

DESCRIPTIVE NOTES

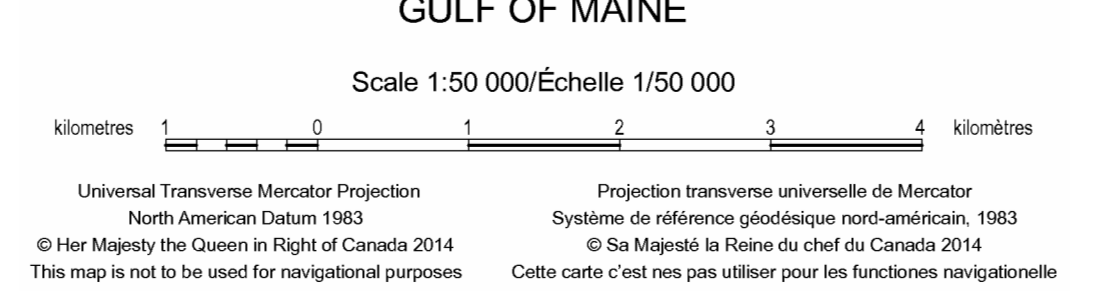
INTRODUCTION
Georges Bank is a large submarine bank in the Gulf of Maine near the edge of the continental shelf south of Nova Scotia and east of Cape Cod, U.S. The bank measures 200 km long by 100 km wide. The international boundary between Canada and the United States follows the bank with the northwestern end of the bank being Canadian territory.

BACKSCATTER FREQUENCY
Details of the multibeam sonar data collection are given by Todd et al. (2013). Backscatter strength ranging from 0 to 120 decibels (dB) were binned semi-logarithmically with the bathymetric data. To reduce the dynamic range of the backscatter data, a logarithmic scale was applied to the backscatter strength (BS) for the purpose of visualization. The backscatter strength (BS) is defined as the ratio of the backscatter strength to the incident power.

ACKNOWLEDGMENTS
A. Todd of the Canadian Hydrographic Service (CHS) organized the multibeam bathymetric survey of the mouth of Fundy Channel (Northwest Channel), M. Lough and G. Corbett (CHS) organized the multibeam bathymetric survey of the Browns Bank and Northeast Channel. The Canadian Hydrographic Service (CHS) provided the multibeam bathymetric data. The backscatter data were collected by the Canadian Hydrographic Service (CHS) using the Seabat 8000 multibeam echosounder system. The backscatter data were processed by the Canadian Hydrographic Service (CHS) using the Seabat 8000 software. The backscatter data were processed by the Canadian Hydrographic Service (CHS) using the Seabat 8000 software. The backscatter data were processed by the Canadian Hydrographic Service (CHS) using the Seabat 8000 software.

REFERENCES
Barnes, S. 1967. Physical oceanography of Georges Bank, p. 141-151. In: S. P. McIvor, Cambridge, Massachusetts Institute of Technology Press, 141-151.
Barnes, S. 1967. Physical oceanography of Georges Bank, p. 151-161. In: S. P. McIvor, Cambridge, Massachusetts Institute of Technology Press, 151-161.

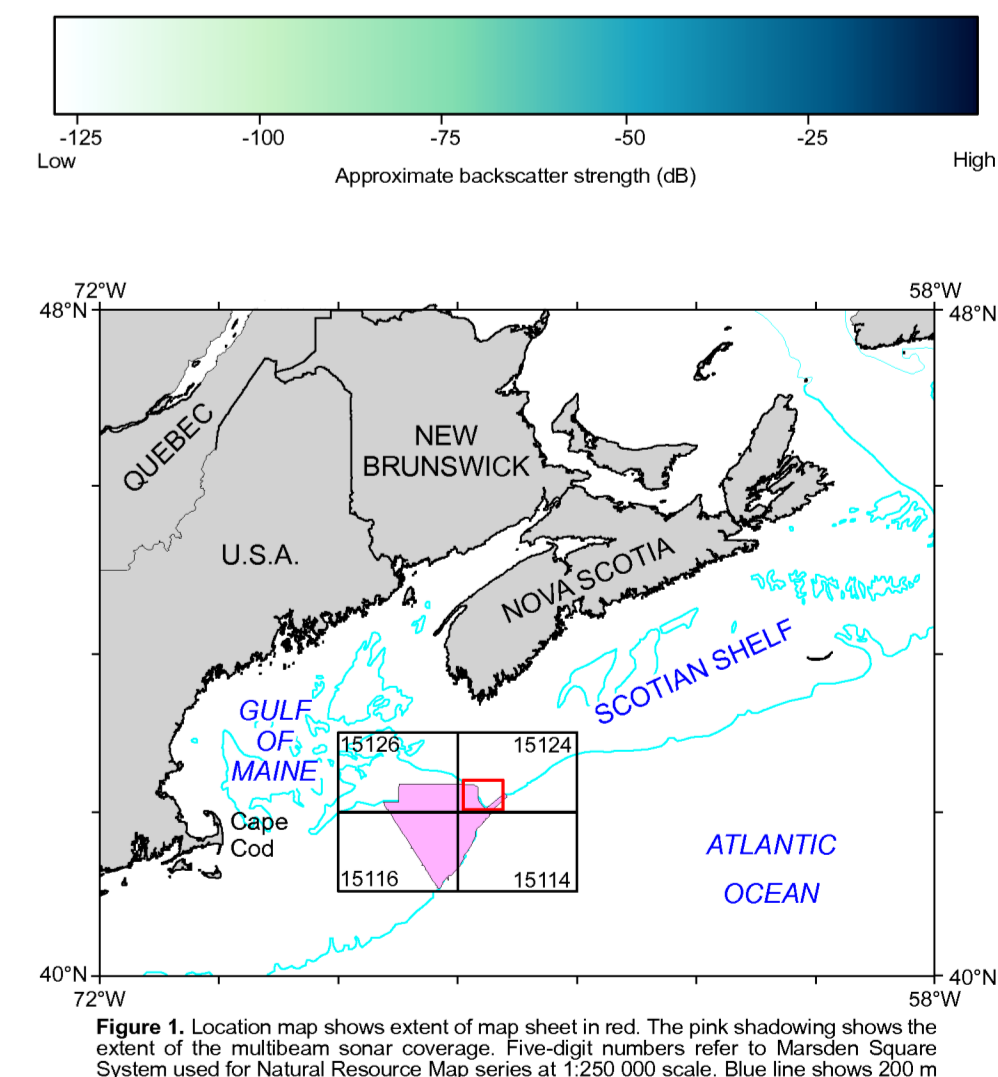
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BACKSCATTER STRENGTH AND SHADED SEAFLOOR RELIEF
GEORGES BANK, FUNDY CHANNEL, AND NORTHEAST CHANNEL; SHEET 3
GULF OF MAINE



Any revisions or additional bathymetric information known to the user would be welcomed by the Geological Survey of Canada.
Digital bathymetric contours in metres supplied by Geological Survey of Canada.
Magnetic declination 2014, 10°24' W, decreasing 6.1' annually.
Some geographical names subject to revision.
Depth in metres below mean sea level.



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This map was produced by Natural Resources Canada in co-operation with Fisheries and Oceans Canada.
Multibeam bathymetric data collected by Canadian Hydrographic Service, 1997, 1998, 2000, 2002, 2003.
Multibeam backscatter data compiled by Geological Survey of Canada, 2004.
Cartography by P. O'Riagan, Data Dissemination Division (DDO) and Scott Hayward GSC (AWR/SC).



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