

D. Folger

CRUISE REPORT

79001

Ship name: R/V Jean A

Cruise No.: 79-2

Parent Project: Puerto Rico Marine Geology Co-op

Area of Operations: Following areas of Puerto Rican shelf:

- Luquillo
- Escollo de Arenas
- Cabo Rojo
- Mayaguez
- Aguadilla-Isabela

Dates: 5 - 14 February 1979

Science Party: Jim Trumbull (Chief Scientist)

- Kurt Grove
- Nelson Espinell, P.R. Dept. of Natural Resources
- José Muñiz, P.R. Dept. of Natural Resources
- Al Goodman, Woods Hole

Purpose and accomplishments of cruise:

1. Luquillo area: 448 km of 12 KHz echo-sounding on upper slope to map canyons. 42 Km of Uniboom lines to determine suitability of method and map potential sand deposit. Results excellent.
2. Escollo de Arenas: Two bulk sand samples (BS-1 and 2), 10 Km Uniboom lines, same purpose as above.
3. Cabo Rojo area: Four bulk sand samples (BS-3 thru 6), 48 surficial samples in potential sand deposit area (QPR 401 thru 448), 44 Km of Uniboom lines, to evaluate both the method and the sand deposit. Results superb.
4. Mayaguez area: 42 Km of 12 KHz echo-sounding needed to complete bathymetry of Mayaguez-Boqueron area.
5. Aguadilla - Isabela area: 60 Km of Uniboom lines to determine shallow structure of area being geologically mapped, 18 surface samples on two profiles off Isabela needed to supplement previous coverage (IPR 41-58).