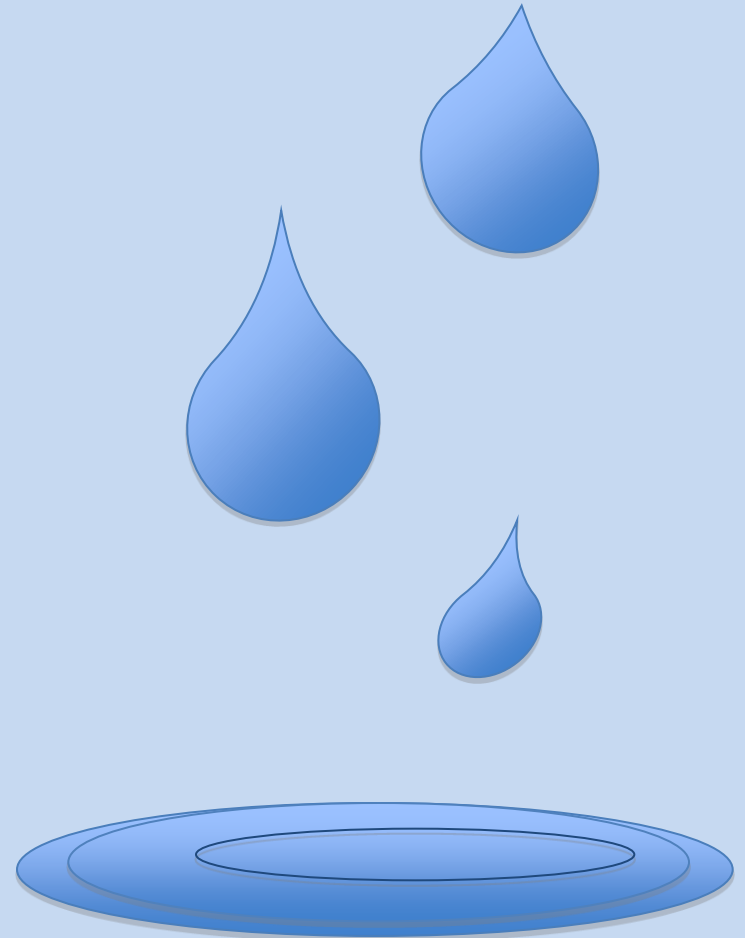


Water In Oregon – Not a Drop to Waste

Part 2: Issues and Perspectives



League of Women
Voters of Oregon
Education Fund
March 2010




Water Policy: Putting Together the Pieces



The Management of Water

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

 Fragmented and “siloed”

