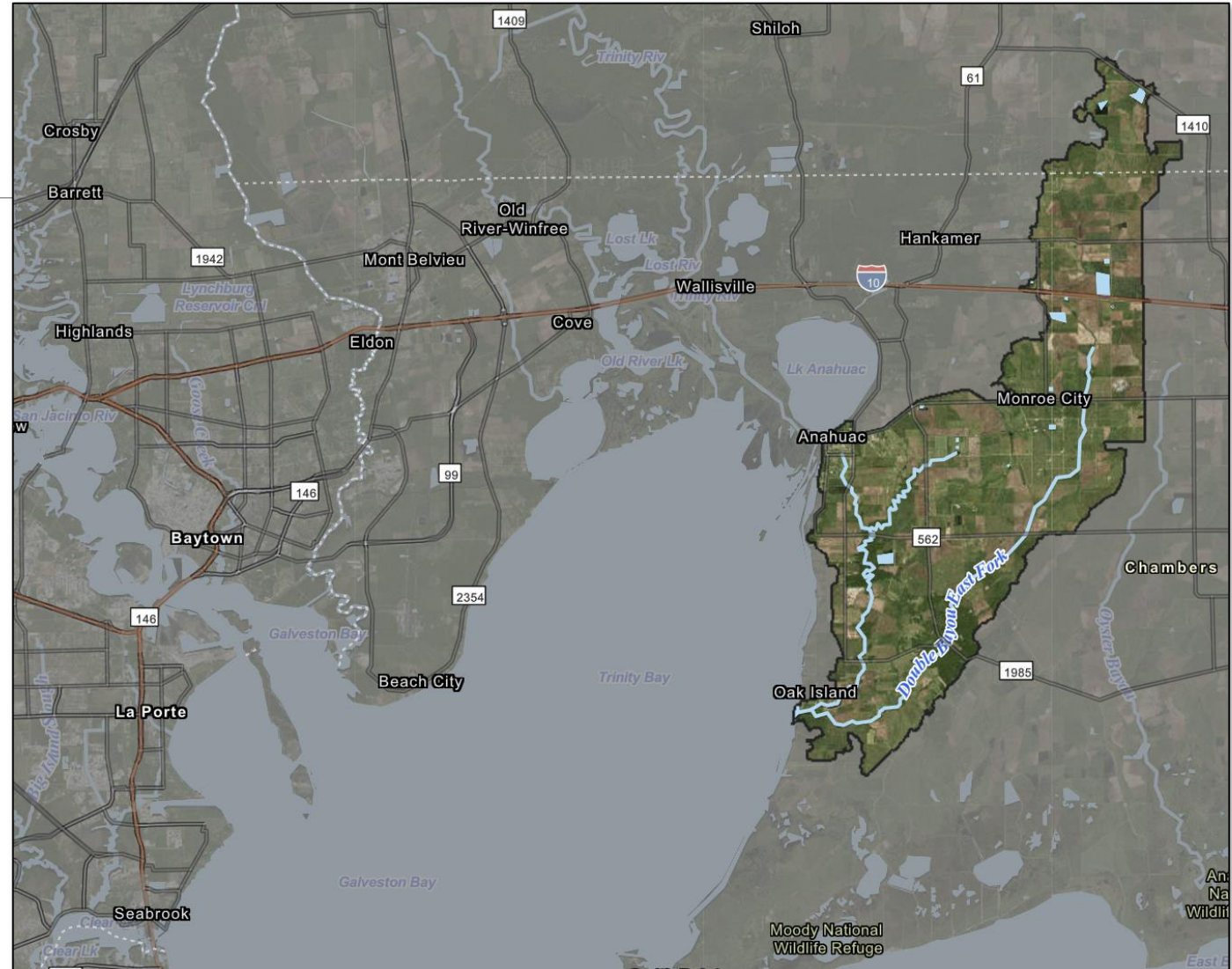


# Double Bayou Watershed Protection Planning



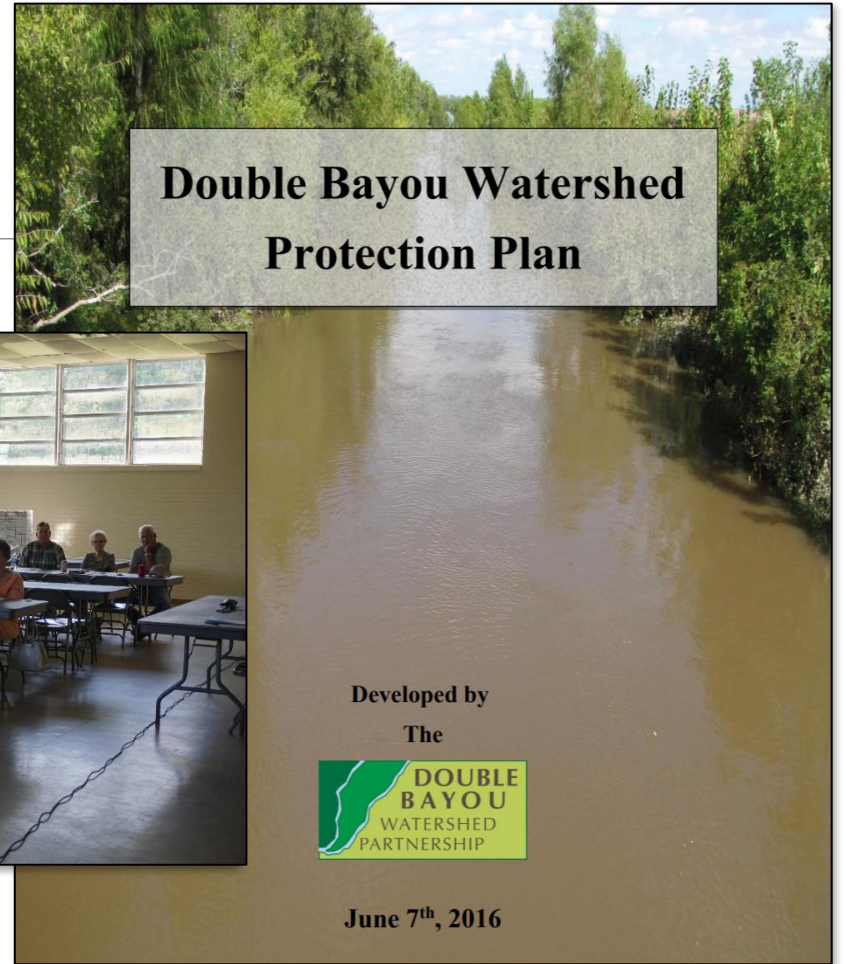
# Overview

- Chambers County
- 98 square miles
- Population
  - 3,335 (estimate 2010 Census block)
- City of Anahuac
- Rural Agriculture
- East & West Fork Double Bayou
  - East Fork (tidal/nontidal) - **Contact Recreation**
  - West Fork (tidal) - **Contact Recreation & Aquatic Life**



# Past: Road to Plan

- Kick off meeting May 21, 2013
- 15 General Meetings
- Seven sets of workgroups
  - Agriculture/Wildlife/Feral Hogs
  - Recreation/Hunting
  - Wastewater/Septic
  - Residential
- 113 individual stakeholders
- Water quality monitoring, modeling, & analysis



**As of July 19, 2016, the stakeholder approved and EPA reviewed.**

***Double Bayou Watershed Protection Plan is now final!***

# Present: Implementation

- 10-year total in plan
- Funding TSSWCB 319 grant & portion match from GBEP (TCEQ) (3-year):
  - Water quality monitoring, data analysis, milestone tracking



