

Figure 3.—Trackline locations of deep-penetration, 24- to 48-channel common-depth-point (CDP) seismic-reflection data acquired by the USGS during 1973-1979.

**EXPLANATION**

- Outer Continental Shelf blocks leased in Lease Sales 40 and 49
- 24-28 79-221 trackline numbers

Bathymetry is in meters

Copies of these data are available for purchase from the National Geophysical and Solar-Terrestrial Data Center (NGSDC), Boulder, Colo. 80503

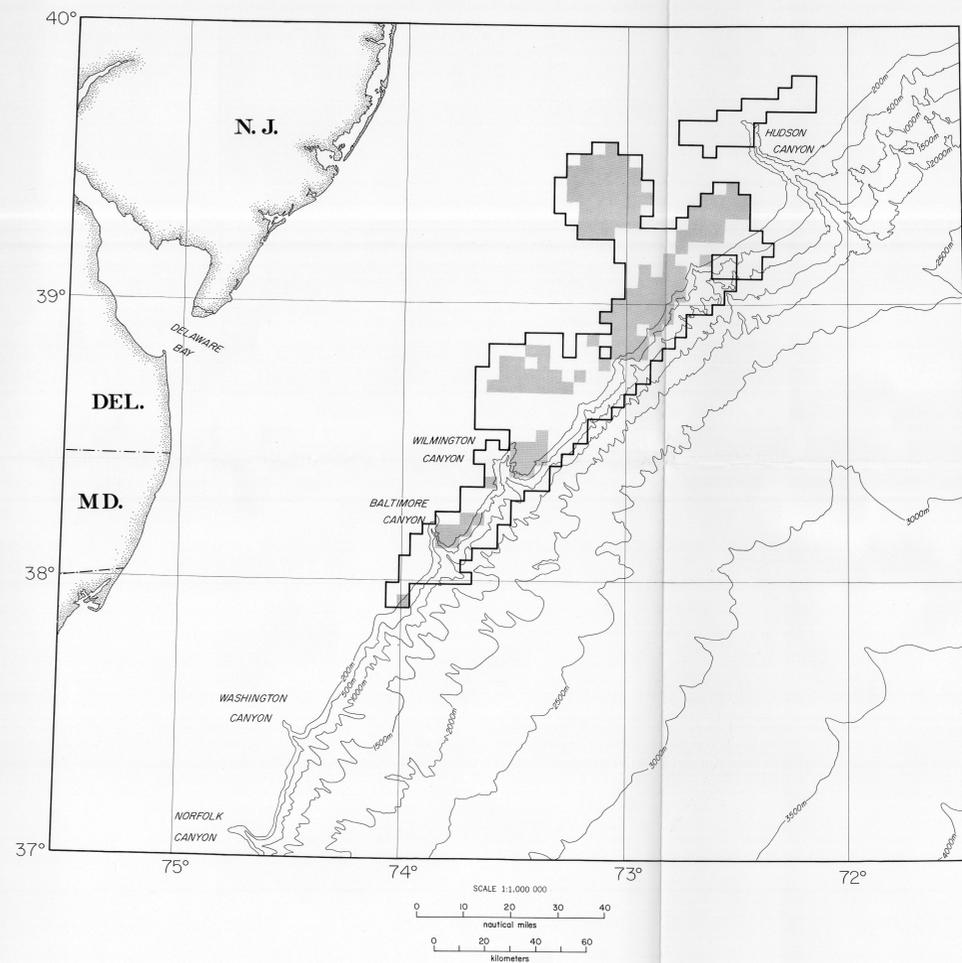


Figure 4.—Areas of collection of high-resolution data by the USGS for investigation of potential geologic hazards for Lease Sales 40 and 49.

**EXPLANATION**

- Outer Continental Shelf blocks leased in Lease Sales 40 and 49
- Boundary of areas of data collection. Data collected include high-resolution seismic-reflection profiles from deep-towed subbottom profiler and multi-channel sparker, and information from fathometer and side-scan sonar, all at 0.5-mile trackline spacing

Bathymetry is in meters

**REFERENCES**

Carpenter, G. B., and Roberts, J. W., 1979, Potential geologic hazards and constraints for blocks in Mid-Atlantic OCS oil and gas Lease Sale 40: U.S. Geological Survey Open-File Report 79-167, 194 p.

