

**Clean Rivers Program  
Steering Committee Meeting**

**April 12, 2007**

**UPPER NECHES RIVER BASIN**



**Clean Rivers**

Angelina & Neches River Authority

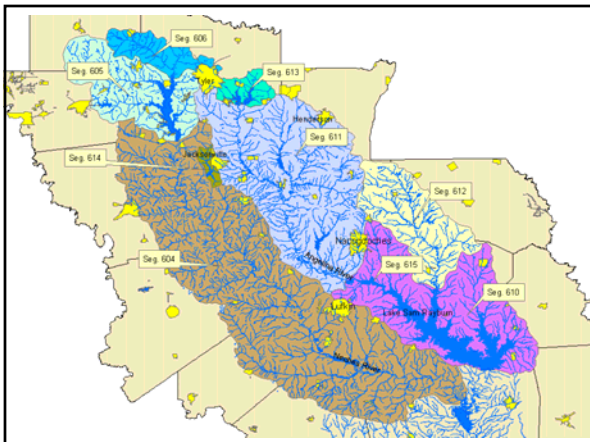
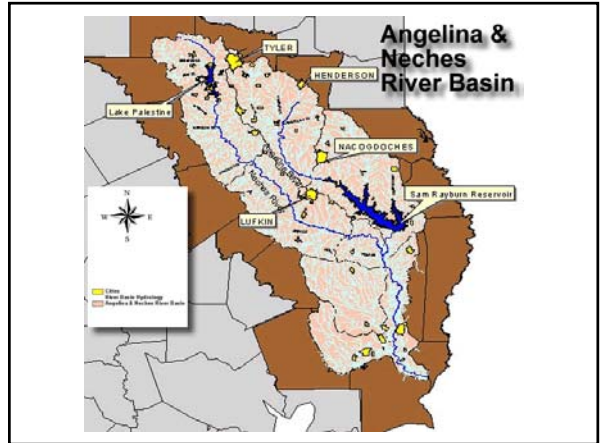
**Welcome & Introduction**

**Work Plans & Allocation of Resources**

**Basin Highlights Report**

**Basin-wide Water Quality Monitoring  
Assessment and Coordination**

**Basin Objectives, Priorities, and Other  
Water Quality Issues**



**ANRA Environmental Laboratory**



## City of Tyler CRP Monitoring



## Recognition of Efforts

- Stakeholder input and continuous water monitoring
- Lake Palestine Volunteer Monitoring Group

## FY 2006-07 CRP Budget

- Total FY 06-07 CRP Contract Amount = \$349,164
- CRP Annual Allocations
  - FY 2006 = \$174,582
  - FY 2007 = \$174,582
- NELAC Consultant and Quality Assurance Services for ANRA Laboratory
- Development of the FY 08-09 Work Plan and Budget

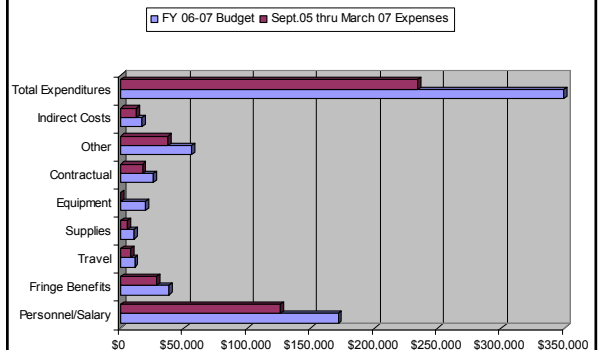
## CRP Work Plan Summary

- Task 1: Progress Reports, Cost Accounting Reports, Vouchers, TCEQ Fiscal Review
- Task 2: Coordinated Monitoring Meeting, QAPP amendments, NELAC Status Report
- Task 3: Water Quality Monitoring
  - 24 routine stations monitored quarterly
  - 7 routine stations on Lake Sam Rayburn monitored 6 times per year
  - Bacteria and in-stream flow monitoring at 2 stations 6 times per year

