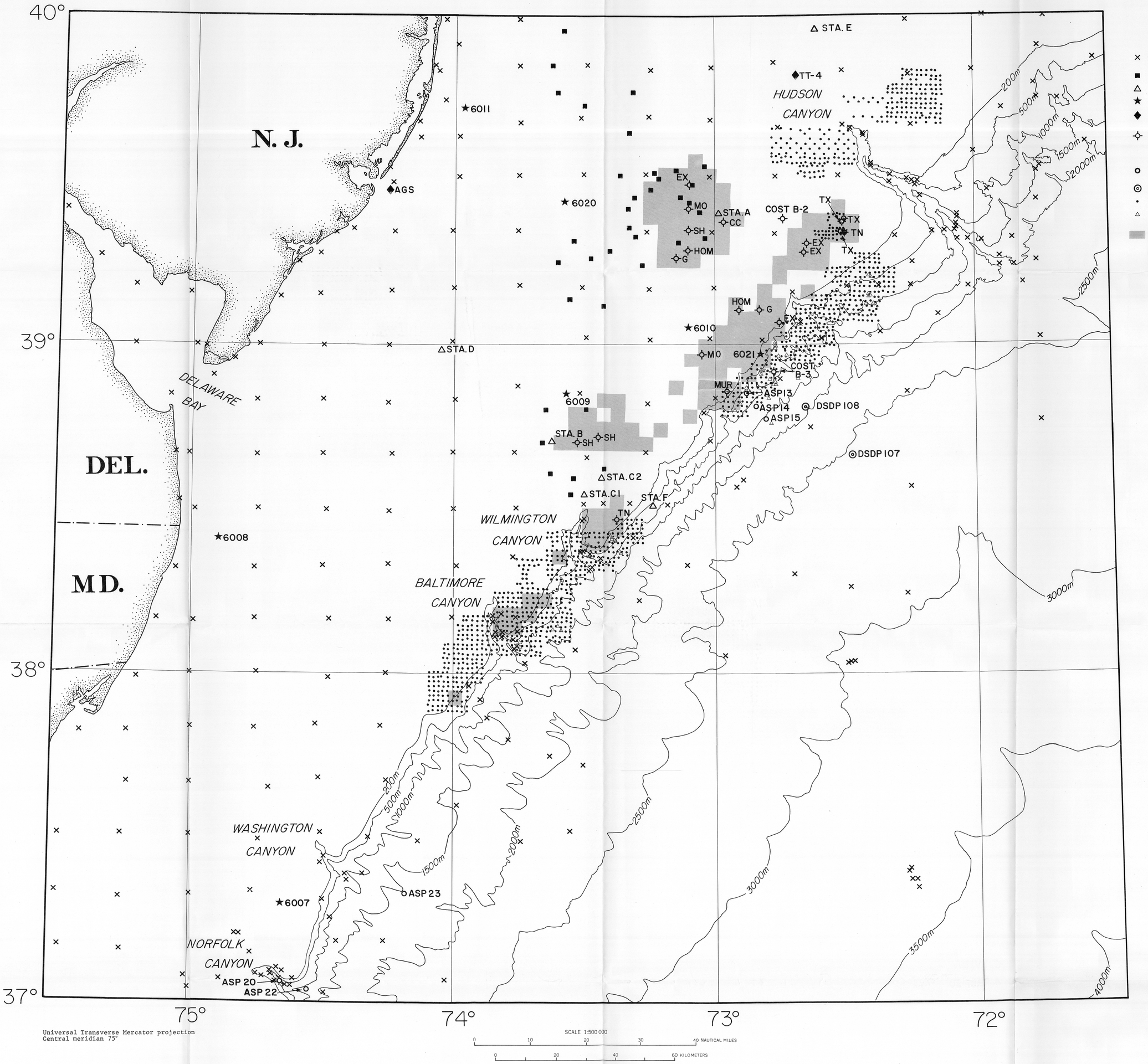
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE BUREAU OF LAND MANAGEMENT

MISCELLANEOUS FIELD STUDIES
MAP MF-1210
ROBB AND KIRBY-ENVIRONMENTAL GEOLOGIC AND GEOPHYSICAL DATA
KINDS AND SOURCES, BALTIMORE CANYON TROUGH AREA
SHEET 2 OF 4



Universal Transverse Mercator projection
Central meridian 75°

SCALE 1:500 000

0 10 20 30 40 NAUTICAL MILES

0 20 40 60 KILOMETERS

Figure 2.—Locations of geologic sampling, drilling, and monitoring sites in the Baltimore Canyon Trough area.

