

Nueces River Authority Proposed Copano Bay TMDL Monitoring

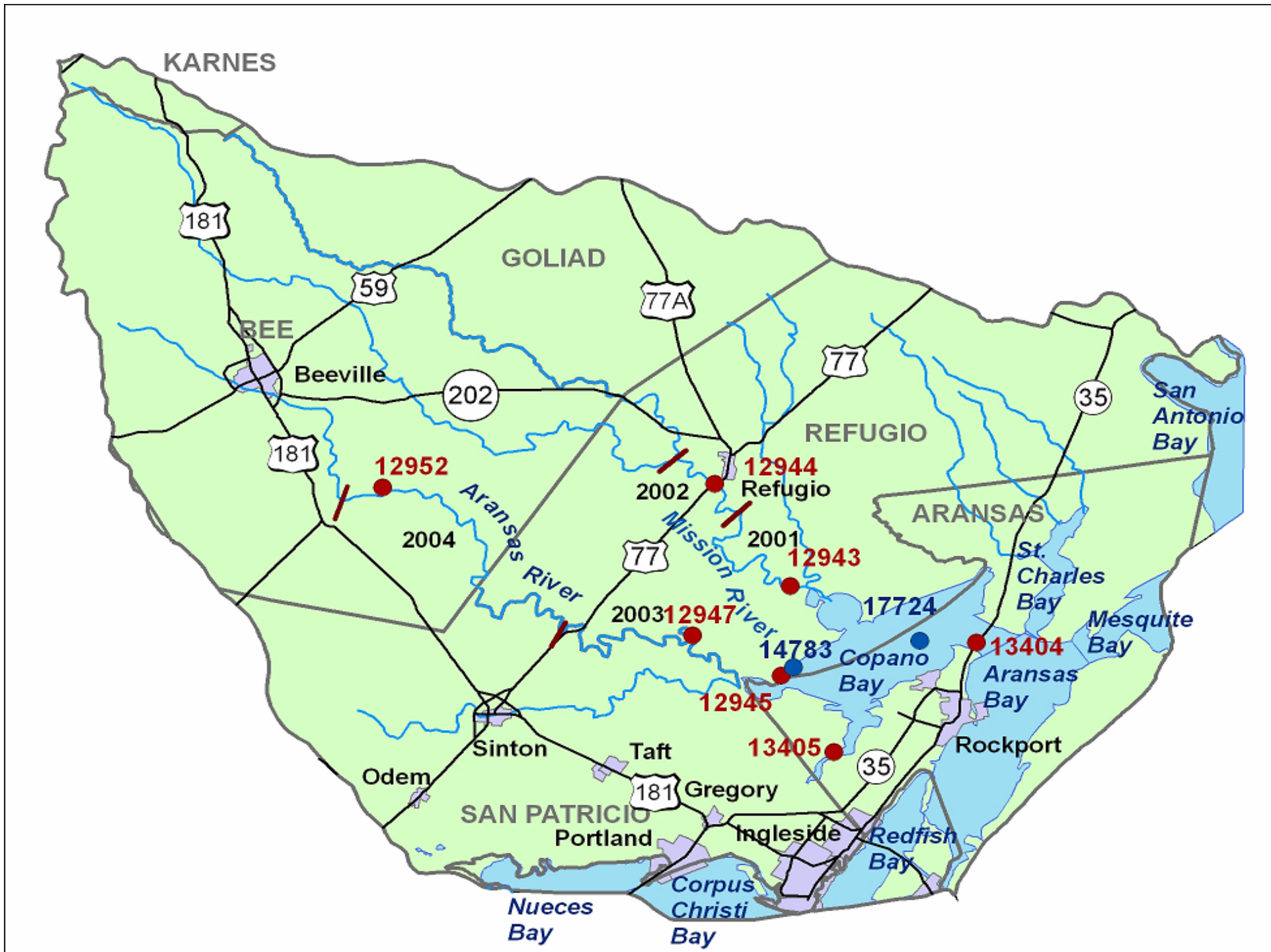


Nueces River Authority

- Nueces River Authority is a Program Partner with the Texas Commission on Environmental Quality (TCEQ) and the Clean Rivers Program (CRP) conducting Water Quality Monitoring in River and Coastal Habitats since 1998.
- Water Quality Monitoring follows State Protocol as outlined in the TCEQ Surface Water Quality Monitoring Manual (RG-415, 2003).

Nueces River Authority Current Monitoring

- NRA and TCEQ currently conduct water quality monitoring at 9 sites in Copano Bay and its associated watershed on a quarterly basis.
- NRA uses the Lower Colorado River Authority (LCRA) Laboratory for Non-Bacteriological Analysis and the A&M-CC Laboratory for Bacteriological Samples



Field Parameters

- Dissolved Oxygen
- Specific Conductance
- pH
- Salinity
- Water Temperature
- Turbidity
- Total Depth
- Tide Stage
- Water Color, Odor, Wave Action
- Stream Flow (non-tidal)
- Weather Conditions: Rainfall, Wind Intensity/Direction, Cloud Cover, Air Temp.

Laboratory Parameters

- Alkalinity
- Total Dissolved Solids
- Total Suspended Solids
- Volatile Suspended Solids
- Ammonia
- Nitrate + Nitrite
- Total Phosphorus
- Orthophosphate
- Phosphorus* (sites 12947 & 12952 only)
- Total Organic Carbon
- Hardness (Fresh Water)
- Chloride
- Sulfate
- Chlorophyll-*a*
- Pheophytin-*a*
- Total Dissolved Solids
- Turbidity
- Enterococcus (marine)
- *E. coli* (freshwater)
- Flouride (TCEQ sites only)

Nueces River Authority Copano Bay TMDL Monitoring

- For the TMDL : (If funded)
 - Monthly Monitoring
 - 3 Additional Sites (proposed)
 - 3 Year Project Period
(Beginning Sept. 2006)
 - Add Fecal Coliform

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