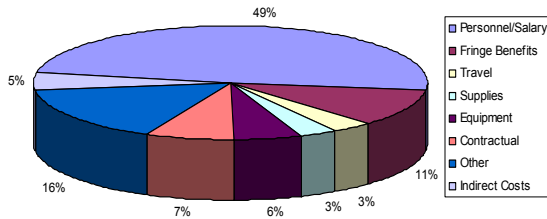
## CRP Work Plan Summary

- Task 4: SWQM data files, web postings, coordinated monitoring schedule, TCEQ Request Forms
- Task 5: Basin Highlights Report
- Task 6: Steering Committee Meetings, ANRA Website Postings & Updates, Public Outreach Activities, Volunteer Monitoring Activities
- FY 2006-2007 Budget Allocations
- Neches River Basin = \$698,328 (ANRA & LNVA)

## CRP Budget Allocations vs. Current Expenses



Angelina & Neches River Authority  
FY 2006-2007 CRP Budget



## 2006 Basin Highlights Report

- Summary of Highlights (page 3)
- Overview of Monitoring Programs (page 4)
- Water Quality Data Review (pages 8-17)
- Upper Neches Basin Projects (page 18)
- Stakeholder Participation & Public Outreach (page 19)

## Basin-wide Water Quality Assessment and Coordination

- TCEQ's *Draft* 2006 Water Quality Inventory and 303(d) List
  - Latest revision draft released March 19, 2007
  - 30 day Public Comment period ending April 18, 2007
  - Period of record is Dec. 1, 1999 to Nov. 30, 2004
- 21 targeted waterbodies in the Upper Neches Basin
- <http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/06twqi/twqi06.html>

## TCEQ's 2006 Water Quality Inventory and 303(d) List

- 303(d) List includes 21 waterbodies in the Upper Neches Basin
- Parameters include bacteria, mercury in fish tissue, metals in water, and depressed dissolved oxygen
- All are Category 5c
  - Meaning, additional data and information will be collected before a TMDL is scheduled
- ANRA will be conducting additional metals in water sampling during FY08-09

## Basin Monitoring Activities

- ANRA Monitoring Programs
- City of Tyler Monitoring Program
- TCEQ Regional Offices Monitoring
- FY 2007 Coordinated Monitoring Schedule



