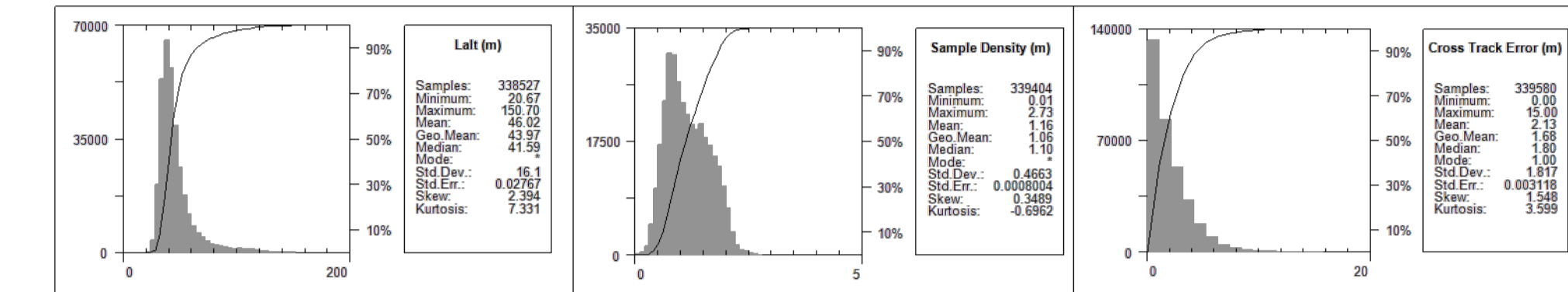
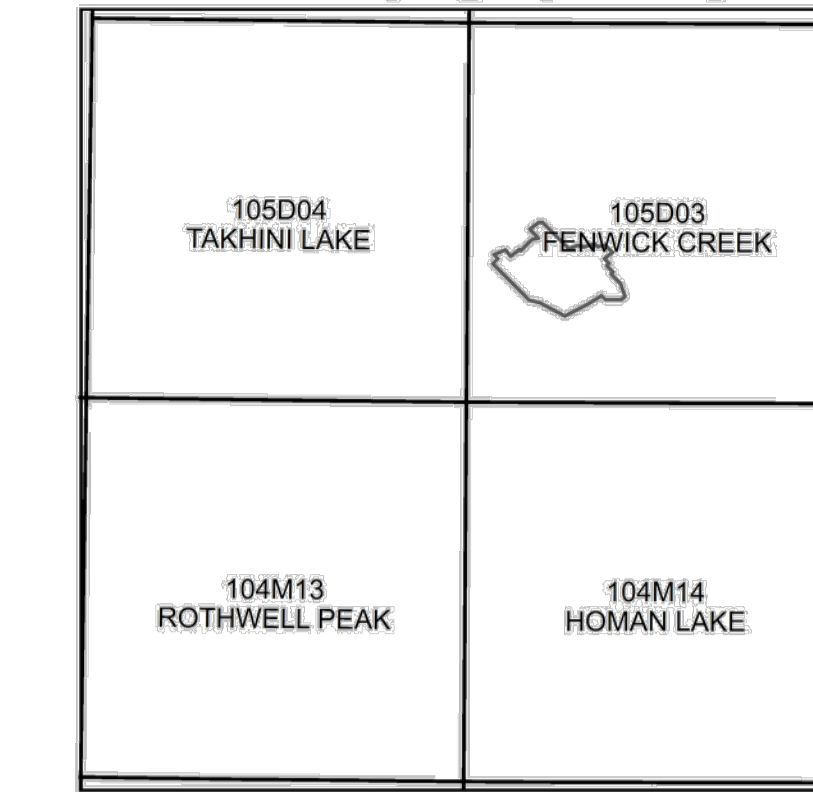


