AUG 10 1987

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

87028

In Reply Refer To:
Mail Stop 914

August 6, 1987

Memorandum

To: See Below

From: Ron Circé Ron

Subject: Post Cruise Report

Vessel: R/V DISCOVERY (MGS)
Cruise No: DISCO 87-2
Survey Area: Offshore Ocean City, MD south to Virginia line.
Dates: 22 July - 1 August 1987
Personnel: Ron Circé, Co-Chief Scientist, USGS
Maggie Toscano, Co-Chief Scientist, MGS
Randy Kerhin, Co-Chief Scientist, MGS
Dave Nichols, Marine Seismic Specialist, USGS
Ilsa Patton, Physical Science Aide, USGS
Gerry Cox, Captain, MGS
Rick Younger, Coxswain, MGS
Bob Rowland, Geologist, USGS
Pernomo Kridoharto visiting scientist from Indonesia
Bam Bang Dwiyanto visiting scientist from Indonesia

Purpose of Cruise: The purpose of the cruise was to continue collecting hi-resolution seismic data tht was begun in 1985. The objectives of this project are to determine the sedimentary framework and Quaternary history of the Delmarva coast.

Navigation: LORAN-C was used via a Megapulse receiver interfaced with an IBM-PC for aquisition, storage and printout of Lat/Long and TD data.

Equipment: ORE Geopulse Boomer system
Data sonics 3.5 kHz system
HP 8-track analog data recorder
Benthos 10 element hydrophone

Tabulated Information: 9 days at sea; 1 weather day; 8 days of surveying; 1 day of coring.

Data Collected: 253 n line miles (468.5 km) of hi-resolution; (3.5 and Geopulse) seismic data; 7 gravity cores.

cc:

J. Williams	N. Soderburg	D. Nichols	I. Patton
B. Halley	G. Sexton	R. Kerhin	G. Cox
T. O'Brien	D. Folger	M. Toscano	R. Younger
			B. Rowland