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GSC OPEN FILE 6083 / DOSSIER PUBLIC 6083 DE LA CGC

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GEOPHYSICAL SERIES / SÉRIE DES CARTES GÉOPHYSIQUES

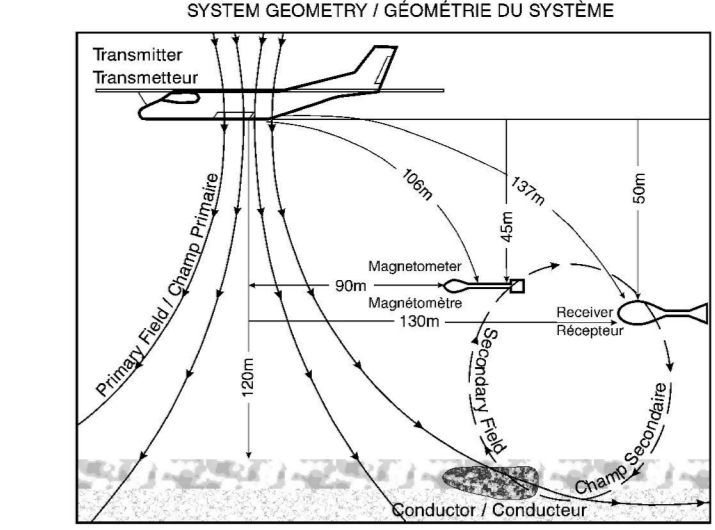
Parts of NTS / Parties des SNRC
115 J14, 115 J5, 115 K1, 115 K2, 115 K7, 115 K8

MEGATEM® II SURVEY, CENTRAL STEVENSON RIDGE AREA, YUKON
LEVEL MEGATEM® II, RÉGION CENTRALE DE STEVENSON RIDGE, YUKON

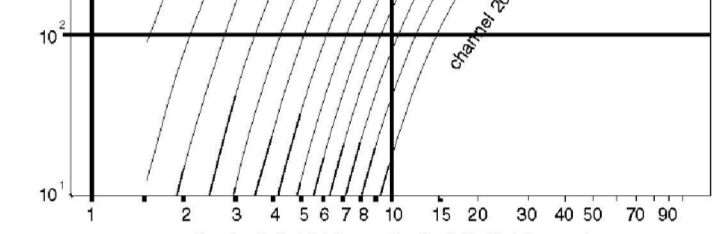
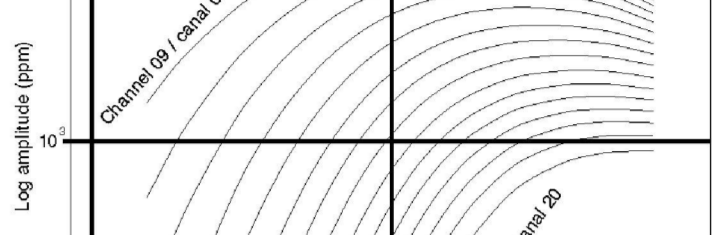
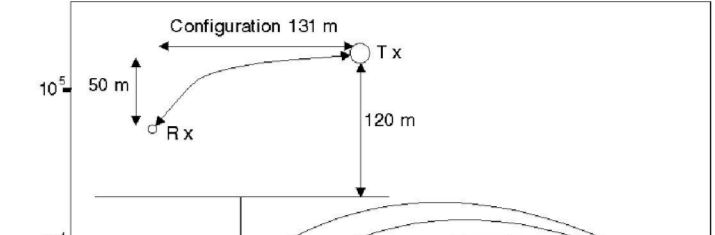
ELECTROMAGNETIC DECAY CONSTANT (TAU-Z)
CONSTANTE DE TEMPS ELECTROMAGNETIQUE (TAU-Z)

Scale 1:50 000 - Échelle 1/50 000

Map location information in French and English.



MEGATEM II SURVEY, CENTRAL STEVENSON RIDGE AREA, YUKON



Electromagnetic anomaly symbols legend listing various symbols for different geological features.

Isodecay lines legend showing contour lines for different conductivity values.

Planimetric symbols legend listing symbols for roads, rivers, and other features.

MAP SHEET SUMMARY / SOMMAIRE DES FEUILLETS listing the four sheets included in the file.

MEGATEM II Survey, Central Stevenson Ridge Area, Yukon

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INTRODUCTION
This map was compiled from data acquired during an airborne electromagnetic survey carried out by FUGRO AIRBORNE SURVEYS using a MEGATEM II low domain 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.

APPARENT CONDUCTIVITY
The apparent conductivity values were derived from the full 20 channels (on-time and off-time) of the 2-coil data, fitted to a homogeneous half-space model.

EM DECAY CONSTANT
The decay constant values were obtained by fitting the amplitude data from the 2-coil channels to a 2-coil 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.

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