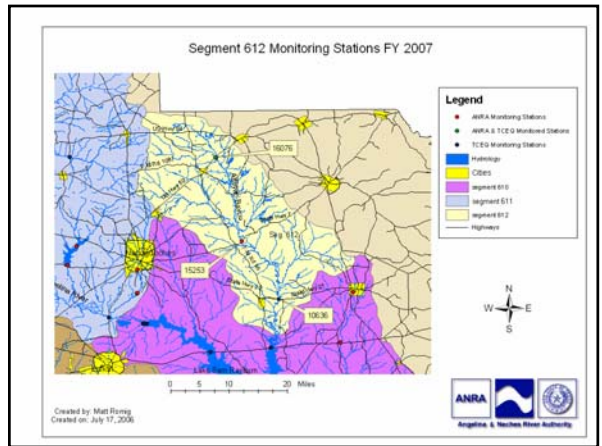
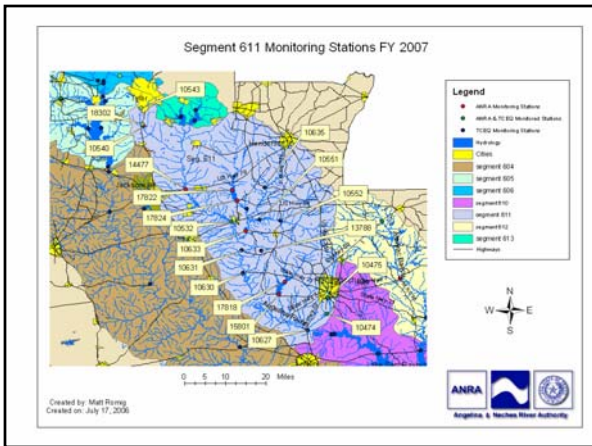
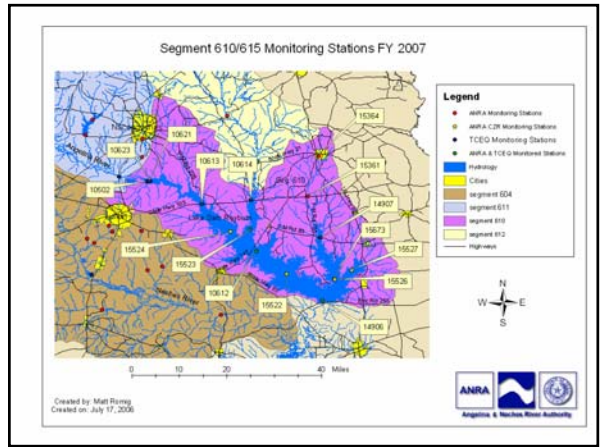
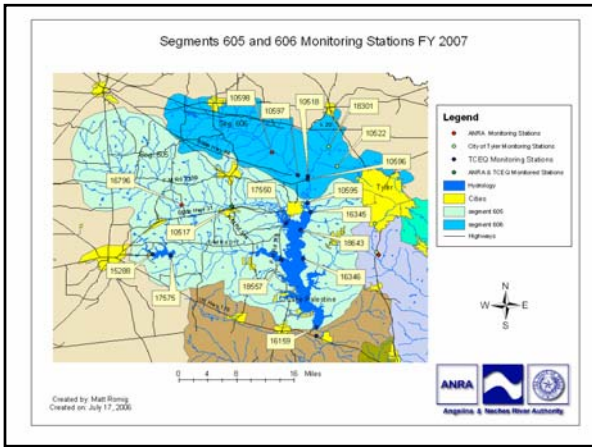
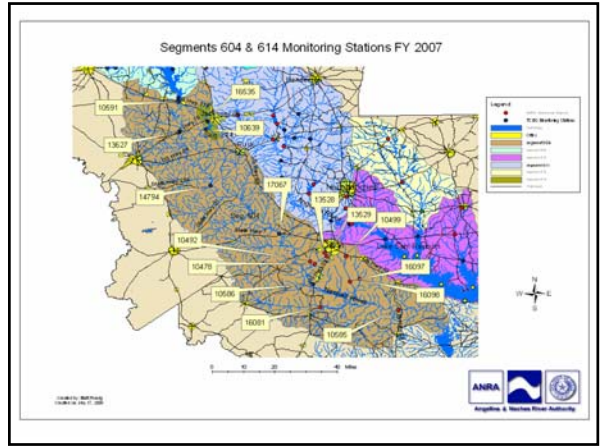
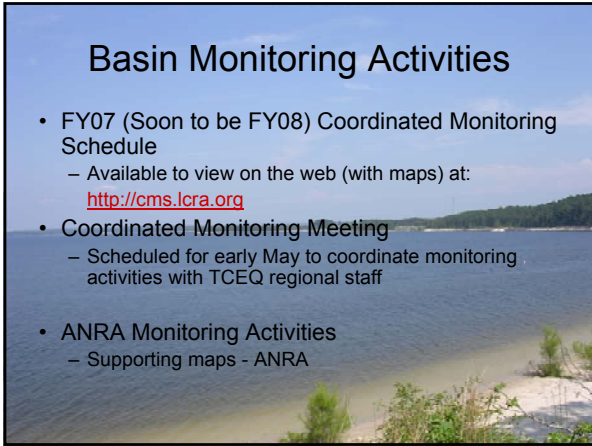
## FY2006-2007 Monitoring Parameters