Hall, R. W., and Ensminger, H. R., eds., 1979, Potential geologic hazards and constraints for blocks in proposed Mid-Atlantic OCS oil and gas Lease Sale 49: U.S. Geological Survey Open-File Report 79-264, 176 p.

Copies of data gathered for the above reports are available for purchase from the National Geophysical and Solar-Terrestrial Data Center (NGSDC), Boulder, Colo. 80503

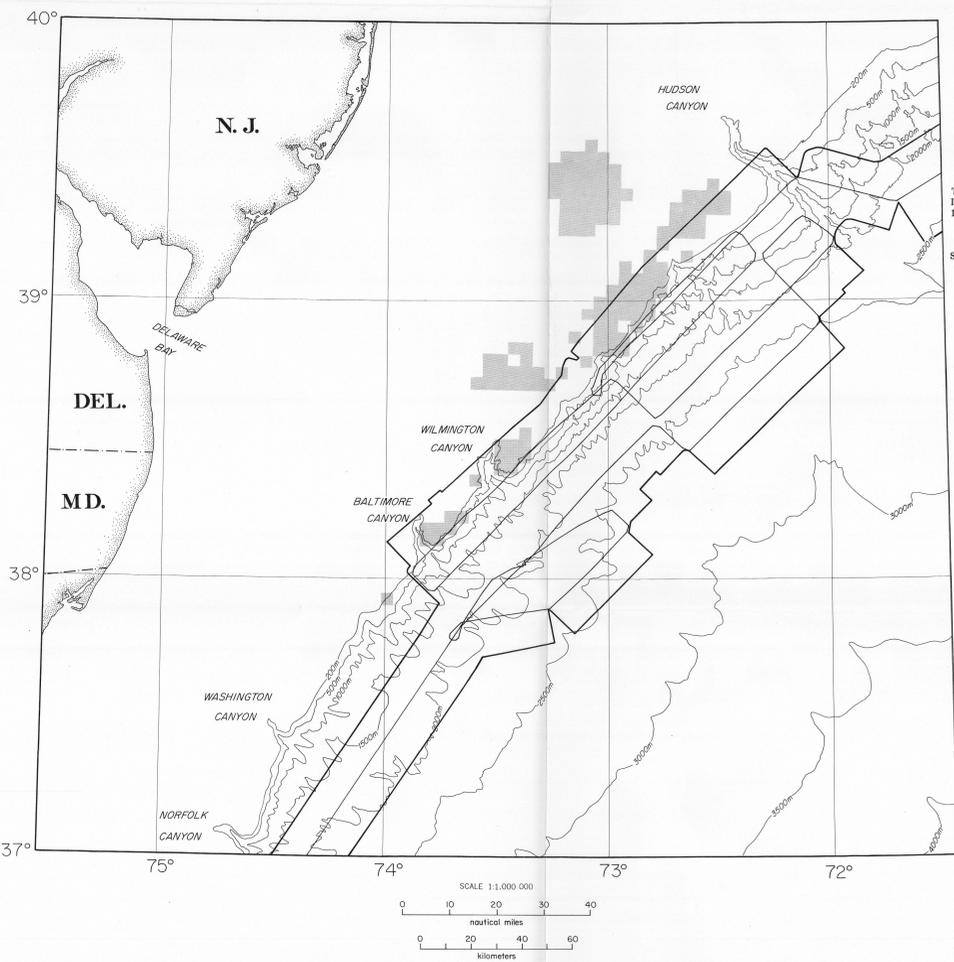


Figure 5.—Tracklines of the R.V. *Starella* and area of coverage of long-range side-scan sonar (GLORIA) data.

**EXPLANATION**

- Outer Continental Shelf blocks leased in Lease Sales 40 and 49
- Tracklines, R.V. *Starella* (October 1979)
- Boundary of area of long-range side-scan sonar (GLORIA) data coverage

Bathymetry is in meters

These data were acquired by the USGS in cooperation with the Institute of Oceanographic Sciences (United Kingdom), in October 1979.

