Bailey
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Cruise Report
R/V James M. GILLISS, GS 7903-2
June 1-7, 1979
Robert N. Oldale, Chief Scientist

Diane Eskenasy, Cruise Curator

R/V James M. GILLISS GS 7903-2 Leg 2

Massachusetts Cooperative and U.S. Geological Survey

Area of Operation: Western Gulf of Maine

Depart Woods Hole Ø93Ø E.D.T. 1 June, 1979
Arrive Provincetown Harbor 11ØØ E.D.T. 7 June, 1979

Chief Scientist, Robert N. Oldale Captain, Robert Hagen, Jr.
Scientific Party: all from U.S. Geological Survey, Woods Hole, unless otherwise noted.

Wallace Bothner	University of New Hampshire and USGS Denver
David Egelson	
Diane Eskenasy, cruise curater	
Kim Klitgord	
Charles O'Hara	
Matthew Oldale	Guest Scientist, Ball State University
Gretchen Rich	Guest Scientist, University of New Hampshire
Robert Simpson	USGS Denver

Navigation:

Robert Bowles
James Dodd
Valerie Paskevich

Technical staff:

Al Goodman
Barry Irwin
John Larson
Dave Mason

Purpose of Cruise: To investigate the structure and origin of Stellwagen Bank and Stellwagen Basin, locate the offshore extensions of the Clinton-Newbury and Bloody Bluff faults, and to connect known Cretaceous and Jurassic seismic stratigraphy south of the New England seamounts with that north of the seamounts.

Navigation Systems:

Integrated Navigation System (INS)
Northstar 6000 Loran C

Scientific Equipment:

Airgun (40 cu. in.)
Uniboom
3.5 kHz
Magnetometer
Gravimeter

6½ days at sea
1260 km. (680 nautical miles) continuous profiling with airgun, uniboom, 3.5 kHz, gravimeter, and magnetometer

Track chart attached.

Cruise Report by Diane Eskenasy.

R/V Gilliss, GS 7903-2
R.N. Oldale, Chief Scientist
June 1- June 7, 1979
Uniboom, Airgun, 3.5 kHz
Magnetometer, Gravimeter
WESTERN GULF OF MAINE
approx. 680 nautical miles
covered by tracklines

0 10 20 30
Nautical miles