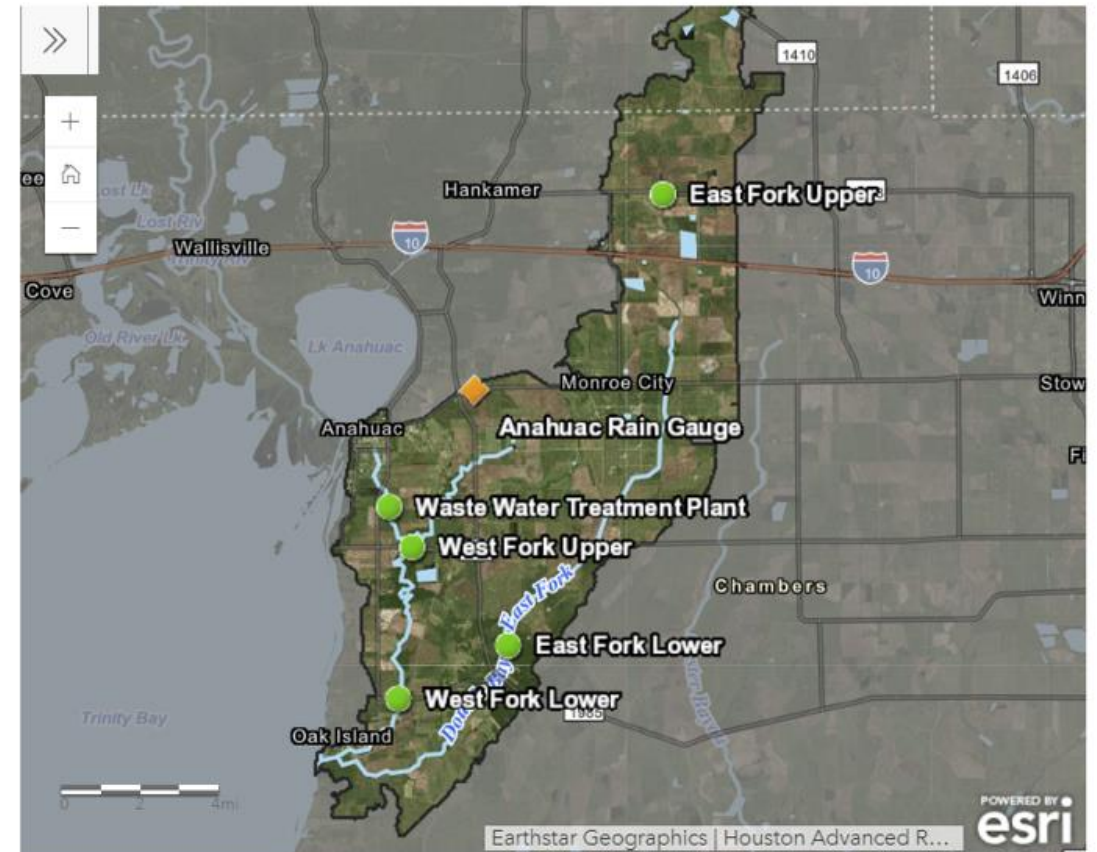
# Interactive Viewer

- Geospatial Application
  - Double Bayou Watershed project boundary
  - Land use characteristics
  - Hydrology
  - Monitoring stations and water quality results

