## Measure 37 and Oregon's Groundwater

## A Paradigm Shift from Water Management to Water Planning?

Todd Jarvis, Oregon State University





Thank you for your attention...



Is this the last word on this issue?

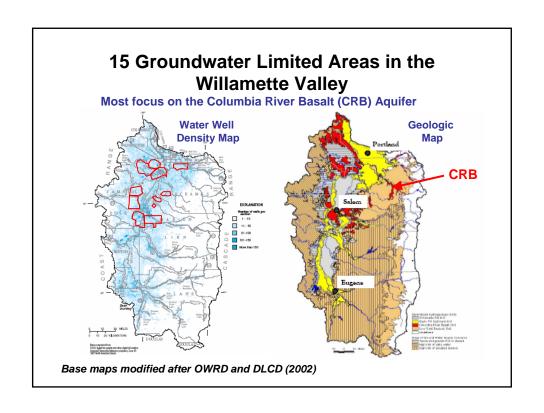
### Oregon Water & Land Use Laws Never Have Fit Together

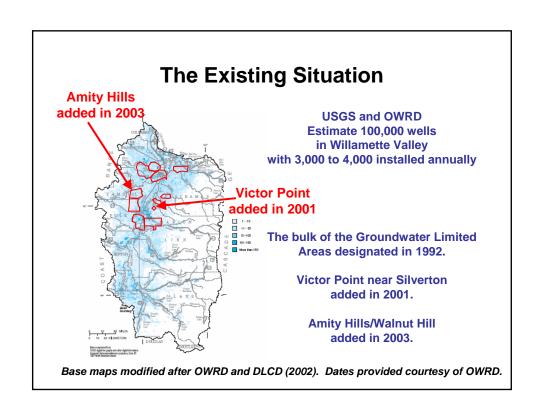
- "The water basin planning provisions of ORS Chapter 536 have never been reconciled with the land use planning requirements of ORS Chapter 197"
- "Regulation of water quantity under ORS 537 has never been integrated with water quality regulation under ORS 468B"

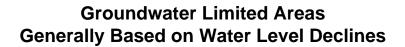
Testimony of Gail Achterman on H.B. 2812 – Director, Institute For Natural Resources

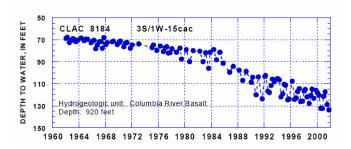
## Post Measure 37 Has Focused on Primarily on Land Use

Before Measure 37	After Measure 37
Zone change applications for rural residential acreage within a Groundwater Restricted Area designed to comply with Statewide Planning Goal 5 (Conservation of Natural Resources)	<ul> <li>Statewide Planning Goal 5 does not apply.</li> <li>Measure 37 basically invalidates a Groundwater Restricted Area development inventory.</li> </ul>





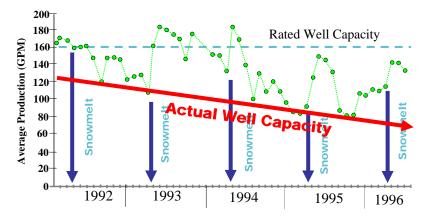




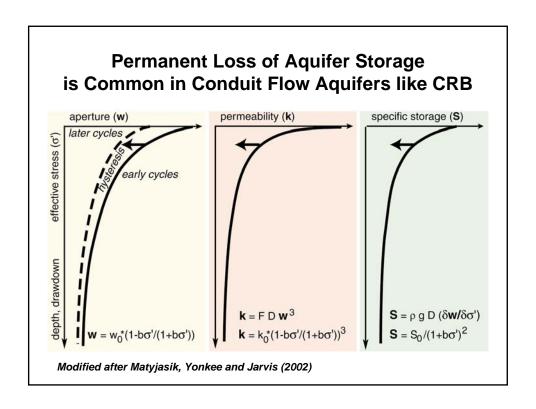
Water levels in wells tapping the basalt aquifers have dropped over 60 feet in 40 years in Willamette Valley.

