

78013

CRUISE REPORT

Delmarva Peninsula

- 1. Ship Name: R/V CAPTAIN JOHN SMITH
- 2. Cruise Number: CJS - 78 - 01
- 3. Parent Project: Geologic Division, USGS Reston
- 4. Area of Operation: Continental Shelf (nearshore) East of Delmarva Peninsula
- 5. Dates: Start 5 - 20 - 78  
End 5 - 25 - 78

Ports

Gloucester Point, VA  
 Wachapreague, VA  
 Oyster, VA  
 Lynnhaven, VA

- 6. Chief Scientist: Robert Mixon (USGS, Reston)  
Ken Parolski (USGS, Woods Hole)
- 7. List of names and affiliations of scientific party; name of ship's captain:
  - Robert Mixon (USGS, Reston)
  - Ken Parolski ( USGS, Woods Hole)
  - Nick Lefteriou (USGS, Woods Hole)
  - Jerry McCarthy (USGS, Woods Hole)
  - George Pongonis, Captain, Virginia Institute of Marine Science
- 8. Purpose of Cruise: The cruise was designed to locate a paleo channel incised into the shelf for which evidence exists from a past sparker survey and onshore bore holes which were done by Dr. Mixon.
- 9. Navigation Techniques: Loran C with a paper tape punch were used but the sparker "gliched" it. We switched to ship's Loran (12 VEC power) and 5 minute fixes in the log with 10 minute notations in the track charts.
- 10. List of scientific equipment employed: Teledyne Minisparker (400 joules)  
Delnorte Hydrophone  
EDO Hi-Pact System (no data)  
EPC Recorders (analog & digital)  
HP 4 channel tape deck

11. Tabulated Information:

- a. Number of days at sea: 4 days
- b. Number of kilometers of each type of continuous data: ± 115 KM
- c. Number of stations occupied (stationary stations; specify if underway stations -- give us two numbers if you had both): N/A
- d. Number of Submersible Dives (and Dive Numbers): N/A
- e. Table of Station Information: N/A

Capt. John Smith  
MAY 1978 Minisparke  
Post Cruise Trace of  
Track Chart