<http://www.harcresearch.org/DBViewer>

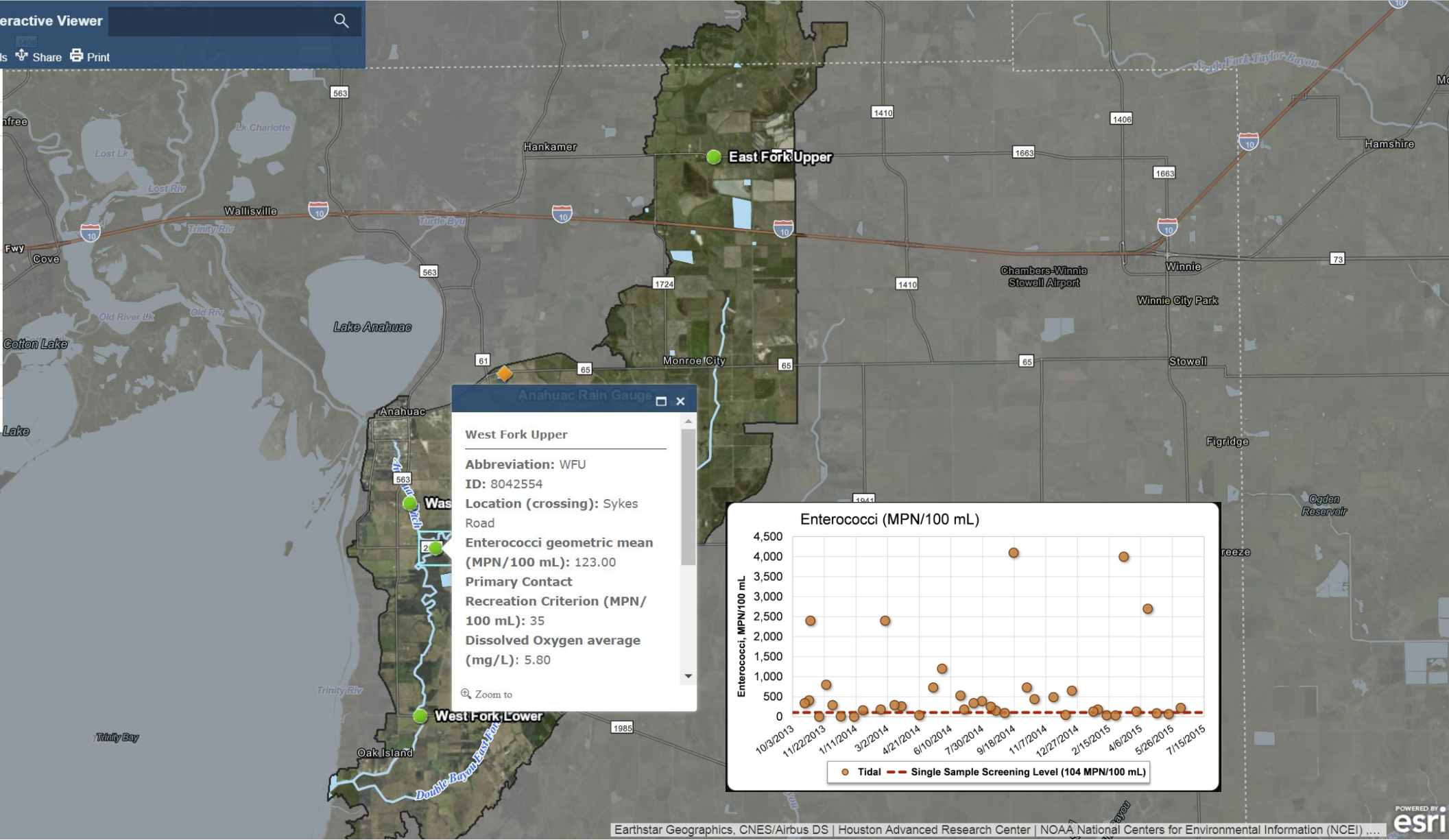
## Explore

The Double Bayou watershed is situated in the eastern portion of the Lower Galveston Bay watershed. Double Bayou has two forks, the West and East, which converge just above the mouth of the Bayou at Oak Island before draining into Trinity Bay. Use the map below or follow this [link](#) to interactively explore land use characteristics, hydrology, and sampling stations located in the Double Bayou Watershed.



Try <http://www.harcresearch.org/DBViewer> for a full viewing experience

- Water Quality Sampling (TCEQ)
- Water Quality Sampling (USGS)
- Rain Gauge
- Roads and Features
- USGS Watersheds HUC10 Summary Stats
- Double Bayou Watershed
- Stream Segment Impairments (TCEQ 2014)
- Texas Streams and Water Bodies
- Floodplains (FEMA NFHL)
- Land Cover (NOAA CCAP 2010)



**Anahuac Rain Gauge**

**West Fork Upper**

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**Abbreviation:** WFU

**ID:** 8042554

**Location (crossing):** Sykes Road

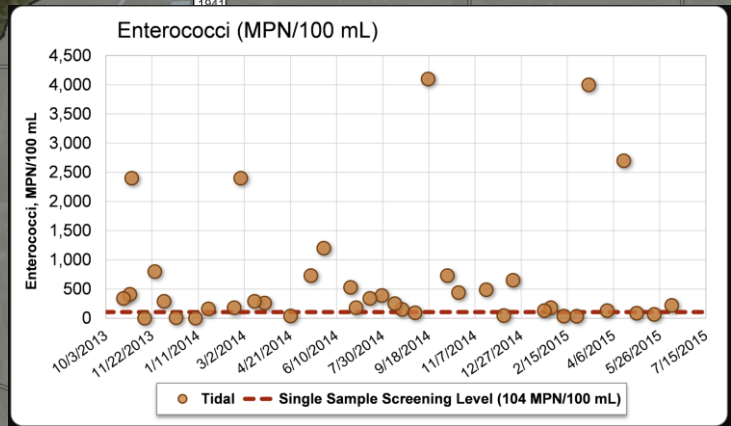
**Enterococci geometric mean (MPN/100 mL):** 123.00

**Primary Contact**

**Recreation Criterion (MPN/100 mL):** 35

**Dissolved Oxygen average (mg/L):** 5.80

[Zoom to](#)





# Outreach: Coastal Communities

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- Focuses on nine nonpoint source pollutions sources from residences and how to prevent them
- Freddie the Fish presentation to Anahuac ISD 4th grade students
- Each student and all the teachers in the school received outreach materials
- Multilingual outreaches materials
- Install MedSafe drug take-back systems in Chambers County



## ABOUT COASTAL COMMUNITIES

Houston-Galveston Area Council's (H-GAC) Coastal Communities program is a locally-led effort to provide resources and support for small communities in coastal watersheds of the upper Texas Gulf Coast region. The program is designed to help small, coastal communities prevent water pollution by providing resources that evaluate nonpoint source reduction needs, locate funding opportunities, and promote education and outreach. The program is designed to help small communities without municipal separate storm sewer system permits (MS4) in the coastal areas of Brazoria, Chambers, Galveston, and Matagorda counties engage residents in behavior change to reduce the potential for water pollution.

Information about funding sources, model ordinances and resources, workshops and training, education and outreach materials, and other resources are available throughout this website. Additional assistance in identifying funding sources or nonpoint source solutions for coastal communities is available upon request.

