

Cruise Report  
(Coastal Zone Project)

Rec'd 27 July 77

ROSCOP 17 Aug 77

#77013rpt

1. Ship: R/V CHEM-MIST
2. Cruise Number/Leg: Not applicable
3. Area of Operations: Texas Bay System between U.S./Mexico international border and Galveston Bay. Area encompassed within 29°33'-25°57' N latitude and 97°43'-94°30' W longitude.
4. Dates of Operations & Port Stops: Operations occurred intermittently between the dates of April 5 through May 6, 1977, during daylight hours.
5. Personnel & Affiliations:  

Ship Captain: Neal Lillard (U.S.G.S.)

Chief Scientist: Ron Miller (U.S.G.S.)

Scientific Crew: Neal Lillard (U.S.G.S.)  
Ken Roberts                   "  
Rich Anderson (B.E.G.)  
Dale Solemon               "  
Chet Safe                   "  
John Chin                   "  
John Herbert               "
- Actual work team consisted of 5-6 men. Substitutes were made as the situation required.
6. Purpose: The objective was a study of the sedimentological and depositional aspects of the Texas Bay System.
7. Scientific Equipment: Equipment utilized includes <sup>"minisparker"</sup> model 561 sparker, power supply generator, EPC graphic recorder, optic isolator, power supply, A.S.P., sparker cable, and hydrophone.
8. Navigation Techniques: All shot points were positioned by the Mini Ranger II System. Time meridian is 90° W.
9. Data Acquired: High resolution seismic data for the upper 125 meters of sediment.
10. Comments: None
11. Tabulated Information:
  - a. Days at sea - 19
  - b. working days at sea - 19
  - c. Total ship's track - 1,125 km
  - d. Continuous data - 1,125 km
  - e. Total number of shot points - 3954
  - f. Number of sample types - not applicable
12. Track Chart: Attached lines within bay system

