

Serial # 90009

CRUISE REPORT
June 26, 1990

1. Ship Name (Parent vessel if submersible used)/submersible name:
R/V ERDA 1
2. Cruise number and leg (if any): ERDA-90-1, Leg H-90-1
3. Parent project: Mississippi/Alabama/USGS Cooperative # 9460-27017
4. Funding amount: 30,000
5. Funding agency: USGS
6. Contract number:
7. Contract start and end date: FY '90
8. Area of operations: Hancock County, MS; Mississippi Sound; Gulf of Mexico
9. Dates and ports, start and end cruise: Bayou Caddy Marina, Waveland, MS; June 13 to 17, 1990
10. Chief scientist: Jack Kindinger, USGS
11. Names and affiliations of scientific party; ship's captain: Conrad Tome, Capt., Lyle McGinnis, Argonne National Labs, DOE; Dave Nichols USGS/WH
12. Brief statement of purpose of cruise: Collect nearshore high resolution seismics, as part of ongoing coastal geologic framework studies in state cooperative projects.
13. Brief statement describing navigation techniques: GPS & Loran C, TD's recorded manually and test-case system using small boat automated recording software and hardware. Loran C was taken from Megapulse unit and GPS was from TrimbleNav.
14. Scientific equipment: Geopulse seismic system with analog data recorded on HP 8 channel recorder.

Seismic system:	HP Channels used:
Geopulse receiver	1. FM Raw Signal
Geopulse power supply	2. FM Filtered Signal
new Geopulse plate	3. FM Time code
Benthos hydrophone	4. FM ---
EPC graphic recorder	
	5. Dir Reel servo
	6. Dir Geopulse Key
	7. Dir ---
	8. Dir ---
15. Tabulated information:
 - Days at sea : One
 - Kilometers of each type of continuous data: 77 n. miles (~125 km)
 - Rolls of seismic data: 6 for entire cruise ERDA-90-1
 - Number of magnetic data tapes: 18 for entire cruise ERDA-90-1
16. Page-size trackline chart

