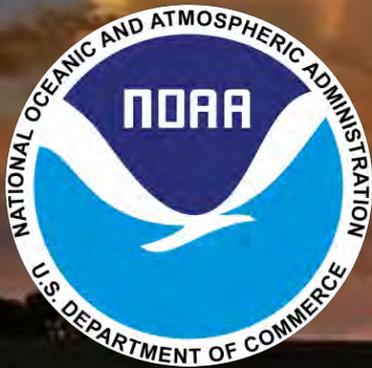


Water Outlook from Washington D.C.



Laura Furgione

*Deputy Director,
National Weather Service*

Oklahoma Governor's Water Conference & Research Symposium
October 26, 2010

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KLAHOMA

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OKLAHOMA CITY / NORMAN

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FORECAST OFFICE

**NATIONAL SEVERE STORMS
LABORATORY**

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KLAHOMA

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N KLAHOMA A A



Water

- Too Much
- Too Little
- Poor Quality



Water

- **Too Much**
- **Too Little**
- **Poor Quality**



Water

- **Too Much**
- **Too Little**
- **Poor Quality**



Water

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- **Too Little**
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- **Too Little**
- **Poor Quality**



Water

- **Too Much**
- **Too Little**
- **Poor Quality**



TOP!
STORY!
WEEKLY

OKLAHOMA FLOODING

Water

- Too Much
- Too Little
- Poor Quality



Water

- Too Much
- Too Little
- Poor Quality



Water

- Too Much
- Too Little
- Poor Quality



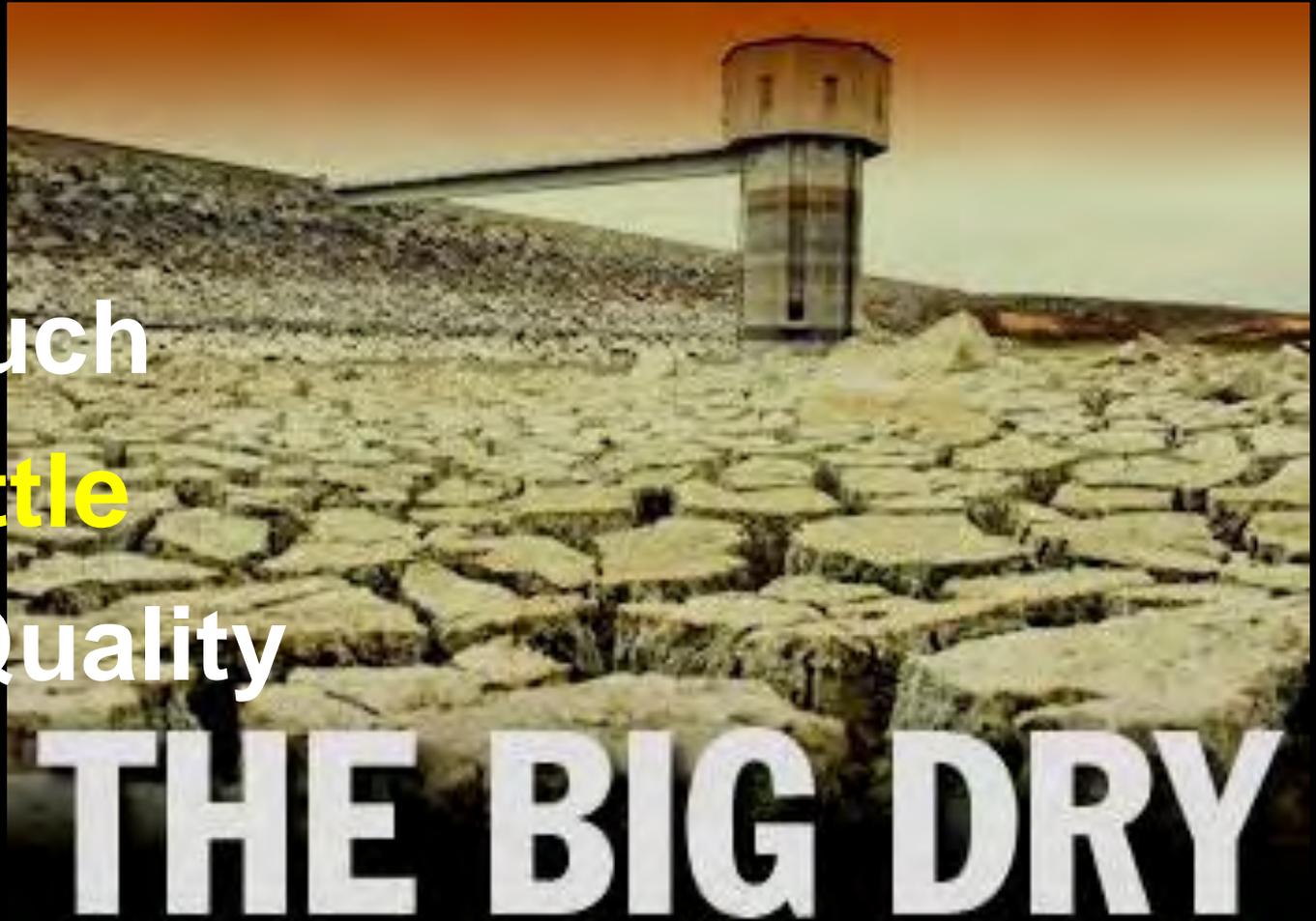
Water

- Too Much
- Too Little
- Poor Quality



Water

- Too Much
