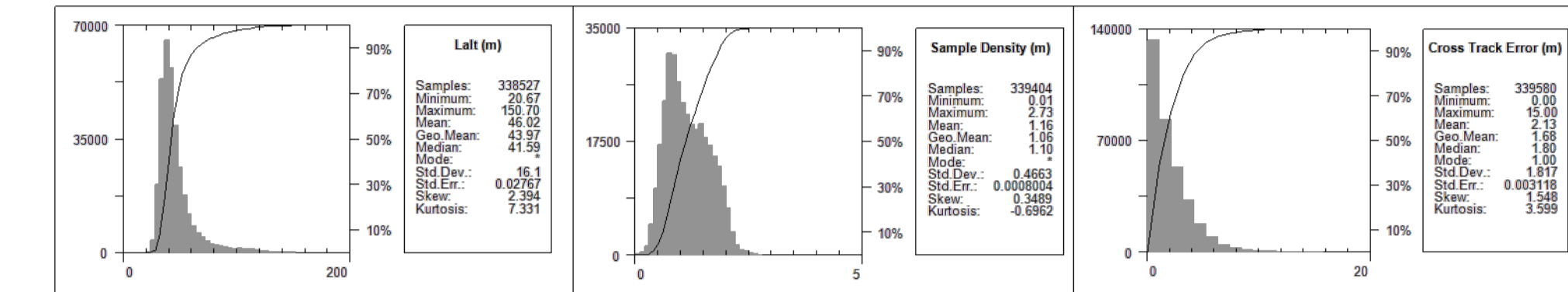
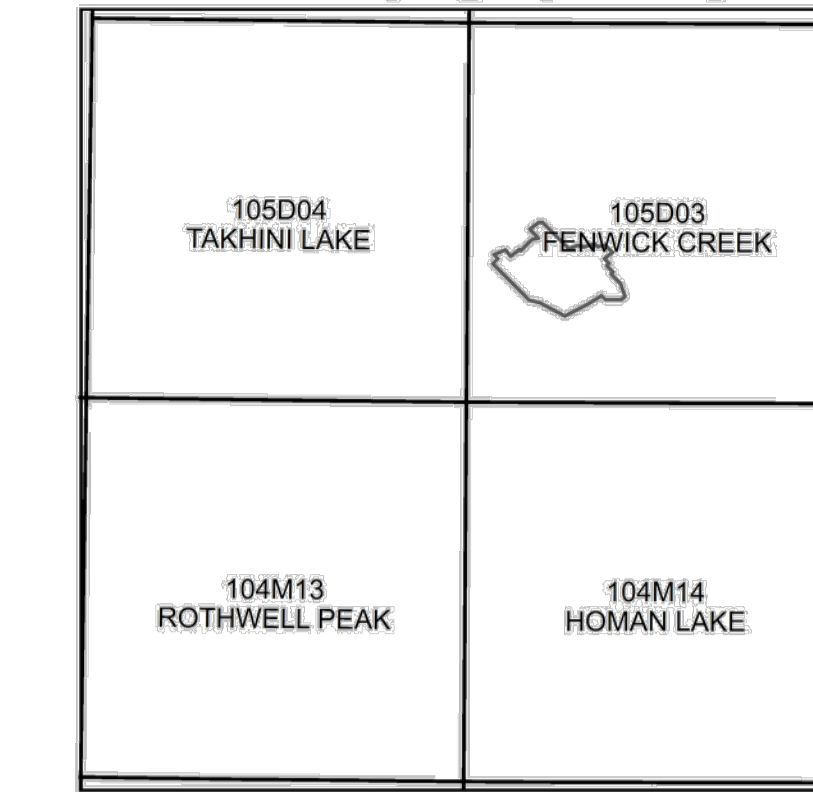


**National Topographic System**



**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 $\sqrt{\text{Hz}}$ rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML - LaMoire, 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)

