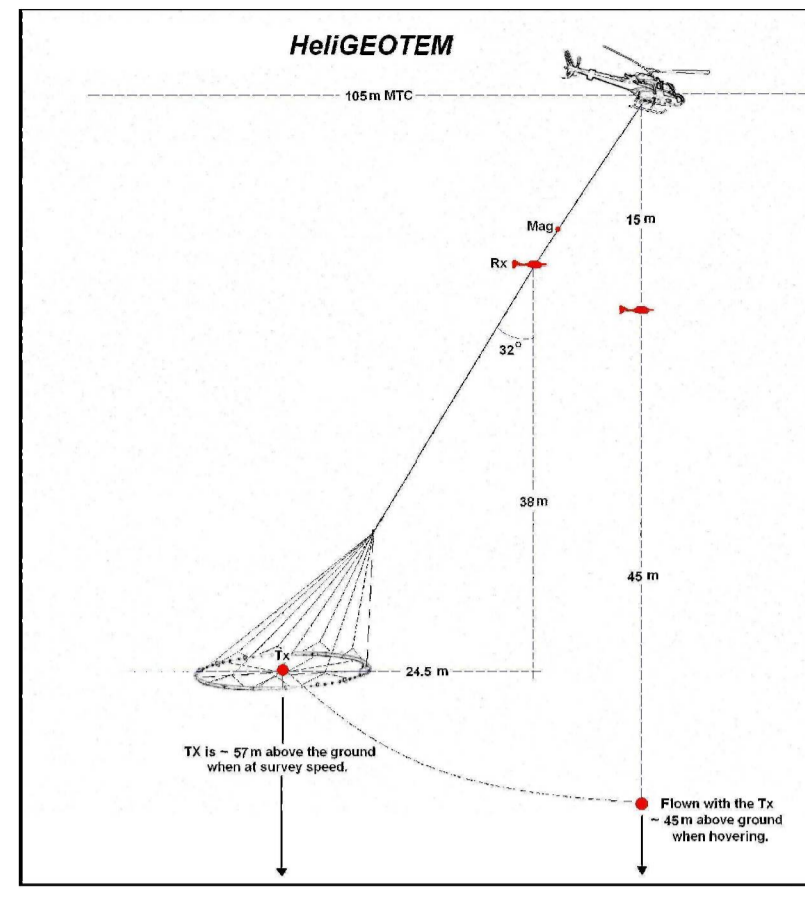
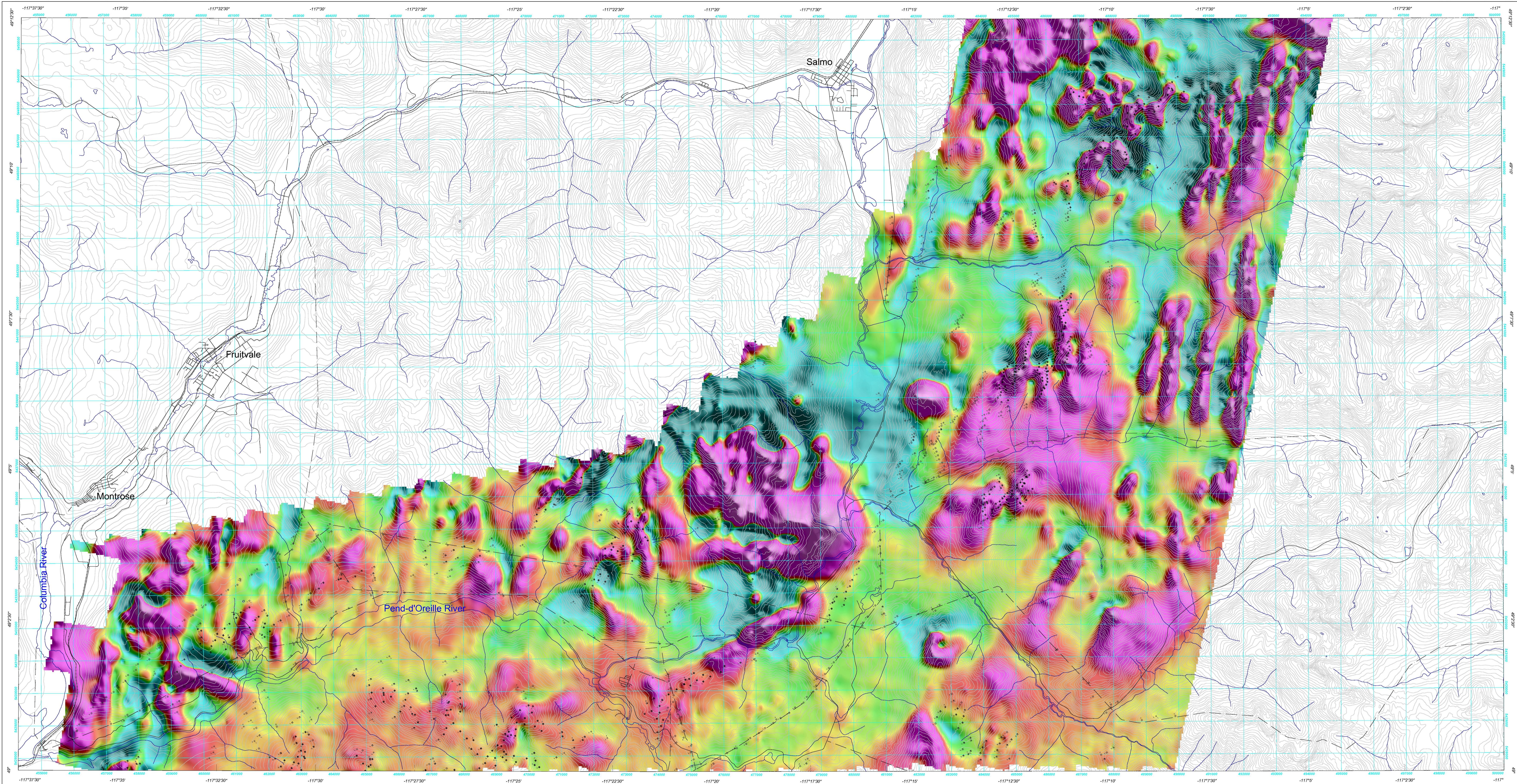


