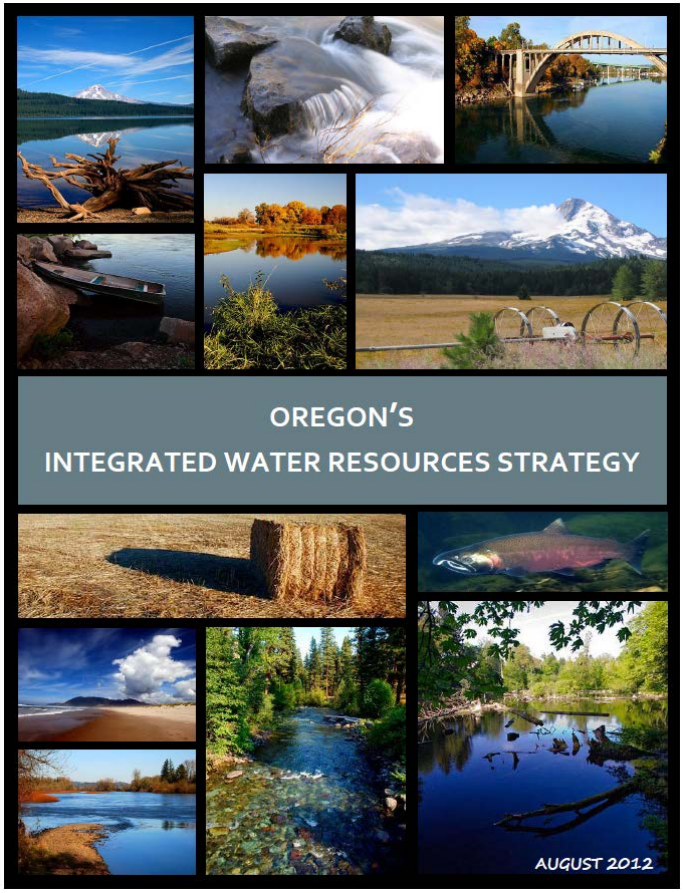
Invasive Species

Recommended Actions

- More than 40 recommended actions
- Actions are meant to be implemented by public and private sectors
- Not all actions require funding
- Developed a workplan to guide implementation priorities for 2012-2017

