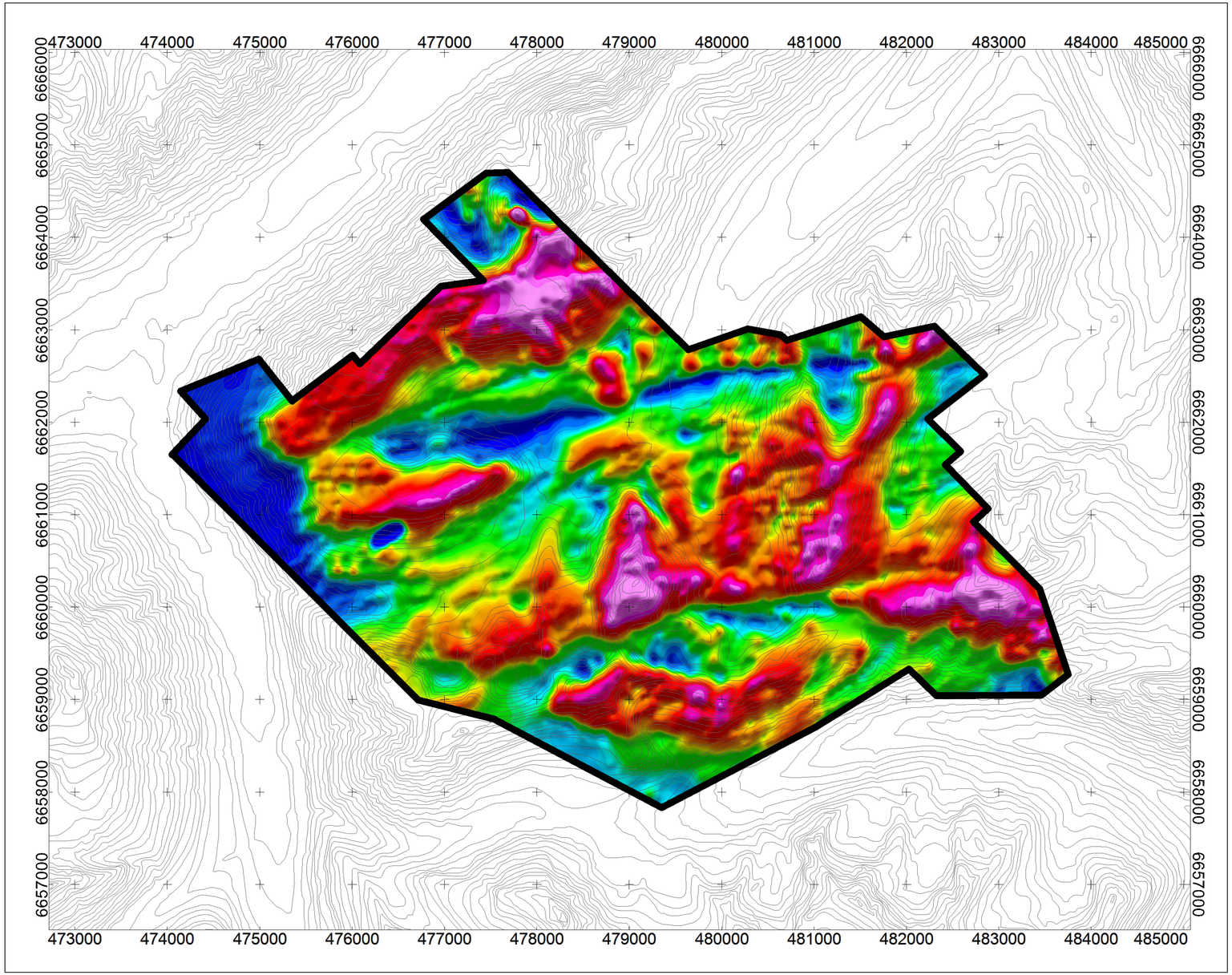


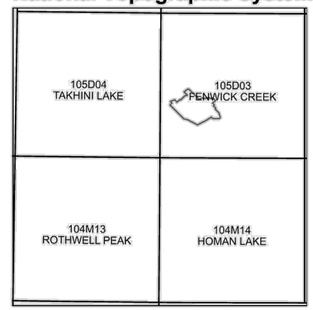
Scale 1:25000

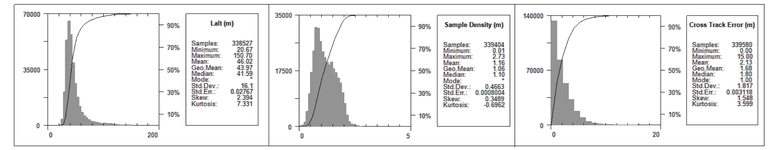
500 0 500 1000 1500

(meters)

WGS 84 / UTM zone 8N

National Topographic System





831.0
739.7
675.8
626.4
593.4
561.2
531.7
505.4
480.5
456.4
434.0
414.3
394.6
374.2
355.2
337.9
321.2
304.8
290.0
276.5
262.9
248.5
234.7
221.5
208.3
195.2
181.6
168.1
154.4
139.1
123.0
104.1
82.7
58.8
31.3
-14.6
-86.6
-131.7

RMI (nT)

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
Residual Magnetic Intensity (RMI) is derived by taking the difference between Total Magnetic Intensity (TMI) and IGRF. Refer to report for details. RMI is represented as a grid and drawn with a histogram-equalized 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_bndt/>[2007]

Pike-Warden Survey Block

Magnetic Map

Residual Magnetic Intensity

Precision GeoSurveys

Job #21178
August 10, 2021

Plate 5
RMI