The Attoyac Watershed Protection Plan – Sampling Update

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Sampling Update

• Have had 7 more sampling events since the last stakeholder meeting
• We are a month away from the halfway point of the water sampling for the project
• Sampled the Waste Water Treatment Facility Sites at the end of May
• Continue to send samples to Texas A&M and ANRA
Sampling Update

- A few of the waste water sites were found to have elevated levels of bacteria which is common in the warmer months
- Other sampling parameters have been generally consistent
- Decreased stream flows, have led to decreases in dissolved oxygen at these sites as well
Sampling Update

Attoyac @ FM 138

- Dissolved Oxygen (mg/L)
- Flow (cfs)

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Sampling Update

• We continue to have issues with the Beaver Dams at 84, 59, West, Waffelow and Terrapin Creeks
Sampling Update

- Waffelow Creek has changed from a deer carcass dump site to a television disposal site since the last meeting.
Sampling Update

- Continue to have issue sampling flow with the addition of the debris from the clearing of timber along FM95 near Terrapin
Sampling Update

• We are continuing to collect fecal samples from all animals throughout the watershed and have had a good number submitted already

• Would like to increase the number of samples collected
  – This will help better identify what types of bacteria are found in the water

• We will need continued help from you in this process
Recreational Use- Attainability Analysis (RUAA)
Proposed RUAA Sampling

Site Selection:
- Attoyac: 18 sites
- Big Iron Ore: 5 sites
- Naconiche: 11 sites
- Terrapin: 4 sites
- Waffelow: 3 sites
- West: 6 sites

Sites are a mix of public road crossings and private lands
- Landowners have generously granted permission for this work

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RUAA Methodology

• Site Surveys - document evidence of use with photographic records
  – Actual recreation occurring
  – Evidences like:
    • Rope swings
    • Fishing tackle on bank or in snags
    • Litter associated with such activities
    • Hydrologic modifications
    • OR, lack of use, like dry creek beds

• Upstream and downstream, left and right bank
RUAA Methodology

- Measure basic stream parameters.
  - Stream width, depth, and flow
  - Water and air temperature
  - Bankside land use, condition of riparian zone
  - Streambank and bottom characteristics
  - Ease of bank access
RUAA Methodology

• Interviews
  – Recreation users present during field surveys
  – Streamside landowners and local residents
  – Hunting clubs
Contact Info

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