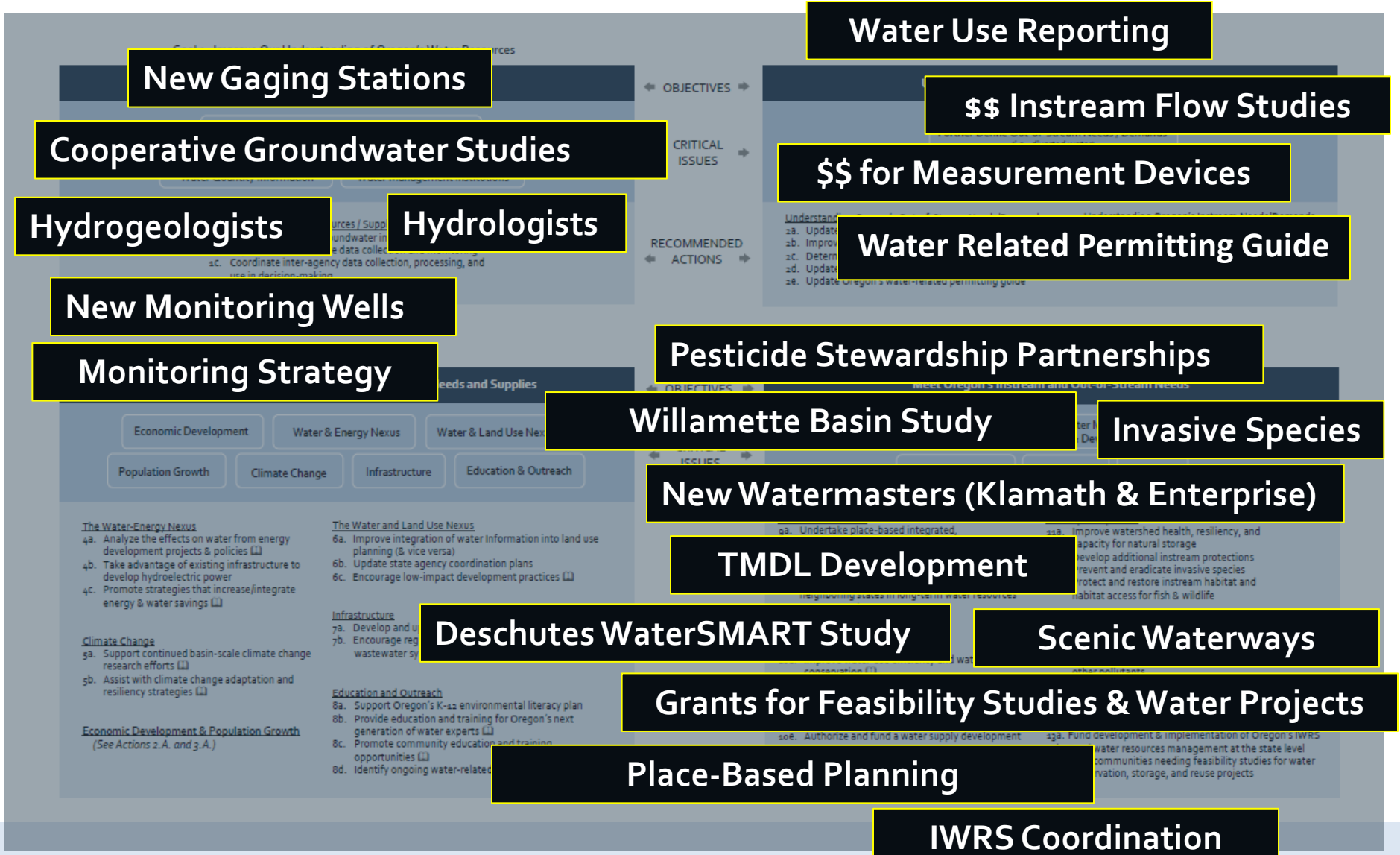
Developing the Next Strategy

- 2017 IWRS update will be surgical, a comprehensive revision will occur in 2022
- Must address drought and a changing climate
- Project partners will report on progress made since 2012
- A new workplan will be developed for 2017-2022
- The Water Resources Commission will notify other boards/commissions prior to adoption
- 2017 IWRS must be adopted by the Water Resources Commission



Progress to Date – Agency Efforts 2012-2016

2012-2017 Workplan Focus Areas



Understanding Groundwater & Surface Water

Monitoring Groundwater and Surface Water Supplies

- 20 new stream gages have been installed, all near real-time
- 14 new monitoring wells installed, all equipped with continuous recorders
- Initiating new groundwater studies

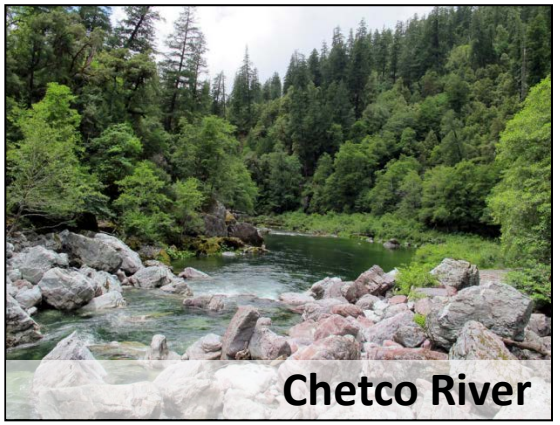
Monitoring Groundwater Quality

- Funding and staff provided to expand monitoring to areas outside of existing groundwater management areas
- Mid-Rogue, North Coast, and the Walla-Walla Basin sampled in 2015-16

