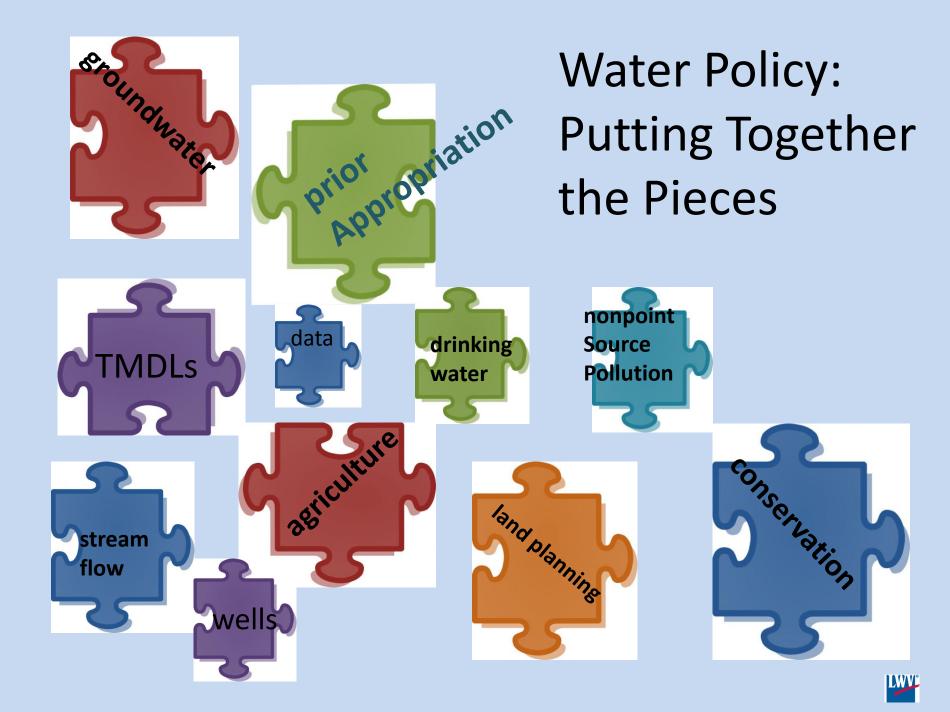
Water In Oregon – Not a Drop to Waste

Part 2: Issues and Perspectives



League of Women Voters of Oregon Education Fund March 2010



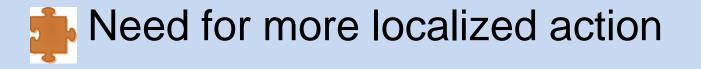


The Management of Water

Multiple managers – DEQ, WRD, ODA, ODFW, etc.

Fragmented and "siloed"

- Cooperation, communication
- Funding, information tracking





Management: 4 Areas of Concern





Information Tracking





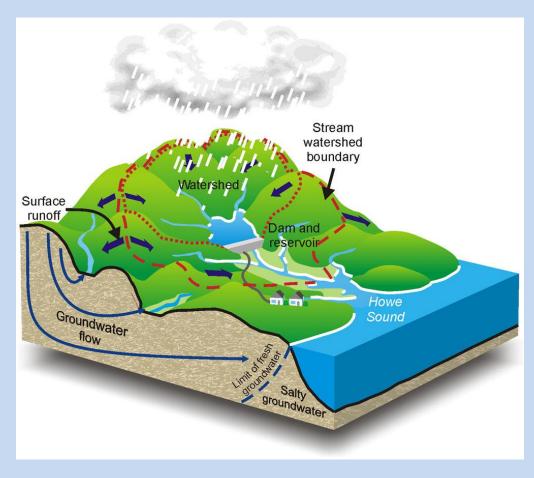




Communication



Watershed



http://geoscape.nrcan.gc.ca/h2o/bowen/images/watershed_e.jpg

Includes:

