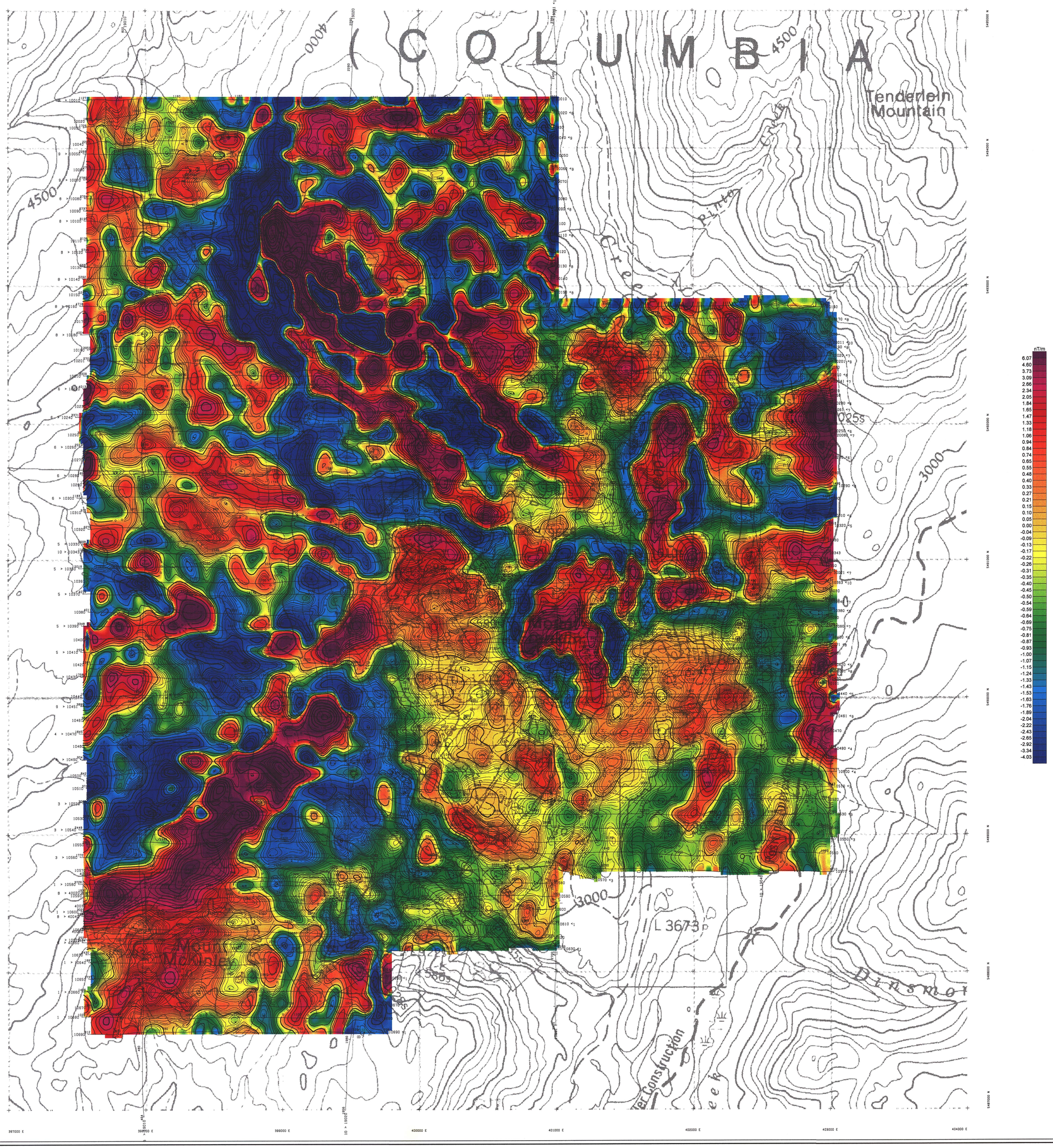


TECHNICAL SUMMARY

Navigation . . . . . Differentially-corrected GPS
Data reduction grid interval . . . . 25 metres
Terrain clearance . . . . . Helicopter 57 m
Electromagnetic sensor 30 m
Magnetometer 30 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . Cesium / 0.01 nT
Electromagnetic system . . . . . DIGHEM^{V}

Frequency	Sensitivity	Coil Orientation
1000 Hz	.06 ppm	Vertical coaxial
5500 Hz	.12 ppm	Vertical coaxial
900 Hz	.12 ppm	Horizontal coplanar
7200 Hz	.24 ppm	Horizontal coplanar
56000 Hz	.60 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◒	20–50 siemens
4	◔	10–20 siemens
3	⊖	5–10 siemens
2	○	1–5 siemens
1	⬡	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier — C/H — Interpretive symbol

Depth is greater than
. 15 m
: 30 m
| 45 m
| 60 m

Inphase and Quadrature of coaxial coil is greater than
. 5 ppm
.. 10 ppm
... 15 ppm
.... 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES

13010
13020 <2
11020
F1 B
100

- Flight number
- Flight direction
- Flight line number
- Reflight Number
- Line Number
- Area Number
- Fiducials identified on profiles
- Dip direction
- EM anomaly (see EM legend)
- Conductor axis (on EM maps only)
- Arcs indicate the conductor has a thickness > 10m
- Magnetic correlation in nT (gammas)

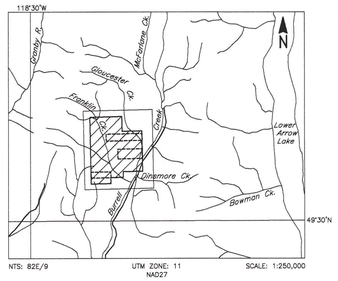
CALCULATED VERTICAL GRADIENT CONTOURS

. . . . . 2.5 nT/metre
. . . . . 0.5 nT/metre
. . . . . 0.1 nT/metre
. . . . . 0.05 nT/metre

inches 0 1 2
0 1 2 3 4 5 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

LOCATION MAP



TUXEDO RESOURCES LTD.
FRANKLIN PROPERTY, B.C.

CALCULATED VERTICAL MAGNETIC GRADIENT

DIGHEM^{V} SURVEY	NTS: 82E/9	GEOPHYSICIST:
DATE: APRIL, 2001	JOB: 2048	SHEET: 1
Fugro Airborne Surveys		

0 0.5 1.0 Km
0 0.5 Mi
Scale 1:10 000

FUGRO AIRBORNE SURVEYS 021151