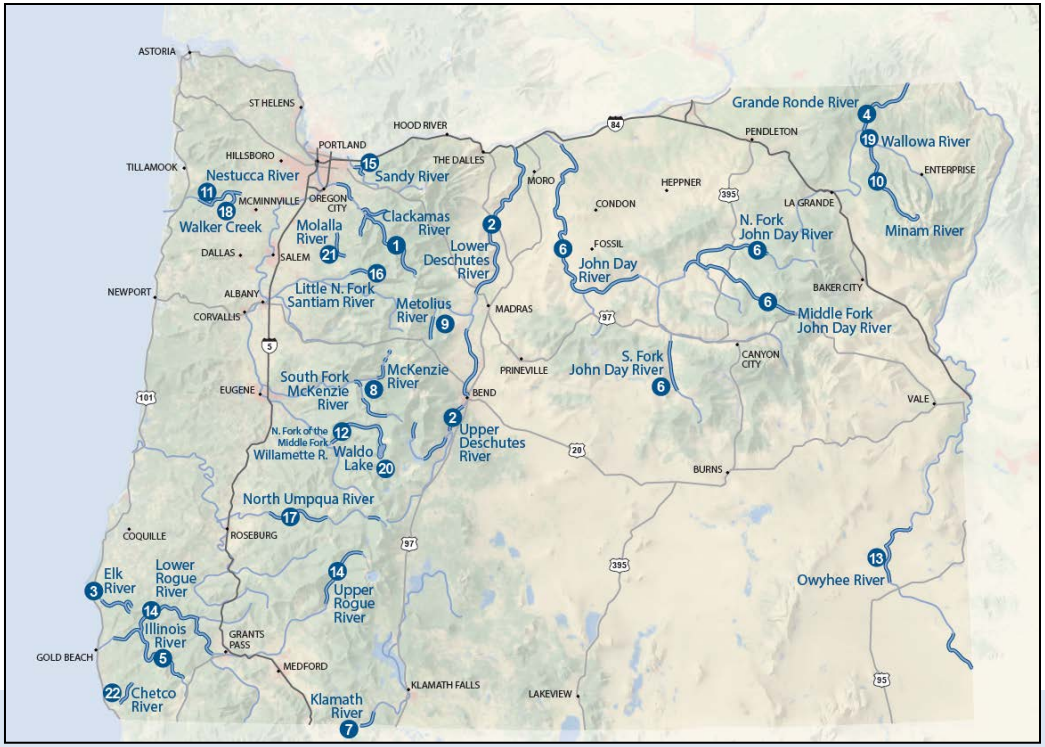
New Scenic Waterways

Designation of new Scenic Waterways

- 14-mile reach of the Chetco River, located in Curry County
- 14.2-mile reach of the Molalla River, located in Clackamas County
- Governor Brown approved these new reaches in January 2016


Chetco River


Molalla River



Collaborative Planning Efforts

- **Recently initiated integrated water resources planning on a smaller scale – Mid-Coast, Lower John Day, Upper Grande Ronde, and Malheur Lake basins**

- **Goal is to develop place-based plans that roll up and inform the statewide Strategy**

- **Collaborative efforts are also occurring in the Upper Deschutes and Willamette River Basin**

Providing Funds for Projects

Funding for Feasibility Studies & Project Development

- **The state has recently launched a new Water Resources Development Program**
- **Includes grants and loans for a variety of water projects that result in economic, environmental, and social benefits**
- **In May 2016, the Water Resources Commission awarded $1.2 million to complete 17 feasibility studies**
- **Another $8.9 million awarded to the construction or implementation of 9 water projects**

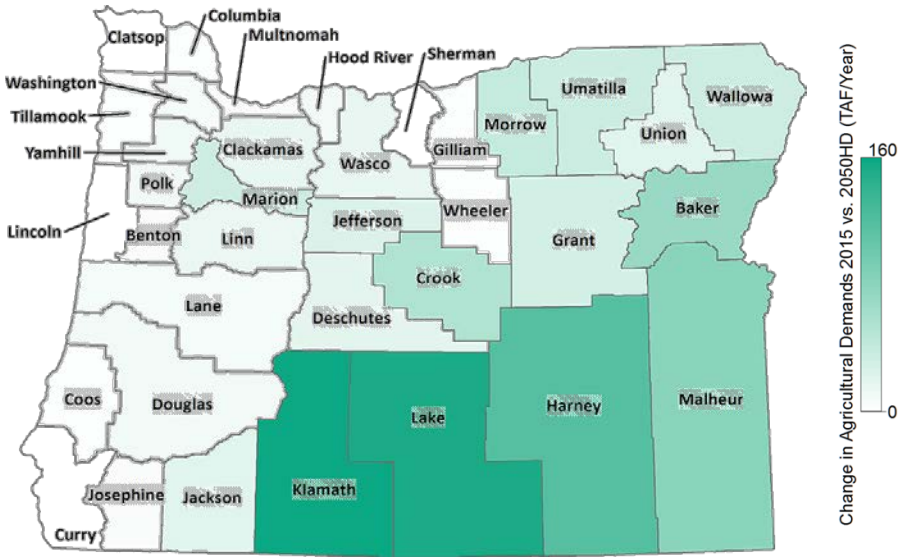
Funding Awarded for Implementation of Projects

