



Upper Neches River Basin 2013 Basin Highlights Report

A Watershed Characterization of Impaired Water
Bodies in the Neches River Basin



Watershed Characterization Report

- For the 2013 Basin Highlights Report, ANRA will be preparing a Watershed Characterization Report
- The Watershed Characterization Report serves to characterize impaired water bodies and/or water bodies of interest
- This is accomplished by:
 - Reviewing data
 - Mapping land use and permits
 - Tracking watershed events
 - Recording information from site visits
 - Communication with monitoring personnel, stakeholders, and local residents



Watershed Characterization Report

- The goal of the report is describe the key sources that are most likely to impact water quality
- The report is designed to provide a collection of local knowledge for use in prioritizing monitoring efforts
- The report will also provide useful information about the watershed that can be used for Watershed Action Planning activities



Watershed Characterization Report Contents

- For each segment or water body discussed in the report, the following information will be presented:
 - Segment Description
 - Describes the segment, assessment unit boundaries, historically monitored sites, and site(s) believed to be responsible for the impairment or interest
 - Hydrologic Characteristics
 - Streamflow variability, reservoir dynamics, seasonality of flow, and typical flow trends
 - Description of Water Quality Issue
 - Identify why the water body is listed or of interest, the number of samples, parameter(s) of impairment or concern, assessment results, water quality standards for comparison, etc.



Watershed Characterization Report Contents (cont.)

- Land Use and Natural Characteristics
 - Description of the land surrounding the segment, including satellite imagery or GIS and maps of permitted discharges, landfills, oil/gas operations, etc., as well as soil types, vegetation, wildlife, precipitation, temperatures, and eco-regions

- Potential Cause of Water Quality Issue
 - Identify possible causes using satellite imagery, watershed surveys, and communication with stakeholders and staff from state and local agencies

- Potential Stakeholders
 - Companies, agencies, or organizations that have a vested interest

- Recommended Actions
 - Proposed next steps based on the potential causes or impairment or interest, number of years on the 303(d) List, quality of the listing data, and knowledge of the site



Watershed Characterization Report Contents (cont.)

- Maps
 - Satellite imagery or GIS renderings beginning at the watershed level and “drilling down” to the monitoring site level

- Ongoing Projects
 - Current or future projects that will occur in the segment (e.g., TMDLs, special studies, NPS projects, etc.)

- Major Watershed Events
 - Anticipated or known occurrences that have the potential to either positively or negatively impact water quality (such as new/amended permits, fish kills, flood/drought, implementing BMPs, and land development)

