



Oregon's Integrated Water Resources Strategy

**Water Resources Commission Meeting
January 26, 2012**

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Outline

- Introduction to the Discussion Draft
- Instream Needs
- Water Quality Needs
- Water Quantity Needs
- Presentation Wrap Up
- Q and A for the Commission

Introduction to the Discussion Draft

Acknowledgements

- PAG, AAG, FLG
- Consultants
- Interns
- OSU
- Colleagues in other western States
- Others that helped w/ graphics, maps, facilitation, open house events
- Agency Directors, Commissioners & Legislators



Introduction to the Discussion Draft

General Approach

- Building upon a good foundation of policy and data
- Preserve rights that are in place today
- Voluntary, incentive-based approach

What's New in this Draft

- 2011 reports and publications
- Guest essays (“techniques & technologies”)
- Revamped actions (incl. “keyed” actions)

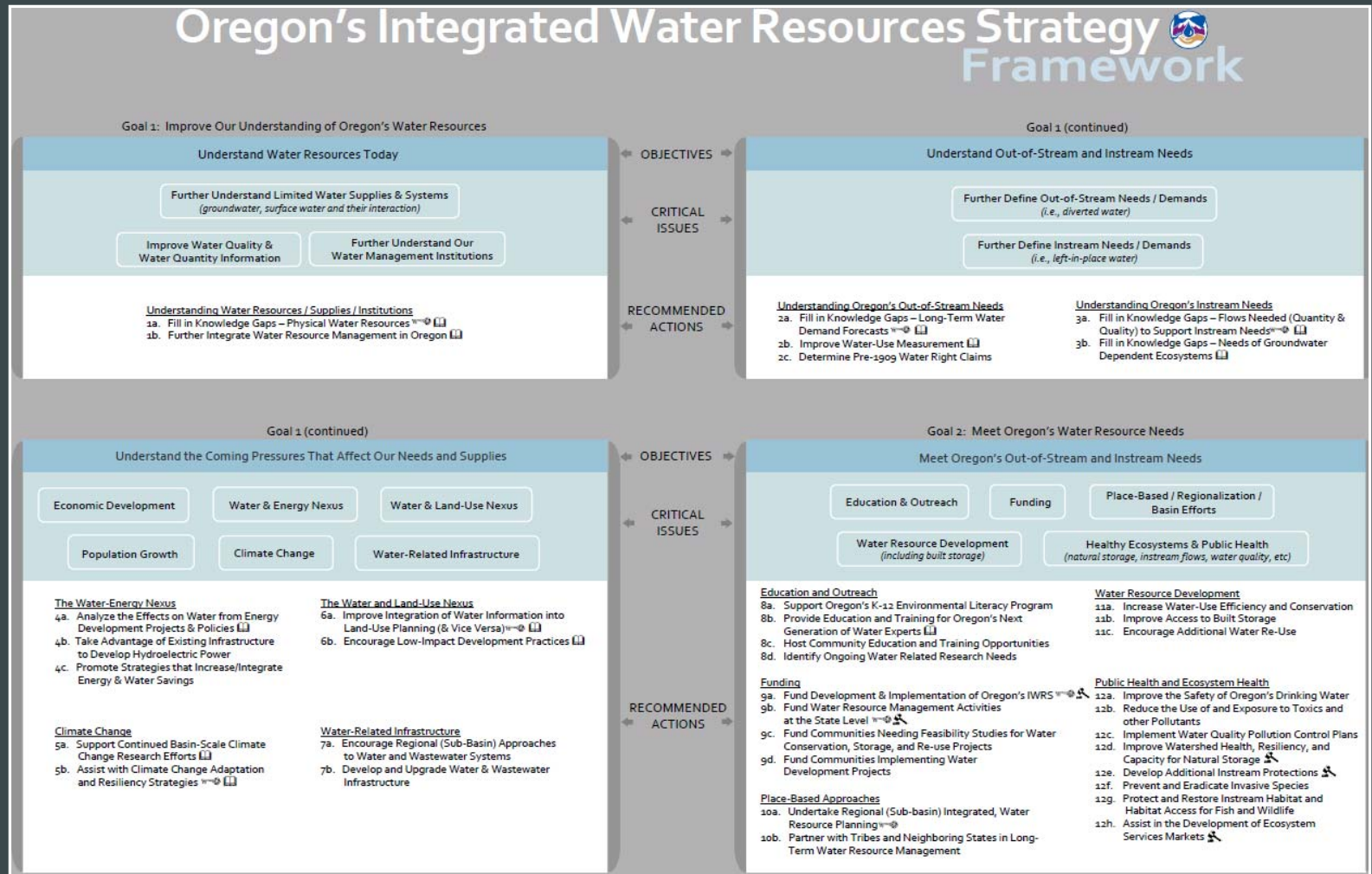


Discussion Draft: Thoughts on Implementation

- Add a Chapter to the IWRS
- Focus on the "Keys":
 - 1A (Data re Physical Water Resources)
 - 2A (Data re Long-Term Demand Forecasts)
 - 3A (Data re Instream Needs)
 - 6A (Data for Land-Use Planning)
 - 7A (Assist w/ Climate Change Adaptation)
 - 9A (Fund IWRS)
 - 9B (Fund Water Mgt at State Level)
 - 10A (Undertake Place-Based Planning)
- Develop Inter-Agency Workplan in these areas:
 - Further prioritization (by geography for example)
