

Agenda
East Texas Aquatic Work Group Meeting
July 22, 2021 10:00 a.m.

- I. Welcome and overview: Natural Resources Program, Texas Comptroller's Office

- II. Presentations:
 1. Alligator snapping turtle research update, Stephen F. Austin State University
 2. Western chicken turtle and alligator snapping turtle research update, University of Houston-Clear Lake
 3. Louisiana pigtoe research update, Texas State University

- III. Discussion items:
 1. Do the proposed research tasks address the research needs we have for the Louisiana pigtoe and Texas heelsplitter? (Please see attachment A)

Attachment A

East Texas Mussel Research

Research Goals:

Improve our understanding of the Louisiana Pigtoe, Texas Heelsplitter, and associated mussel assemblages by monitoring and assessing the thermal and water quality tolerances of the species.

Research Objectives:

Use occupied natural and constructed water bodies to track population trends and document life history of the species of interest and associated mussel assemblages. Test thermal and water quality tolerances of the species and associated mussel community.

Suggested tasks include:

Monitor species of interest for at least two full calendar years in natural and constructed environments to establish key reproductive patterns (spawning/gravid periods) and host fish in coordination with existing survey projects.

1. Monitor species of interest for at least two full calendar years in natural and constructed environments to establish key reproductive patterns (spawning/gravid periods) and host fish in coordination with existing survey projects.
2. Collect species and conduct lab experiments evaluating thermal and water quality tolerances in coordination with stakeholders and informed by existing water quality data and records.