

# TWRI Activities in the La Nana Bayou

ANRA CRP Steering Committee Mtg  
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**Ed Rhodes**

Texas A&M AgriLife Research

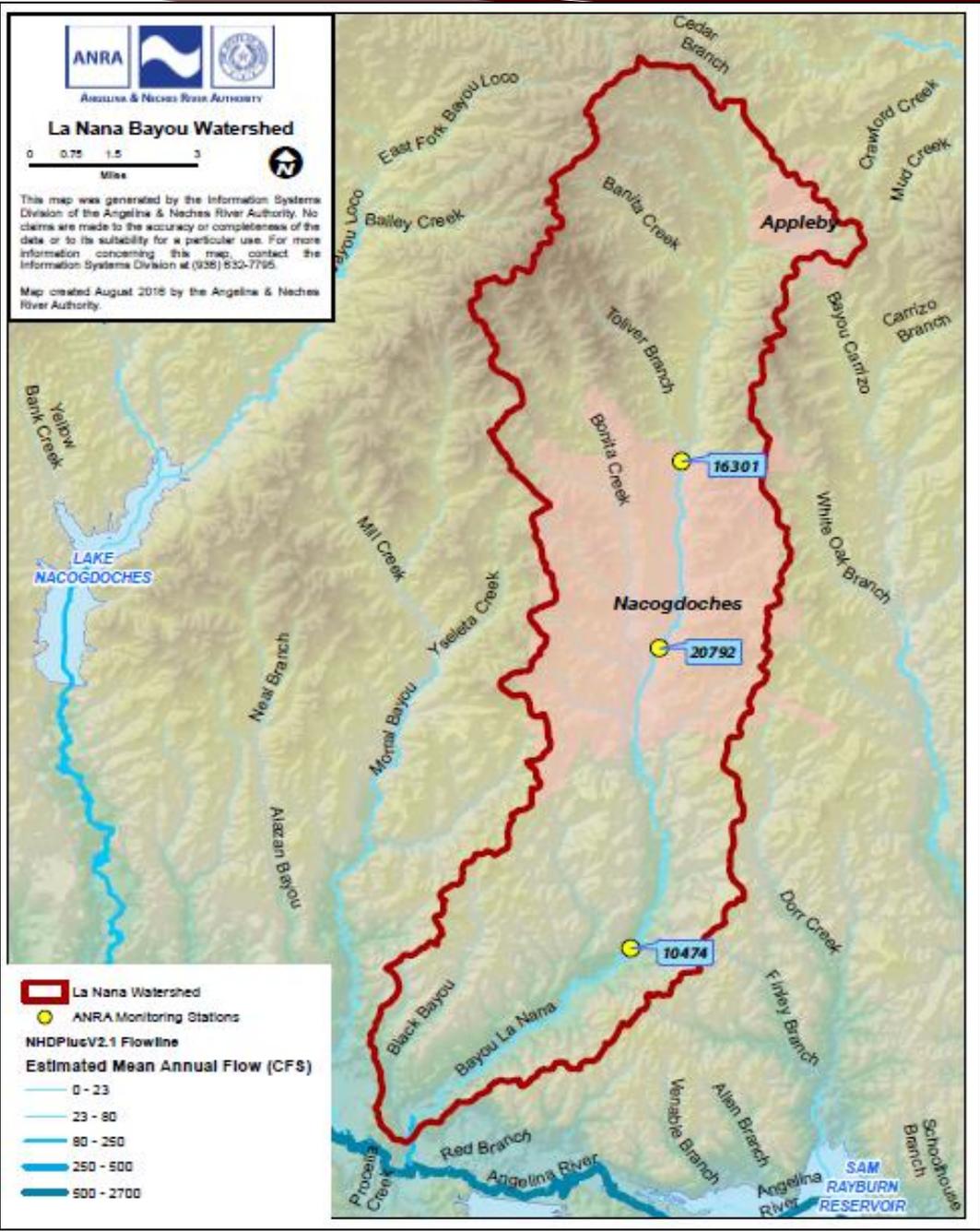
Texas Water Resources Institute

[edward.Rhodes@agnet.tamu.edu](mailto:edward.Rhodes@agnet.tamu.edu)



# La Nana Bayou Impairment

- ⦿ Impaired for not meeting primary contact recreation bacteria standard
  - ⦿ All parts of the Bayou are impaired
- ⦿ Concerns for elevated ammonia-nitrogen, nitrate-nitrogen, and total phosphorous in the downstream portion of the bayou



La Nana Bayou Watershed (Source: ANRA)