National Topographic System



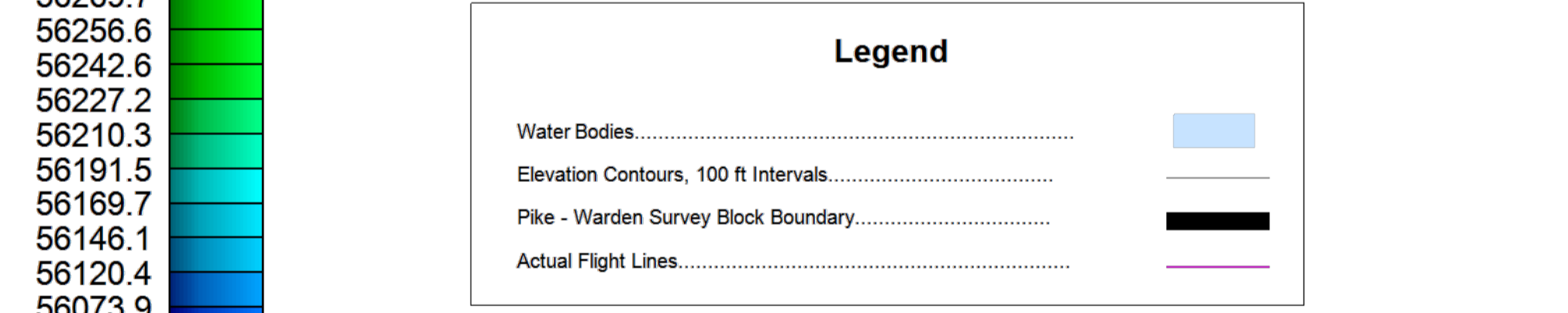
MAP PROJECTION
 Projection: Universal Transverse Mercator Zone 8N
 Datum: WGS 84
 Local Datum Transform: World

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 - LaMoure, ND 25.2 kHz
 NLK - Seattle, WA 24.8 kHz

