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United States Department of the Interior

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GEOLOGICAL SURVEY
P. O. Box 5917
San Juan, Puerto Rico

CRUISE REPORT PUERTO RICO MARINE GEOLOGY PROJECT

Cruise Report 85-3

Dates: 20 September - 2 October 1985

Vessel: Research Vessel Jean A

Parent Project: Caribbean Project 03556

Funding Agency: U.S. Geological Survey & Direccion General de Minería.

Funding Amount: 21,000 Lease of R/V Jean A.

Area of Operations: La Romana to Isla Saona, southeastern Dominican Republic.

Cruise Schedule: Start September 20 in San Juan and ends October 2/85 in San Juan.

Ports of Entry: La Romana, Dominican Republic.

Chief Scientist: N. Terence Edgar and Rafael W. Rodriguez

Cruise Data Curator: USGS office in San Juan and DGM in Santo Domingo.

Scientific Party:	N. Terence Edgar	USGS
	Rafael W. Rodriguez	USGS
	Jose Muniz	DNR
	Nelson Espinell	DNR
	Juan Trias	USGS
	Ivan Tavarez	DGM
	Elsa Hernandez	DGM
	Rudy Gaube	DGM

Crew: Luis H. Mendoza - Captain
Gaspar Perez - Chief Engineer

Purpose of Cruise: Evaluate a sand deposit off Isla Saona as a potential economic resource of the Dominican Republic.

Cruise Report 85-3 (continuation)

Navigation Techniques: Radar

Scientific Equipment: a) Seismic - micro sparker from USGS Woods Hole.
b) Sampling: Vibracorer from USGS San Juan,
Diving gear - USGS San Juan

Tabulated Information: a) Number of days at sea 12
b) Number of stations occupied
1. surface sediment samples (or stations): 15
2. Vibracore: 6
3. Beach samples: 10

Comments:

This was the third cruise to the Dominican Republic as part of a five-year agreement between the USGS and DGM. This years cruise, at the request of DGM, examined a sand body extending about 2km northwest of Isla Saona. The sand body could eventually be exploited to be used as aggregate in the construction industry. The overall sedimentary environments and the geologic characteristic of the shoal were evaluated.

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