 - Targets (short-term and long-term)
 - Staffing and Technical Needs
 - Potential Project and Funding Partners
 - Budget

Introduction to the Discussion Draft

Updated Framework



Instream Needs



Primary Challenges Today

- Listed fish statewide, water a common theme.
- Oregon Conservation Strategy
 - H₂O Qual/Quan Key Conservation Issue
- More than just base flows
 - Peak/ecological flows
 - Flow restoration opportunities
- Climate Change



Instream Needs



ODFW Programs

- Water Quantity/Quality Program
- Conservation and Recovery Program
- Oregon Conservation Strategy
- Fish Passage and Screening Program
- Field Staff

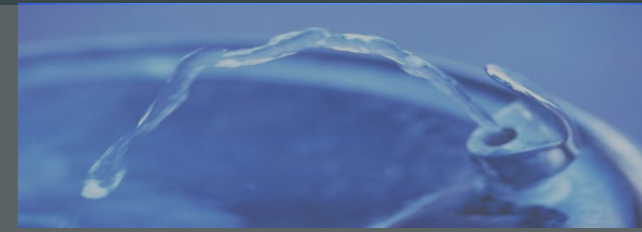
Instream Needs



Recommended Actions

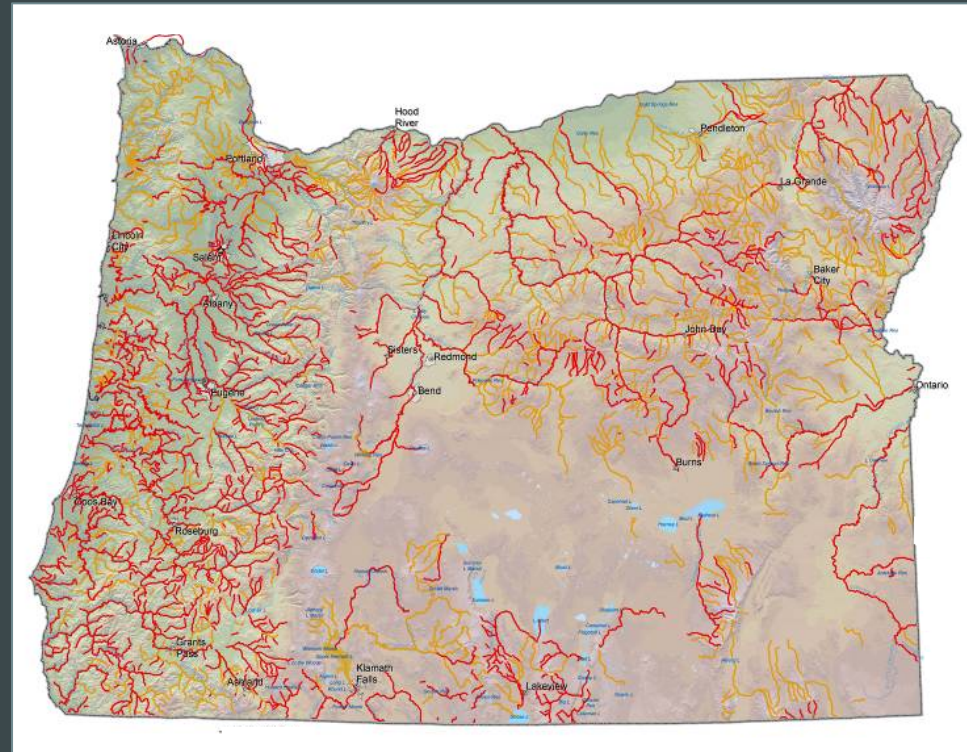
- Action 1.A Fill in Knowledge Gaps – Physical Water Resources
- Action 3.A Fill in Knowledge Gaps – Base, Peak, Ecological Flows
- Action 5.B Assist with Climate Change Adaptation and Resiliency Strategies
- Action 7.B Develop and Upgrade Water and Wastewater Infrastructure
- Action 12.D Improve Watershed Health, Resiliency, and Capacity for Natural Storage
- Action 12.E Develop Additional In-stream Protections
- Action 12.F Prevent and Eradicate Invasive Species
- Action 12.G Protect and Restore Instream Habitat & Habitat Access for Fish & Wildlife
(e.g., Implement Conservation & Recovery Plans)
- Action 12.H Assist in the Development of Ecosystem Services Markets

