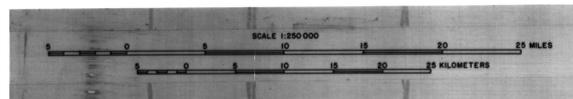


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BOUGUER GRAVITY MAP OF THE PRESQUE ISLE 1° X 2° QUADRANGLE AND PARTS OF ADJACENT QUADRANGLES, MAINE, NEW BRUNSWICK, AND QUEBEC

BY
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DATA SOURCES
Department of Defense gravity data from: Environmental Data Services, NOAA, Boulder, CO.
Canadian gravity data from: National Gravity Data Base; Energy, Mines, and Resources; Earth Physics Branch, Gravity and Geodynamics Division, Ottawa, Canada.

This map is preliminary and has not been edited or reviewed for conformity to Geological Survey standards.

EXPLANATION
Contours of Bouguer anomaly values drawn by computer from a 2 km by 2 km gridded representation of the data.
Contour interval is 2 milligals. Barbours are used to indicate gravity lows. Small squares mark the locations of individual stations. (T.M. projection.)

Anomalies were calculated relative to the 1967 Geodetic Reference System formula for theoretical gravity (International Association of Geodesy, 1971), and base values were adjusted to conform to the International Gravity Standardization Net of 1971 (Morelli, 1975). Terrain corrections have been calculated from 0.095 km to 166.7 km using a modification of the terrain correction program of Plouffe (1977). So terrain corrections have been applied for the zones closer than 0.095 km, but in most cases errors resulting from this omission are substantially less than 1.0 mgal.

REFERENCES CITED
International Association of Geodesy, 1971, Geodetic Reference System 1967, International Association of Geodesy Special Publication, no. 1, 116 p.
Morelli, F., (ed.), 1975, The International Gravity Standardization Net 1971, International Association of Geodesy, Special Publication, no. 3, 19 p.
Plouffe, J., 1977, Preliminary documentation for a FORTRAN program to compute gravity terrain corrections based on topographic digitized on a geographic grid, U.S. Geological Survey Open-File Report 77-316, 55 p.