Project Name	Project Type	County	Funds Awarded
Tumalo Feed Canal Conservation Phase 5	Water Conservation	Deschutes	$1,299,968
Highline Canal Pipeline	Water Conservation	Hood River	$566,299
Kingsley Reservoir Expansion and Lowline Pipeline Project	Storage/Water Conservation	Hood River	$3,000,000
Sun Creek Restoration and Irrigation Efficiency	Flow Restoration	Klamath	$249,867
Klamath East Side Water Recycling Project	Drainage Water Reuse	Klamath	$268,673
Willow Creek Piping Irrigation Laterals	Water Conservation	Malheur	$500,355
Beaver Creek Dam Fish Passage and Flow Restoration	Municipal Water Supply	Union	$600,000
Lostine River Conservation Project	Water Conservation	Wallowa	$1,488,718
Mosier Deep Water Supply Well	New Groundwater Supply Development	Wasco	$917,238
		Total	**$8,891,118**

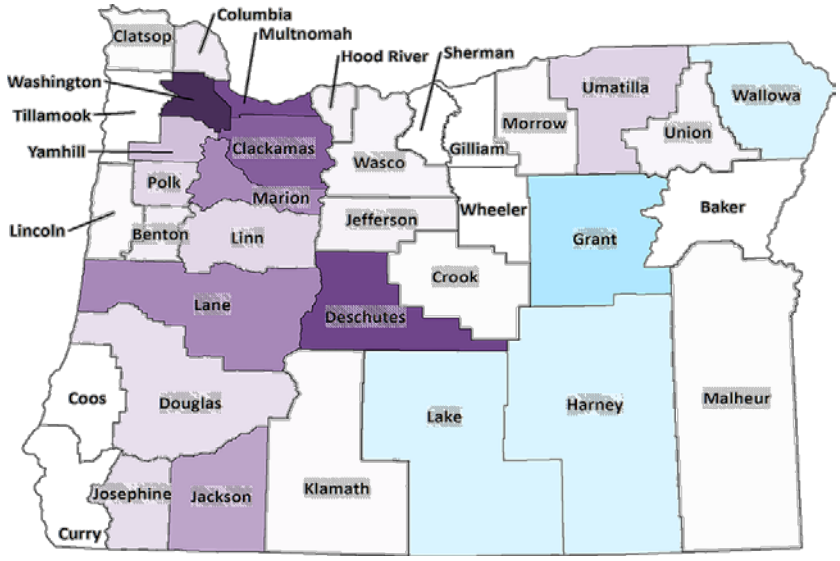
Understanding Future Demands

- In 2008, Oregon completed its first water demand study
- Updated the water demand forecast in 2015
- Another 1.3 million acre-feet needed by 2050