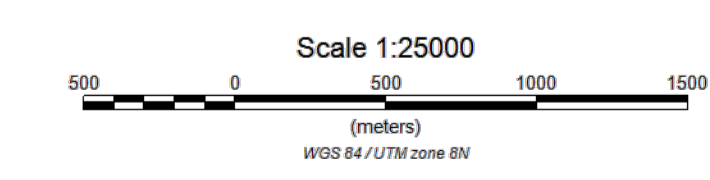
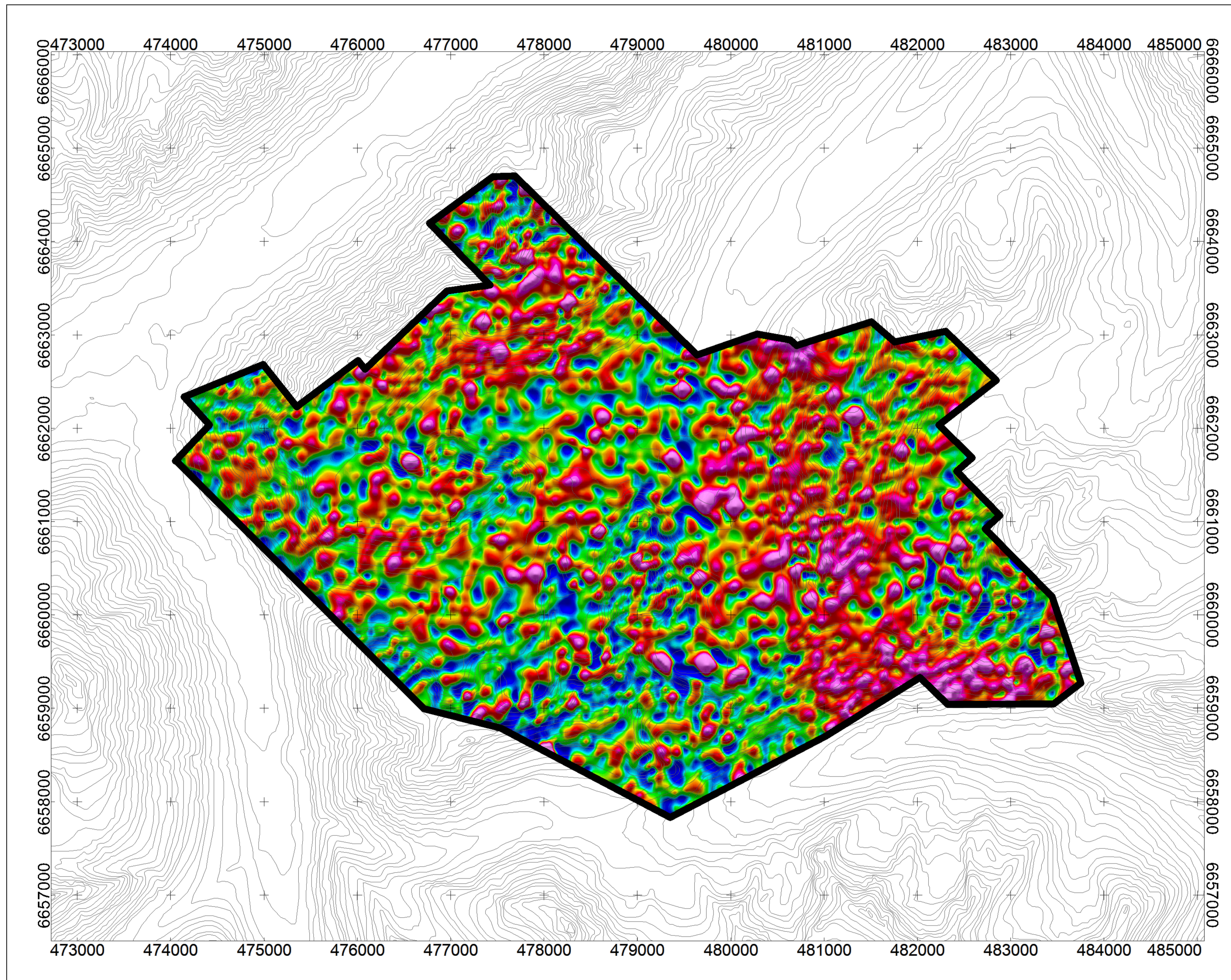
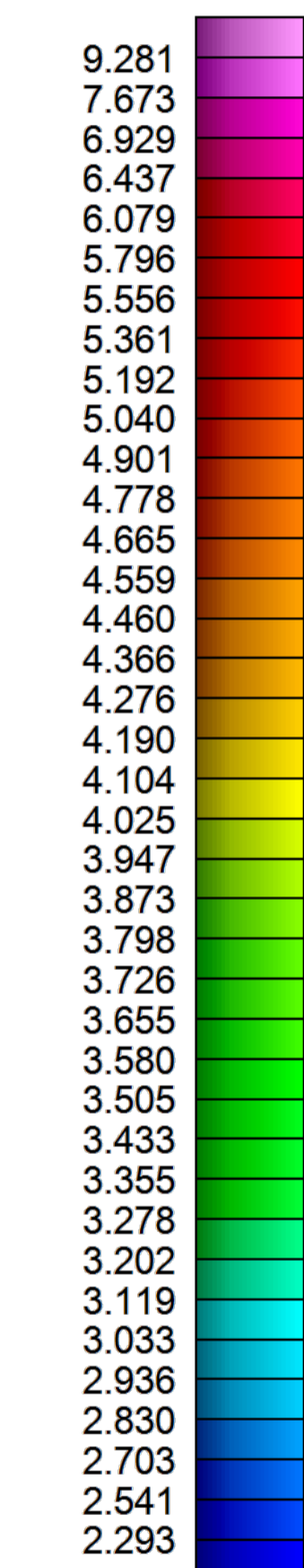
**Legend**

- Elevation Contours, 100 ft Intervals.....
- Pike - Warden Survey Block Boundary.....

**DATA REFERENCE**  
 Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 00°.

**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\\_mcan/vector/ntdb\\_bndt/](http://ftp.geogratis.gc.ca/pub/nrcan_mcan/vector/ntdb_bndt/)>[2007]

eTh/eU Ratio



**Pike-Warden Survey Block**

Radiometric Map  
 Thorium over Uranium Ratio

