



# South Cumberland Regional Water Resources Planning Study

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# Project Overview

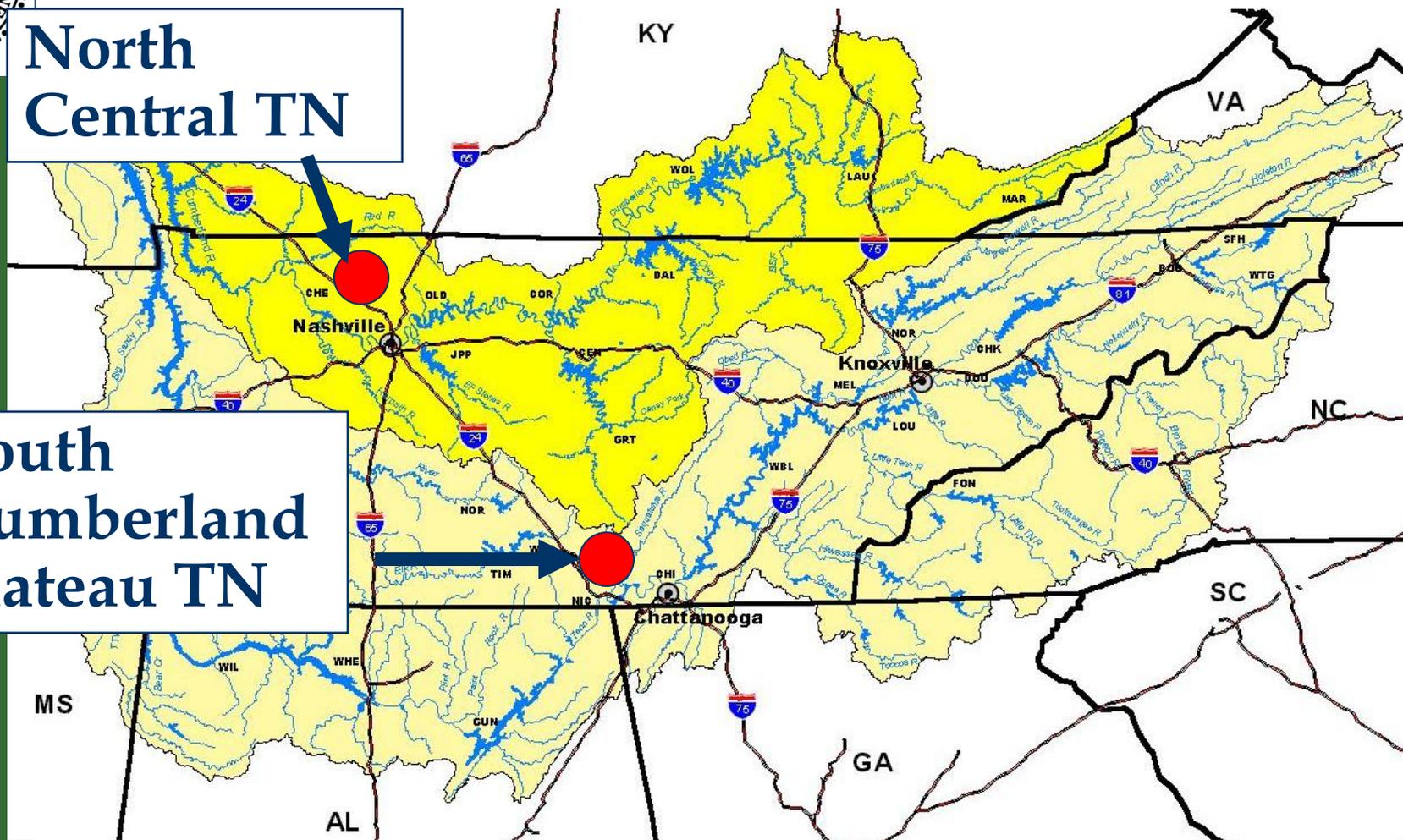
- Two Pilot Areas - Drought of 2007
- Source Water Development Focused
- Stakeholders and Communities Involved
- Robust Planning Team
  - State, Federal, NGO, Academia



# Pilot Areas

**North  
Central TN**

**South  
Cumberland  
Plateau TN**





# Water Resources Regional Planning Study

- Sustainably matching water sources with current & future needs
- Regional approach and multi-utility district focus
- Collaborative effort
- Model for statewide regional resource planning



**Chattanooga Times Free Press**

**Photo of Laurel Lake by Meghan Brown**



# Regional Planning Partners



**US Army Corps  
of Engineers®**  
Nashville District



**Tennessee Advisory Commission on  
Intergovernmental Relations**



**Tennessee Association  
of Utility Districts**



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# Project Review

- Study Area Description
- Existing Water Source Yields
- Water Withdrawal Projections
- Study Area Statements of Need
- Alternatives and Evaluations

✓ Capacity	✓ Storage Remaining
✓ Cost	✓ Water Quality
✓ Implementability	✓ Environmental
✓ Flexibility	✓ Other



# Recommendations

## ■ North Central

- ▶ **Interconnection – White House to Portland**

- ▶ Caney Fork Creek Dam – New Reservoir

- ▶ Groundwater – Wells

- ▶ Pipeline – Cumberland River

## ■ South Cumberland

- ▶ Interconnections - Regional

- ▶ Big Creek Dam – New Reservoir

- ▶ Ramsey Lake – Purchase Existing Lake

- ▶ **Big Fiery Gizzard – Raise Existing Dam**

- ▶ Pipeline – Tennessee River





# Next Steps

## North Central

- Regional Conservation and Demand Management Efforts
- Drought Management
- Community Engagement
- Engineering Studies
- Rate Studies
- Water Purchase Contract
- Project Financing Options



# Next Steps

## South Cumberland

- Regional Conservation and Demand Management Efforts
- Drought Management
- Community Engagement
- Commitment to Regional Approach
- Engineering / Rate Studies
- Permitting
- Project Financing Options



## Next Steps

# Regional Water Resources Planning

- South Cumberland meeting – July 7<sup>th</sup>
- Completion of North Central report – July 2011
- OASIS Training – July/August 2011
- General Regional Planning Report – Summer / Early Fall 2011



# Water Resources Regional Planning

<http://tn.gov/environment/regionalplanning/>

