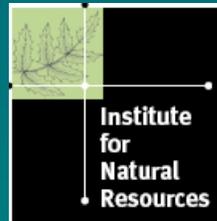


Oregon Coastal Community Water Supply Assessment

Lisa J. Gaines



Oregon State University

Newport Water Roundtable

30 September 2008

The Questions

- Does water supply constrain economic development?
- Do local officials have the information they need about available water supplies?
- How capable are local water providers to meet new Water Management and Conservation Plan requirements?

Introduction

Databases

Interviews

Conclusions

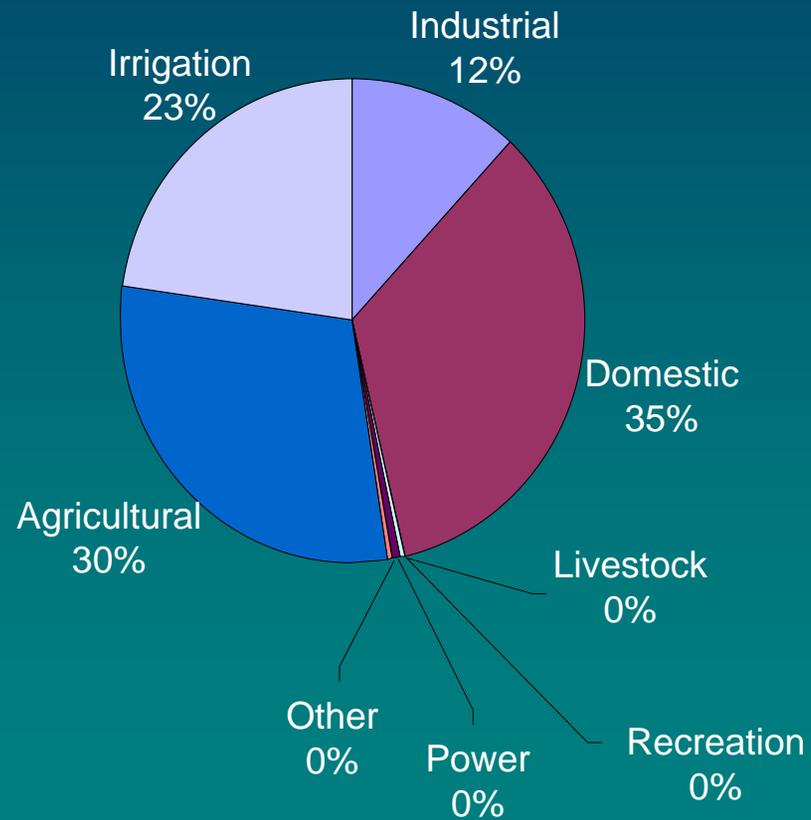


Water Suppliers

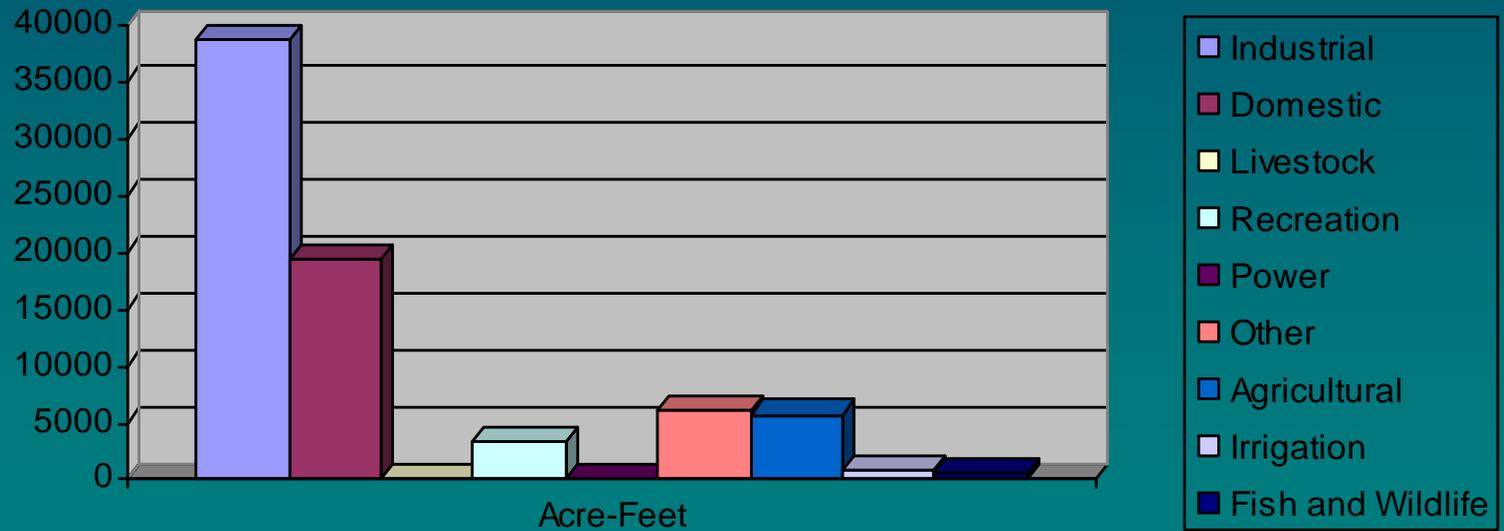
Coastal Community Water Suppliers				
Size of community served *	Number of water suppliers (n=180)	Total population served	Water supply ownership	Primary source of water
Large	5	79,745	Local government	Surface water
Medium	4	23,700	Local government	Surface water
Small	171	90,466	Various ownerships	Surface water

