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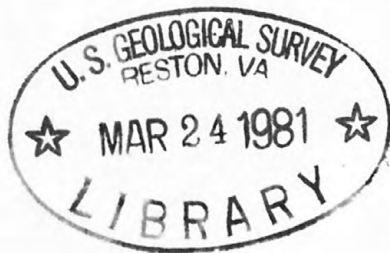
Single-channel seismic-reflection profiles and sidescan-sonar
records collected on Georges Bank
David C. Twichell

Subbottom seismic-reflection, echo-sounding, and sidescan-sonar records were collected by the U.S. Geological Survey during two cruises over Georges Bank aboard the R/V OCEANUS (cruise 056, March 6-15, 1979 and cruise 067, August 6-13, 1979) (fig. 1). The data collected during these two cruises contributed to a study of bed-form types and distribution and of sediment transport paths on Georges Bank.

The equipment used on these cruises consisted of an EG&G Uniboom¹, 12-kHz echo-sounder, and Klein sidescan-sonar system. The Uniboom data were collected on the OCEANUS 067 cruise along 185 km of trackline (fig. 1), and the 12-kHz echo-sounder and sidescan-sonar data were collected during both cruises along 465 km of trackline.

Navigation during both cruises consisted of Loran-C fixes logged at least every 15 minutes. After the cruise, the navigation data were digitized and stored on magnetic tape.

The original records can be studied at the U.S. Geological Survey Data Library at Woods Hole, MA 02543. Microfilm copies of the subbottom, echo-sounding, and sidescan-sonar records can be purchased only from the National Geophysical and Solar-Terrestrial Data Center, NOAA/EDIS/NGSDC, Code D621, 325 Broadway, Boulder, CO 80303 (303-497-6338).



¹Use of trade names in this report is for purposes of identification only and does not represent endorsement by the U.S. Geological Survey.

This report is preliminary and has not
been reviewed for conformity with U.S.
Geological Survey editorial standards.

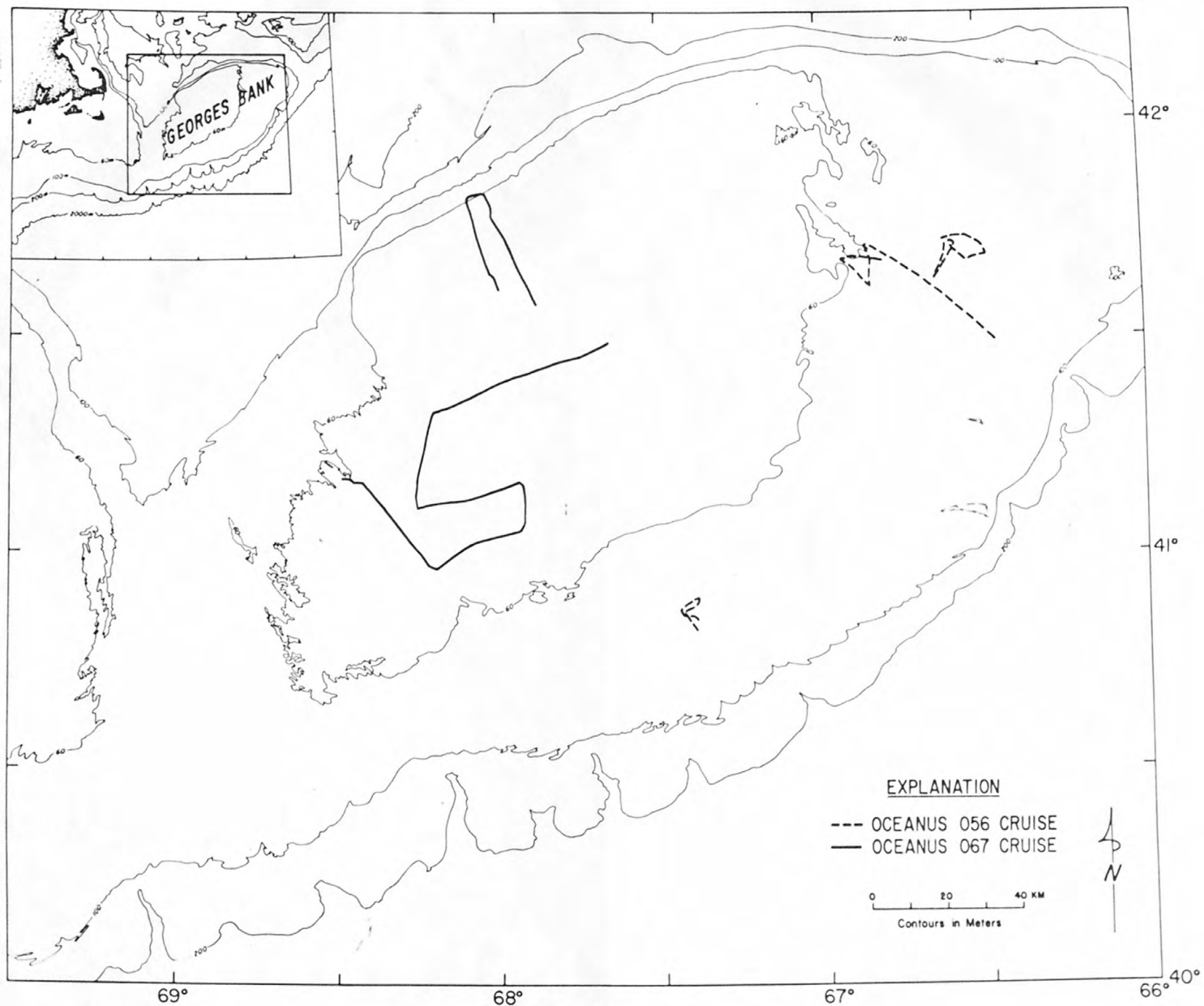


Figure 1. Tracklines along which Uniboom, echo-sounding, and sidescan-sonar records were collected.

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