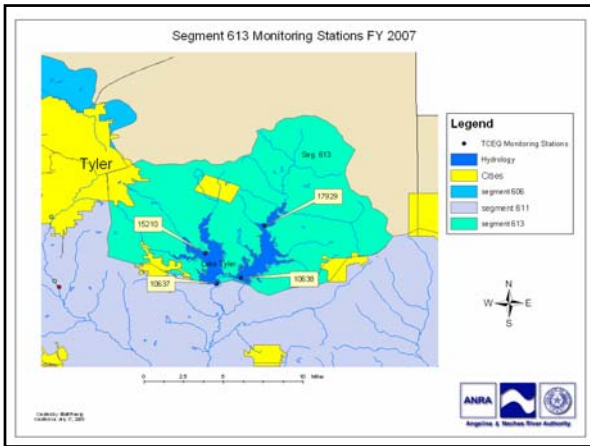
Field Parameters	Conventional	Bacteria	Metals in Water
<ul style="list-style-type: none"> <li>•pH</li> <li>•Temperature</li> <li>•Dissolved Oxygen</li> <li>•Specific Conductance</li> <li>•24 Hour Measurements</li> <li>•Flow Measurements</li> </ul>	<ul style="list-style-type: none"> <li>•Total Suspended Solids</li> <li>•Total Dissolved Solids</li> <li>•Sulfate</li> <li>•Chloride</li> <li>•Nitrate+Nitrite</li> <li>•Total Nitrogen</li> <li>•Orthophosphate</li> <li>•Total Phosphorus</li> <li>•Ammonia-Nitrogen</li> <li>•Chlorophyll a.</li> </ul>	<ul style="list-style-type: none"> <li>•E. Coli</li> </ul>	<ul style="list-style-type: none"> <li>•Silver</li> <li>•Aluminum</li> <li>•Cadmium</li> <li>•Chromium</li> <li>•Copper</li> <li>•Manganese</li> <li>•Nickel</li> <li>•Lead</li> <li>•Zinc</li> </ul>



# Basin Monitoring Activities

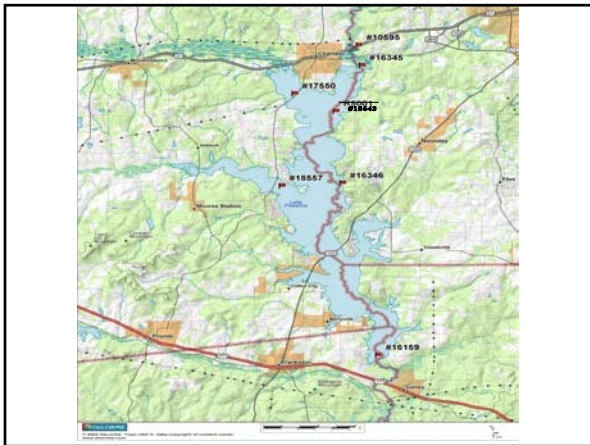
- FY07 (Soon to be FY08) Coordinated Monitoring Schedule
  - Available to view on the web (with maps) at: <http://cms.lcra.org>
- Coordinated Monitoring Meeting
  - Scheduled for early May to coordinate monitoring activities with TCEQ regional staff
- ANRA Monitoring Activities
  - Supporting maps - ANRA





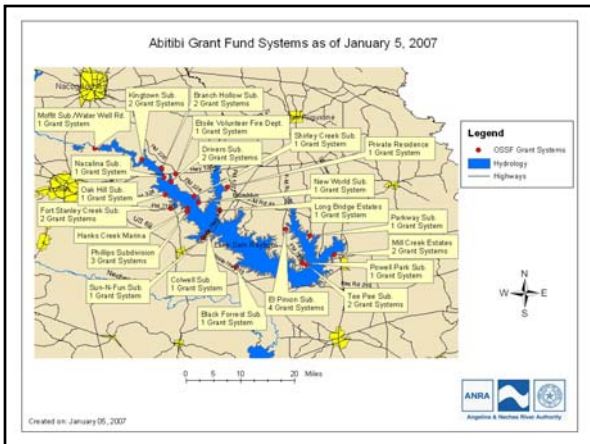
## Status of Water Quality Projects in the Basin

