




Texas Water
Resources Institute
make every drop count

Attoyac Bayou & La Nana Bayou

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Texas Water Resources Institute

June 17, 2021

TEXAS A&M
AGRILIFE

TEXAS STATE
Soil & Water
CONSERVATION BOARD

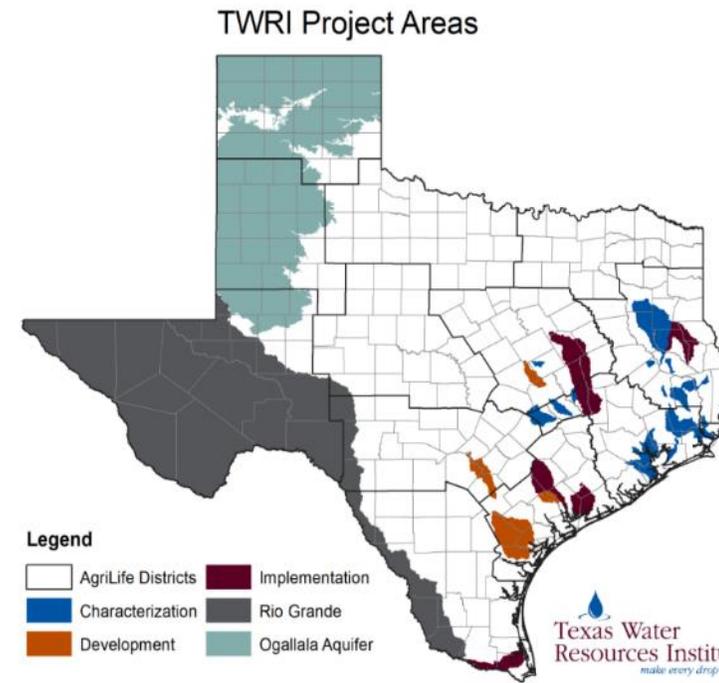




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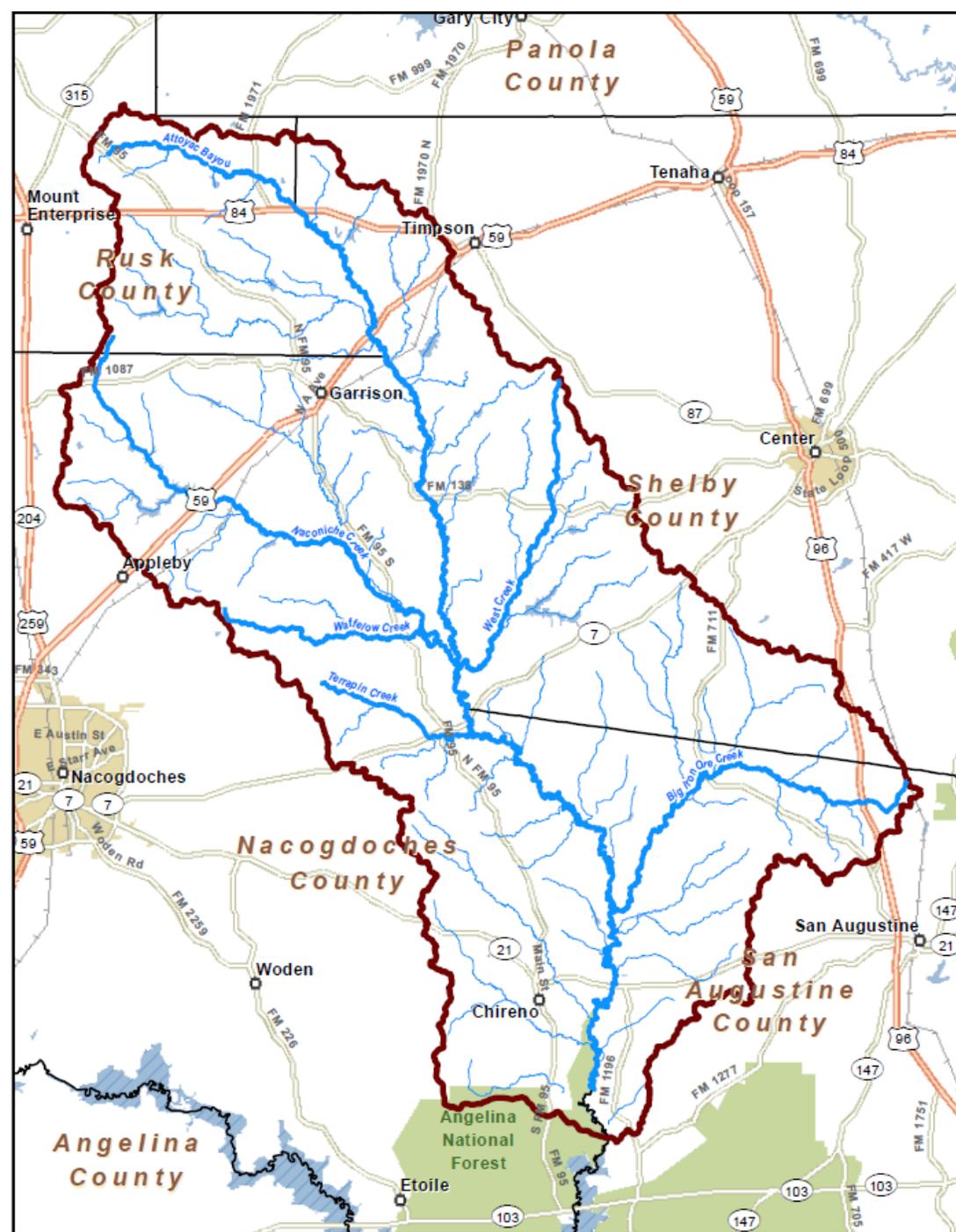
make every drop count