- Images
 - Photographic images of the watershed and areas of interest

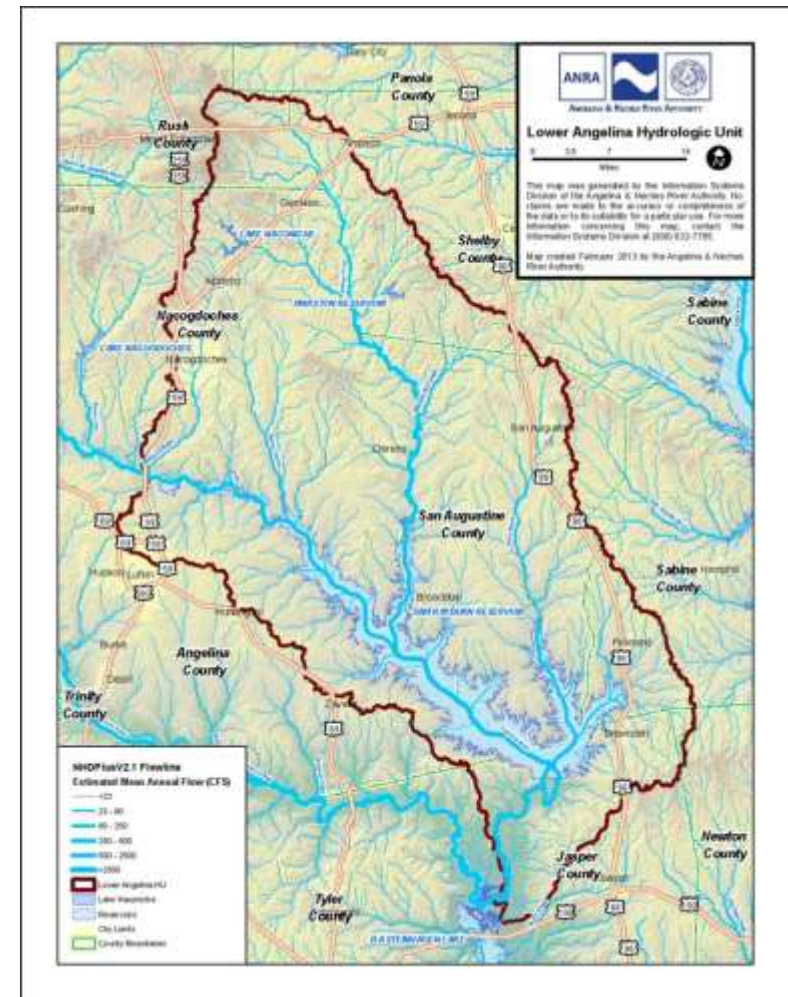


2013 Upper Neches Basin Highlights Report

The FY 13 Upper Neches Basin Highlights Report has been developed to present a watershed characterization of impaired water bodies and/or water bodies of interest in the Lower Angelina Sub-Basin.

The report will focus on the following segments:

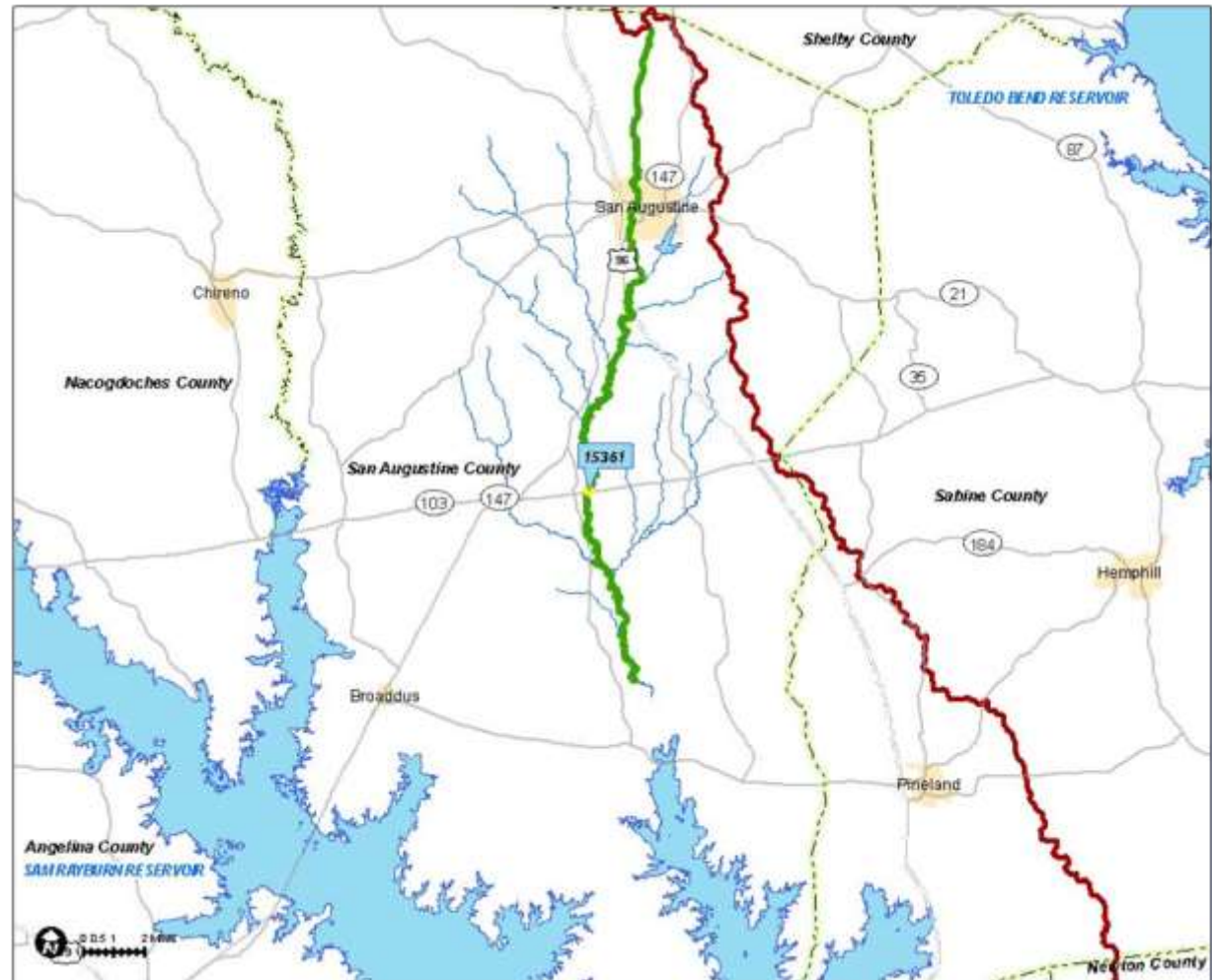
- Sam Rayburn Reservoir
- Attoyac Bayou
- Ayish Bayou
- La Nana Bayou





