

Gamma-ray Spectrometric Data

The airborne gamma-ray spectrometric survey of the Great Island and Seal River area, Manitoba, was completed by Sander Geophysics Limited. The survey was flown from September 15 to October 29, 2009, using a Cessna 208B Grand Caravan (CG-208B). The aircraft was equipped with a Gamma-ray spectrometer (GR-820) using a NaI(Tl) crystal. The spectrometer was calibrated using standard sources and the system was checked for stability throughout the survey. The flight path was recorded using a Global Positioning System (GPS). The survey was flown on a pre-determined flight surface to minimize differences in magnetic values at the intersections of control and traverse lines.

Gamma-ray Spectrometric Data

The gamma-ray spectrometric data were collected using a NaI(Tl) crystal spectrometer using four 102 x 102 x 406 mm NaI(Tl) crystals. The main detector array consisted of 16 detectors (4 rows by 4 columns) that were arranged in a 4 x 4 grid. The detector array was mounted on a 1.8 m x 1.8 m platform. The detector array was calibrated using standard sources and the system was checked for stability throughout the survey. The flight path was recorded using a Global Positioning System (GPS). The survey was flown on a pre-determined flight surface to minimize differences in magnetic values at the intersections of control and traverse lines.

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This airborne geophysical survey and the production of this map were funded by the Geo-Mapping for Energy and Minerals (GEM) Program of the Earth Sciences Sector, Natural Resources Canada.

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Natural Resources Canada / Ressources naturelles Canada

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GEOLOGICAL SERIES / SÉRIE DES CARTES GÉOPHYSIQUES
NTS 64-1/11 / SNRC 64-1/11

AIRBORNE GEOPHYSICAL SURVEY OF THE GREAT ISLAND AND SEAL RIVER AREA, MANITOBA
LEVÉ GÉOPHYSIQUE AÉROPORTÉ DE LA RÉGION DE GREAT ISLAND ET SEAL RIVER, MANITOBA

FIRST VERTICAL DERIVATIVE OF THE MAGNETIC FIELD
DÉRIVÉE PREMIÈRE VERTICALE DU CHAMP MAGNÉTIQUE

Scale 1 : 50 000 - Échelle 1 / 50 000

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L'acquisition, la compilation des données ainsi que la production des cartes furent effectuées par Sander Geophysics Limited, Ottawa, Ontario.

Digital versions of this map and the corresponding digital line data, gridded geophysical data and anomaly lists by individual survey areas may be downloaded, at no charge, from Natural Resources Canada's Geoscience Data Repository for Geophysical and Geochemical Data at <http://gdr.nrcan.gc.ca/geoportal/>. The map and digital data are also available, for fee, from the Geophysical Data Centre, Geological Survey of Canada, 615 Booth Street, Ottawa, Ontario, K1A 0E8, Telephone: (613) 995-5326, email: rdlog@geog.nrcan.gc.ca.

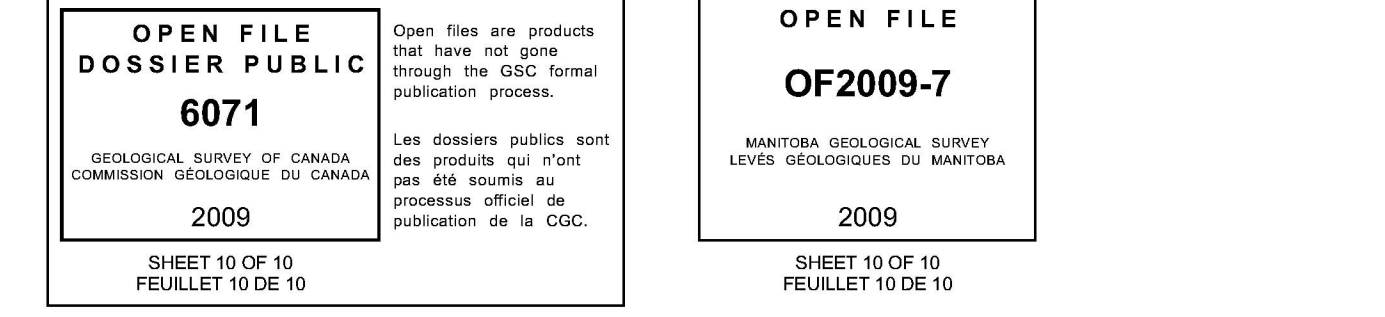
Les versions numérotées de ces cartes ainsi que les données géophysiques en format « profil » et « maille » et les listes d'anomalies peuvent être téléchargées gratuitement depuis le site de la Collection de données géophysiques et géochimiques de l'Entrepot de données géoscientifiques et Ressources naturelles Canada <http://gdr.nrcan.gc.ca/geoportal/>. La carte et les données numérotées sont aussi disponibles, moyennant des frais, au Centre de données géophysiques de la Commission géologique du Canada au 615, rue Booth, Ottawa (Ontario) K1A 0E8, Téléphone: (613) 995-5326, courriel: rdlog@geog.nrcan.gc.ca.

PLANIMETRIC SYMBOLS	SYMBOLS PLANIMÉTRIQUES
Topographic contour	Courbes de niveau
Drainage	Drainage
Wetland	Terrain Inondé
Building	Bâtiment
Road	Route
Trail	Chemin
Flight Line	Sentier
	Ligne de vol



GSC/MGS Sheet Feuille CGC/LGM	MAP / CARTE
1. Natural Air Absorbed Dose Rate Taux d'absorption naturelle des rayons gamma dans l'air	
2. Potassium	
3. Uranium	
4. Thorium	
5. Uranium / Thorium	
6. Uranium / Potassium	
7. Thorium / Potassium	
8. Ternary Radioelement Map Diagramme ternaire des radionucléides	
9. Residual Total Magnetic Field Composante résiduelle du champ magnétique total	
10. First Vertical Derivative of the Magnetic Field Dérivée première verticale du champ magnétique	

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Commission géologique du Canada, Dossier public 6071.
Levés géophysiques du Manitoba, Open File OF2009-7,
échelle 1:50 000.



Location Map - Carte de Localisation