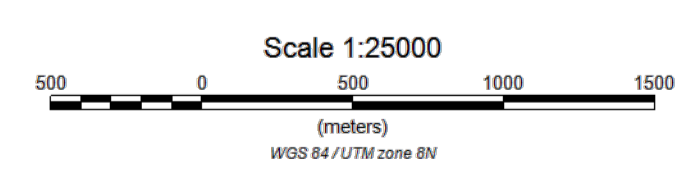
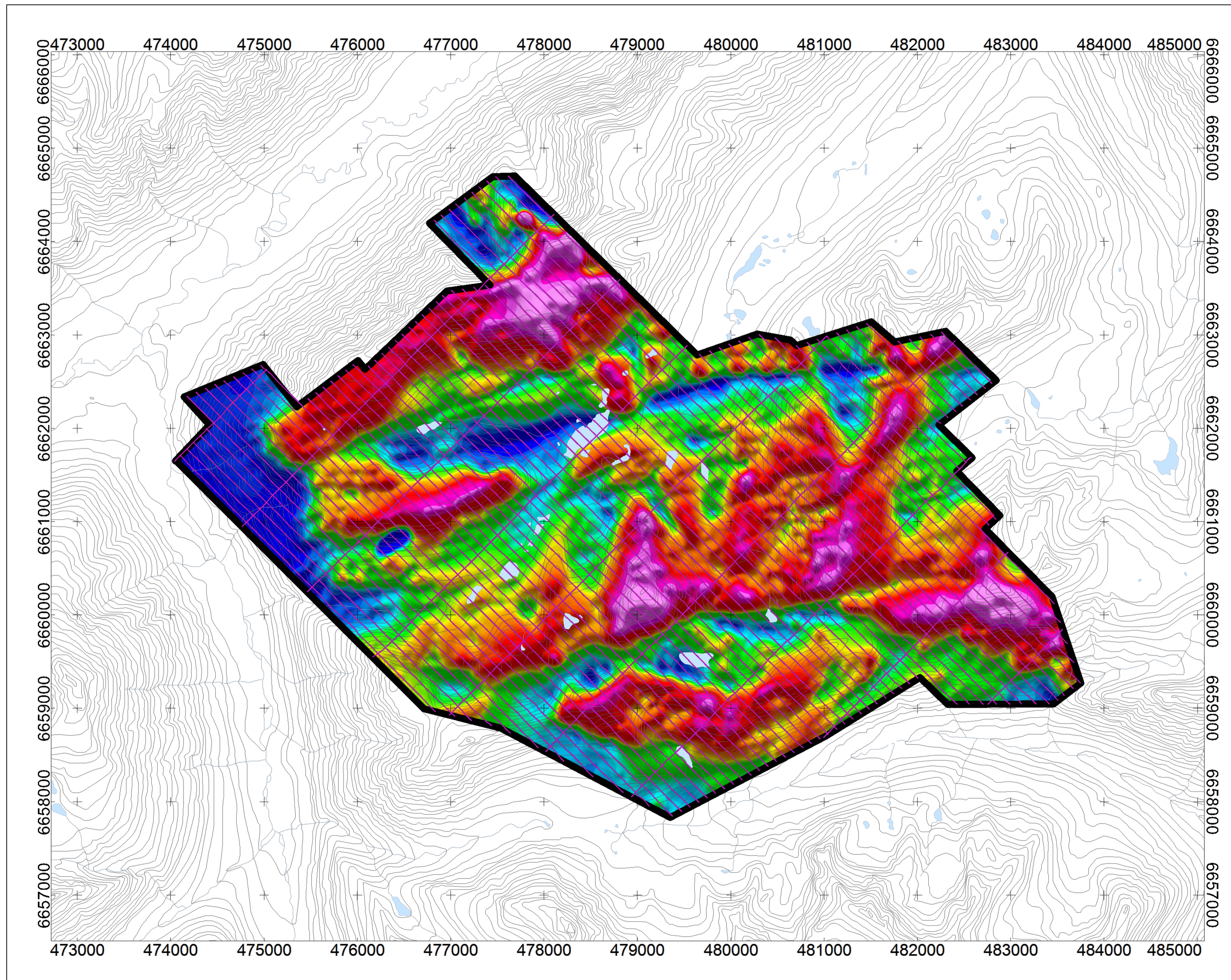
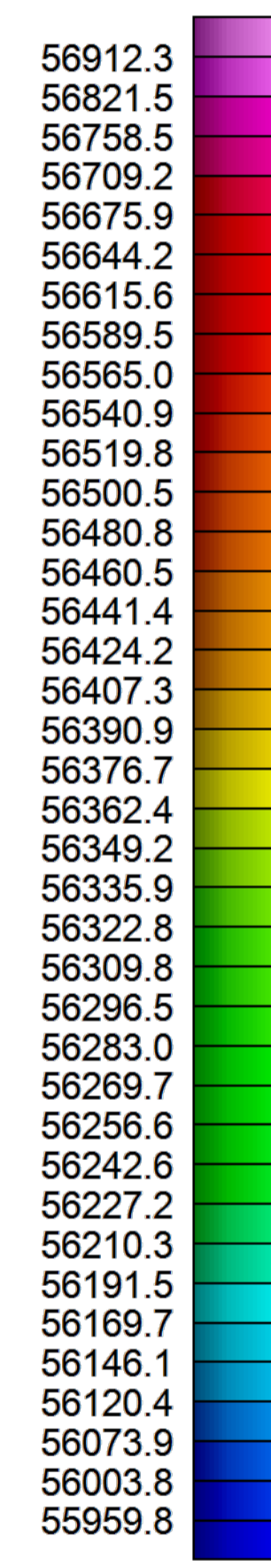
Gamma Ray Spectrometer: Pico Envirotec AGRS-5
 Downward-Looking Crystals: 16.8 litres of NaI(Tl)
 Upward-Looking Crystal: 4.2 litres of NaI(Tl)
 Sample Rate: 1 Hz (Resampled to 20 Hz)



DATA REFERENCE
 Magnetic data from Mag 2 have been compensated and corrected for temporal variations, lag, and heading, then leveled to generate the Total Magnetic Intensity (TMI) grid. Refer to report for details. TMI 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/vector/ntdb_bndt/>[2007]

TMI (nT)



Pike-Warden Survey Block

Magnetic Map
 Total Magnetic Intensity with Actual Flight Lines