Example of Information Provided for Ayish Bayou

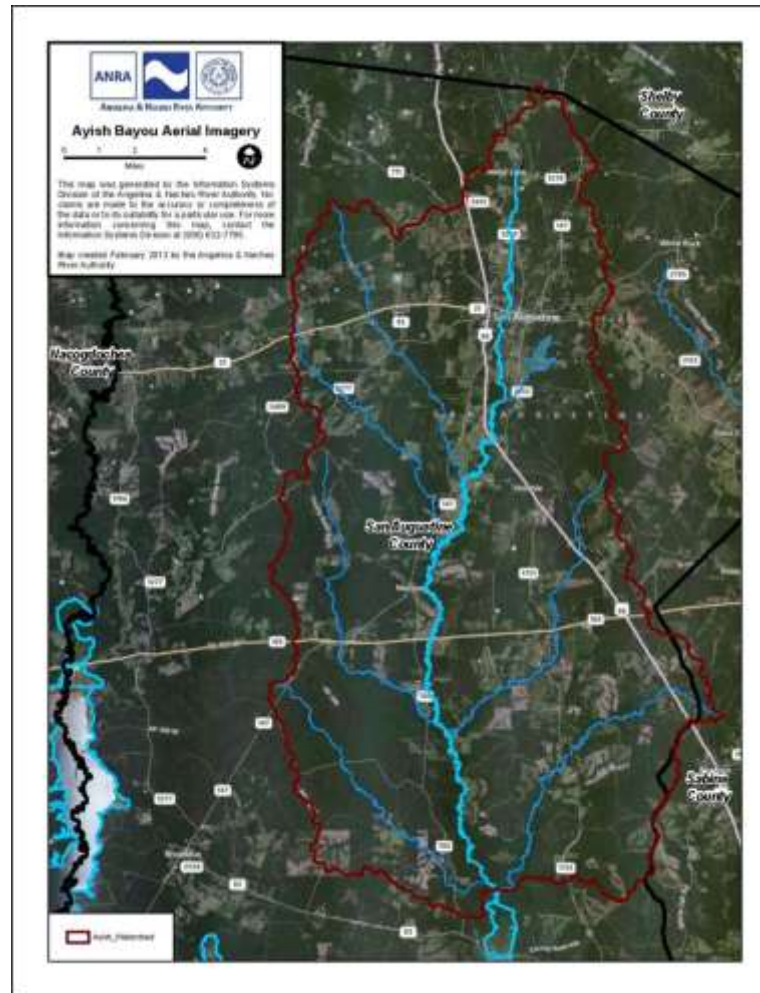
Segment Map





Example of Information Provided for Ayish Bayou

Aerial Imagery





Example of Information Provided for Ayish Bayou

Images





Request for Stakeholder Input

- Any stakeholders with an interest in the water bodies located in the Lower Angelina Sub-Basin are encouraged to submit comments or provide information regarding the water bodies for possible inclusion in the Watershed Characterization Report
- Please address comments or information to:

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