- Lake Palestine Continuous Water Quality Monitoring Station
  - Equipment currently on order
  - Installation planned for FY 2007
  - Working with the City of Tyler



## Status of Water Quality Projects in the Basin

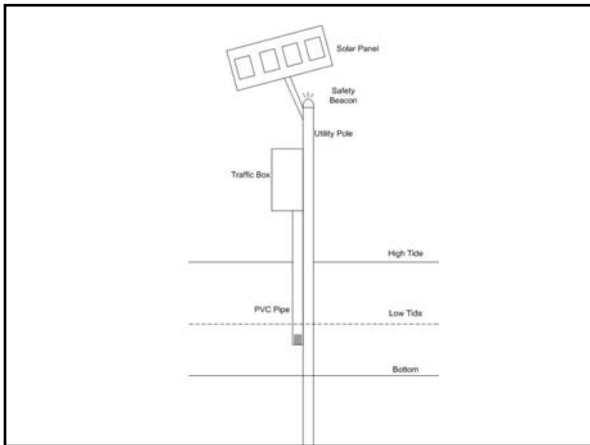
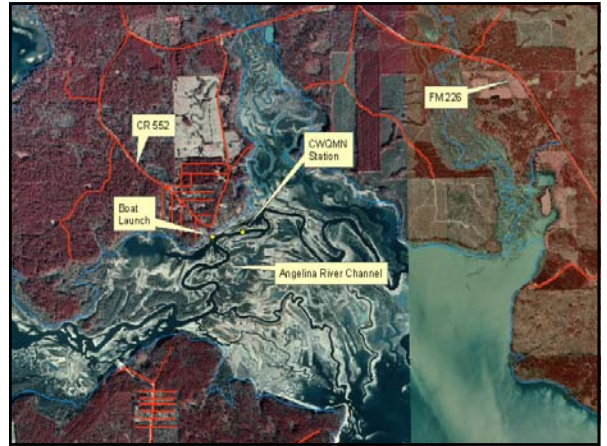
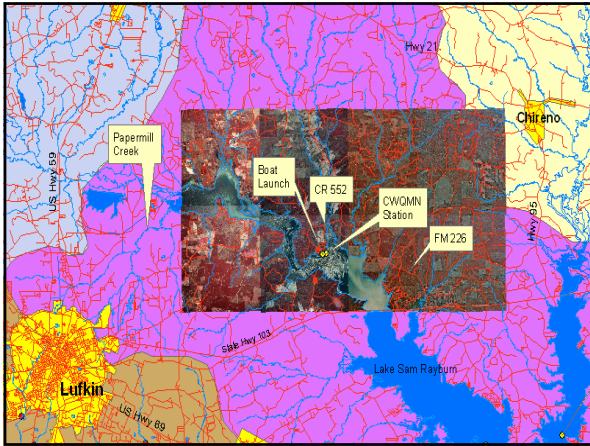
- On-Site Grant Funds Project
  - Grant funds provided by Abitibi to install on-site wastewater treatment systems for low-income families around Lake Sam Rayburn
  - Completion of 37 new septic systems and 2 system repairs to date.
  - Remaining funds will support the installation of 5 additional new systems.



## Status of Water Quality Projects in the Basin

- Continuous Monitoring Station for Sam Rayburn
  - Upper Angelina arm of Sam Rayburn Reservoir
  - Fixed monitoring station will collect: Temp, DO, pH, and Conductivity
  - Site visit scheduled for early May.
  - Installation scheduled for summer 2007.





## Basin Objectives and Priorities

- Identify water quality problems and known pollution sources and set priorities for taking appropriate actions to eliminate those problems and sources.
- Steering Committees should serve as the focus of public input to assist the river authority and other agencies in developing water quality objectives and priorities.

## Recommendations ???

- New basin objectives and priorities

Thoughts, Comments, Questions?

E-mail me at: [mromig@anra.org](mailto:mromig@anra.org)

Or call: 936-633-6435

Thank you for your  
Interest and Attendance!