

**Water Issues and Beliefs
in Arkansas:
A Geographic, Demographic and
Commerce Perspective**

**Winthrop Rockefeller Foundation
FTN Associates**

UALR Water Law Conference

7 November 2008

Project Goals

- Identify and Frame Water Issues in AR
 - Environmental
 - Economic
 - Social
- Identify Options & Tools
- Initiate Dialog

Woolly Hollow 2006



**Batesville
2008**

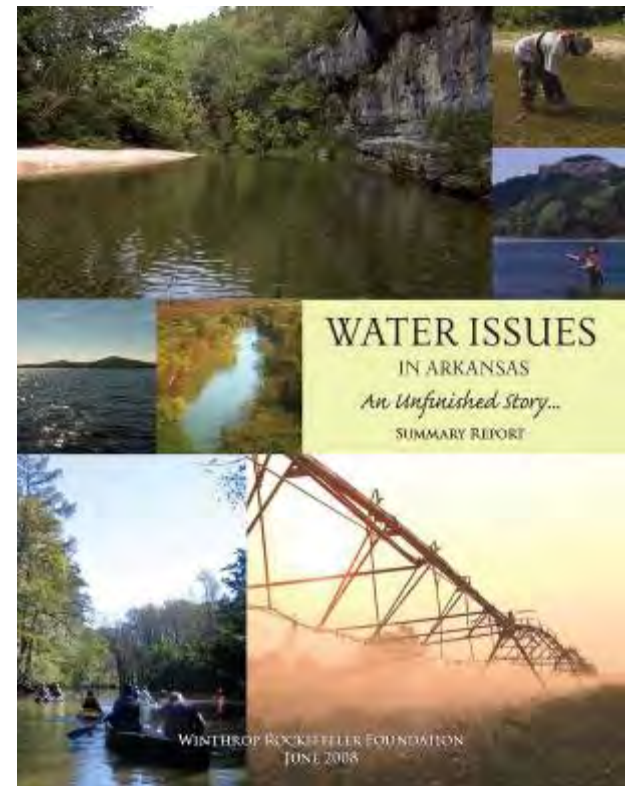
Project Approach

- Literature Review
- Census Statistics
- Interviews
 - Issues
 - Options & Tools
- Report and Video
- Tell A Story About Water In AR



Report Format

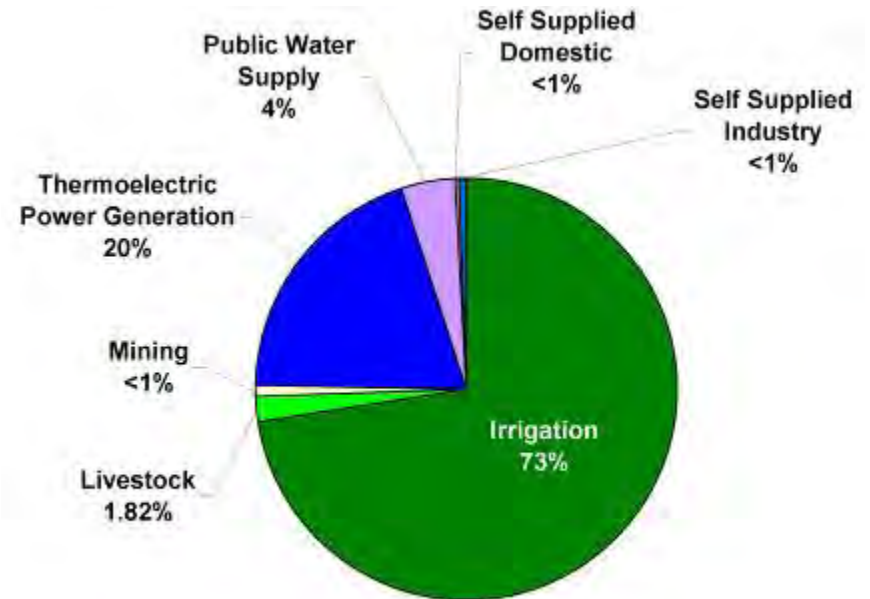
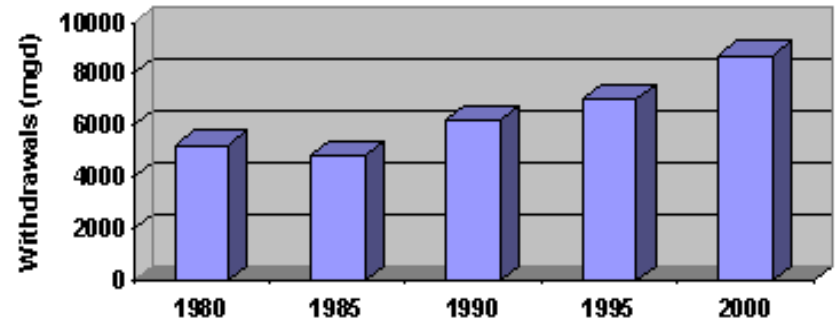
- Water Primer
- Background
- Water Issues
- Fundamental Truths
- Desired Outcomes
- Tools and Options
- How Will The Story End?



Background

- Water Use
- Water Quantity
- Water Quality
- Water Management
 - Union County Success Story

Water Use Trends



Sector Water Use

Water Issues



- Lack of Understanding
- Water Pollution
- Groundwater Depletion
- Flooding
- Water Shortages
- Inadequate Water Distribution
- Lack of Stewardship
- Inadequate
 - Laws
 - Funding
- Ineffective
 - Leadership
 - Management



Perspectives

- **Fundamental Truths**
 - Water is Finite; But Renewable
 - Water Runs Downhill...
- **Desired Outcomes**
 - Safe Water
 - Protect Rights to Use Water...

Hydrologic Cycle



Tool Themes



Example Tools and Options

- **Economic Incentives**
 - Tax Credits for Conservation
 - Water Protection Program Grants
 - Downstream Pays Upstream
- **Integrated Water Management**
 - Protect Soaking Zones
 - Conjunctive SW/GW Management
- **Integrated Pt/NPS**
 - Pollutant Trading
 - Single Agency Management
- **Public Awareness**
 - Decade of Water
 - Educate the Kids
- **Leaders**
 - Water Leadership Training

How Will The Story End?



Kent Thornton

Christina Laurin

Joe Nix

- **Alice Andrews,**
 - Ozark Society
- **Rodney Baker,**
 - AR Farm Bureau Fed.
- **David Caruth,**
 - AR Wildlife Federation
- **Larry Foley**
 - Univ. of AR – Fayetteville
- **Alan Fortenberry,**
 - Beaver Water District
- **Dr. Betty Lowe,**
 - AR Children's Hospital
- **Dr. Ivory Lyles,**
 - Univ. of AR Coop. Extension
- **Jodie Mahoney,**
 - El Dorado
- **Randy Thurman,**
 - AR Environ. Federation
- **Steve Wilson,**
 - Norfolk

Advisory Committee

Web Sites for More Information

- **Summary Report**
- **Companion Report**
**[www.wrfoundation.org/index.php?
page=resources&sub=publications](http://www.wrfoundation.org/index.php?page=resources&sub=publications)**
- **Troubled Waters Video**
www.aetn.org/production/programs/water