

Perspectives on Climate Change From the Sustainable Water Resource Roundtable

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Sustainable Water Resources Roundtable

**A national collaboration of
federal, state, local, corporate,
non-profit, and academic
interests**

SWRR's Mission

To promote sustainability of our nation's water resources through ...

- Evaluation of information
- Development & use of indicators
- Targeting of research
- Engagement of people & partners

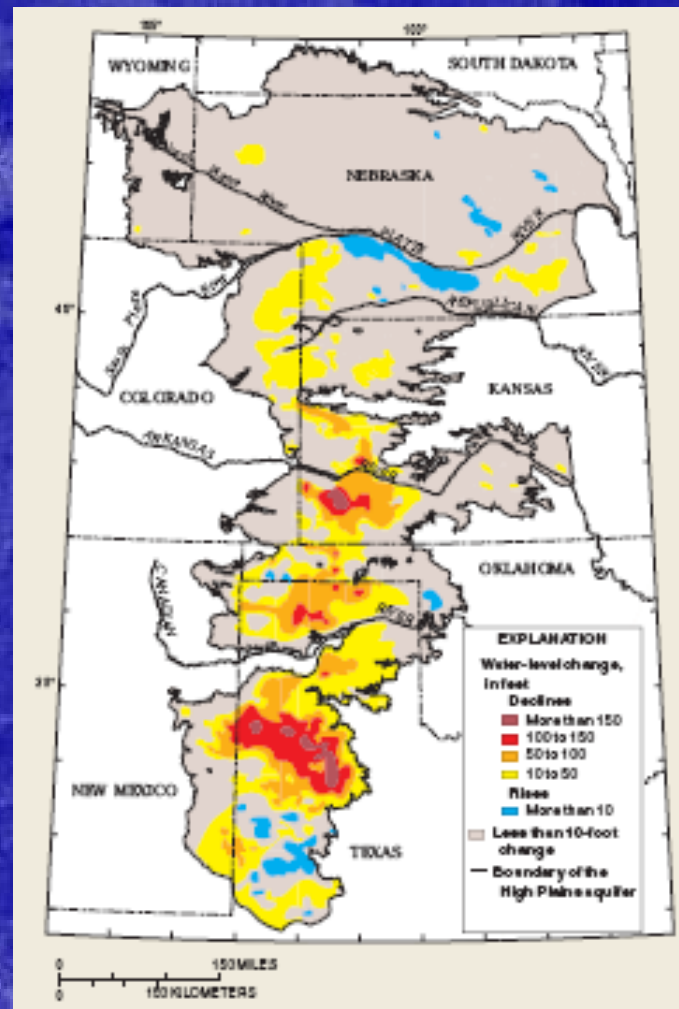
Climate Change and Water

- **North Atlantic hurricanes have increased**
- **Heat waves are increasing**
- **Frost-Free Days Are Increasing**
- **Widespread melting of snow and ice -
Glaciers and frozen ground are receding**
- **Changes in Precipitation patterns and
amounts (droughts)**

