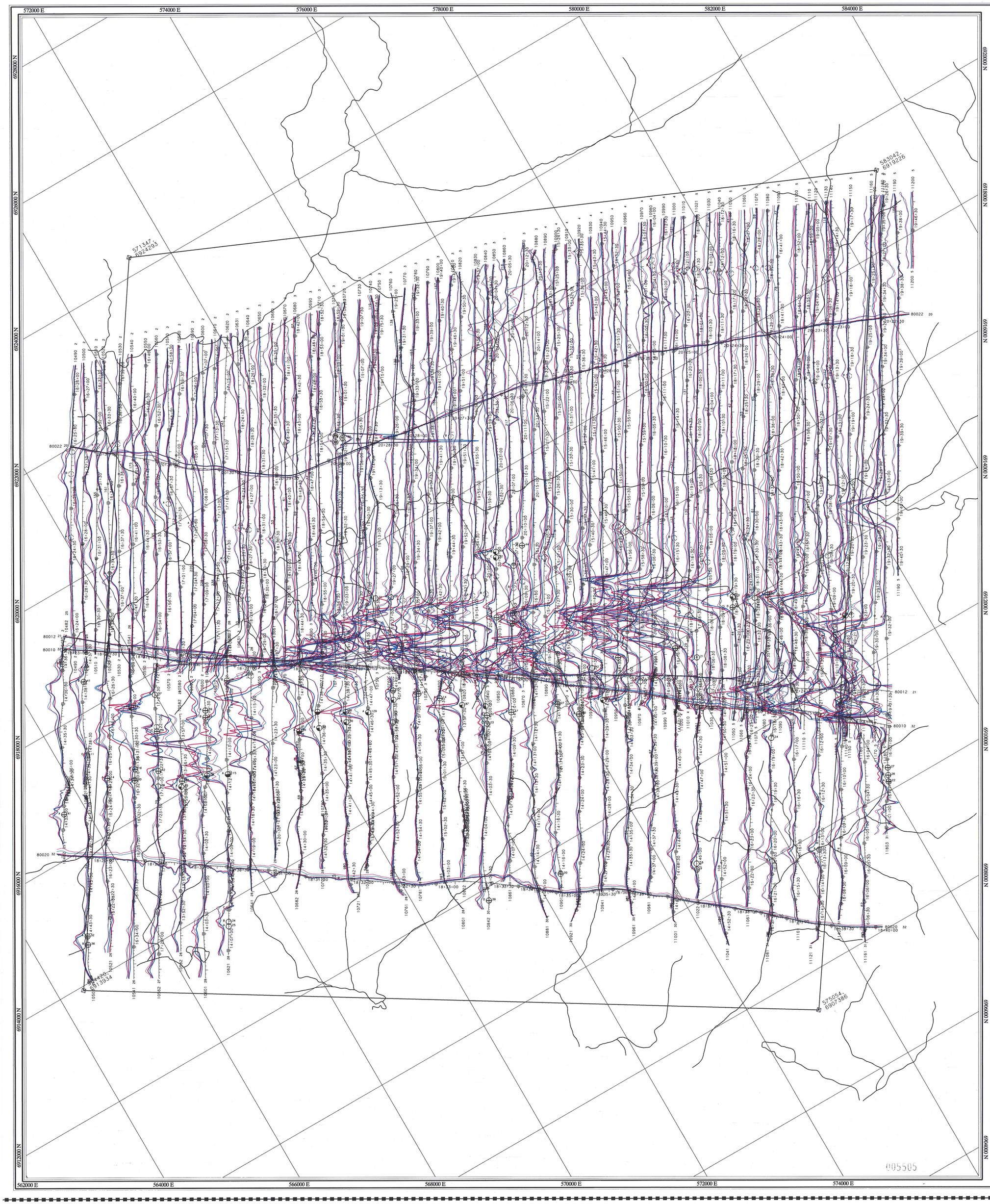


Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 1.59°
Grid North - Magnetic North : 30.35°
Annual change decreasing 4.1'

EM PROFILES

Inphase and quadrature components (thick/thin) of measured EM responses. Coaxial and coplanar coil pairs operating at fixed frequencies are mounted in a towed bird, with an average coil separation of 5.8m, and an average sensor elevation of 30m.

Profiles are presented as offsets from flight lines, using the vertical scales listed below:

COAXIAL	COPLANAR
935 Hz - 2 ppm/mm	865 Hz - 8 ppm/mm
4600 Hz - 4 ppm/mm	4175 Hz - 16 ppm/mm
	32000 Hz - 32 ppm/mm

FLIGHT PATH

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 30 - 210°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 60m was monitored by radar and barometric altimeters.

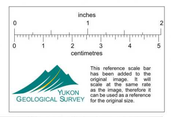
EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos



ANVIL RANGE MINING CORPORATION

EM PROFILES

4175 HZ COPLANAR/4600 HZ COAXIAL

FARO, D6

YUKON

SCALE 1:24 000

500 0 250 500 1000 2500 metres

aerodat
AERODAT INC.

Date Flown : JUNE - JULY 1996

NTS : 105/K/5,6

Project : J9650 Map Ref : 1 - 4