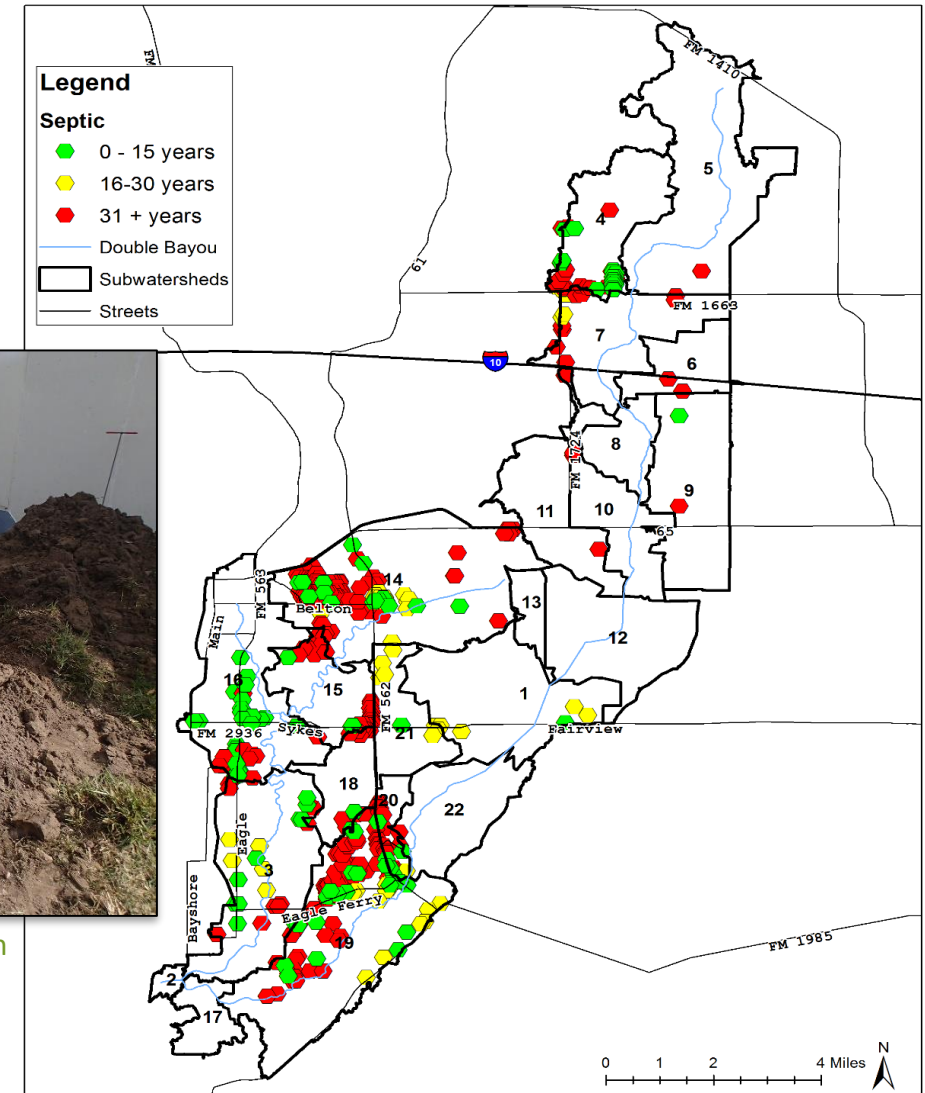


# Wastewater: OSSF Replacement

- Houston-Galveston Area Council Residential Wastewater Assistance Program
  - TCEQ SEP, a Harris County SEP, Dow Community Grant, and Olin Employee Giving Program
- Installation of **3 new OSSFs** - Oak Island East Fork
  - ~ 40k worth of work
- 2 more systems pending – East Fork



Example OSSF replacement; Photo credit Ryan Gerlich





# Agriculture: Water Quality Management Plans

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- New producer plans certified – 4
- New producer plans requested – 2
- Plans re-certified – 5
- Continued communication with landowners, farmers and ranchers benefits of Water Quality Management Plans for their property's resources

**Jimmy Weaver**  
**Trinity Bay SWCD**  
**District Technician**  
**(409) 267-3581**  
**(936)641-7366**

**[James.weaver@tx.nacdnet.net](mailto:James.weaver@tx.nacdnet.net)**



# Feral Hog Removal

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- Chambers County Sherriff's Office
  - Dec. 2019: 77 hogs
  - Jan. 2020: 49 hogs
  - Feb. 2020: 18 hogs
  - March 2020: 9 hogs

Total: **153**

*Average 1-3 hogs per day*



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# Questions?