- Cooperation, communication
- Funding, information tracking

 Need for more localized action

Management: 4 Areas of Concern



Cooperation



Information Tracking

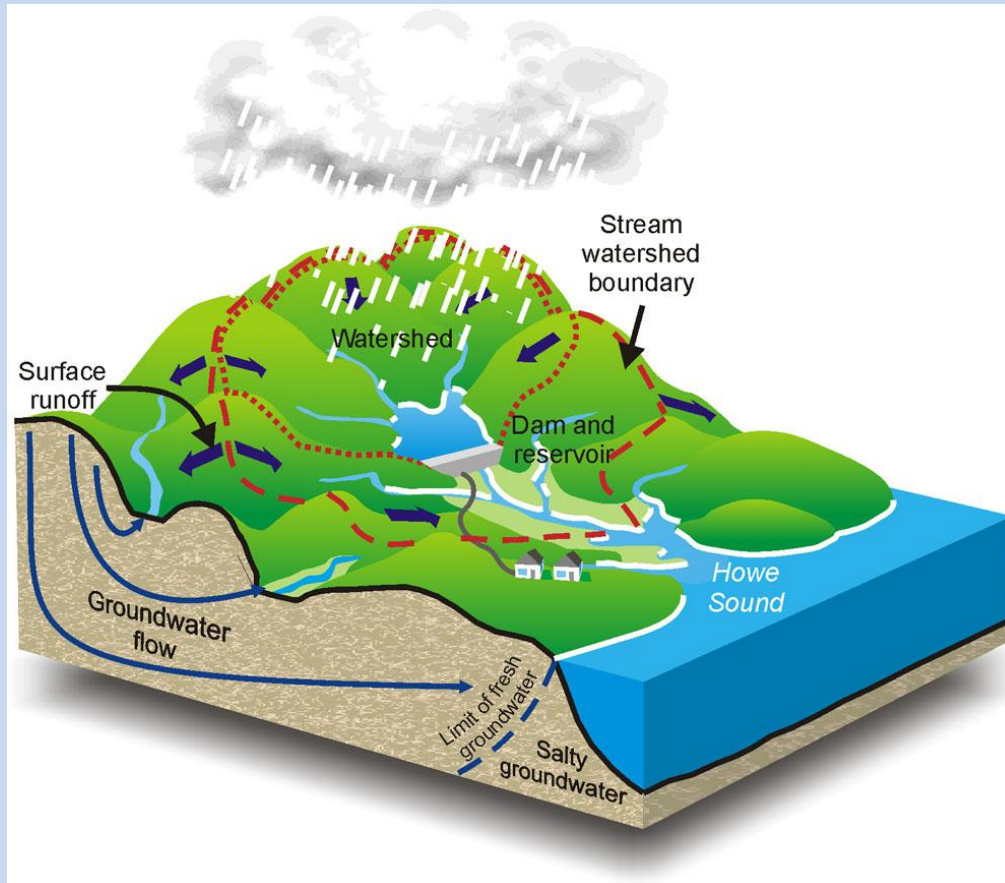


Funding



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

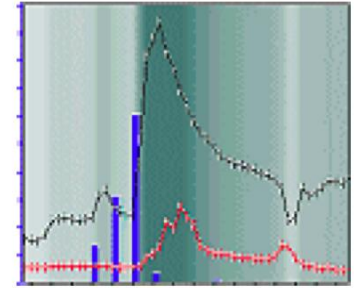


Data Need

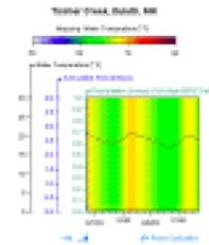
- Filling the gaps
- Adequate data
- Uniform quality standards
- Evaluation of how factors interact in specific waters
- Funding for data
- Data that are used
- A central data repository