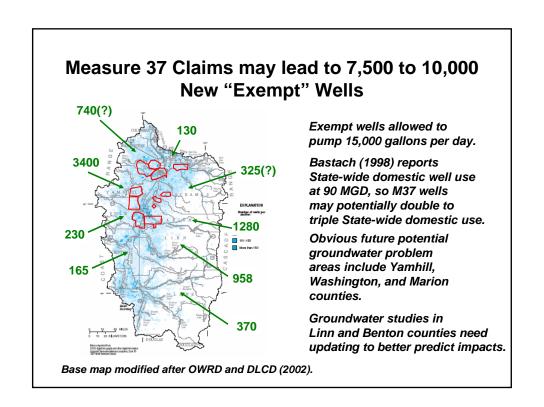
Modified after OWRD and DLCD (2002)

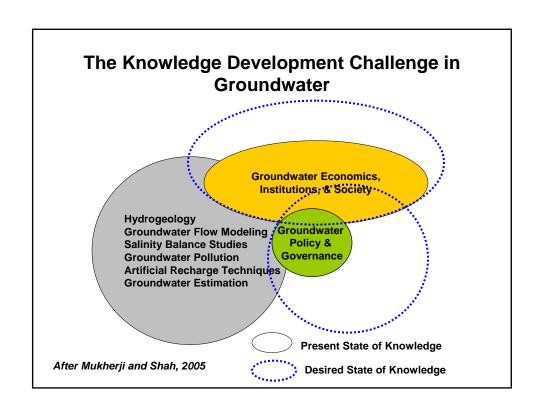
# Experience Elsewhere in the Western US Reveals Long-Term Production Trends are a Better Planning Metric



Data courtesy of Summit Park Water Special Service District, Utah







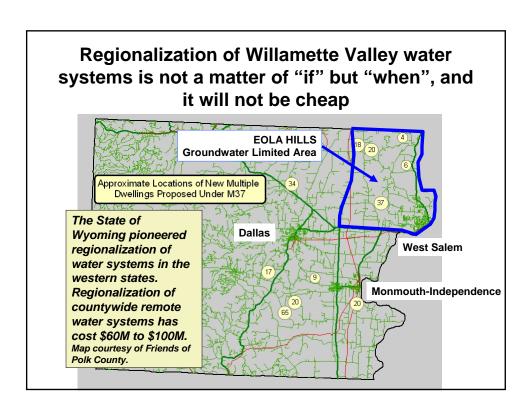
#### Water As Land Use Regulation

State	Concurrency Systems
Florida	1st Comprehensive Plan in US in 1970s     Enforcement relies on good faith of local govt. and citizen action
Vermont	Permit for Development controlled by regional commission     Lacks flexibility
Maryland	Encourages counties to adopt concurrency ordinances rather than by state requirement
Wyoming	1999 - Subdivision Law requires proof of water and wastewater     2001 - "Repealed" by watered down version

Modifed after Strachan (2001)

#### Water As Land Use Regulation

State	Concurrency Systems
Utah	<ul> <li>Dept. of Env. Quality System Standards exist but not enforced.</li> <li>2001 - Summit County requires developers to have "wet" water.</li> </ul>
California	<ul> <li>California Subdivision Map Act</li> <li>Subdivisions &gt; 500 lots - sufficient water supply must be available with written verification of sufficient water supply.</li> </ul>
Oregon	No statewide standards.     Marion County Sensitive Groundwater Overlay Zones Studies     2005 - Clackamas County Development Standards



## **Expect Legal Challenges to Water As Land Use Regulation**

Rough Water Ahead: Retain Experienced Counsel

Takings Clause of 5<sup>th</sup> Amendment

**Right to Travel Due Process** 

**Equal Protection** 

**Antitrust** 

Modified after Strachan (2001)

## Suggested Policies for Intensive Exploitation of Willamette Valley Aquifers

- Concurrency requirements for developers, both large and small, based on actual "wet" water, not paper water rights, hydrogeologic studies, or engineering projections.
- Public education and information programs using limitation of water availability warranty for homes based on groundwater systems.
- Apply a groundwater usage fee or "extraction tax" on all new wells to fund regular well testing, groundwater exploration and/or conjunctive use projects.

## Message from 2005 World Water Week in Stockholm, Sweden

• "Land Management is Water Management"

### Message from 2005 Groundwater Under the Pacific Northwest Conference

• "Land Planning is Water Planning"

A final thank you for your kind attention.