



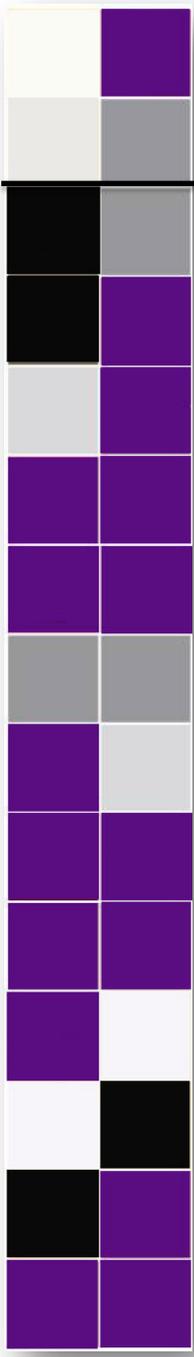
Tarleton State University
A member of The Texas A&M University System



Mid Pecan Bayou

Field Surveys





Field Surveys

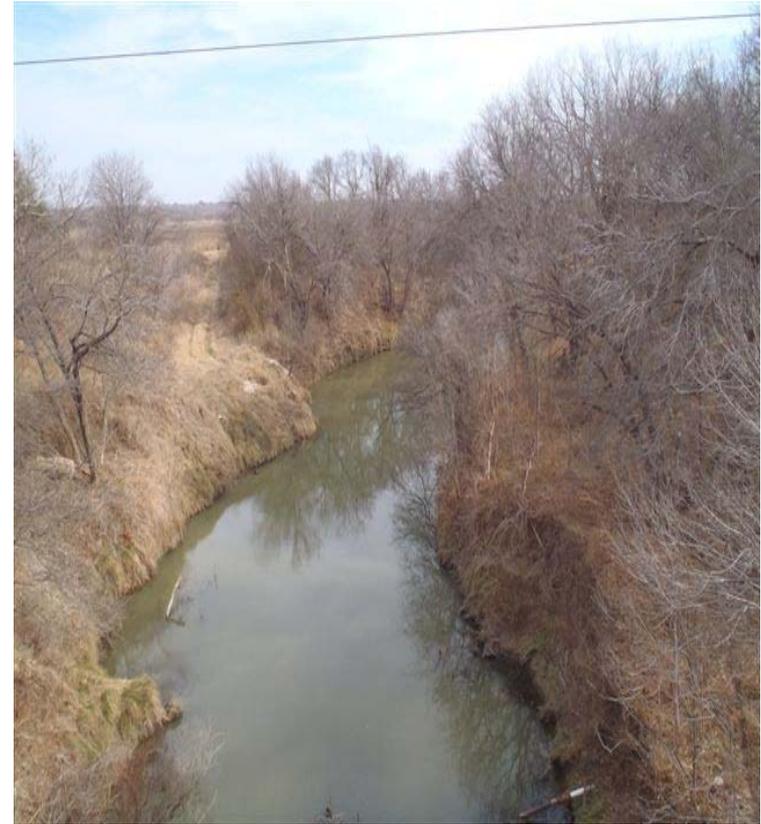
- What it's going to entail
 - Pictures
 - Interviews
 - Transects
 - 3 sites per 5 miles
 - 2 stream surveys per site
 - Conduct surveys in 2011
 - Site Finalization
 - Memorial Day weekend
 - Late July