Changes in Agricultural Demands

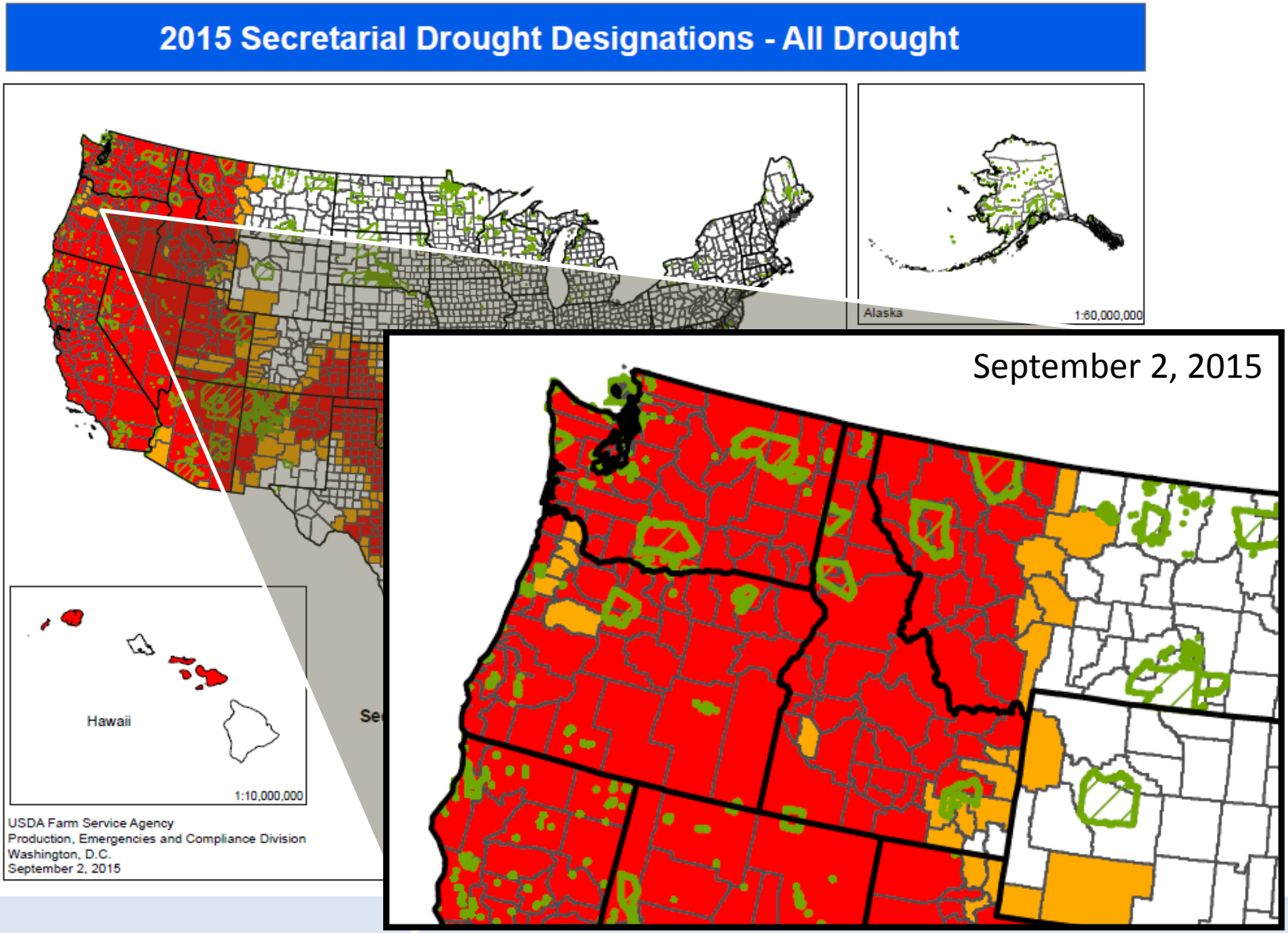


Changes in Municipal & Industrial Demands

