



Lake Sam Rayburn On-Site Septic Facilities Program

Water Body	Sam Rayburn Reservoir (Seg 0610)
Location	San Augustine, Rusk, Shelby, and Nacogdoches Counties
River Basin	Angelina & Neches River
Contractor	Angelina & Neches River Authority (ANRA)
Project Period	September 1, 2013 to August 31, 2016
Project Total	\$699,425 (Federal 60% and Local Match 40%)

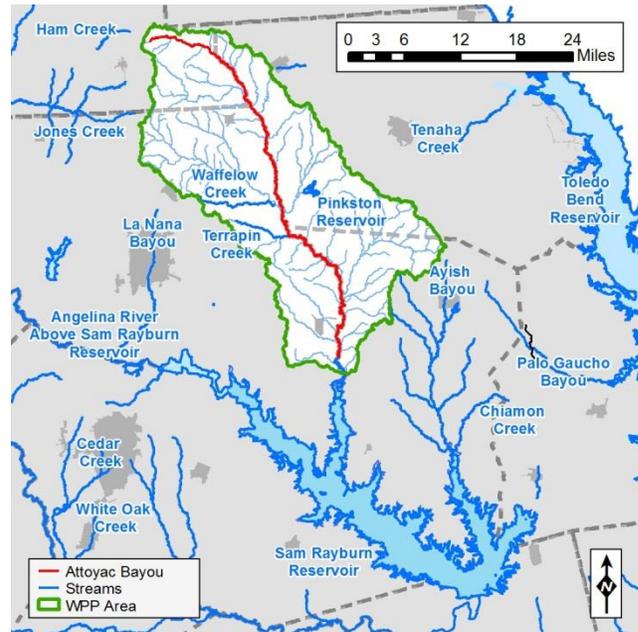
Background

The purpose of this project is to identify and address nonpoint sources of bacteria in specific areas in counties in the Control Zone Rayburn (CZR); the 2000-ft buffer zone around Sam Rayburn Reservoir and the unincorporated portion of San Augustine County (including the portion within the Attoyac Bayou watershed). Attoyac Bayou (Segment 0612) is a rural stream that flows into Sam Rayburn Reservoir (Segment 0610) with designated uses for primary contact recreation, public water supply and high aquatic life use. Attoyac Bayou is listed as impaired for bacteria on the 2012 Texas 303(d) List. A watershed protection plan (WPP) was developed to address the bacteria impairment. The WPP was accepted by the Environmental Protection Agency in 2015.

Project Description

This project has developed a database of On-Site Sewage Facilities (OSSFs) in the CZR. The database will be used to track and map all permitted systems in the area immediately surrounding Sam Rayburn Reservoir, as well as the unincorporated portion of San Augustine County.

Failing or non-existent OSSFs in the area will be identified through a combination of database tracking of complaints and violations, field reconnaissance and inspections, and consultation with local officials. Funds from the project will be used to replace (in the case of failing systems) or install (in the case of non-existent systems) OSSFs in the portion of the Attoyac Bayou watershed located in San Augustine, Rusk, Shelby, and Nacogdoches Counties. Replacement or installation of OSSFs will reduce potential sources of NPS pollution that may be contributing to the bacteria impairments in the watershed. Surface water quality monitoring in the Attoyac Bayou watershed will be used to identify improvements in water quality following the replacement of failed or non-existent OSSFs, as well as monitoring effectiveness of best management practices (BMPs) established by the Attoyac Bayou WPP.



Current Status

An OSSF database has been created, and records are being digitized and linked to the database. Water quality sampling is currently underway.

Twenty-three OSSFs have been repaired or replaced in the Attoyac Bayou watershed.

For More Information

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Project Highlights

- 09/2013 – The contract was initiated.
- 09/2013 – Post Award and QAPP planning meeting was conducted.
- 01/2014 – Geospatial QAPP executed.
- 08/2014 – Monitoring QAPP executed.
- 08/2014 – Database design completed.
- 10/2014 – Water quality sampling began.
- 03/2015 – Data Submission #1 uploaded to the Surface Water Quality Monitoring Information System (SWQMIS).
- 05/2015 – ANRA Board of Directors approved a subcontract with a local registered sanitarian for OSSF site design services.
- 06/2015 – Portions of Attoyac Bayou within Rusk and Shelby counties are added to the OSSF repair and replacement program.
- 10/2015 – Data Submission #2 uploaded to SWQMIS.
- 02/2016 – ANRA Board of Directors approved a subcontract with a local OSSF service provider to for OSSF installation and repair.
- 03/2016 – Data Submission #3 uploaded to SWQMIS.
- 05/2016 – Water quality sampling ended.
- 08/2016 – Data Submission #4 (final submission) uploaded to SWQMIS.
- 08/2016 – Twenty-three OSSFs repaired or replaced.
- 09/2016 – Final Project Report completed.