# Significance of Impairments

- ⦿ *E. coli* data collected are higher than allowable state standards
- ⦿ Improve water quality to meet state standards according to the Clean Water Act
- ⦿ Options include:
  - ⦿ Watershed Protection Plans (WPPs)
  - ⦿ Total Maximum Daily Loads (TMDLs)

# Watershed Characterization

- ⦿ Collect additional data in the La Nana Bayou watershed
  - ⦿ More accurately characterize the watershed's hydrology and present *E. coli* levels
  - ⦿ Evaluate existing *E. coli* sources in the watershed
  - ⦿ Begin public awareness campaign about local water quality
  - ⦿ Gauge local interest in preferred planning approach

# Field Data Collection

- ⦿ Monthly Routine Monitoring (ANRA)
  - ⦿ Stations
    - ⦿ 10474
    - ⦿ 16301
    - ⦿ 20792
- ⦿ Exploratory & Intensive Sampling (TWRI/ANRA)
  - ⦿ Round 1 (Completed)
    - ⦿ 25 sites
  - ⦿ Round 2 (Fall 2018)
    - ⦿ ~75 sites



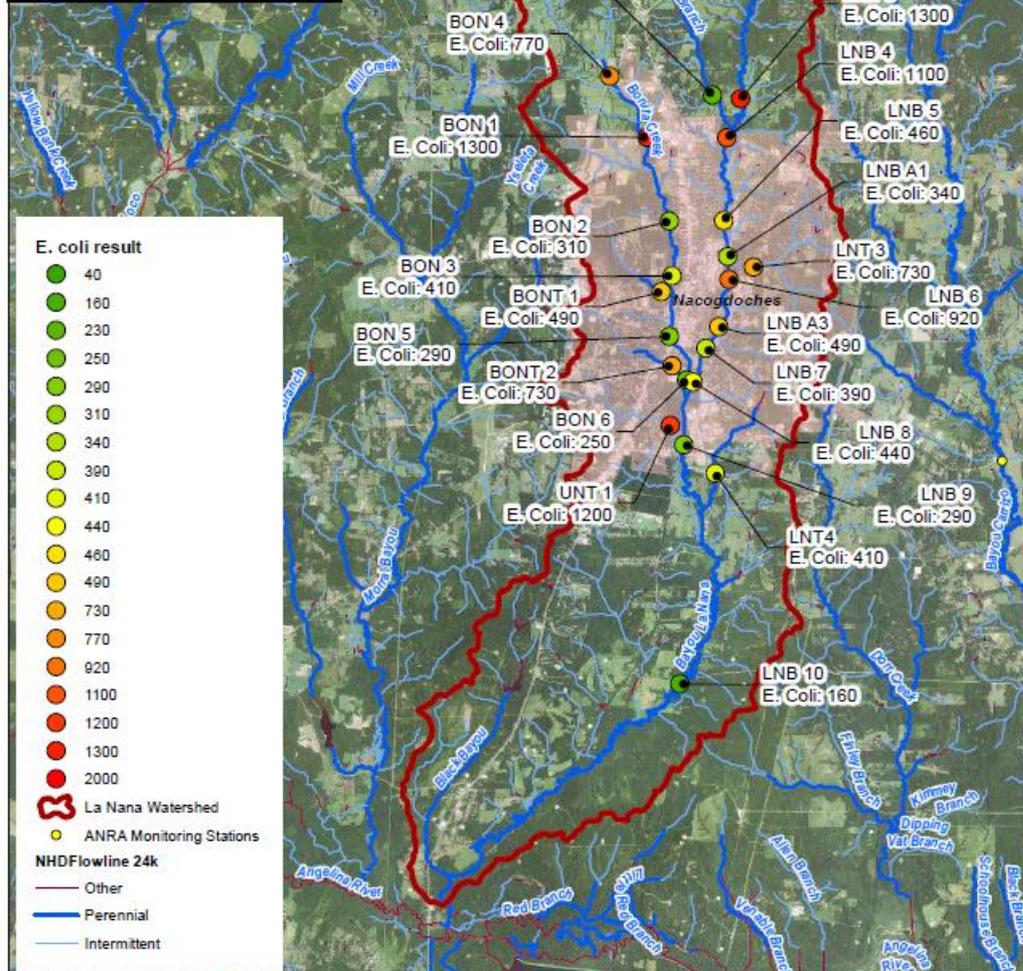
ANGELINA & NECHES RIVER AUTHORITY

### La Nana Bayou Watershed Intensive Monitoring Sites



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Map created May 2018 by the Angelina & Neches River Authority.



# Thank You

Ed Rhodes

Research Associate  
Texas Water Resources Institute  
[edward.rhodes@agnet.tamu.edu](mailto:edward.rhodes@agnet.tamu.edu)  
(979) 458-5663