- Too Little
- Poor Quality



THE BIG DRY

Water

- Too Much
- Too Little
- **Poor Quality**



Water

- Too Much
- Too Little
- **Poor Quality**



Water

- Too Much
- Too Little
- **Poor Quality**



Water

- Too Much
- Too Little
- **Poor Quality**



“In this century, the U.S. will be challenged to provide sufficient quantities of high-quality water to its growing population.”
“Nearly half of the streams and lakes in the U.S. are not clean enough to sustain swimming and fishing, and our infrastructure has been given a D grade.”
- *National Research Council
- American Society of Civil Engineers*

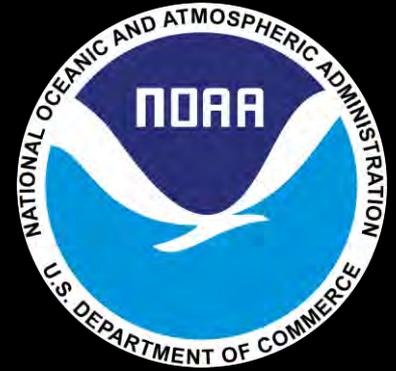
NATIONAL IMPERATIVE

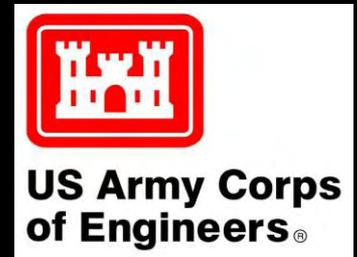
“Competition for increasingly limited freshwater resources will make “water supply availability a major economic driver in the 21st century”.

- *Nature*

- New and more integrated information to help society anticipate and respond to climate change and its impacts.
- Help the nation's water managers more effectively and efficiently manage water supplies in a changing and uncertain environment.

The Climate Service





Integrated Water Resources Science and Services (IWRSS)

IWRSS will support next-generation adaptive water-related planning, preparedness and response activities

