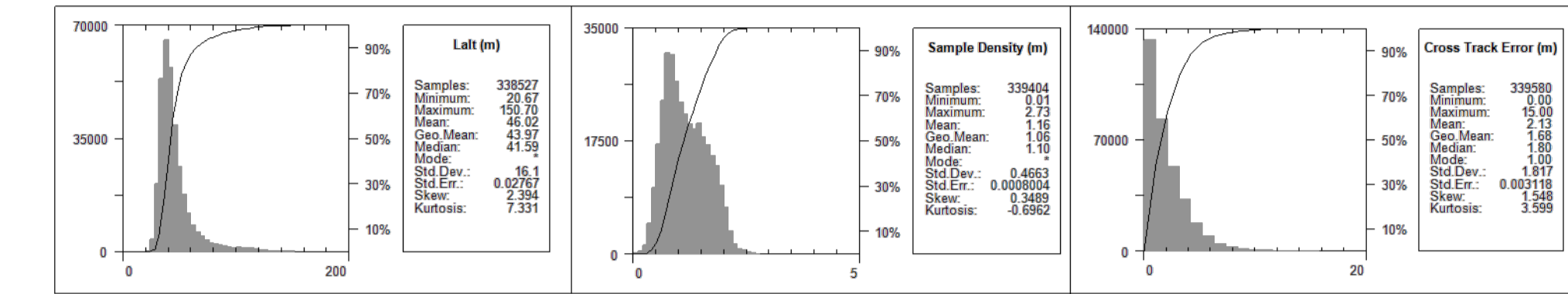
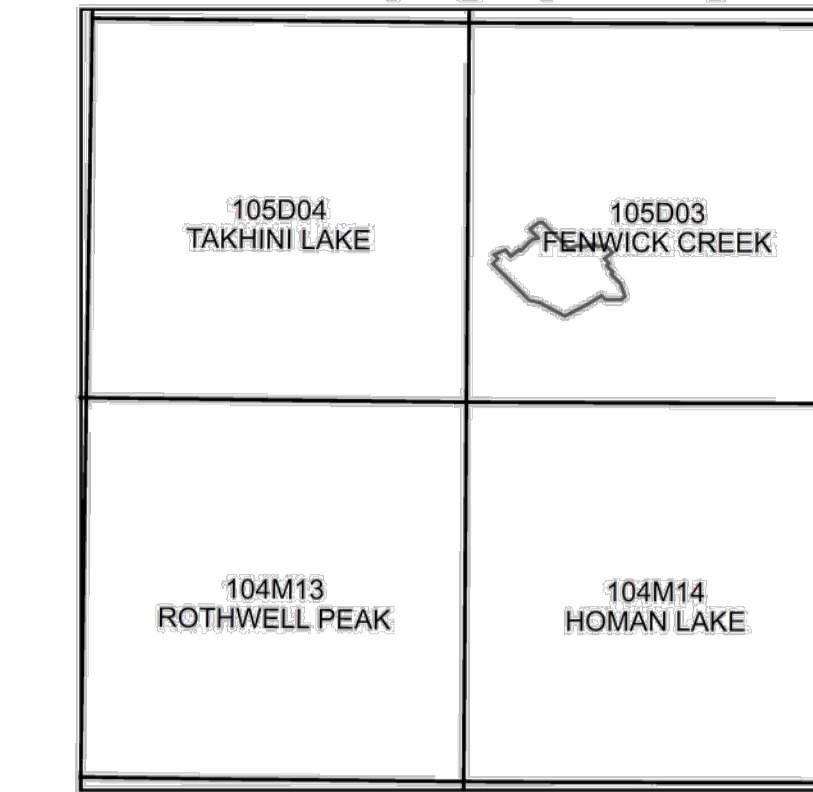