Water Quality Needs

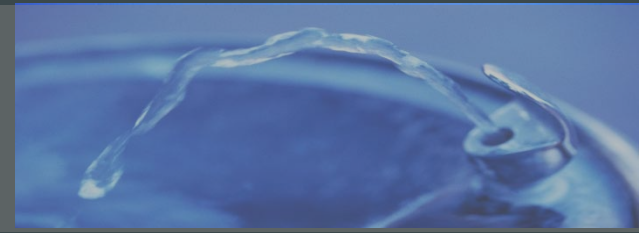


Primary Challenges Today

- Water quality problems throughout the state
- Data needs/gaps
- Nonpoint sources



Water Quality Needs

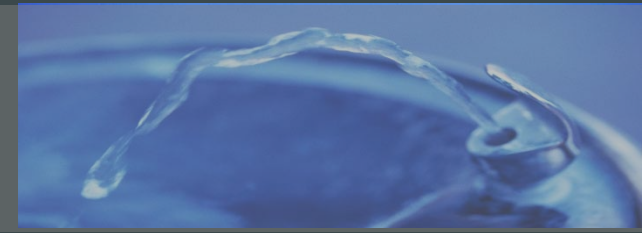


CWA Objective: Protect Beneficial Uses and Prevent Degradation

Steps in the Process

1. Determine Protection Level: Water Quality Standards
2. Assess Water Quality: Integrated Report
 - 305(b) Report
 - 303(d) List

Water Quality Needs



3. Develop TMDLs

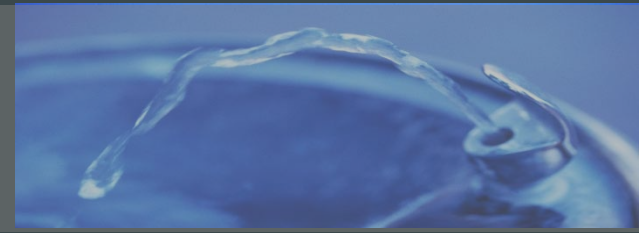
- Point sources (wasteload allocations)
- Nonpoint sources (load allocations)
- Background and Margin of Safety

4. Implement Water Quality Management Plans

- Revise wastewater permits
- Roles of ODA and ODF
- Other Designated Management Agencies

5. Monitor, evaluate and revise as needed

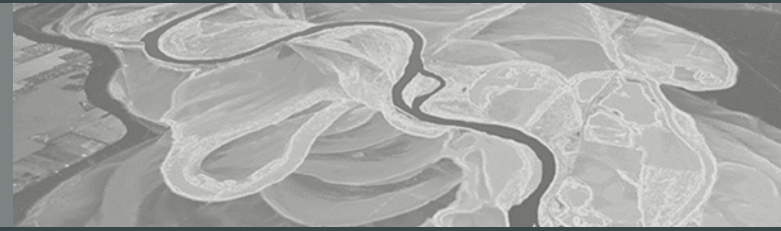
Water Quality Needs



Recommended Actions

- Action 1.A. Fill in Knowledge Gaps – Physical Water Resources
- Action 1.B. Further Integrate Water Resources Management in Oregon
- Action 7.B. Develop and Upgrade Water and Wastewater Infrastructure
- Action 9. A-D. Funding
- Action 10.A. Undertake Regional (Sub-basin) Integrated, Water Resources Planning
- Action 11.C. Encourage Additional Water Reuse
- Action 12.B. Reduce the Use of and Exposure to Toxics and other Pollutants
- Action 12.C. Implement Water Quality Pollution Control Plans

Water Quantity Needs

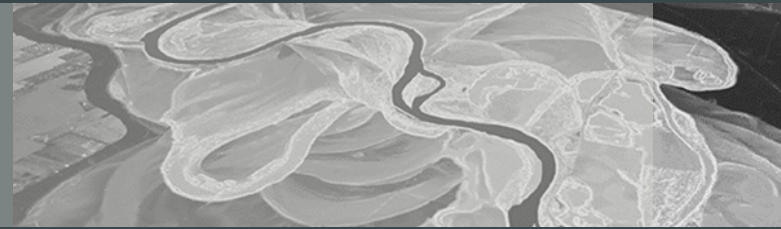


Primary Challenges Today

- Little water available in summer
- Groundwater restricted, limited, withdrawn areas

