Comprehensive sampling has been conducted on Lavaca Bay since the early 90's.

**Biological Monitoring:**
- Nekton sampling using otter trawl and gill nets
- Ichthyoplankton, phytoplankton, and zooplankton sampling
- Benthic infauna sampling
- Fish and oyster tissue analysis

**Chemical Monitoring:**
- Water, sediment, and porewater analysis for metals, volatile organics, pesticides, PCBs, and base neutrals
- Solid phase bioassays and seven-day bioassays
- Grain size analysis

**Biological assessment involves community characterization, abundance, species diversity, and species richness**

**Chemical assessment involves statistical analysis and temporal and spatial trend analysis used for analyzing water and sediment chemistry data**

**Evaluate compliance with the Texas Surface Water Quality Standards**

**Comply with the requirements of the National Pollutant Discharge Elimination System Sampling and Analysis Program**