

Funding for this project was provided through the Strategic Investments in Northern Economic Development (SINED) program of Indian and Northern Affairs Canada and the Geomapping for Energy and Minerals (GEM) Program of the Earth Sciences Sector, Natural Resources Canada.

Data from this survey will serve as part of the Yukon Geological Survey and the GSC's contribution to the Edges Project of the GEM Program.

Le projet est financé par le programme des investissements stratégiques dans le développement économique du Nord (SINED) d'Affaires indiennes et du Nord Canada et le programme Géomatographie de l'énergie et des minéraux (GEM) du Secteur des sciences de la Terre et des Ressources naturelles Canada.

Les données ainsi produites feront partie de la contribution apportée au projet Edges du programme GEM par la Commission géologique du Yukon et la CGC.

GSC OPEN FILE 6083 / DOSSIER PUBLIC 6083 DE LA CGC

YGS OPEN FILE 2009-3 / DOSSIER PUBLIC 2009-3 DE LA CGC

GEOPHYSICAL SERIES / SÉRIE DES CARTES GÉOPHYSIQUES

Parts of NTS / Parties des SNRC

115 J14, 115 J5, 115 K1, 115 K2, 115 K7, 115 K8

MEGATEM® II SURVEY, CENTRAL STEVENSON RIDGE AREA, YUKON

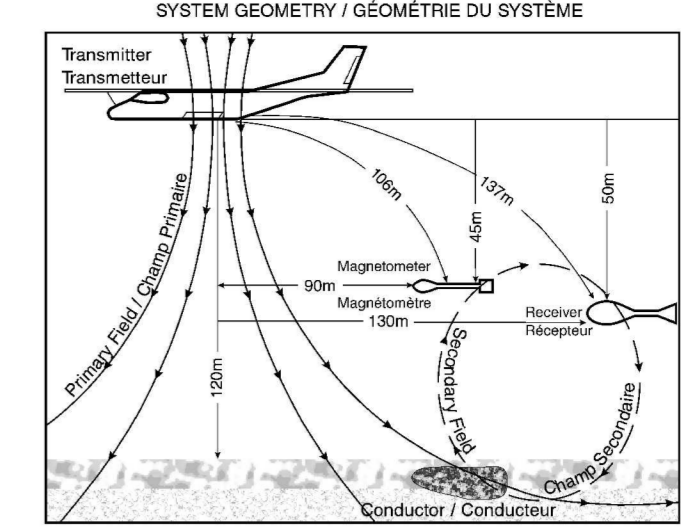
LEVÉ MEGATEM® II, RÉGION CENTRALE DE STEVENSON RIDGE, YUKON

Author: R. Dumont
Data acquisition, compilation and map production by Fugro Airborne Surveys, Ottawa, Ontario.

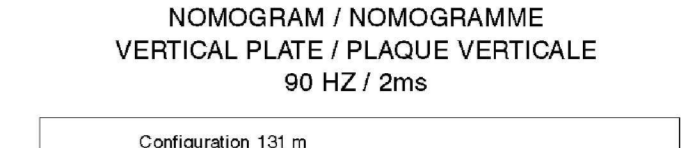
Auteur: R. Dumont
L'acquisition, la compilation et la production des cartes furent effectuées par Fugro Airborne Surveys, Ottawa, Ontario.

ELECTROMAGNETIC DECAY CONSTANT (TAU-Z) / CONSTANTE DE TEMPS ÉLECTROMAGNÉTIQUE (TAU-Z)

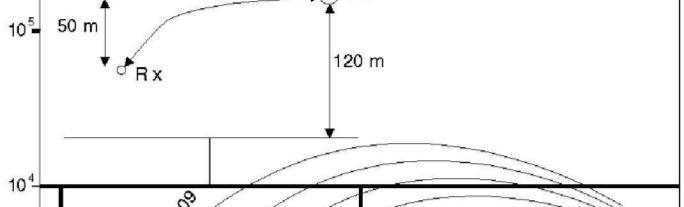
Scale 1:50 000 - Échelle 1/50 000



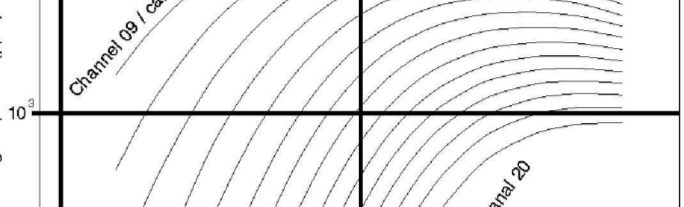
INTRODUCTION
This map was compiled from data acquired during an airborne electromagnetic survey carried out by FUGRO AIRBORNE SURVEYS using a MEGATEM® II four channel electromagnetic (EM) system.