Proposed Framework for Organizing Water Sustainability Indicators

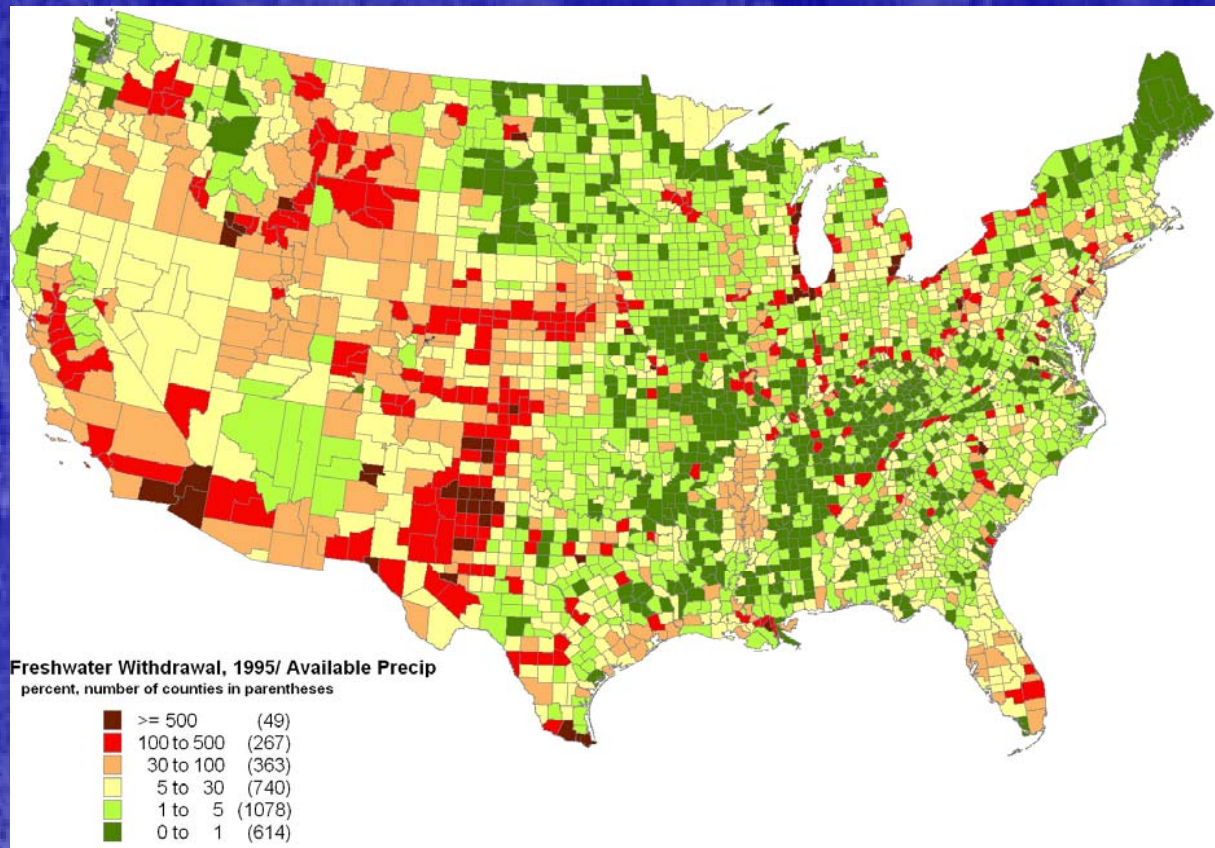
- A. Water availability**
- B. Water quality**
- C. Human uses and health**
- D. Environmental health**