EXPLANATION

Map Symbol and Identification	Data Sources (Numbers are keyed to entries listed under References below)
× Grab samples, USGS-WHOI (Woods Hole Oceanographic Institution) Continental Margin Program, 1962-1971	(1)
■ USGS vibracore sites, 1975-1977	(2,3,4,5)
△ USGS bottom sediment monitoring tripod sites, 1976-1978	(6)
★ Atlantic Margin Coring Project (AMCOR) sites, 1976	(7)
◆ Texas Tower (TT) and Atlantic Generating Station (AGS) boring sites	(8,9)
✧ Industry wells and Continental Offshore Stratigraphic Testing (COST) wells. Company abbreviations: C, Conoco and others; EX, Exxon; G, Gulf; HOM, Hess Oil and Minerals; MO, Mobil; MUR, Murphy and others; SH, Shell; TN, Tenneco; TX, Texaco	(10,11)
○ Atlantic Slope Project (ASP) sites (drilled by M. V. *Caldrill I*, 1967)	(12,13)
◎ Deep Sea Drilling Project (DSDP) sites	(14)
• USGS gravity core sites, 1978	(15)
△ USGS piston core sites, 1979	(16)
Outer Continental Shelf blocks leased in Lease Sales 40 and 49	

BATHYMETRY IS IN METERS

REFERENCES

1. Hathaway, J. C., ed., 1971, Data file, Continental Margin Program, Atlantic coast of the United States (v. 2), Sample collection and analytical data: Woods Hole Oceanographic Institution, reference no. 71-15, unpublished manuscript. Available from National Technical Information Service (NTIS) as document PB 259962/AS. The data are available in digital form from the National Geophysical and Solar-Terrestrial Data Center (NGSDC), Boulder, Colo. 80303.
2. Knebel, H. J., and Spiker, E. C., 1977, Thickness and age of surficial sand sheet, Baltimore Canyon Trough area: American Association of Petroleum Geologists Bulletin, v. 61, p. 861-81.
3. Knebel, H. J., Woods, S. A., and Spiker, E. C., 1979, Hudson River: Evidence for extensive migration on the exposed continental shelf during Pleistocene time: Geology, v. 7, p. 254-28.
4. Sangrey, D. A., and Knebel, H. J., 1978, Geotechnical engineering studies of the Baltimore Canyon Trough area, *in* Geologic studies of the Middle Atlantic Outer Continental Shelf: U.S. Geological Survey Final Report, 1 October 1976-30 September 1977, prepared for the Bureau of Land Management, p. 7-1 through 7-26.
5. La Gatta, D. P., Dalenberg, K., Knebel, H. J., and Sangrey, D. A., 1978, Report on laboratory testing of shallow sediments, Middle Atlantic Outer Continental Shelf: U.S. Geological Survey Open-File Report 78-578, 249 p.
6. Butman, Bradford, 1979, written commun., U.S. Geological Survey work in progress.
7. Hathaway, J. C., and others, 1976, Preliminary summary of the 1976 Atlantic Margin Coring Project of the U.S. Geological Survey: U.S. Geological Survey Open-File Report 76-844, 218 p.
8. Bureau of Yards and Docks, Department of the Navy, 1954, Feasibility report on Texas Towers.
9. Emery, K. O., and Uchupi, Elazar, 1972, Western North Atlantic Ocean: American Association of Petroleum Geologists Memoir 17, p. 88, 93.
10. Scholle, P. A., ed., 1977, Geological studies on the COST No. B-2 well, U.S. Mid-Atlantic Outer Continental Shelf area: U.S. Geological Survey Circular 750, 71 p.
11. Amato, R. V., and Simonis, E. K., eds., 1979, Geological and operational summary, COST No. B-3 well, Baltimore Canyon Trough area, Mid-Atlantic OCS: U.S. Geological Survey Open-File Report 79-1159, 118 p., 5 plates.
12. Weed, E. G. A., Minard, J. P., Perry, W. J., Jr., Rhodehamel, E. C., and Robbins, E. I., 1974, Generalized pre-Pleistocene geologic map of the northern United States Atlantic continental margin: U.S. Geological Survey Miscellaneous Investigations Map I-861, scale 1:1,000,000.
13. Poag, C. W., 1978, Stratigraphy of the Atlantic Continental Shelf and Slope of the United States: Annual Review, Earth and Planetary Sciences, v. 6, p. 251-280.
14. Hollister, C. D., Ewing, J. I., and others, 1972, Shipboard report, site 107—Upper Continental Rise: Initial Reports of the Deep Sea Drilling Project, v. XI, p. 351-364.
15. Ocean Seismic Survey, Inc., 1978, Final report to U.S. Geological Survey; collection of sediment and water samples: Hudson Canyon - Area I; Continental Slope off Delaware Bay - Area II; Wilmington-Baltimore Canyons - Area III. Available as Data Set AT 16293 from the National Geophysical and Solar-Terrestrial Data Center (NGSDC), Boulder, Colo. 80303.
16. Research Vessel *Endeavor*, Cruise 042 (August-September 1979): U.S. Geological Survey, unpublished data.

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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1980