



Upper Neches Basin Steering Committee Meeting

May 23, 2016



ANGELINA & NECHES RIVER AUTHORITY



Agenda

Welcome and Introductions

Brian Sims, Angelina & Neches River Authority

Overview of the Clean Rivers Program

Brian Sims, Angelina & Neches River Authority

ANRA's Water Quality Monitoring Program

Brian Sims, Angelina & Neches River Authority

Update on ANRA's NPS Grant – Installation of On-Site Sewage Facilities in the Attoyac Bayou Watershed

Brian Sims, Angelina & Neches River Authority

Implementing the Attoyac Bayou Watershed Protection Plan

Lucas Gregory, Texas Water Resources institute

Current Status of the Texas Integrated Report (IR) for Clean Water Act Sections 305(b) and 303(d)

Lauren Pulliam, Texas Commission on Environmental Quality

Open Discussion for Steering Committee Member Recommendations and Concerns

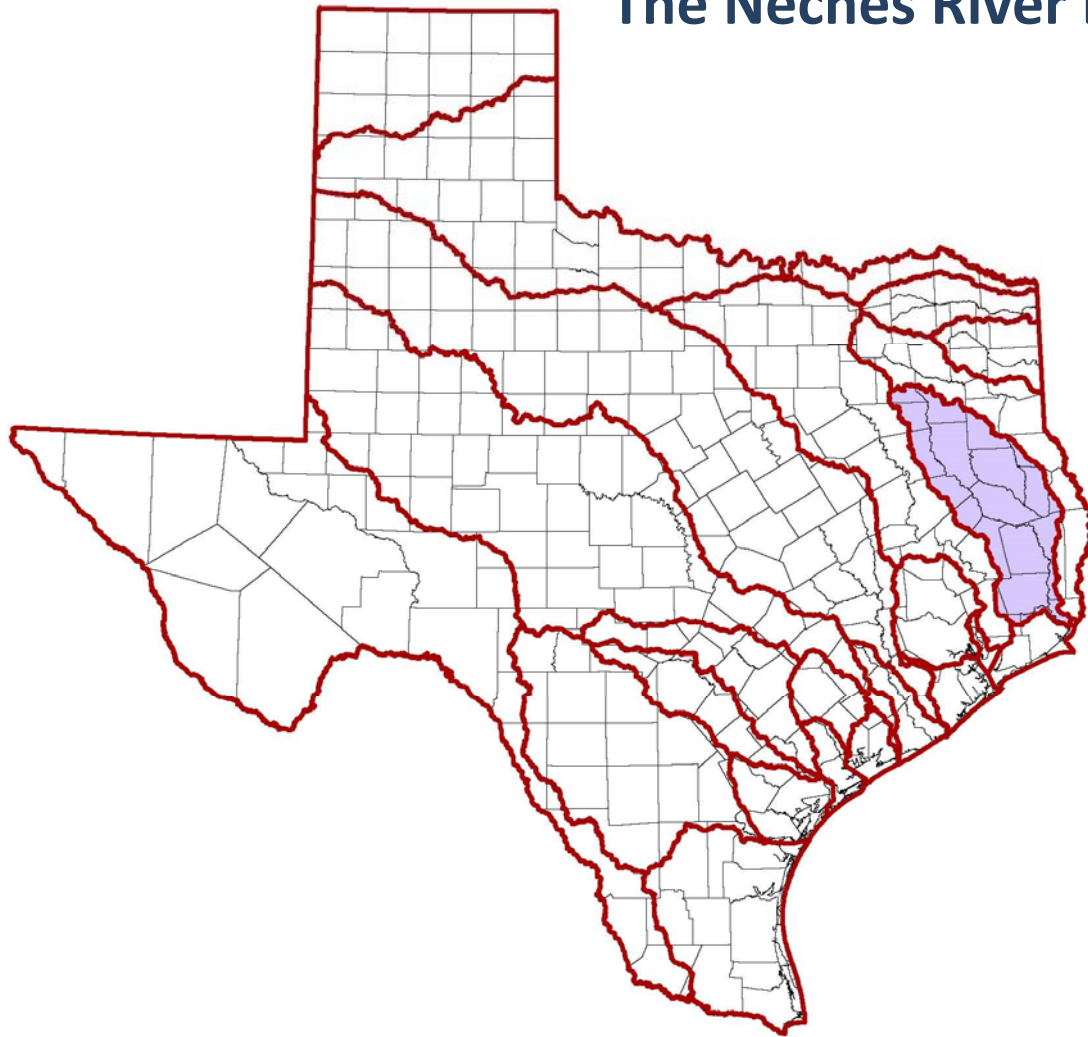


ANRA's Functions in the Neches Basin

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The Neches River Basin



ANRA's Jurisdictional Service Area includes all or a portion of the following counties:

Van Zandt
Smith
Henderson
Newton
Cherokee
Anderson
Rusk
Houston
Nacogdoches

San Augustine
Shelby
Angelina
Trinity
Sabine
Polk
Jasper
Orange

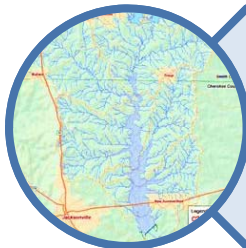
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ANRA's General Administration



**Coordinate with
Governments/Entities**



Water Resource Planning and Development



**Economic Development
Bond Issuance**



ANRA's Field Operations Division



**Regional Wastewater Treatment Facilities
and Contract Operations**



Drinking Water Utilities



**Biosolids Composting
Neches Compost Facility**



ANRA's Environmental Division



Clean Rivers Program
Water Quality Monitoring



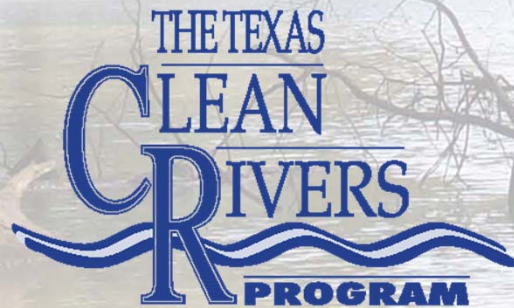
Environmental Laboratory
Drinking Water, Surface Water, and
Wastewater Testing



On-Site Sewage Facilities Program
OSSF Permitting & Investigations



An Overview of the Texas Clean Rivers Program



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Attoyac Bayou at SH 7

The Texas Clean Rivers Program (CRP)

- Established in 1991 by the 72nd Texas Legislative Session (SB 818)
- Purpose is to monitor the waters of the state and maintain and/or improve water quality
- Partially funded by fees on wastewater discharge and water rights permits
- Collaboration of the Texas Commission on Environmental Quality (TCEQ) and 15 partner agencies
- Emphasis on the collection of water quality data for assessment and regulatory purposes