- E. Infrastructure and institutions**

Ground Water Levels in the High Plains



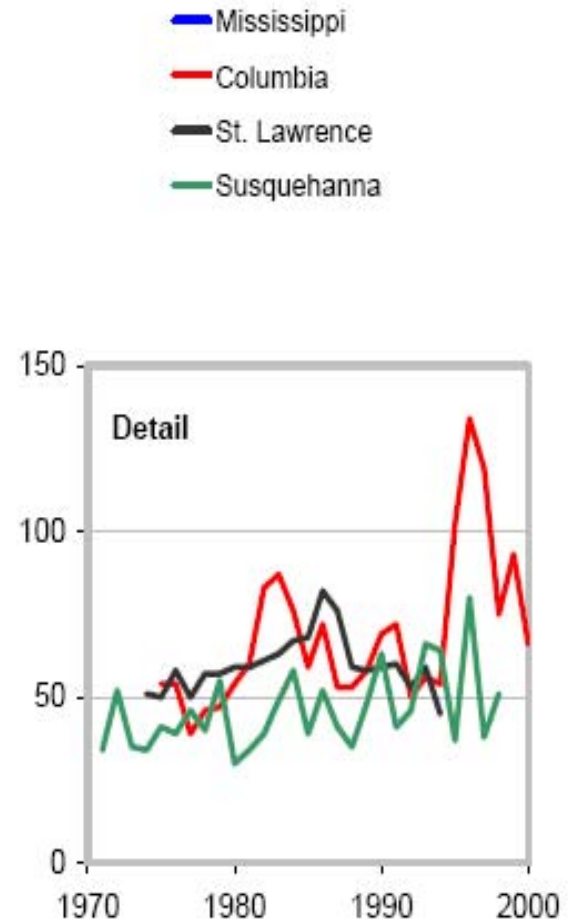
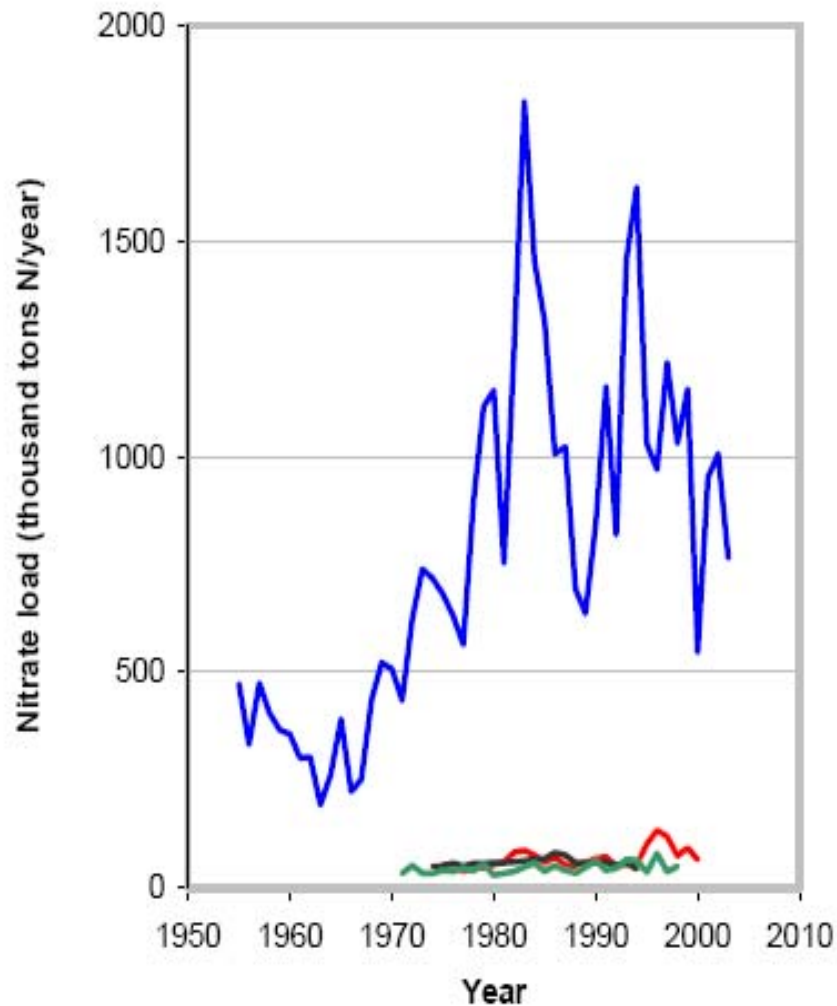
Water Use Sustainability

