

Gamma-ray spectrometric and magnetic airborne geophysical survey of the Source Peaks area, Northwest Territories. This survey was flown from August 21 to September 16, 2011 using an Eurocopter AS350B3 helicopter (C-GSDH). The normal traverse and control line spacing were, respectively, 500 m and 3000 m, and the aircraft flew at a nominal terrain clearance of 120 m and an air speed of 230 km/h. Transverse lines were oriented N303°E with orthogonal control lines. The flight path was defined by a ground positioning system (GPS) with a real-time kinematic (RTK) system. The survey was flown by a pilot with a target height above ground of 120 m. This mode of navigation was chosen to optimize the quality of the spectrometric data. Due to extreme relief, the use of a pre-determined flight surface would have resulted in terrain clearances comprising gamma-ray spectrometric data acquisition in some areas.

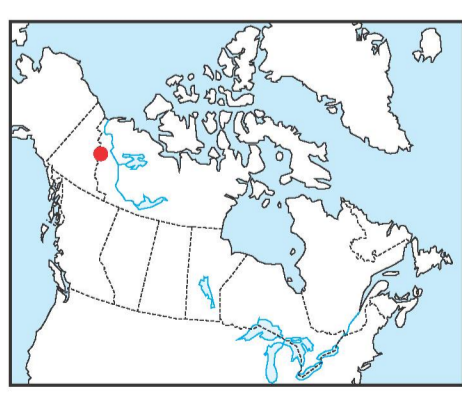
This radiometric and aeromagnetic survey and the production of this map were funded by the Northwest Territories Geoscience Office (NTGO) through the Strategic Investments in Northern Economic Development (SINED) program of the Canadian Northern Economic Development Agency (CanNor). Quality assurance and quality control were performed by the Geological Survey of Canada under the Geomapping for Energy and Minerals (GEM) Program of the Earth Sciences Sector, Natural Resources Canada.

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AIRBORNE GEOPHYSICAL SURVEY OF THE SOURCE PEAKS AREA, NORTHWEST TERRITORIES / LEVÉ GÉOPHYSIQUE AÉROPORTÉ DE LA RÉGION DES PICS SOURCE, TERRITOIRES DU NORD-OUEST

NTS 106-B BONNET PLUME LAKE, AND PARTS OF NTS 105-O, 105-P, AND 106-A / SNRC 106-B BONNET PLUME LAKE, ET SNRC PARTIES DE 105-O, 105-P ET 106-A

THORIUM / POTASSIUM



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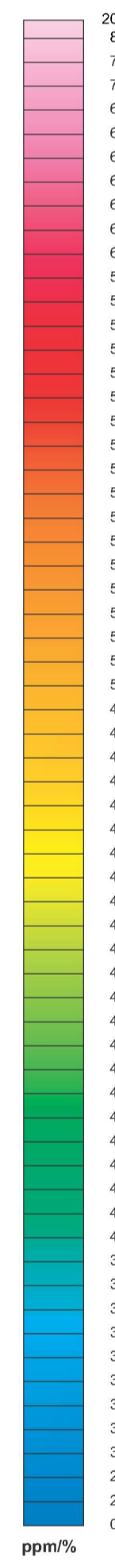
Data acquisition, compilation and map production by Sander Geophysics Limited, Ottawa, Ontario. Contract and project management by the Northwest Territories Geoscience Office, Yellowknife, Northwest Territories. Technical expertise by the Geological Survey of Canada, Ottawa, Ontario.

Auteurs: R. Fortin, M. Coyle, B. Fischer, J. Carson et R. Dumont

L'acquisition et la compilation des données, ainsi que la production des cartes, ont été effectuées par Sander Geophysics Limited, Ottawa (Ontario). La gestion et la supervision du projet ont été effectuées par le Bureau géoscientifique des Territoires du Nord-Ouest, Yellowknife (Territoires du Nord-Ouest). Expertise technique fournie par la Commission géologique du Canada, Ottawa (Ontario).

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MAP SHEET SUMMARY / SOMMAIRE DES FEUILLETS. Table with 10 rows listing map sheets and their contents: 1. Natural Air Absorbed Dose Rate, 2. Potassium, 3. Uranium, 4. Thorium, 5. Uranium / Thorium, 6. Uranium / Potassium, 7. Thorium / Potassium, 8. Ternary Radioelement Map, 9. Residual Total Magnetic Field, 10. First Vertical Derivative of the Magnetic Field.

THORIUM / POTASSIUM / AIRBORNE GEOPHYSICAL SURVEY OF THE SOURCE PEAKS AREA, NORTHWEST TERRITORIES / THORIUM / POTASSIUM / LEVÉ GÉOPHYSIQUE AÉROPORTÉ DE LA RÉGION DES PICS SOURCE, TERRITOIRES DU NORD-OUEST

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