- Established by Water Resources Research Act (1964) to address existing and emerging water issues
- Focus Areas
 - Restoring and Protecting
 - Sustaining and Enhancing
 - Engaging and Educating



Attoyac Bayou Watershed Protection Plan

- Attoyac Bayou Watershed Partnership developed in 2009
- WPP developed with TSSWCB and accepted by the EPA in 2015
- Two ongoing TWRI projects
 - Project Partners:
 - ANRA
 - SFASU
 - Pineywoods RC&D
- attoyac.tamu.edu





WPP Implementation Facilitation & Water Quality Monitoring

Funded by TSSWCB State NPS Grant

- Most recent project (#19-53): May 2019 – May 2021
- New project beginning in Fall 2021

Goals:

- Evaluate the WPP milestones
 - OSSFs repaired & replaced
 - Water Quality Management Plans
 - Feral Hog Management
 - Water quality
- Conduct Education & Outreach activities throughout the watershed

Watershed Coordinator:

Carla Ethridge, ANRA
936-632-7795
cethridge@anra.org

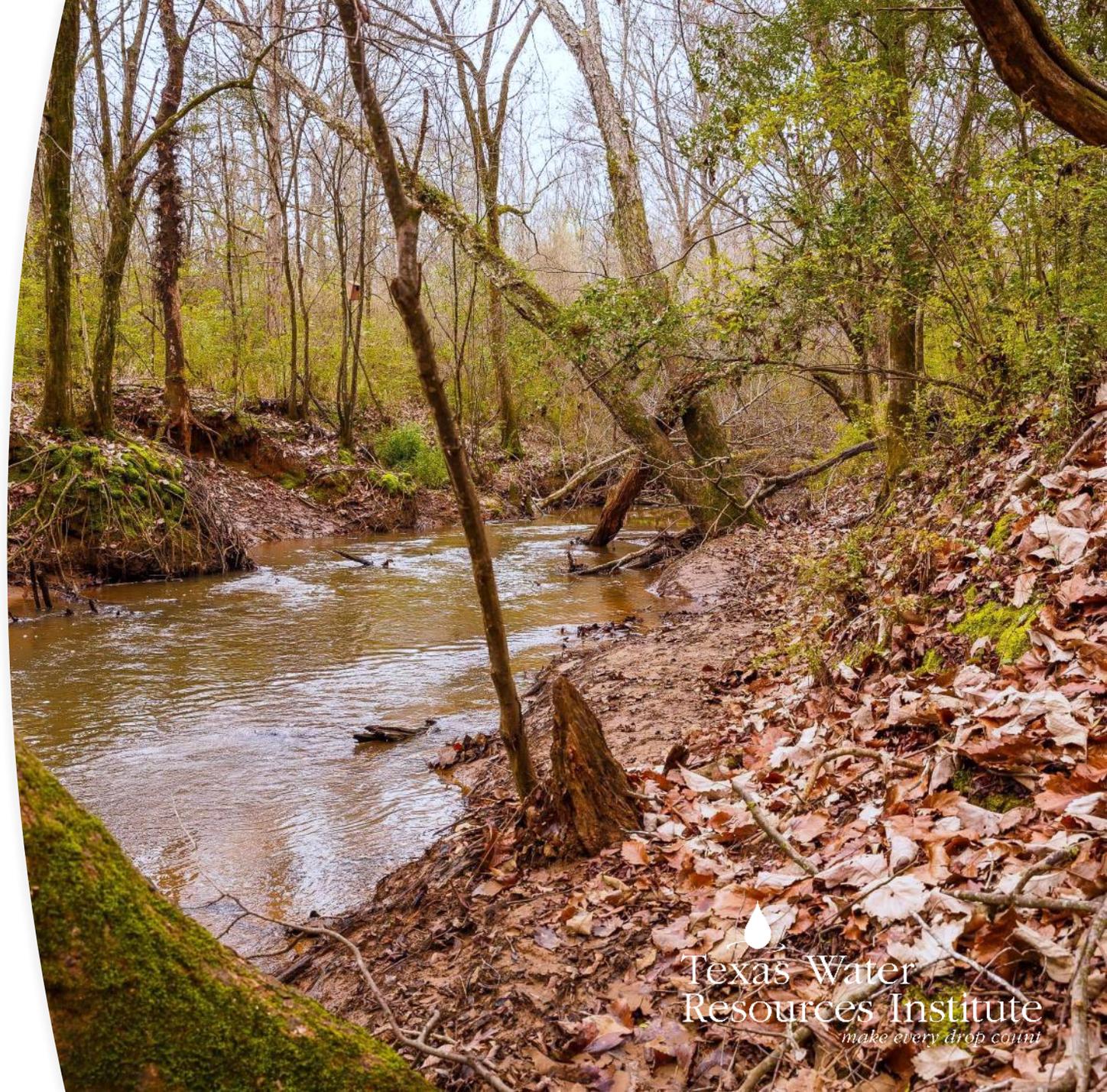




WPP Implementation Facilitation & Water Quality Monitoring

Stakeholder Engagement & Education (funded/supplemented through WPP implementation)

- October 18, 2020: Landowner Riparian education program
- October 1, 2020: Annual newsletter released
 - Available online: attoyac.tamu.edu
- December 2019: Annual Stakeholder Meeting and Forest BMP presentation by Texas A&M Forest Service
- May 2019: OSSF Professional CEU Course
- September 2017: OSSF Homeowner Maintenance
- November 2017: Texas Watershed Stewards
- Additionally:
 - ANRA's annual Basin Highlights Report
 - social media engagement
 - Periodic educational e-mails to subscribers
 - distributed education materials





WPP Implementation Facilitation & Water Quality Monitoring

Water Quality Management Plans

- 8 plans covering 1,976 acres since October 2016
- 5 additional plans in development
 - 268 acres
 - 12,000+ feet of fencing for rotational grazing
 - 1,600 feet of pipeline/troughs

Local Contact:

Olivia Maxwell
Nacogdoches SWCD 319 technician
936-564-5891 ext 3623



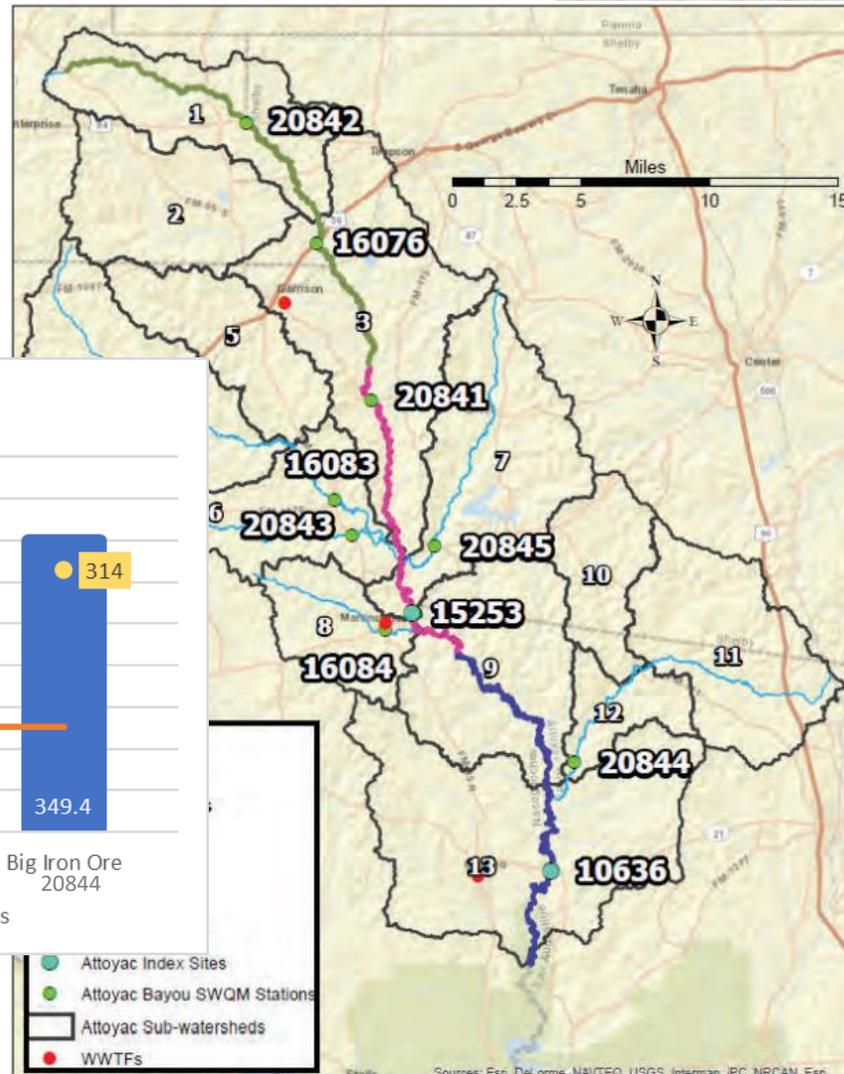
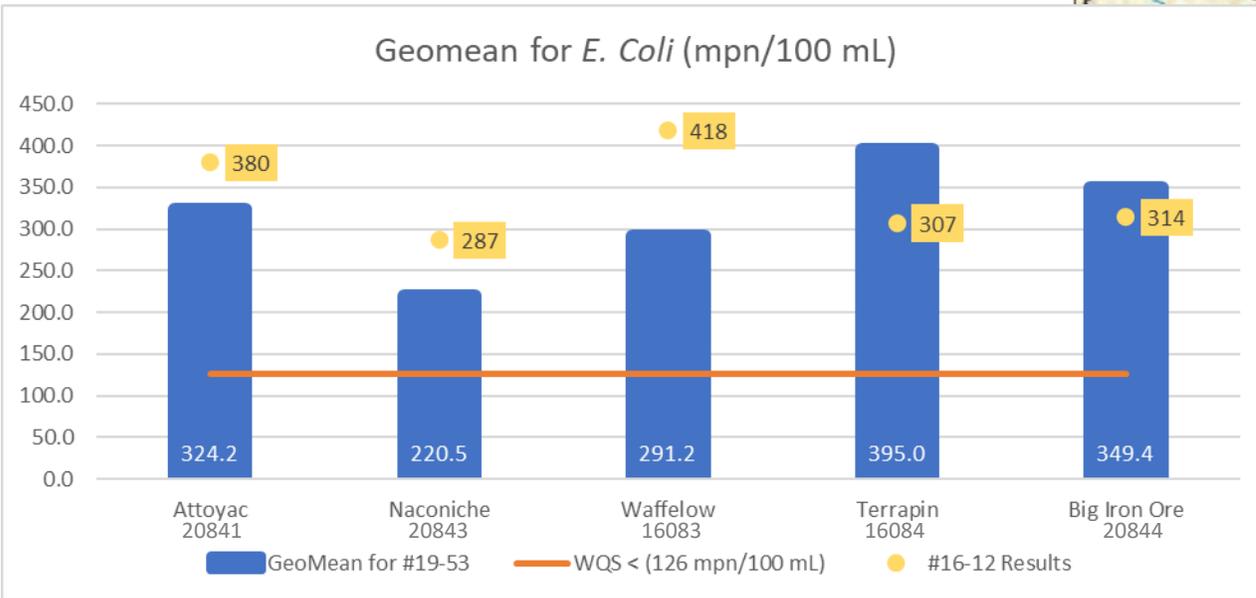
WPP Implementation Facilitation & Water Quality Monitoring

Feral Hogs

- One of the largest contributors to bacteria in Attoyac Bayou
- Considered marginally manageable
- Difficult to track removal efforts
- BMPs:
 - Exclusionary practices with deer feeders
 - Traps to remove them from watershed



WPP Implementation Facilitation & Water Quality Monitoring





OSSF Repair & Remediation

*Funded by Clean Water Act Section 319(h)
Nonpoint Source Grant from the TCEQ through the U.S. EPA.*

- **Current project (#10177)**
 - Funding for repairing/replacing 15 systems; 9 completed to date
 - Provided SAFE software and training for Rusk County
- **Previous projects**
 - 24 systems between October 2017 – February 2020 (#70355)
 - 26 systems under previous Lake Sam Rayburn project with ANRA (#40162)
 - Geodatabase Plan developed with Designated Representatives in the watershed
- **Future project (beginning Fall 2021)**
 - Funding for additional 21 systems
 - OSSF Educational Direct Mailer campaign and pre/post evaluations