* Small (5,000 or less); Medium (5,001-10,000); Large (more than 10,000)

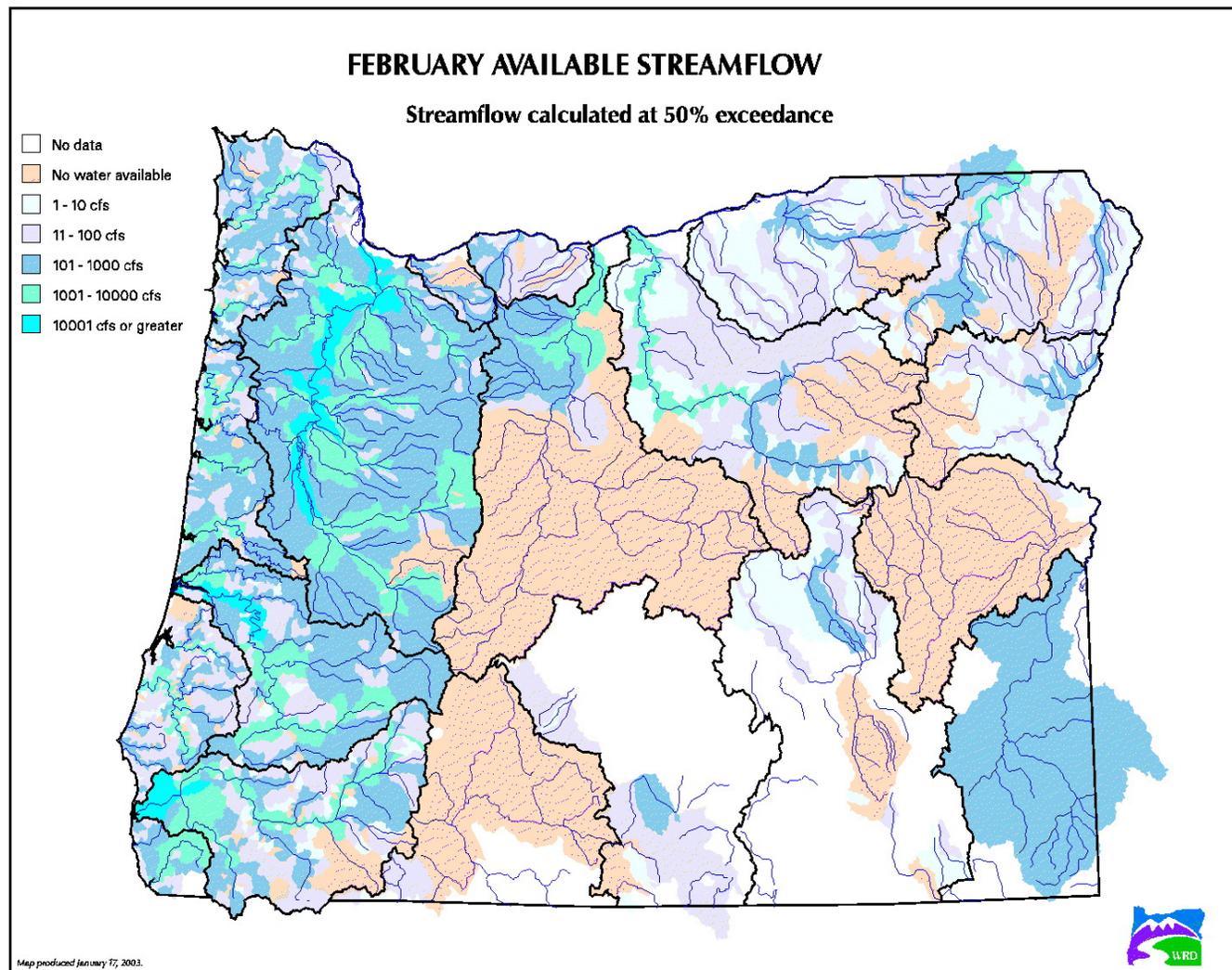
Water Uses



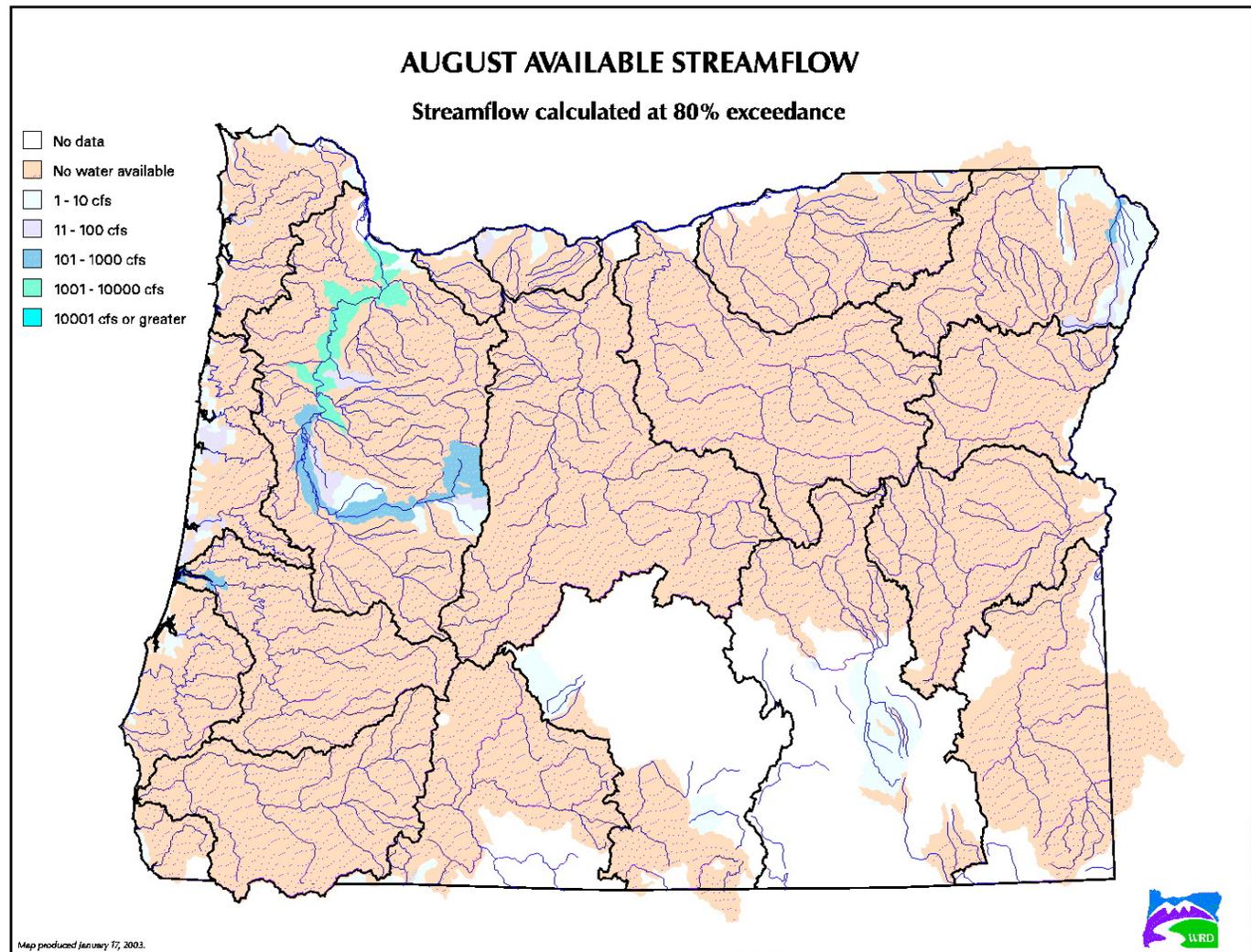
Water Storage



Water Availability



Water Availability



Challenges & Opportunities

CHALLENGES

- Coastal Geography
- Seasonality
- Environment
- Water Rights Administration
- Service Territories and Consolidation
- Funding
- Infrastructure
- Institutional
- Local Capacity

OPPORTUNITIES

- Partnerships
- Reallocation
- Conservation and Environmental
- Research and Technical Assistance

The Questions Revisited

- Economic development and diversification constrained by municipal and industrial water supply limitations?
- Lack of comprehensive water resource availability information?
- Coastal communities hard pressed to prepared WMCPs due to lack of readily available information?



Institute for Natural Resources
Oregon State University
<http://inr.oregonstate.edu/>