<http://www.tceq.texas.gov/waterquality/clean-rivers>



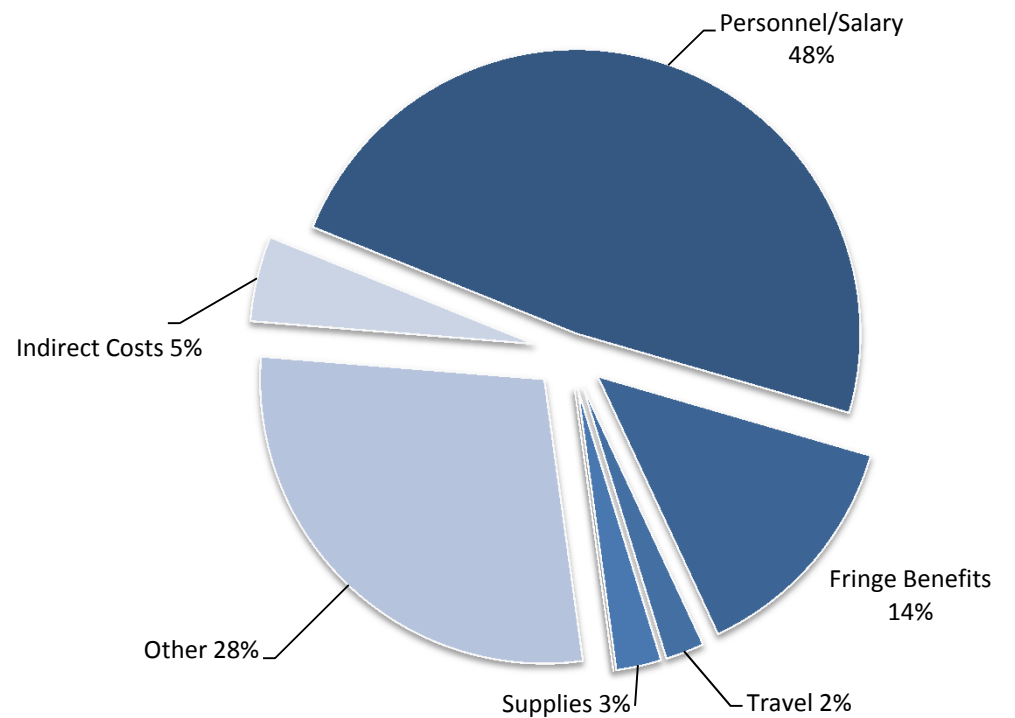
FY 2016 - 2017 Budget Allocations

<u>Planning Agency</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Total Allocation</u>
BRA (12)	398,1590	398,159	796,318
GBRA (17 & 18)	135,3781	135,378	270,756
HGAC (9, 10, 11, 13)	965,615	965,615	1,931,230
IBWC (23)	267,252	267,252	534,504
LNRA (16)	99,298	99,298	198,596
LCRA (14 & 15)	381,797	381,797	763,594
ANRA & LNVA (6 & 7)	329,766	329,766	659,532
NETMWD (4)	99,298	99,298	198,596
NRA (20, 21, & 22)	258,906	258,906	517,812
RRA (1 & 2)	311,118	311,118	622,236
SARA (19)	197,770	197,770	395,540
SRA (5)	313,074	313,074	626,148
SRBA (3)	99,297	99,297	198,594
TRA (8)	393,272	393,272	786,544
TOTALS	\$4,250,000	\$4,250,000	\$8,500,000



ANRA Clean Rivers Program Budget by Category

FY 2016 – FY 2017 Clean Rivers Program Budget	
Budget Category	Approved Budget
Personnel/Salary	\$159,575.00
Fringe Benefits	\$44,681.00
Travel	\$7,276.00
Supplies	\$8,476.50
Equipment	\$0.00
Contractual	\$0.00
Construction	\$0.00
Other	\$93,800.00
Indirect Costs	\$15,957.50
Total Reimbursable Costs	\$329,766.00