Primary Local Contact:

Treva Buck, Program Assistant
Joan Meeks, Program Coordinator

936-568-0414
pineywoodsacd@att.net



La Nana Bayou Watershed Protection Plan Development

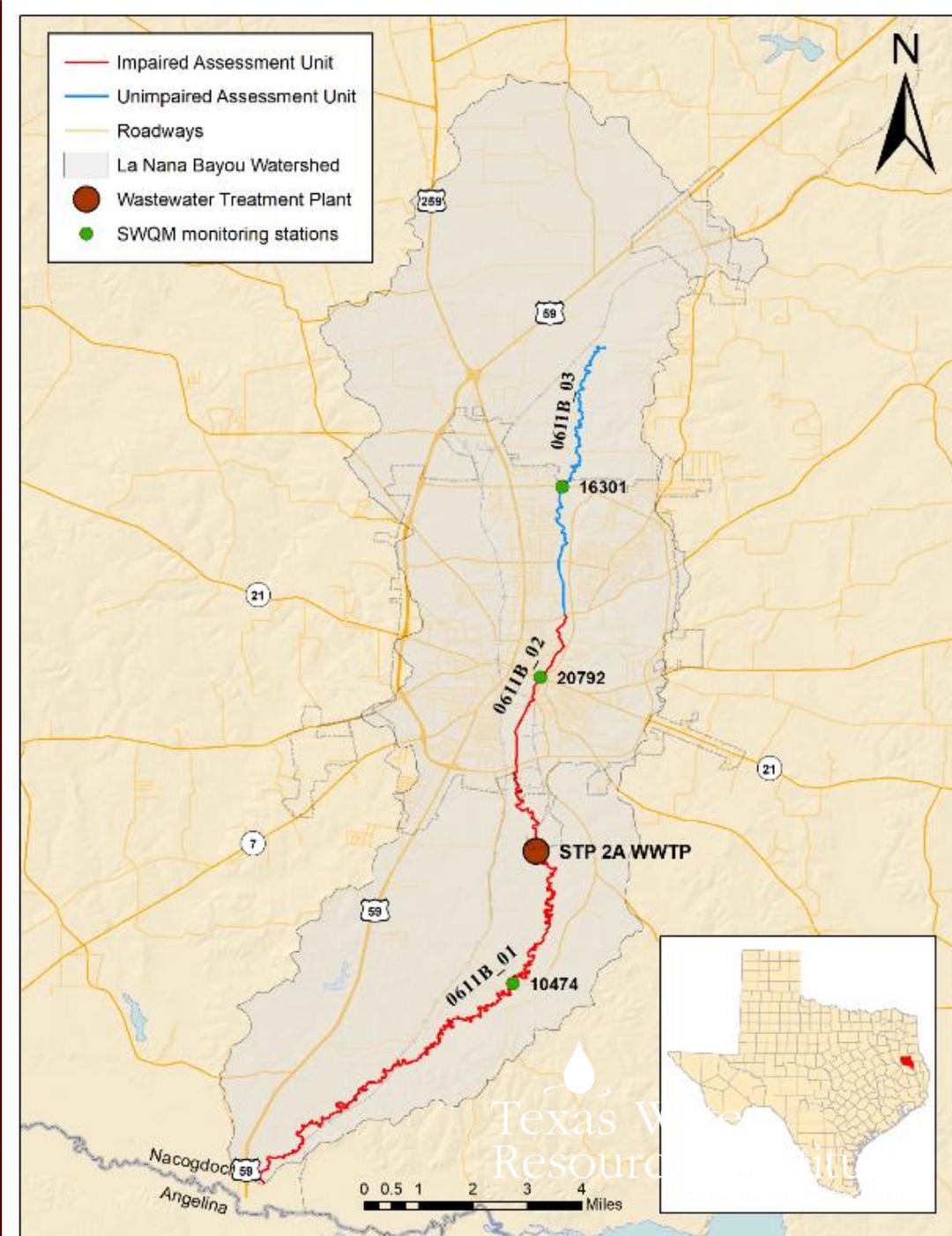
*Funded by Clean Water Act Section 319(h)
Nonpoint Source Grant from the TCEQ through the U.S. EPA.*

Save the Date!

1st Stakeholder Meeting for WPP Development

August 11, 2021 at 1:00 pm

County Extension Office: 203 W Main St, Nacogdoches





Thank you!

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