**Improved
Information
and Services**

IWRSS Goals

1

Integrate information and simplify access

2

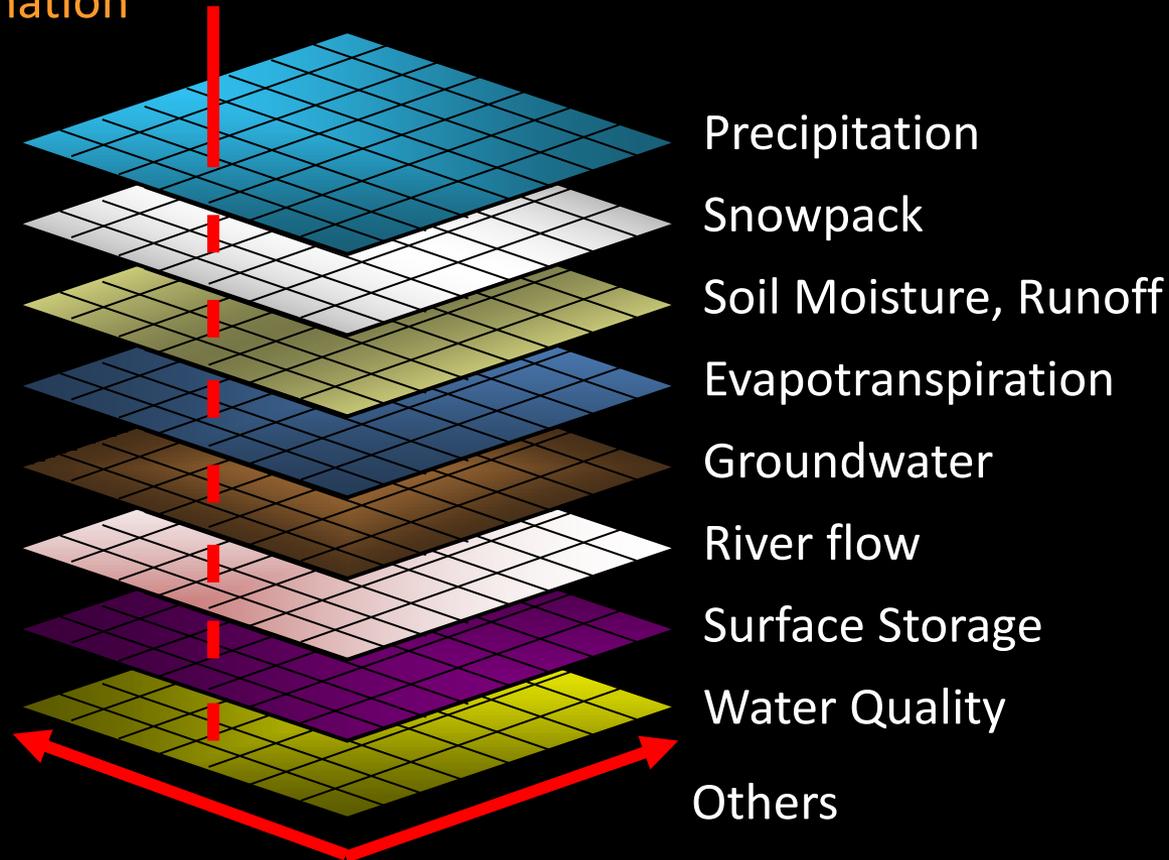
Increase Accuracy and Timeliness Water Information

3

Provide New Summit-to-Sea High-resolution Water Resources Information and Forecasts

IWRSS “summit-to-sea” high-resolution water resources information and forecasts

Local Information



Watershed – to – National
Information

IWRSS Implementation Themes



Human Dimensions

- Stakeholder Interactions and Communications



Technical

- Information Services

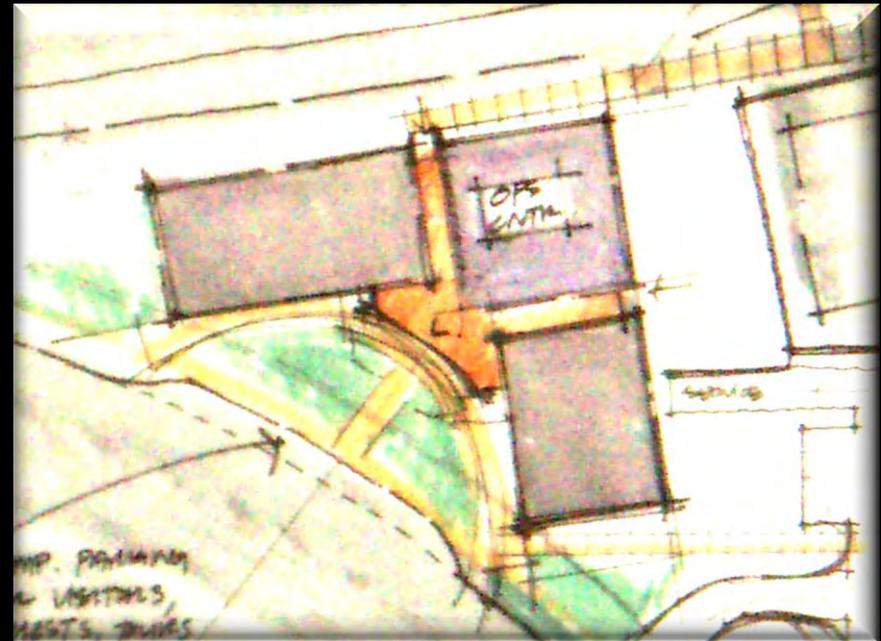


Operational Science

- Summit-to-Sea Modeling and Prediction Framework

National Water Center

- IWRSS envisions a unique facility combining water resource forecasting operations, national support, and research and development.
- Provide high-resolution forecasts of water resource variables
- Establish Common Operating Picture among federal agencies
- Provide One-Stop Shopping for integrated water resources information
- Leverage multi-agency capabilities and accelerate research-to-operations



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Thank you
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