U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

OPEN FILE REPORT 2004-1441
(Sheet 1 of 2)

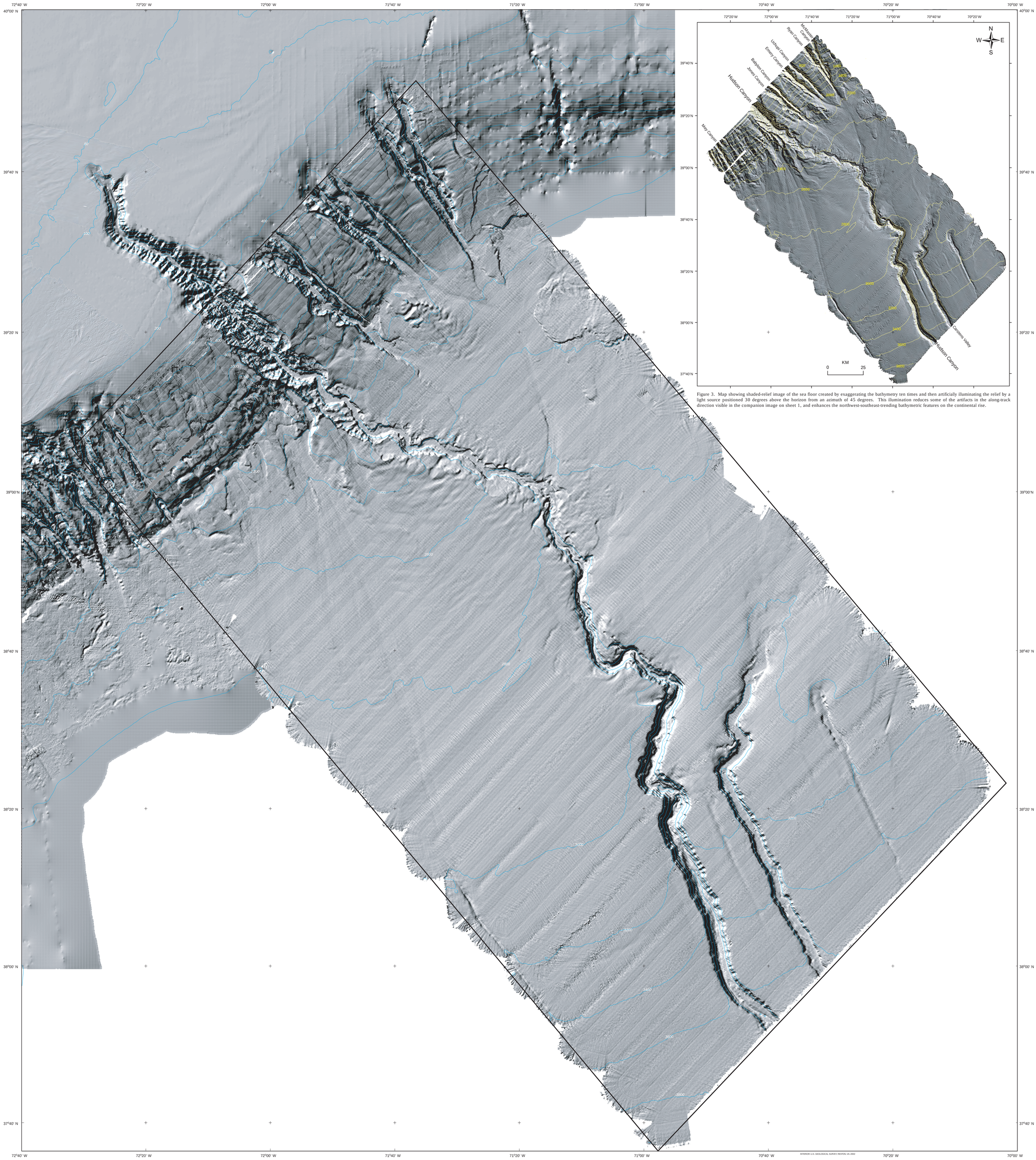

Figure 3. Map showing shaded-relief image of the sea floor created by exaggerating the bathymetry ten times and then artificially illuminating the relief by a light source positioned 30 degrees above the horizon from an azimuth of 45 degrees. This illumination reduces some of the artifacts in the along-track direction visible in the companion image on sheet 1, and enhances the northwest-southeast-trending bathymetric features on the continental rise.

Mercator projection

World Geodetic System 1984
Longitude of central meridian 75° W; latitude of true scale 40° N.
False easting 0 m; false northing 0 m.

This map is not intended for navigational purposes.

SCALE 1:300,000
ONE CENTIMETER ON THE MAP REPRESENTS 3000 METERS ON THE SEA FLOOR

20 10 0 20 40 KILOMETERS
20 10 0 20 NAUTICAL MILES

TOPOGRAHIC CONTOURS IN METERS; INTERVAL VARIES
DATUM MEAN LOWER LOW WATER

INTERIOR-U.S. GEOLOGICAL SURVEY, RESTON, VA–2002

Sheet 1.—Sea floor topography in shaded relief view, with sea floor depth as topographic contours.

SEA FLOOR TOPOGRAPHY AND BACKSCATTER INTENSITY OF THE HUDSON CANYON REGION OFFSHORE OF NEW YORK AND NEW JERSEY

by

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From:

Butman, Bradford, Twichell, D.C., Rona, P.A., Tucholke, B.E., Middleton, T.J., and Robb, J.M., 2006, Sea floor topography and backscatter intensity of the Hudson Canyon region offshore of New York and New Jersey. U.S. Geological Survey Open-File Report 2004-1441, CD-ROM.

Online at: <http://pubs.usgs.gov/of/2004/1441/index.html>