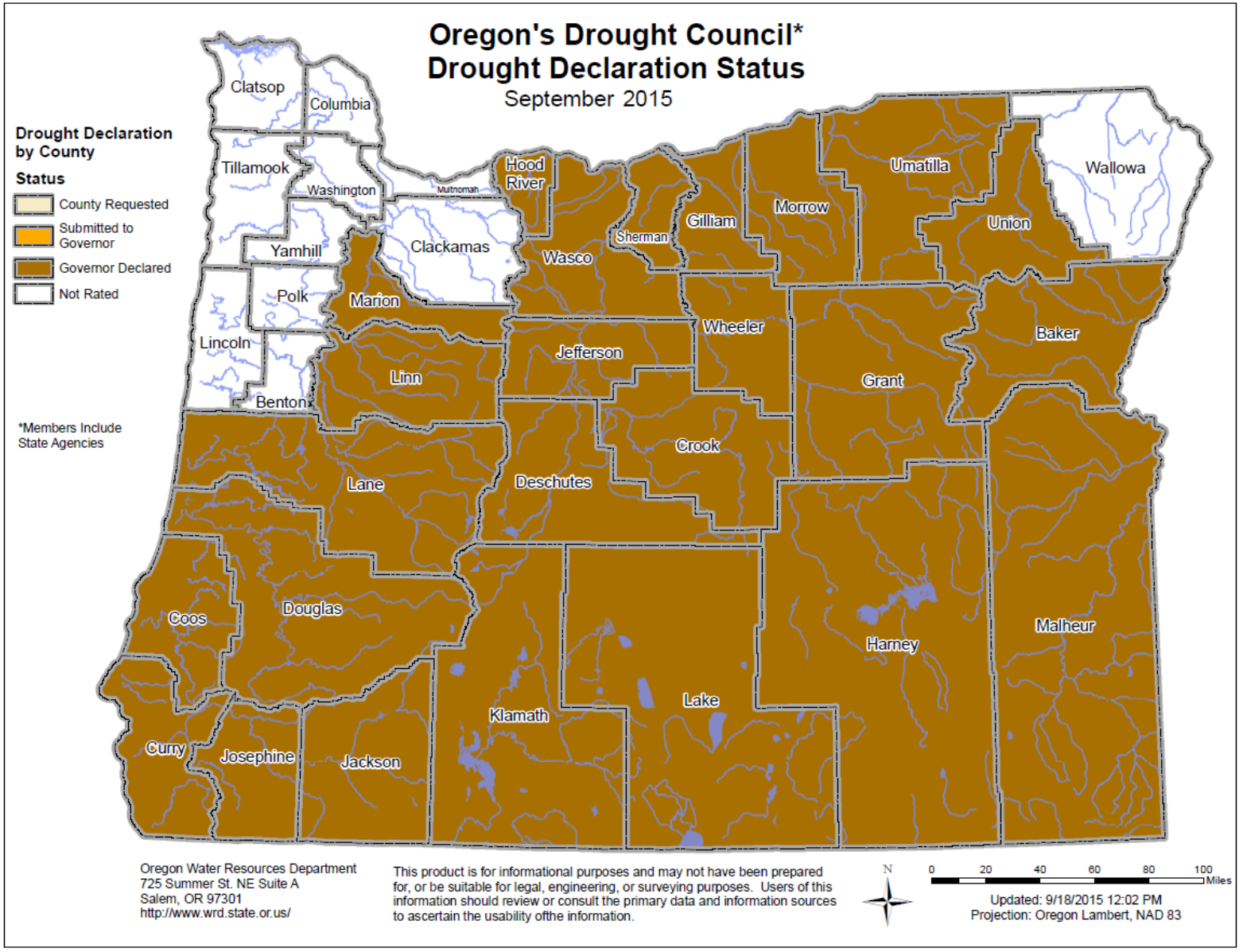


Emerging Issues

A look at Oregon's 2015 Drought

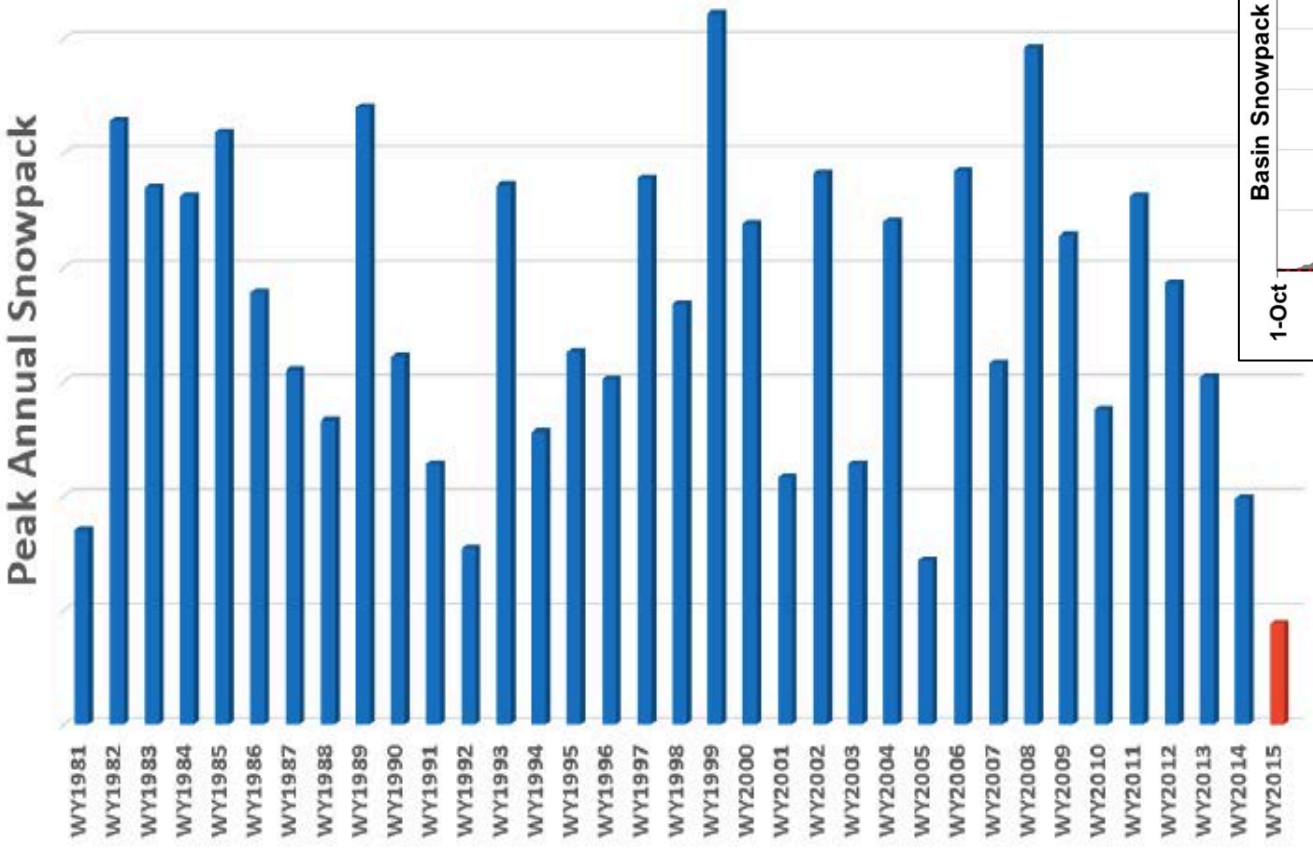