•The entire drainage to a body of water

•Local groups, local economy and government

•The geology, flora, fauna





- Filling the gaps
- Adequate data
- Uniform quality standards
- Evaluation of how factors interact in specific waters
- Funding for data
- Data that are used
- A central data repository

Flow Temperature Turbidity ALC: NOT THE OWNER. the property of a part of the " Data Progerica Specific Conductivity and 100

0.7240

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Challenges for Water Water Rights Prior appropriation – long history Established rights used for planning In-stream rights are junior The Endangered Species Act





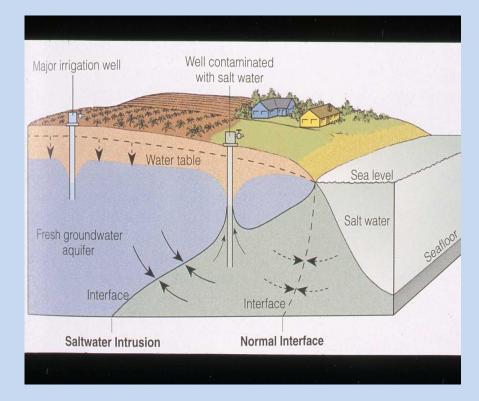




Challenges for Water

Groundwater Contamination and Loss

- •Water levels dropping
- Contamination
- More data needed
- •Tracking of wells and septic systems needed



Miller, G. Tyler JR, 1995, Environmental Science: Working With the Earth, Ed V, Wadsworth Publishing. Co. California pp 273 Figure 11-17



Challenges for Water



Water Temperature





Non Point Source Pollution





Challenges for Water









Agriculture



 Irrigation – improved methods

Aquifer recharge

Storage

•Controlled use of pesticide and fertilizer



Pivot circles Hermiston, OR



Industry and Commerce

- Cost/ benefit analysis
- Permitting

•Priority goals







Municipalities



Permits

- •Water plans
- Public education
- •Improved waste water treatment
- •Funding needed









Redesign of logging roads and culverts

- •Riparian management
- •Planting requirements
- Scientific studies





Involving the Public

 Recognizing that traditional methods are not always effective

- Developing new approaches to reach the public
 - Incentives
 - Legislation
 - Social marketing



Integrated Water Resources Strategy

- State study of water issues in order to develop an integrated strategy
- Headed by WRD, includes DEQ, ODA, ODFW
- Public hearings and information



Preliminary 2009-2012 Work Plan

Oregon's Integrated Water Resources Strategy: An Action Agenda for the Next Five Years

Water is one of Oregon's most precious natural resources. With more than 100,000 miles of rivers and streams, 360 miles of coastline, and some of the cleanest lakes in the world, Oregon is renowned for its water. Our rivers and streams not only provide natural beauty, but they supply the water necessary for drinking, recreation, industry, agriculture, and fish and wildlife.

Today, however, water resource management in Oregon is facing a number of significant challenges. Surface water is nearly fully allocated during the summer months and groundwater is showing declines in many areas. More than 1,861 water bodies are impaired and not meeting water quality standards. Twenty-four fish species have been identified as Threatened or Endangered under the Federal Endangered Species Act, while another 31 are listed as state sensitive species.

An integrated water resources strategy will provide an action agenda for the state to follow as it prepares to meet Oregon's water needs: instream and out-of-stream; above ground and below ground; now and in the future. The success of such a strategy will hinge on how well it integrates water quantity, water quality and ecological issues. Because these three issues are closely linked, Oregon must examine and address water resource issues in a holistic manner. Such a strategy will also provide a framework for local entities to use as they dedicate their own limited resources to water resource efforts.

http://www.oregon.gov/OWRD/LAW/Integrated_Water_Supply_Strategy.shtml



PUTTING IT ALL TOGETHER

Learn

Plan

Act







 The League is grateful to: **Stakeholders that granted interviews** Our editors and reviewers Financial support from members and donors The League appreciates the specific project donations and grants from -Eugene Water and Energy Board -The Mountaineers Foundation: www. Mountaineersfoundation.org



League of Women Voters of Oregon Education Fund