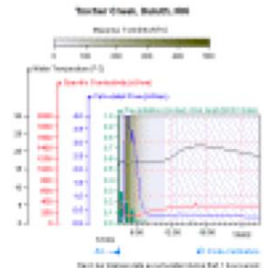
Flow



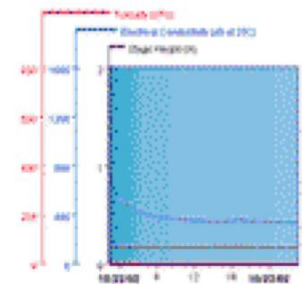
Temperature



Turbidity



Specific Conductivity



Challenges for Water



Water Rights

Prior appropriation – long history

Established rights used for planning

In-stream rights are junior

The Endangered Species Act



Future Water Demand



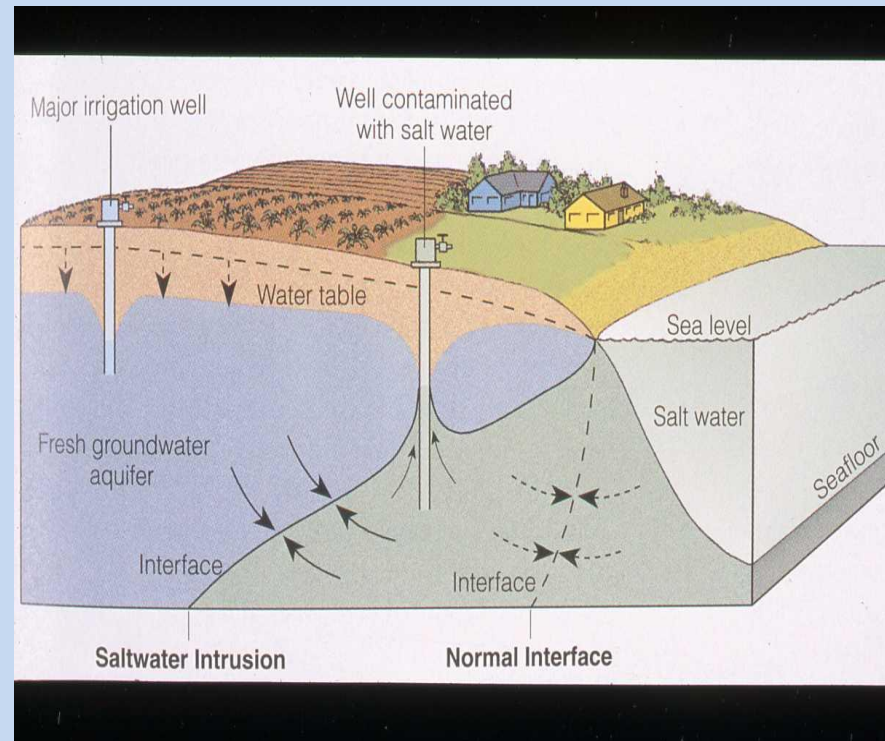
Stream Flow



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



Point Source Pollution



Non Point Source Pollution



Total Maximum Daily Loads

Challenges for Water



Trace Pollutants



Land Use Planning



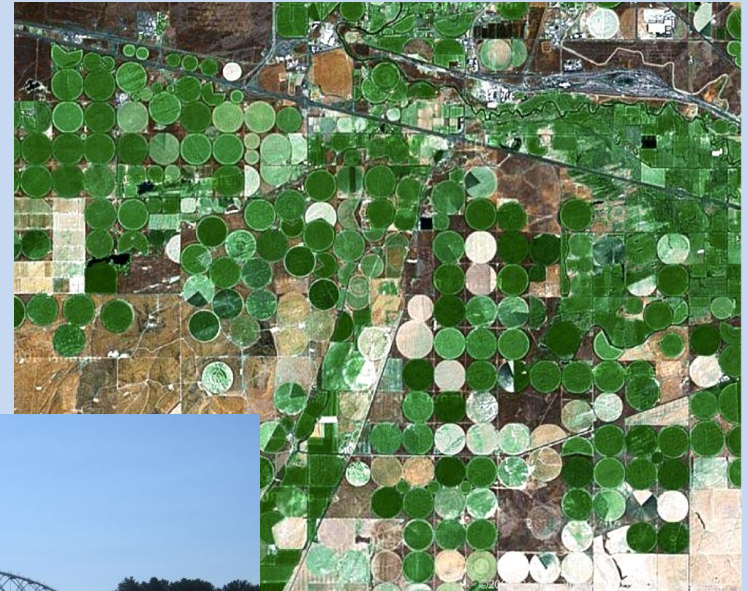
Climate change

Conservation and Protection of Water:

Agriculture



- Irrigation – improved methods
- Aquifer recharge
- Storage
- Controlled use of pesticide and fertilizer



Pivot circles
Hermiston, OR

Conservation and Protection of Water:

Industry and Commerce



- Cost/ benefit analysis
- Permitting
- Priority goals

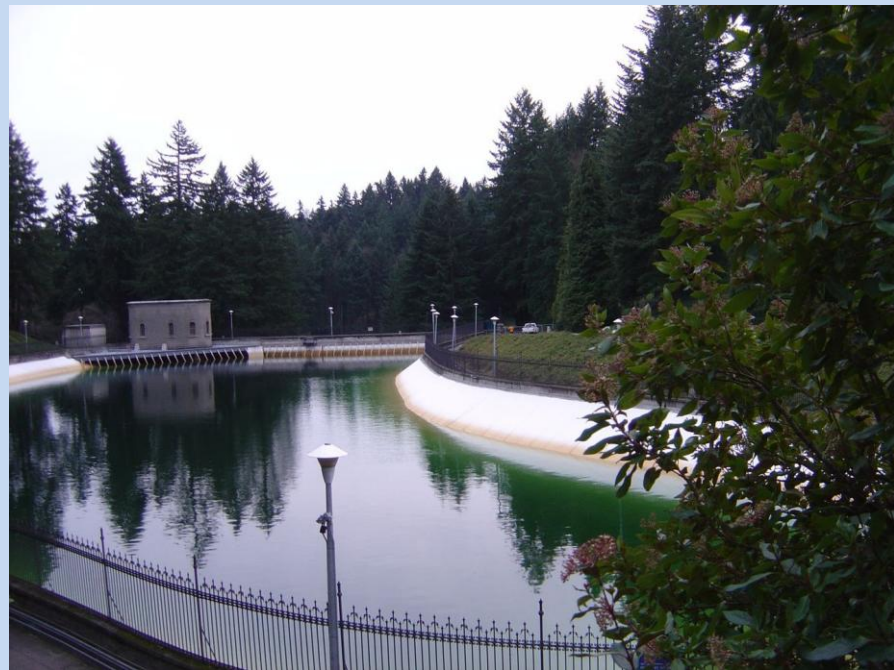


Conservation and Protection of Water:

Municipalities

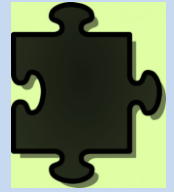


- Permits
- Water plans
- Public education
- Improved waste water treatment
- Funding needed

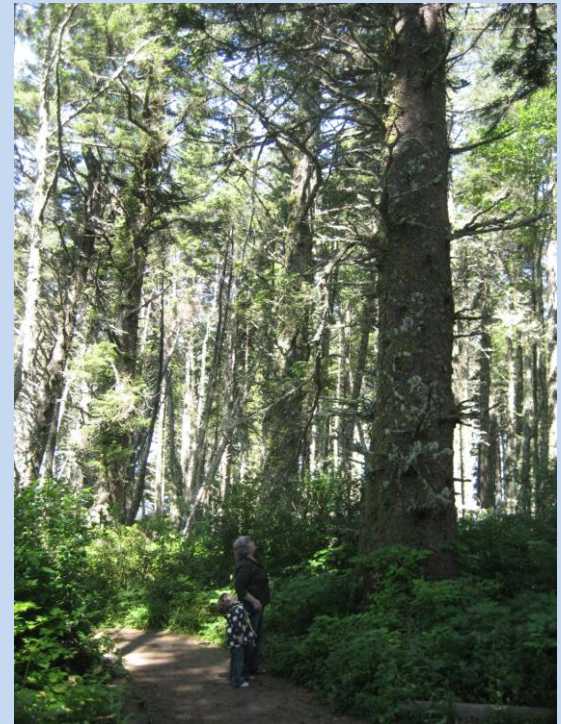


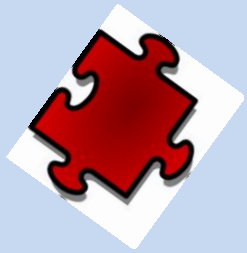
Conservation and Protection of Water:

Forestry



- Redesign of logging roads and culverts
- Riparian management
- Planting requirements
- Scientific studies



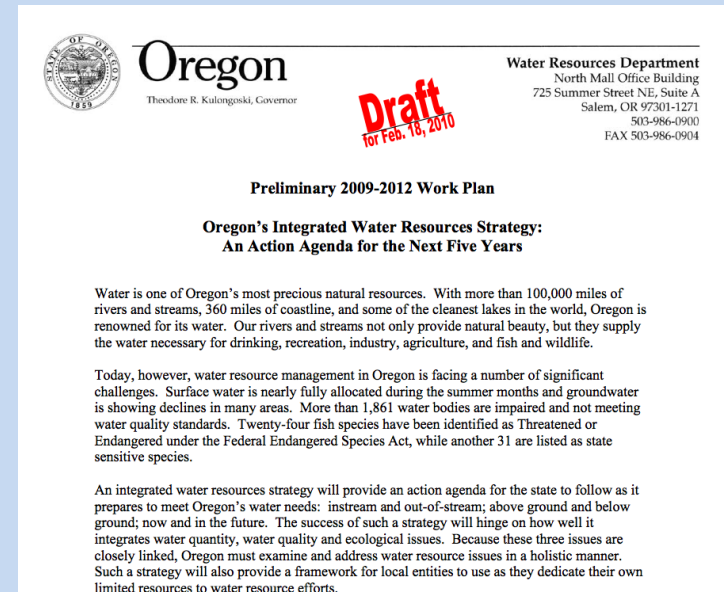


Involving the Public

- 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



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



PUTTING IT ALL TOGETHER

Learn

Plan

Act



LWVOR
www.lwvor.org

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League of Women Voters of Oregon Education Fund