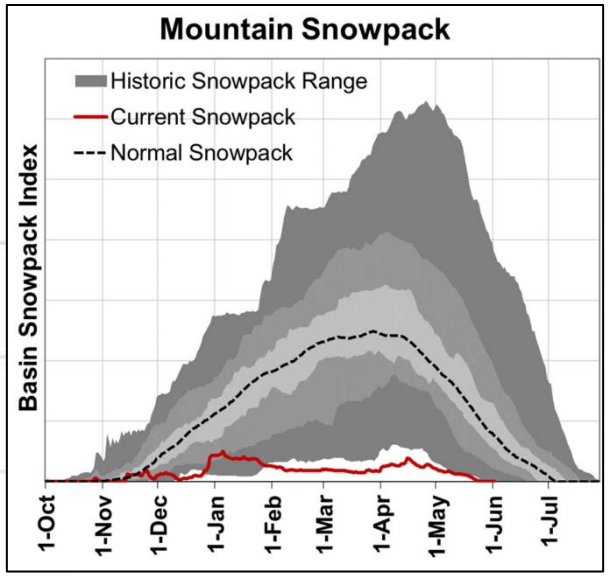
A look at Oregon's 2015 Drought



Record Low Snowpack

Peak Annual Snowpack (Water Years 1981 - 2015)

