Program Purpose

• Designed to identify concerns and communicate information about water quality, physical processes and riverine communities, including aquatic and riparian habitats, so they may be protected, conserved and/or restored.

• The information gathered will be used to preserve and protect the aquatic health in the San Antonio River Watershed, estuaries and bays, and influence management decisions.
## Current Program Projects/Efforts

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</table>
Clean Rivers Program 2017

• Coordinated Monitoring Schedule preparation

• Biological and 24-hr dissolved oxygen sampling begins March 15th
Environmental Flows Validation

• Field sampling with Biowest and Baylor ongoing

• Possibility of future work pending
Mid/Lower Cibolo Creek WPP

- Public meetings being held, draft WPP being sent to stakeholders soon

- No qualifying rain events in FY18
Holistic Freshwater Mussel Project

• Finished* main stem SAR sampling on 11/8/17

• 11 species, 932 individuals

• Avg. CPUE of 3.377 ind/man hour
Holistic Freshwater Mussel Project

Giant Floater

Rock Pocketbook
Mission Reach Avian Study – Year 3

- Surveys, data entry and data QA/QC ongoing

Avian Combined Counts - WORKING

83,558

North 1-6: 22,438
South 13-16: 26,184
Middle 7-9; 11-12: 34,936
Feral Hog Management

- 306 hogs removed from Oct-Dec
- Additional 106 removed during aerial operation in Jan

2,878 feral hogs removed to date
USGS Oil & Gas Constituents Phase II

• Analyzing land use/land cover change

• Draft report scheduled for SARA review around July 2018
LIMS Replacement

• Six week delay in Phase II implementation
• Field Collection Module scrapped
• Labworks providing support as needed
• Released $120,000
Watershed Wise River Discovery

• Activenet reservation system purchased
• Video being collected for modules
• Continued development of new platform through WordPress
Water Quality Data Analytics

- Additional compiler license purchased
- Working on bug fixes, user testing and quick start guide
Mission Reach Mussel Survivability Study

• First full measurement days Feb. 5-6
• 100% survivability
FY19 Proposed Projects

• Stream Restoration and Conservation Augmentation

• Freshwater Mussel Propagation and Production

• Acquisition and Preservation of Historical Data in San Antonio Bay

• Update for the SA Bay Biological Database Manager and Coastal Fisheries Update
FY19 Proposed Projects
Stream Restoration and Conservation Augmentation

• Project Timeline: 7/2/2018 – 6/30/2020
• Planned Cost: ~$320,000
• Project Scope: Outreach and incentive program for stream conservation and restoration. Assist landowners w/NRCS EQIP applications
FY19 Proposed Projects
FW Mussel Propagation and Production

• Project Timeline: 7/1/2018 – 6/30/2021
• Planned Cost: ~$350,000
• Project Scope: Partner w/USFWS to develop methodology for mussel propagation, then transition to juvenile production to re-introduce species in the Mission Reach
FY19 Proposed Projects

Acquisition and Preservation of Historical Data in SA Bay

• Project Timeline: 7/1/2018 – 1/2/2020
• Planned Cost: ~$100,000
• Project Scope: Collect SA Bay data and transform to digital copies so available data is not lost and becomes more easily accessible.
FY19 Proposed Projects
Update for the SA Bay Biological Database Manager and Coastal Fisher Update

• Project Timeline: 9/1/2018 – 8/30/2019
• Planned Cost: ~$60,000
• Project Scope: Update SA Bay Biological Database Manager and load latest dataset from TPWD for SA Bay. Manager could be distributed to agencies, universities, etc.
Questions?