GEOPHYSICAL SERIES / PREMIÈRE DÉRIVÉE VERTICALE DU CHAMP MAGNÉTIQUE



INTRODUCTION
This map was compiled from data acquired during an airborne electromagnetic/magnetic survey carried out by FUGRO AIRBORNE SURVEYS utilizing a HeligEOTEM time domain electromagnetic (EM) system.

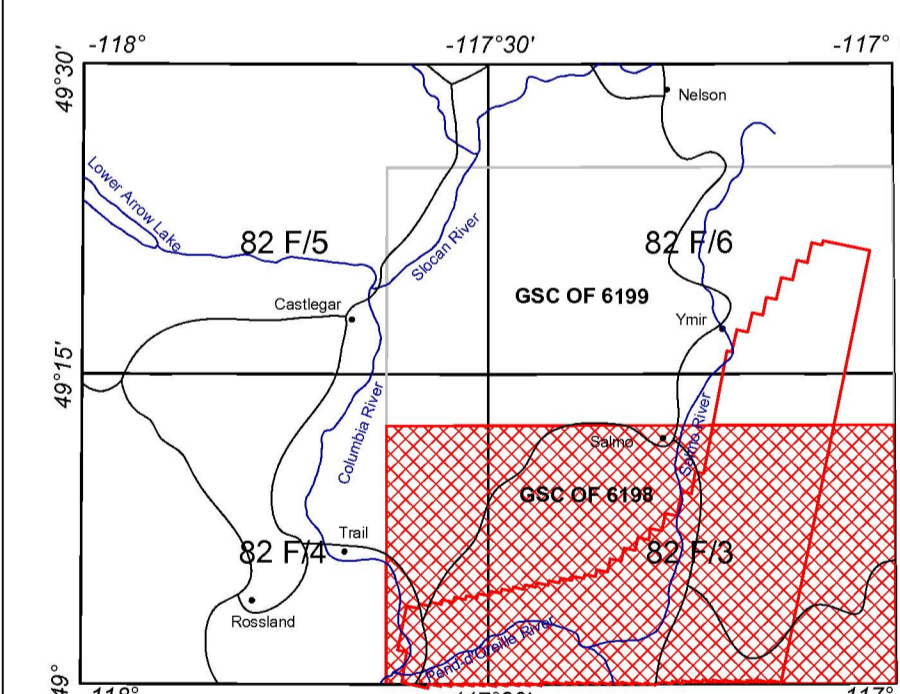
RESIDUAL MAGNETIC FIELD MAP
The magnetic field data were corrected for diurnal variations, levelled to the control lines and interpolated onto a regular 50 metre grid, using the minimum curvature algorithm.