Withdrawals as a % of available precipitation, 1995

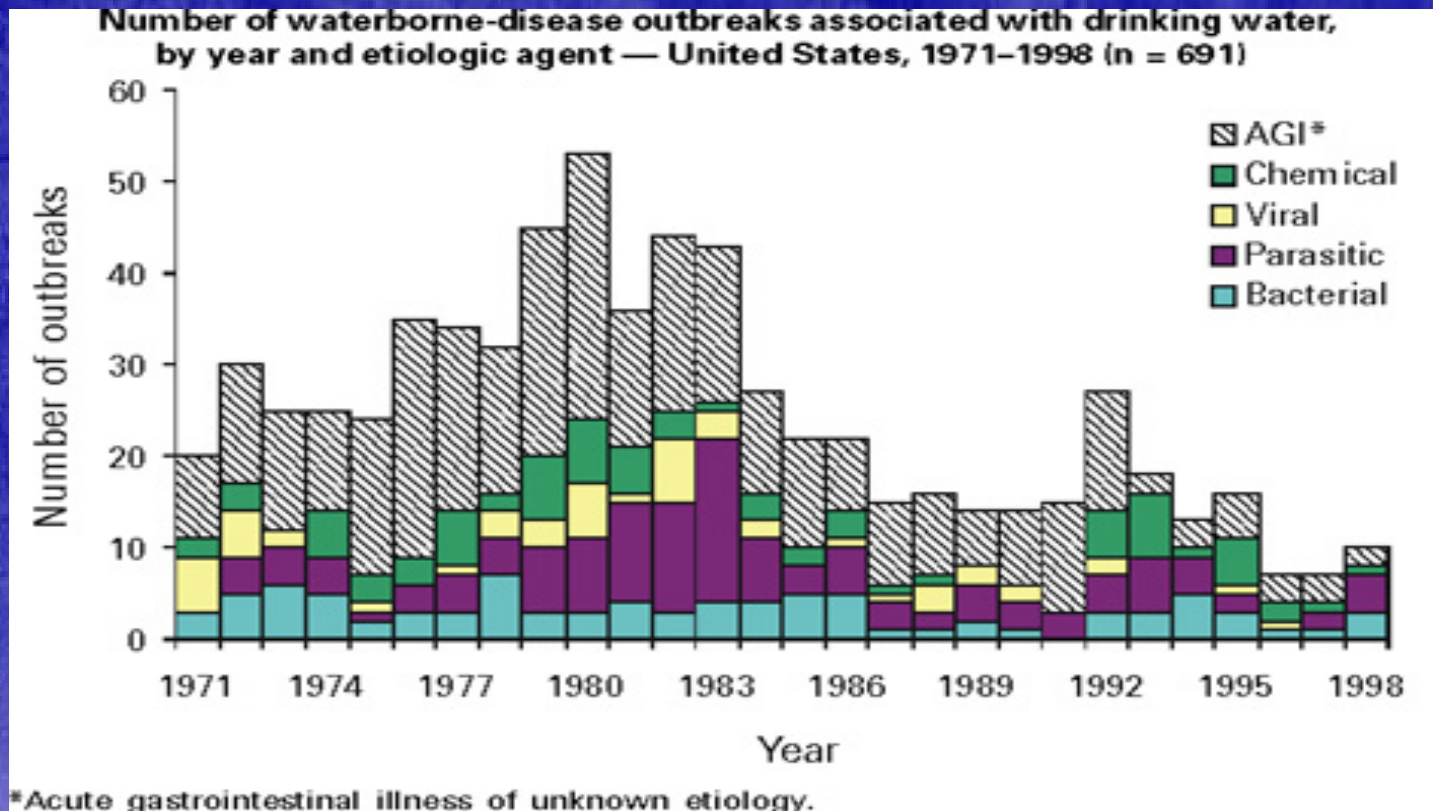


Source: S. Roy, K. Summers and R. Goldstein

Nitrate Load Carried by Major Rivers

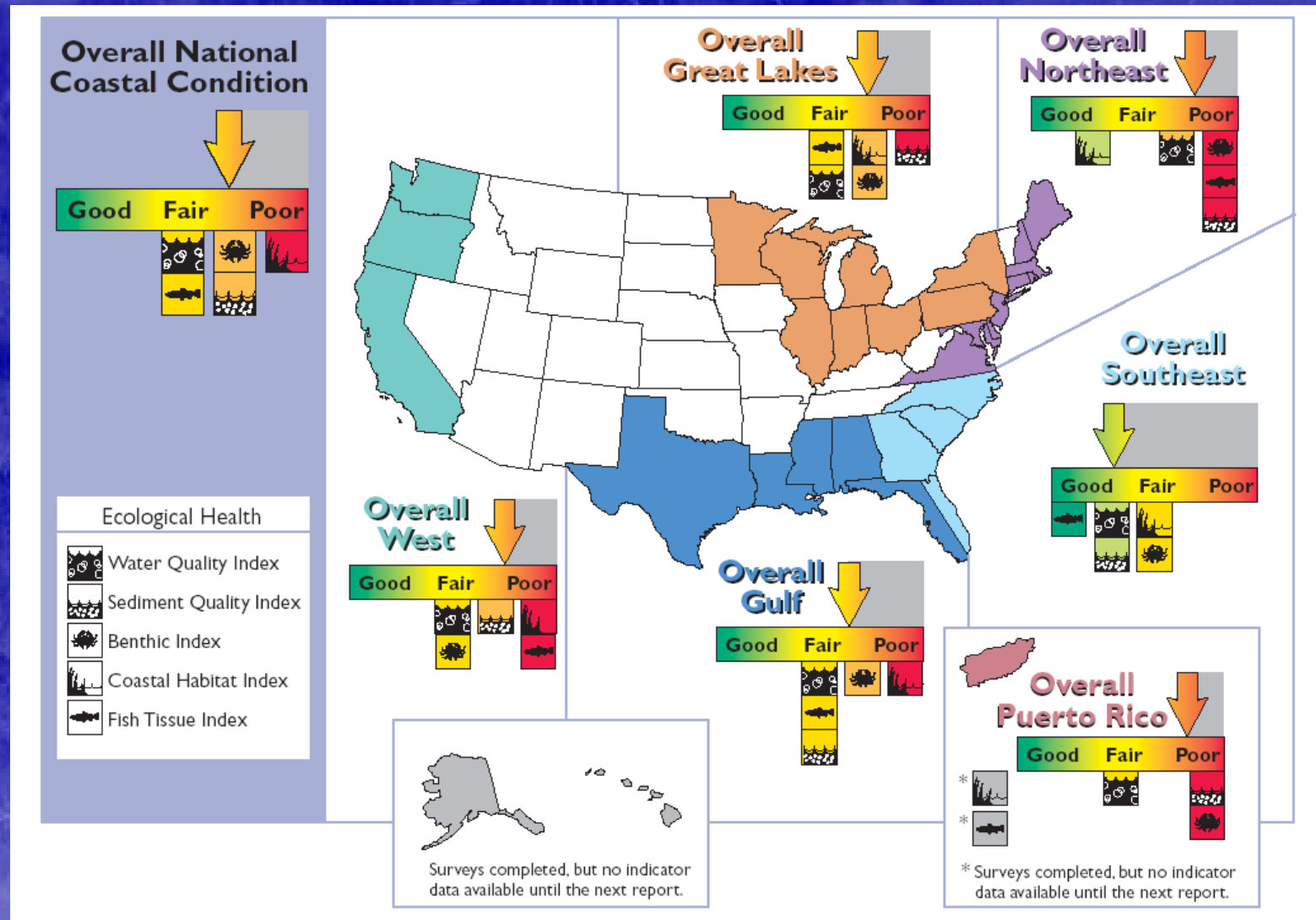


Reported Incidence of Waterborne Disease



Source: Surveillance for Waterborne Disease Outbreaks - US, 1997-1998

Environmental Conditions



Overall national and regional coastal condition between 1997 and 2000

Climate Change and Water Quantity

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