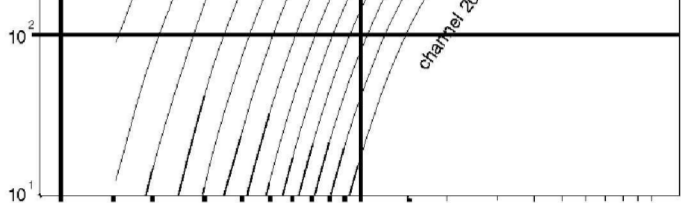
RESIDUAL MAGNETIC FIELD MAP
The magnetic data were corrected for diurnal variations, leveled to the control lines and interpolated onto a regular 100 metre grid.



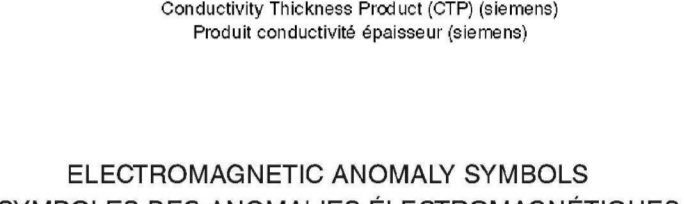
EM DECAY CONSTANT
The decay constant values were obtained by fitting the amplitude data from the Z-coil channels to a model.



EM ANOMALIES
The quantitative interpretation of the MEGATEM® II data was accomplished by comparing the resultant EM responses with type-curves obtained from mathematical model studies.



ISOCENCY LINES / LIGNES ISODECRASSANCE
This map is compiled from the data acquired during an airborne electromagnetic survey carried out by FUGRO AIRBORNE SURVEYS using a MEGATEM® II system.



PLANIMETRIC SYMBOLS / SYMBOLES PLANIMÉTRIQUES
This map is compiled from the data acquired during an airborne electromagnetic survey carried out by FUGRO AIRBORNE SURVEYS using a MEGATEM® II system.

Table with 2 columns: Anomaly / Anomalie, Channel / Canaux. Lists symbols for Cultural / Anthropique, Fault / Faille, etc.

Table with 2 columns: MEGATEM® II, Frequency (Hz), Peak Dipole Moment (Am²), Pulse Width (µs), Off Time (µs), Pulse Repetition (s⁻¹).

Table with 2 columns: Notes Descriptives, describing map features and symbols.

Table with 2 columns: Carte de la Composante Résiduelle du Champ Magnétique, describing residual magnetic field map.

Table with 2 columns: Conductivité Apparente, describing apparent conductivity values.

Table with 2 columns: Constante de Temps EM, describing EM decay constant values.

Table with 2 columns: Anomalies EM, describing EM anomalies.

Table with 2 columns: MEGATEM® II, Frequency (Hz), Moment mag. du dipôle (Am²), Largeur de l'impulsion (µs), Temps mort (µs), Répétition de l'impulsion (s⁻¹).

Table with 2 columns: MAP SHEET SUMMARY / SOMMAIRE DES FÉLLETES, listing map sheets and their contents.

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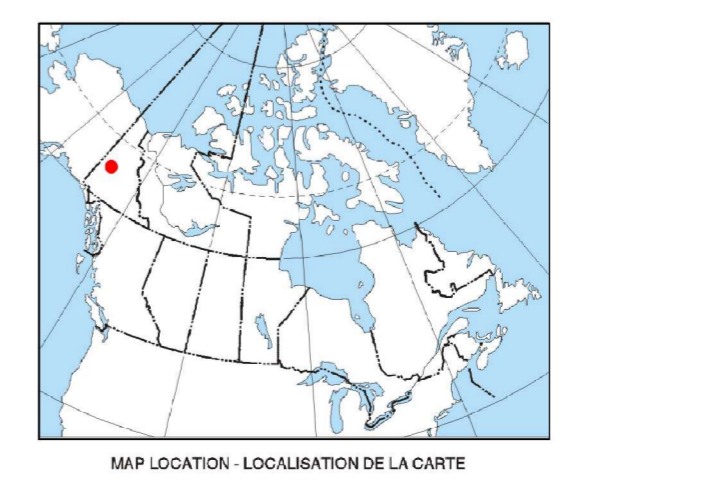
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Natural Resources Canada:
Dumont, R., 2009. Géomatographie de l'énergie et des minéraux, parties des SNRC 115 J4, 115 J5, 115 K1, 115 K2, 115 K7, 115 K8. Levé MEGATEM® II, région centrale de Stevenson Ridge, Yukon. Commission géologique du Canada, Dossier public 6083. Échelle 1:50 000.

OPEN FILE / DOSSIER PUBLIC 6083

OPEN FILE / DOSSIER PUBLIC 2009-3