

JAN 25 1988

CRUISE REPORT

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M/V BLUE STREAK B (jack up barge)
Leg 3 and Leg 4

Louisiana Coastal Erosion Studies
Louisiana Geological Survey
Louisiana State University

Contract No. B8KED0323
September 14 to October 12, 1987

North-central Gulf of Mexico, east of the Mississippi River delta
and Chandeleur Sound

Cruise dates: Leg 3 September 30, 1987 leave Slidell, LA
October 5, 1987 arrive Hopedale, LA

Leg 4 October 7, 1987 leave Hopedale, LA
October 12, 1987 arrive Gulfport, MS

Co-Chief Scientists Shea Penland
Jeff Williams
John Suter
Jack Kindinger

Ship's Captain: Rodney Blanks
Scientific Crew:

Jeff Williams	USGS - Reston	Greg Taylor	LGS
Jack Kindinger	USGS - Miami Beach	Paul Kemp	LGS
Robert Wertz	USGS - Reston	Steve Brownridge	LGS
Ken Parolski	USGS - Woods Hole	Randy McBride	LGS
Shea Penland	Louisiana Geological Survey (LGS)	Ivo Bergson	LGS
John Suter	LGS	Denise Reed	LGS
Robert Seal	LGS	Toni McLaughlin	LGS
Steve Young	LGS	S. Maciasz	

Purpose of cruise: Locating and identifying potential offshore sand borrow areas for beach replenishment projects is the primary objectives of the program. Core sites were located on the basis of previous seismic profiling data obtained from the study area, and were planned so as to identify the sediment types present at points of interest in the study area. Secondary objective was the acquisition of high-resolution single channel seismic data from shallow waters around Chandeleur Islands.

Positioning was accomplished by a standard Loran C navigational system.

Days at sea: 12

Stations: 6 (see Table 1 and Fig. 1)

Cores collected: 30

Seismic data: Approximately 400 km of High-resolution single channel profiles were collected with the O.R.E. Geopulse seismic system