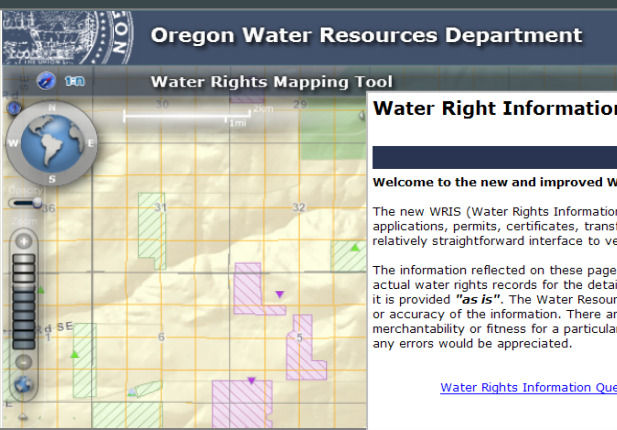


Water Quantity Needs



OWRD Programs

- water availability model, streamflow data, extensive water rights database, GW data, water-use data, mapping, etc.
- groundwater management (sw/gw connection)
- legal instream protections
- permitting, transfers, field presence



Water Right Information Search

Welcome to the new and improved WRIS - Your source for

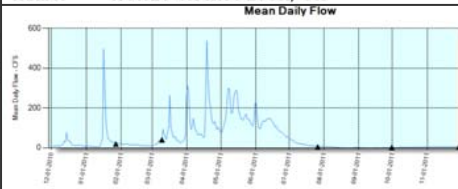
The new WRIS (Water Rights Information System) is a warehouse of water rights records for the details on any water right. It is provided "as is". The Water Resources Department cannot guarantee the accuracy of the information. There are no warranties, express or implied, for any particular purpose, and we do not assume any liability for any errors or omissions that may appear in this information.

The information reflected on these pages is derived by interpreting actual water rights records for the details on any water right. It is provided "as is". The Water Resources Department cannot guarantee the accuracy of the information. There are no warranties, express or implied, for any particular purpose, and we do not assume any liability for any errors or omissions that may appear in this information.

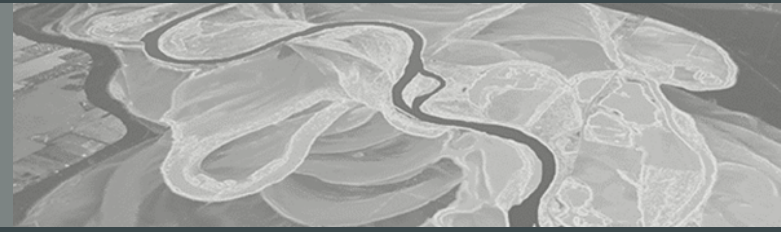
[Water Rights Information Query](#) [Platcard](#) [POU Search](#)

OWRD Near Real Time Hydrographic Data

Station: 10378500 [View: Map](#) - [Station Info](#) - [Historical Stats](#) - [Rating Curve](#)
Name: HONEY CR NR PLUSH, OR



Water Quantity Needs



Recommended Actions

- Action 1.A. Fill in Knowledge Gaps – Physical Water Resources**
- Action 2.A. Fill in Knowledge Gaps – Long-Term Water Demand Forecasts**
- Action 2.B. Improve Water-Use Measurement**
- Action 6.A. Improve Integration of Water Information into Land-Use Planning (& Vice Versa)**
- Action 9.A. Fund Development & Implementation of Oregon's IWRS**
- Action 9.B. Fund Water Resource Management Activities at the State Level**
- Action 11.A. Increase Water-Use Efficiency and Water Conservation**
- Action 11.B. Improve Access to Built Storage**

Next Steps

- Calendar for meeting with Boards/Commissions ■
- 2012 Public Outreach. March 15 final public comments ●
- April 19 WRC Meeting ▲
- August WRC Meeting
- Some implementation requires no legislative action
- Some entail budget / legislative requests for 2013

February 2012						
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27	28	29				

16 Env'l Quality Com.

March 2012						
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7 Agriculture (a.m.)
Forestry (p.m.)

9 Fish & Wildlife

20 DOGAMI

April 2012						
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30						

25 EQC/Forestry
Joint Mtg

Q & A

- Feedback on “key” recommendations. Are keys in the right place?
- Do you see any red flags? Glaring omissions?
- Any other issues?