



The Bouguer gravity image is derived from gravity stations extracted from the National Gravity Data Base. Within the area outlined in black, approximately 500 additional gravity stations were collected in 1992 and 1993 to increase the geographic distribution spacing over the sub-Phanerozoic portion of the Flin Flon Belt. The 10 to 15 km typical of the regional data is approximately 4 km, and to provide detailed gravity profiles over structures of interest. Gravity measurements collected as part of the LITHOPROBE, Trans-Hudson Orogen Project were also utilized.

Bouguer corrections were applied using a standard rock density of 2.672 g/cm³. The data were then interpolated to a grid spacing of 250 m using a minimum curvature interpolation algorithm. Quantization of the grid data to produce a 20-color image was accomplished within ArcInfo/Grass using linear quantization of the data between manually selected minimum and maximum values. Completion of the map required the addition of the 1:250 000 scale 1/5 hydrographic vector data compiled using ArcInfo.

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**BOUGUER GRAVITY MAP OF THE PORTIONS OF THE
 FLIN FLON BELT AND HANSON LAKE BLOCK**
 MANITOBA-SASKATCHEWAN

Scale 1:250 000 - Echelle 1:250 000

Latitude Central Grid Projection
 Standard Parallel 51°15' and 51°30'
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Projection Conic coniform, Lambert
 Standard Parallel 51°15' and 51°30'
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Authors: H. John Brown, S.S. Loois, and H.D. Thomas
 On-site inspection and data verification: David Hillaby, Saskatchewan Division, Geological Survey of Canada
 Gravity grid generation: Warner MDA, Saskatchewan Division, Geological Survey of Canada
 Map Production and Data Coordinator: David Wilson, NATMAP Shared Margin Project
 Digital Cartography: Steve Hutton, Saskatchewan Information and Communications Division, Geological Survey of Canada