Photograph Examples



Fishing Tackle



**Mid Pecan Bayou @ FM 2126
(downstream)**



Photograph Examples



Evidence of Human use



Upstream



Photograph Examples



No Dumping Sign



No Trespassing Sign



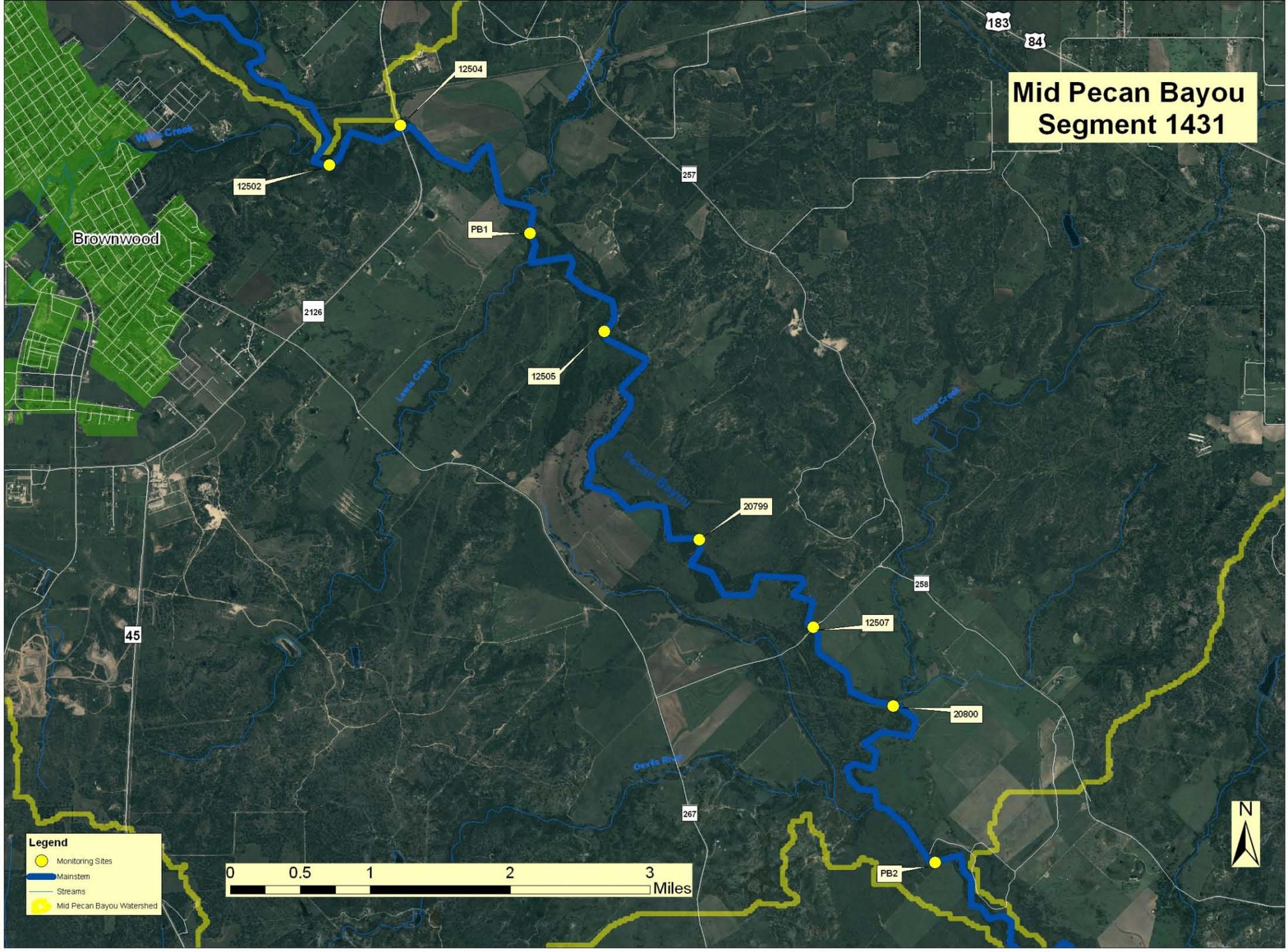
Photograph Examples



Driven path down to stream



Mid Pecan Bayou Segment 1431



Legend

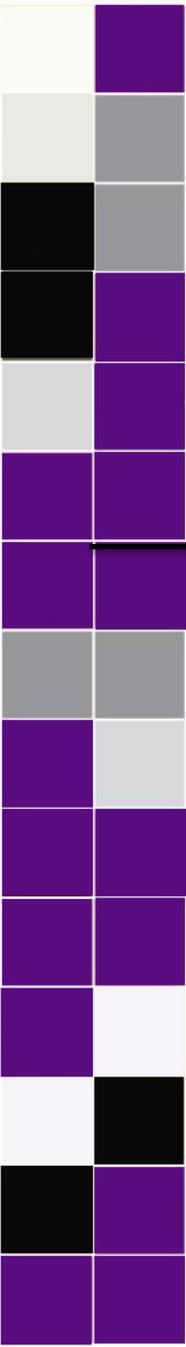
- Monitoring Sites
- Mainstem
- Streams
- Mid Pecan Bayou Watershed



Needed Assistance from Cooperating Landowners

- Information on representative areas in each assessment unit at which RUAA may be appropriate
- Access to private lands both adjacent to road crossings and within properties for reconnaissance efforts for recreational uses
- Commitment to allow reconnaissance visit and 2 visits over spring and summer 2011 for completion of the RUAA