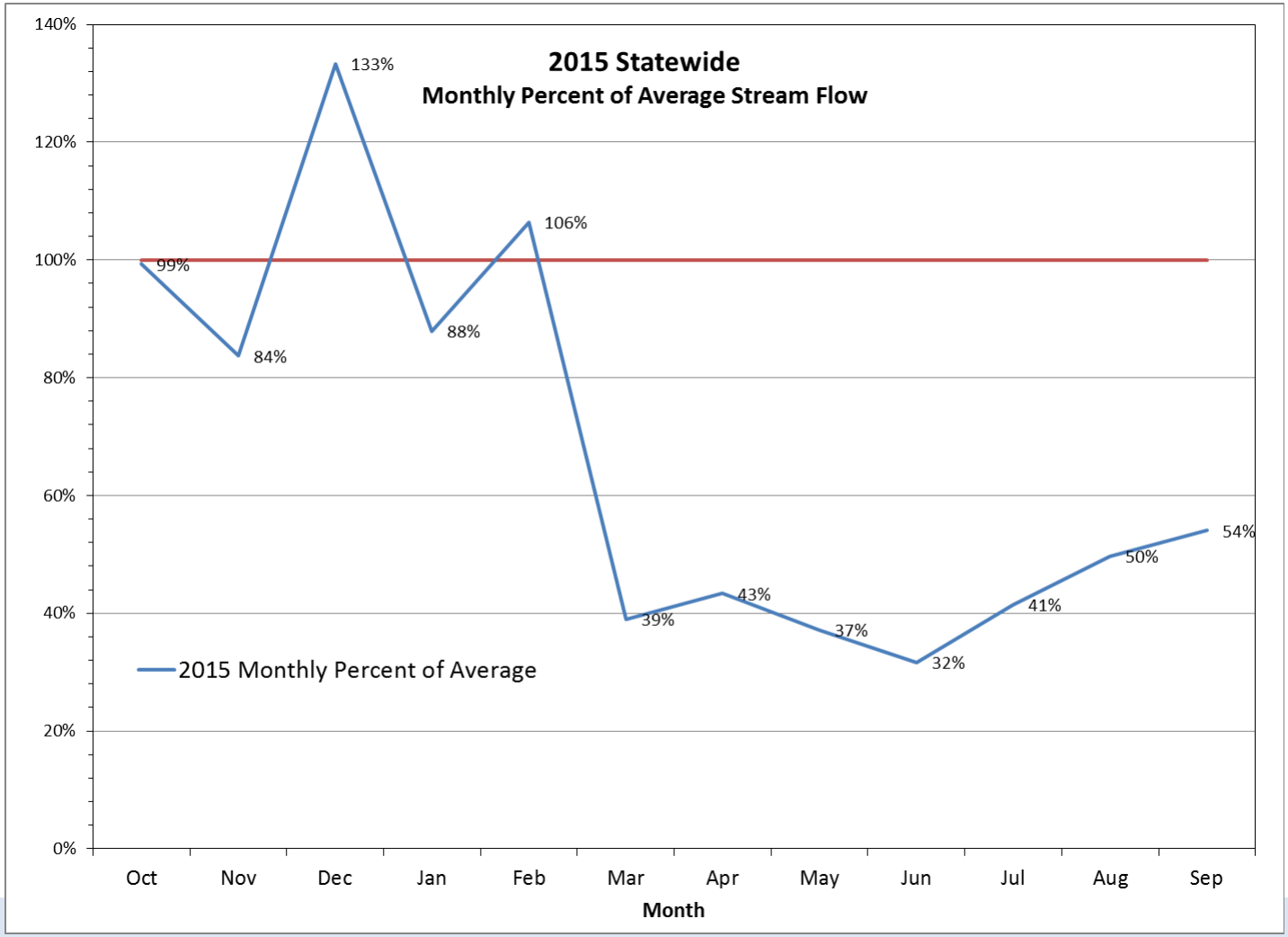




Source: Natural Resources Conservation Service

Streamflows Lowest on Record

- **The snow drought affected streamflows statewide**



Drought's Impact on Oregon Communities

- Early snowmelt and runoff
- Reduced reservoir storage
- Earlier regulation of water rights, new for some areas
- Fisheries management (water temperatures, mortalities)
- Agriculture (reduced yields, cut in deliveries)
- Recreation/tourism
- Wildlife
- Very intense wildfire season
- Tree die offs

Public Discussion

Discussion Questions

- How has the recent drought affected you?
- In what ways did the drought affect your community?
- How did you respond to drought? Please share any successes or strategies.
- What actions should be pursued to better prepare for future droughts?
- What most concerns you about the future with regard to water?
- Any other thoughts or comments you would like to share with the IWRS Project Team?

For More Information

Submit Comments Online thru July 15:

http://bit.ly/iwrsdroughtcomments

Water Resources Department's website:

http://www.oregon.gov/OWRD/pages/law/integrated_water_supply_strategy.aspx

IWRS Public Mailing List:

http://listsmart.osl.state.or.us/mailman/listinfo/iwrs

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