ANRA's Water Quality Monitoring Activities in the Upper Neches Basin

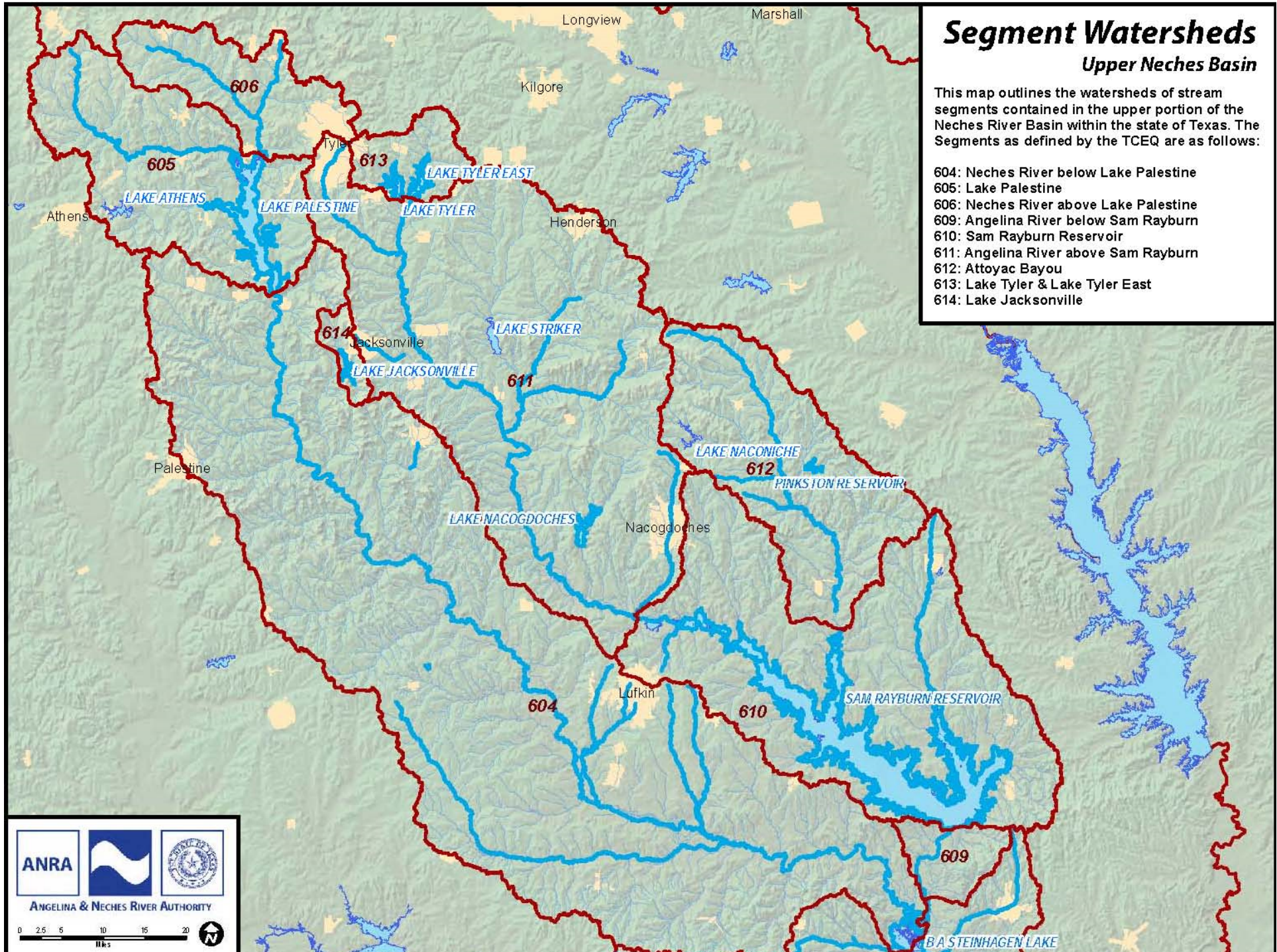
Fiscal Years 2016 - 2017

Segment Watersheds

Upper Neches Basin

This map outlines the watersheds of stream segments contained in the upper portion of the Neches River Basin within the state of Texas. The Segments as defined by the TCEQ are as follows:

- 604: Neches River below Lake Palestine
- 605: Lake Palestine
- 606: Neches River above Lake Palestine
- 609: Angelina River below Sam Rayburn
- 610: Sam Rayburn Reservoir
- 611: Angelina River above Sam Rayburn
- 612: Attoyac Bayou
- 613: Lake Tyler & Lake Tyler East
- 614: Lake Jacksonville





Water Quality Monitoring in the Upper Neches Basin

- Currently, ANRA monitors 40 sites quarterly for field parameters, conventional parameters, and bacteria.
- Additional monitoring in the Upper Neches Basin is performed by TCEQ (Region 5 in Tyler and Region 10 in Beaumont) and the Lower Neches Valley Authority (LNVA).

Parameters for Quarterly Monitoring		
Field Parameters	Conventional Parameters	Bacterial Parameters
Dissolved Oxygen	Ammonia-N	<i>E. coli</i>
Days Since Last Significant Rainfall	Nitrate-N	
Flow Severity	Nitrite-N	
Instantaneous Stream Flow	Chloride	
Evidence of Primary Contact Recreation	Sulfate	
pH	Chlorophyll- <i>a</i>	
Present Weather	Pheophytin- <i>a</i>	
Secchi Transparency	Total Phosphorus	
Specific Conductance	Total Suspended Solids (TSS)	
Total Water Depth		
Water Temperature		





Basin Summary Report

- The Basin Summary Report is a comprehensive review of water quality data and water quality issues in the Neches River Basin.
- The Basin Summary Report is prepared every five years.
- The most recent Basin Summary Report was prepared in 2015.
- The report is available for download on ANRA's website.




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2015 Basin Summary Report
For the Upper Portion of the Neches River Basin



 THE TEXAS CLEAN RIVERS PROGRAM

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Additional Resources

- Texas Commission on Environmental Quality Clean Rivers Program
 - <http://www.texascleanrivers.org>
- Surface Water Quality Monitoring Procedures Manual
 - http://www.tceq.texas.gov/assets/public/comm_exec/pubs/rg/rg415/rg-415.pdf
- Upper Neches Basins Quality Assurance Project Plan (QAPP)
 - http://www.anra.org/divisions/water_quality/crp/pdfs/QAPP/ANRA_CRP_QAPP_FY_16-17.pdf
- ANRA CRP Monitoring Activities
 - http://www.anra.org/divisions/water_quality/crp/monitoring.html
- Coordinated Monitoring Schedule
 - <http://cms.lcra.org>
- ANRA Basin Summary Report
 - http://www.anra.org/divisions/water_quality/crp/pdfs/reports/2015_Summary_Report/ANRA_FY_2015_BHR.pdf



Comments or Questions?

- Please direct inquiries regarding ANRA's Clean Rivers Program to:

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