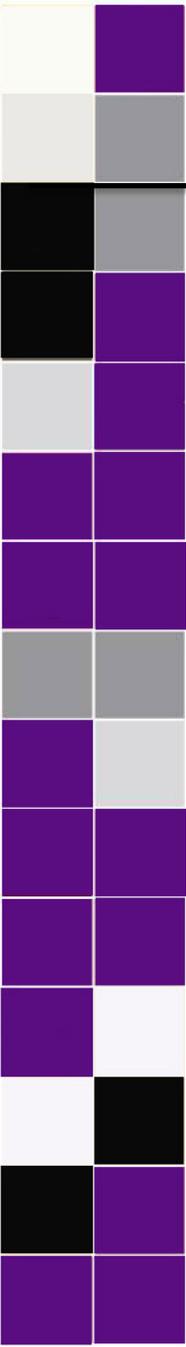




Mid Pecan Bayou

Bacteria Source Survey

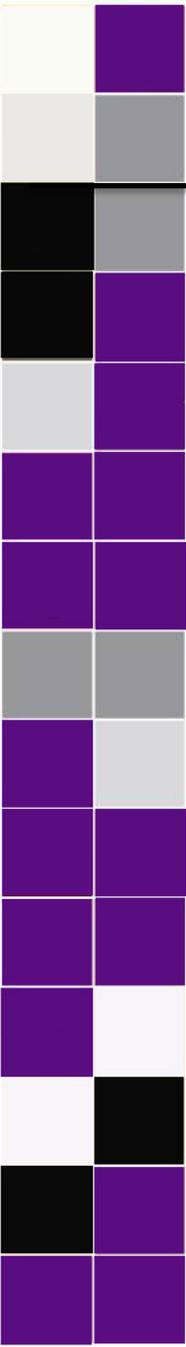




Bacteria Source Survey

- Watershed source survey characterizes the possible sources of bacteria loadings
- Will identify locations of possible bacteria sources
- Survey will represent warm and cool seasons and low and high flow conditions
- Local stakeholders and technical experts will be consulted in the development of the source survey



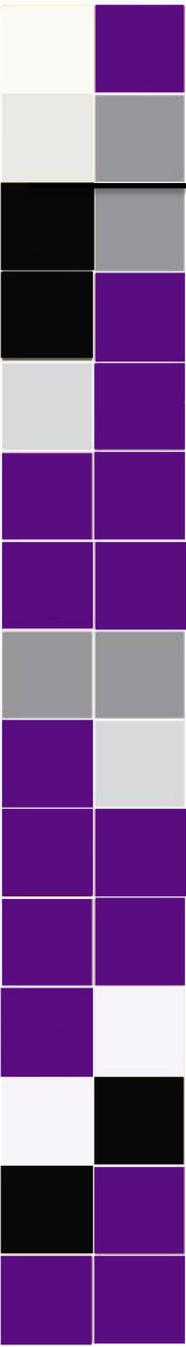


Bacteria Source Survey

– **Evaluation of sources like:**

- Wastewater Treatment Facilities
- Central Sewage Collection Systems
- On-site Sewage Facilities (septic systems)
- Municipal Separate Storm Sewer System
- Compliance issues: Texas Pollutant Discharge Elimination System
- Wildlife, livestock, and non-domestic animal populations

