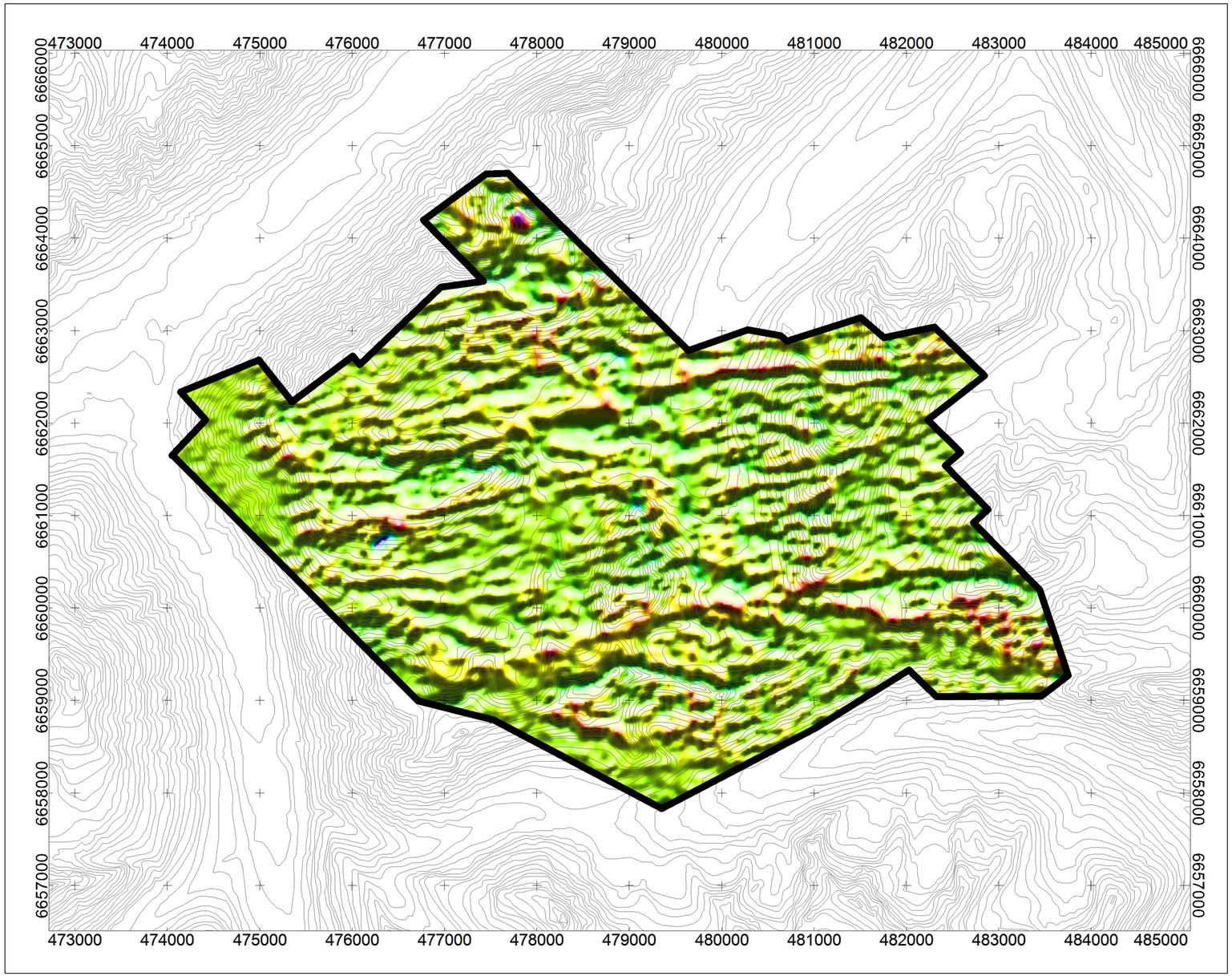


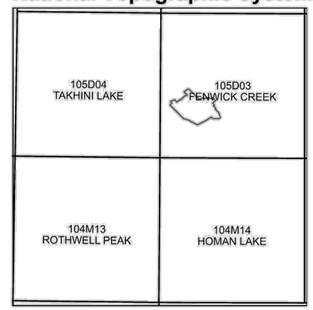
Scale 1:25000

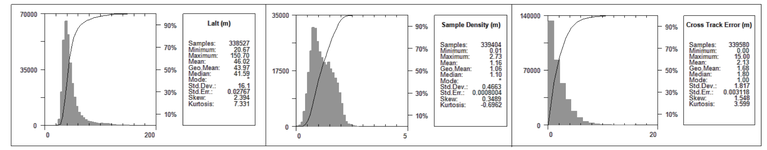
500 0 500 1000 1500

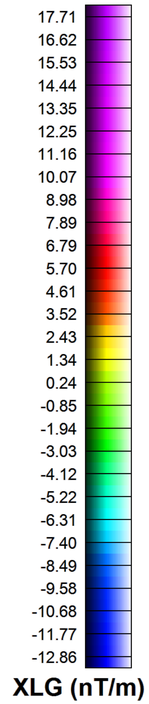
(meters)

WGS 84 / UTM zone 8N

National Topographic System







MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Cross-Line Gradient (XLG) is the difference between Mag 1 and Mag 3 divided by the sensor separation. Refer to report for details. XLG is represented as a grid and drawn with a linear wet-look colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bnd/>[2007]

Pike-Warden Survey Block

Magnetic Map

Cross-Line Gradient

Precision GeoSurveys

Job #21178
August 10, 2021

Plate 7
XLG