**National Topographic System**



**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

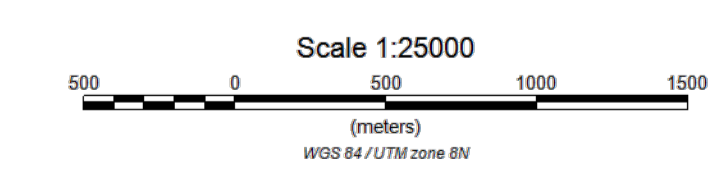
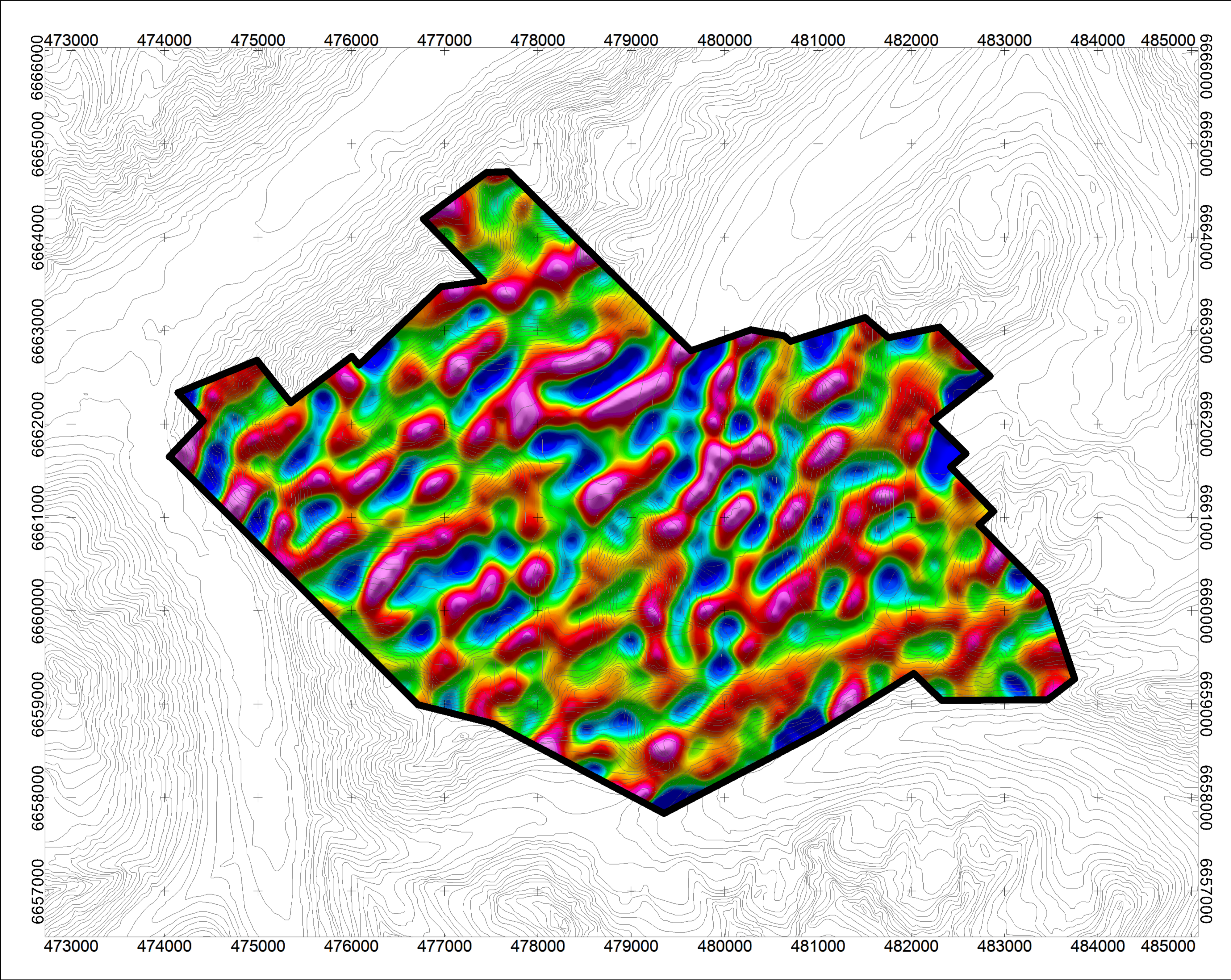
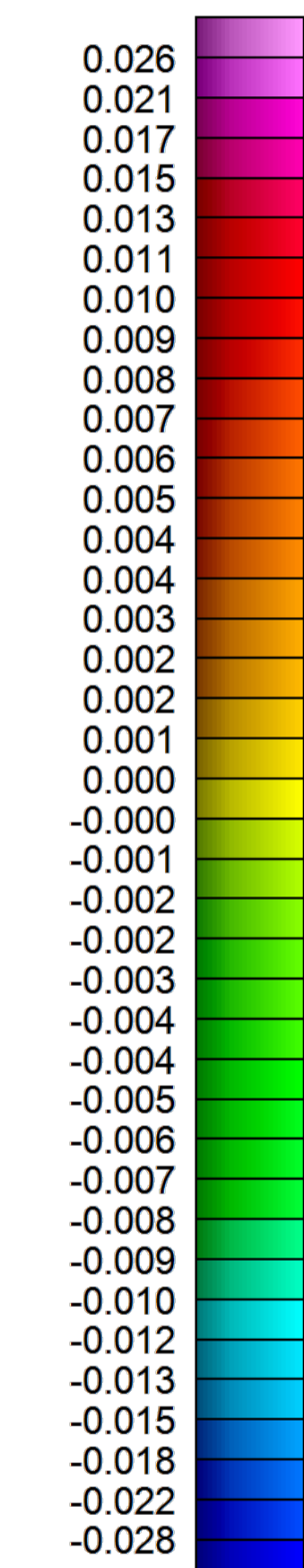
**Gamma Ray Spectrometer:** Pico Envirotec AGRS-5  
 Downward-Looking Crystals: 16.8 litres of NaI(Tl)  
 Upward-Looking Crystal: 4.2 litres of NaI(Tl)  
 Sample Rate: 1 Hz (Resampled to 20 Hz)

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

**DATA REFERENCE**  
 NLK Vertical Quadrature (NLK\_VQ) data have been corrected for lag, direction, normalized, leveled, and Fraser filtered. Data values are arbitrary units. Refer to report for details. NLK\_VQ is represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 45° and declination at 045°.

**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/vector/ntdb\\_bnd/](http://ftp.geogratis.gc.ca/pub/nrcan/vector/ntdb_bnd/)>[2007]

**NLK Vert Quad**



**Pike-Warden Survey Block**

VLF Electromagnetic Map  
 NLK Vertical Quadrature