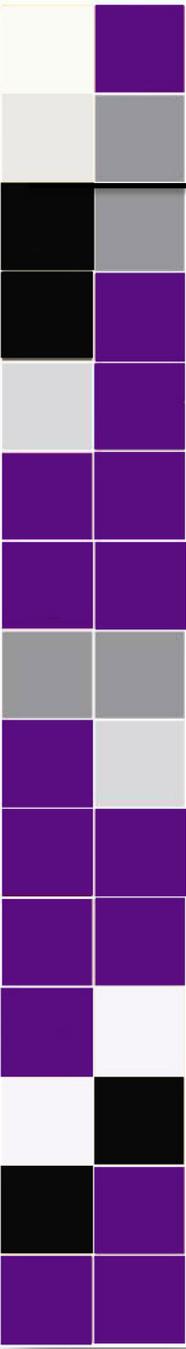




Bacteria Source Survey

- Technical Meeting
 - Made up of local stakeholders and technical experts that characterize possible sources of bacteria loadings

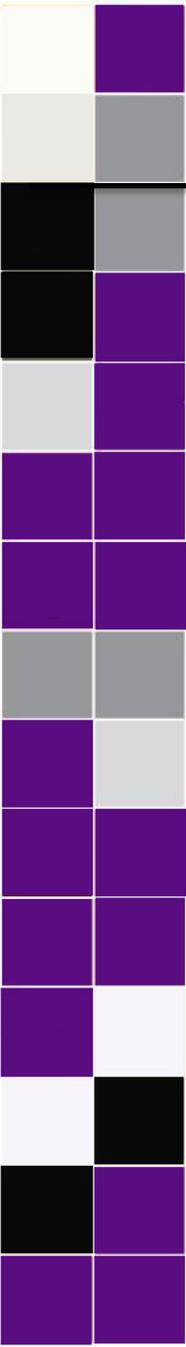




Bacteria Source Survey

- Technical Expert Review (Proposed)
 - Texas Parks and Wildlife Department
 - Texas Department of Agriculture
 - Texas Commission on Environmental Quality
 - Texas AgriLife Extension Service
 - Texas Forest Service
 - U.S. Geological Survey
 - U.S. Fish and Wildlife Service
 - USDA Natural Resources Conservation Service
 - USDA Agricultural Research Service
 - Lower Colorado River Authority
 - Also affected municipalities, counties, and SWCDs

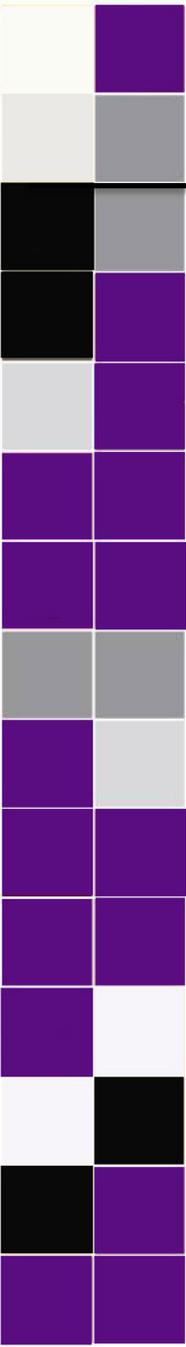




Bacteria Source Survey

- Source Survey Design
 - Will be designated from Technical meeting and should be developed to represent warm and cool seasons and low and high flow conditions





Bacteria Source Survey

Assessment:

- Boating or walking portions of the impaired segment
- GIS inventory of the study area
- Historical water quality data review



Questions?

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Next Steps

- Site Finalization
- Scheduling/Planning a Technical Source Survey Design Meeting
- Historical Fact Finding
- 1st Field Survey – Memorial Day
- Next Public Meeting – June/July