**REFERENCE**

Somers, M. L., Carson, R. M., Revie, J. A., Edge, R. H., Barrow, B. J., and Andrews, A. G., 1978, GLORIA II—an improved long-range side-scan sonar: Proceedings IEE sub-conference on offshore instrumentation and communications, Oceanology International 1978 J, p. 16-24.

Universal Transverse Mercator projection  
Central meridian 75°

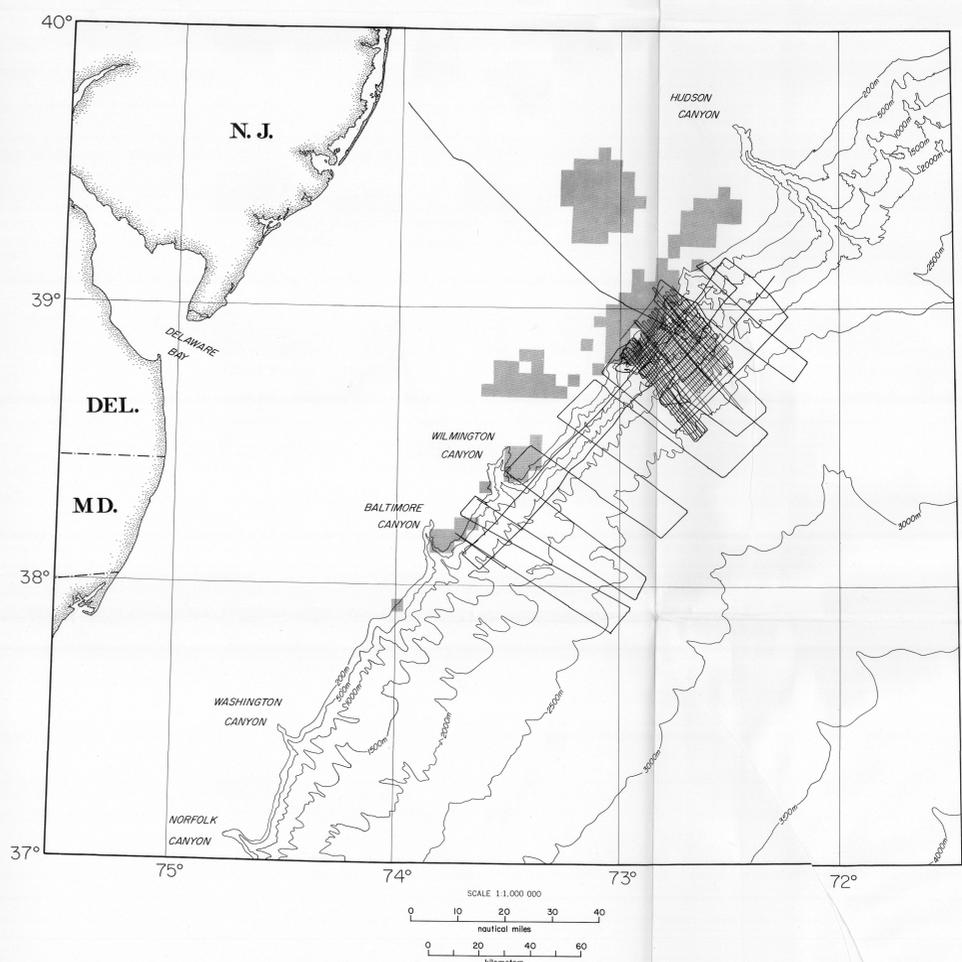


Figure 6.—Tracklines of the R.V. *Columbus Iselin* (cruise CI 7807-1) and the R.V. *James M. Gilliss* (cruise GS 7903-4). Refer to table under explanation on sheet 1 for listing of total line kilometers of different kinds of data collected on each cruise.

**EXPLANATION**

- Outer Continental Shelf blocks leased in Lease Sales 40 and 49
- R.V. *Columbus Iselin*, cruise CI 7807-1
- R.V. *James M. Gilliss*, cruise GS 7903-4

Bathymetry is in meters

MAPS SHOWING KINDS AND SOURCES OF ENVIRONMENTAL GEOLOGIC AND GEOPHYSICAL DATA COLLECTED BY THE U. S. GEOLOGICAL SURVEY IN THE BALTIMORE CANYON TROUGH AREA

By  
James M. Robb and John R. Kirby  
1980