



United States Department of the Interior

GEOLOGICAL SURVEY

San Juan, Puerto Rico

3 March 1982

CRUISE REPORT: 82-1

Prepared By: Juan Luis Trias, Geologist

Location: The Escollo de Arenas, a sand body at the northwest corner of Vieques Island, Puerto Rico

Dates: 27 January - 29 January 1982

Objectives:

1. Sampling of sand deposit based on seismic data from cruise 81-11
2. Supplementary bathymetry of the sand deposit to supplement work of 81-11
3. Map edge of Thalassia grass around the sand body

Vessel: Research Vessel Jean A

Personnel: James V.A. Trumbull, U.S.G.S., Chief Scientist
Juan Luis Trias, U.S.G.S., scientist
Nelson Espinell, P.R.D.N.R., Field technician
Julio Ortiz, P.R.D.N.R., Utility-man

Equipment: Shipek sampler, Miniranger and two transponders for navigation, ship's echo-sounder, zodiac for logistic operations, vehicle on Vieques Island for miniranger support, VHF radios.

Cruise Schedule:	Day	Time	Place
	Jan. 27	0645 - 1430	San Juan - Vieques
	28	0630 - 1700	Vieques
	29	0645 - 1900	Vieques - Humacao - Aguirre

Results & Comments:

1. Making bathymetry lines with 100-m line spacing, total 15 line-km.
2. Fifty-three sediment samples were collected (UPR 173-216)
3. Total of 2 boat days
Total number man-days at sea U.S.G.S. = 4 days
Other = 4 days
4. Unable map edge of Thalassia due to sea state and cloud cover.

Received 3/11/82
Coded 3/11
Roscap -
5/24/82
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