EM DECAY CONSTANT
The decay constant values were obtained by fitting the amplitude data from the Z-coil channels 08 to 20 (approximately 288 to 2995 us after turn-off) to an exponential function.

EM ANOMALIES
The EM anomalies identified on the map correspond to the peak of the measured response measured from the dB/dt Z component. The coding of the symbols reflects the number of channels deflected above the background.

Table with 2 columns: Anomaly / Anomalie, Channels / Canaux. It lists various symbols for cultural, anthropic, and geological features, along with their corresponding channel numbers.

Table with 2 columns: Planimetric Symbols / Symboles Planimétriques. It lists symbols for roads, railways, power lines, and drainage.



This airborne geophysical survey and the production of this map were funded by Geoscience BC, Natural Resources Canada, Targis of the British Columbia TGA-3 Consortium Project and is a contribution to the Targeted Geoscience Initiative (TGI) Program of the Earth Sciences Division.

Within deep valleys, the height above ground of the transmitter may exceed 500 metres. No conductors have been detected beyond this distance. These areas with the transmitter height greater than 500 metres are greyed on the GSC Open File map 6198 through 6197.

Dans les vallées profondes, la hauteur du transmetteur au-dessus du sol peut excéder 500 mètres. Aucun conducteur n'a été détecté au-delà de cette distance. Ces zones où la hauteur du transmetteur excède 500 mètres sont grisées sur les cartes GSC ouvertes 6198 et 6197.

Digital versions of this map can be downloaded, at no charge, from Natural Resources Canada's Geoscience Data Repository (GDR) at http://www.gdr.gc.ca/eng/eng.asp. Corresponding digital profile and grid files are available from Natural Resources Canada's Geoscience Data Repository for aeromagnetic data at http://www.gdr.gc.ca/eng/eng.asp.

Les versions numériques de cette carte peuvent être téléchargées, sans frais, sur le site du Centre de données géoscientifiques de la Commission géologique du Canada, 615 Booth Street, Ottawa, Ontario, K1A 0E8. Téléphone: (613) 995-5226, email: info@geog.mcg.ca.

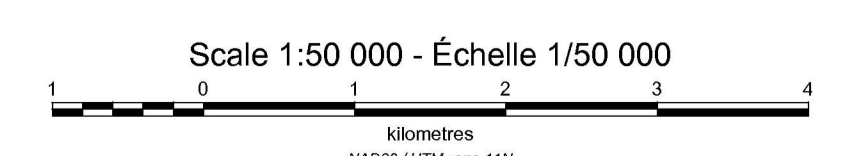
FIRST VERTICAL DERIVATIVE OF THE MAGNETIC FIELD / PREMIÈRE DÉRIVÉE VERTICALE DU CHAMP MAGNÉTIQUE

GSC OPEN FILE 6198 / DOSSIER PUBLIC 6198 DE LA CGC

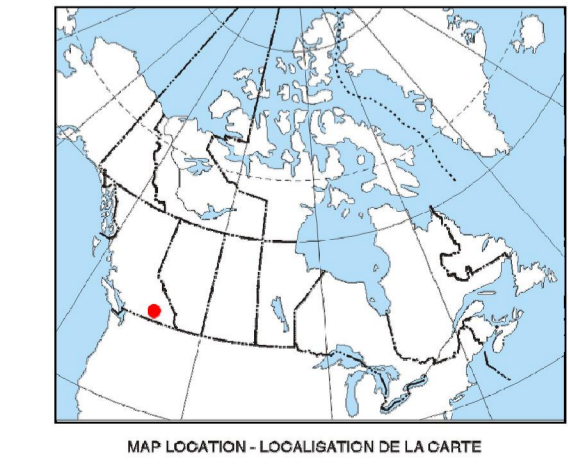
Author: R. Dumont
Data acquisition, compilation and map production by Fugro Airborne Surveys, Ottawa, Ontario.

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

HEligEOTEM® SURVEY OF KOOTENAY ARC / LEVÉ HEligEOTEM® DE KOOTENAY ARC
Parts of NTS / Parties des SNRC
82 F/3, 82 F/4
BRITISH COLUMBIA / COLOMBIE-BRITANNIQUE



OPEN FILE / DOSSIER PUBLIC
6198
GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA
2010



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Dumont, R., 2010. First vertical derivative of the magnetic field, HeligEOTEM® Survey of Kootenay Arc, Parts of NTS 82 F/3, 82 F/4, British Columbia; Geological Survey of Canada, Open File 6198, Scale 1:50 000.