



ARCTIC AND NORTH ATLANTIC OCEANS AND ADJACENT LAND AREAS

BATHYMETRY AND TOPOGRAPHY

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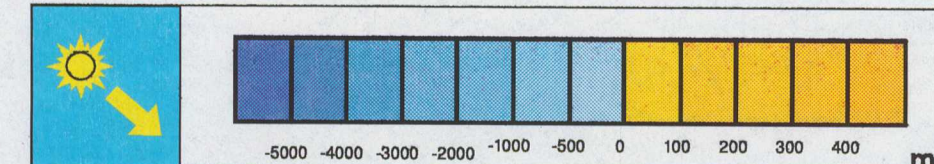
April 1996

This map portrays regional seafloor and continental morphology as an aid for localizing features on a companion magnetic map prepared by Jacob Verhoef, Ron Macnab, Walter Roest, and members of a compilation team based mainly at the Geological Survey of Canada, Dartmouth NS, Canada. The depth and elevation information shown here were derived from two sources: depth contours were extracted from the GEBCO Digital Atlas (Jones, et al., 1994) and used to produce a 5 km grid; elevation values were regrided to 5 km from the 5 minute ETOPO5 grid (Loughridge, 1986). For every grid point, the intensity of the gray-tone shading was derived as a function of the cosine of the angle between surface gradient and sun direction. Polygons were defined to enclose significant land areas with permanent ice cover: these were plotted in white irrespective of elevation, with the same gray-tone shading as in the rest of the map. The combined relief grid was overprinted with a coastline from the World Data Bank II (WDBII).

REFERENCES

Jones, M.T., A.R. Tabor, and P. Weatherall. GEBCO Digital Atlas: CD-ROM and Supporting Volume. British Oceanographic Data Centre, Birkenhead, UK, 1994.
Loughridge, M.S. Relief map of the earth's surface: EOS (Transactions, American Geophysical Union) v. 67, p. 121, 1986.

Geological Survey of Canada
Open File 3282b



Transverse Mercator Projection
Scale 1:10 000 000

