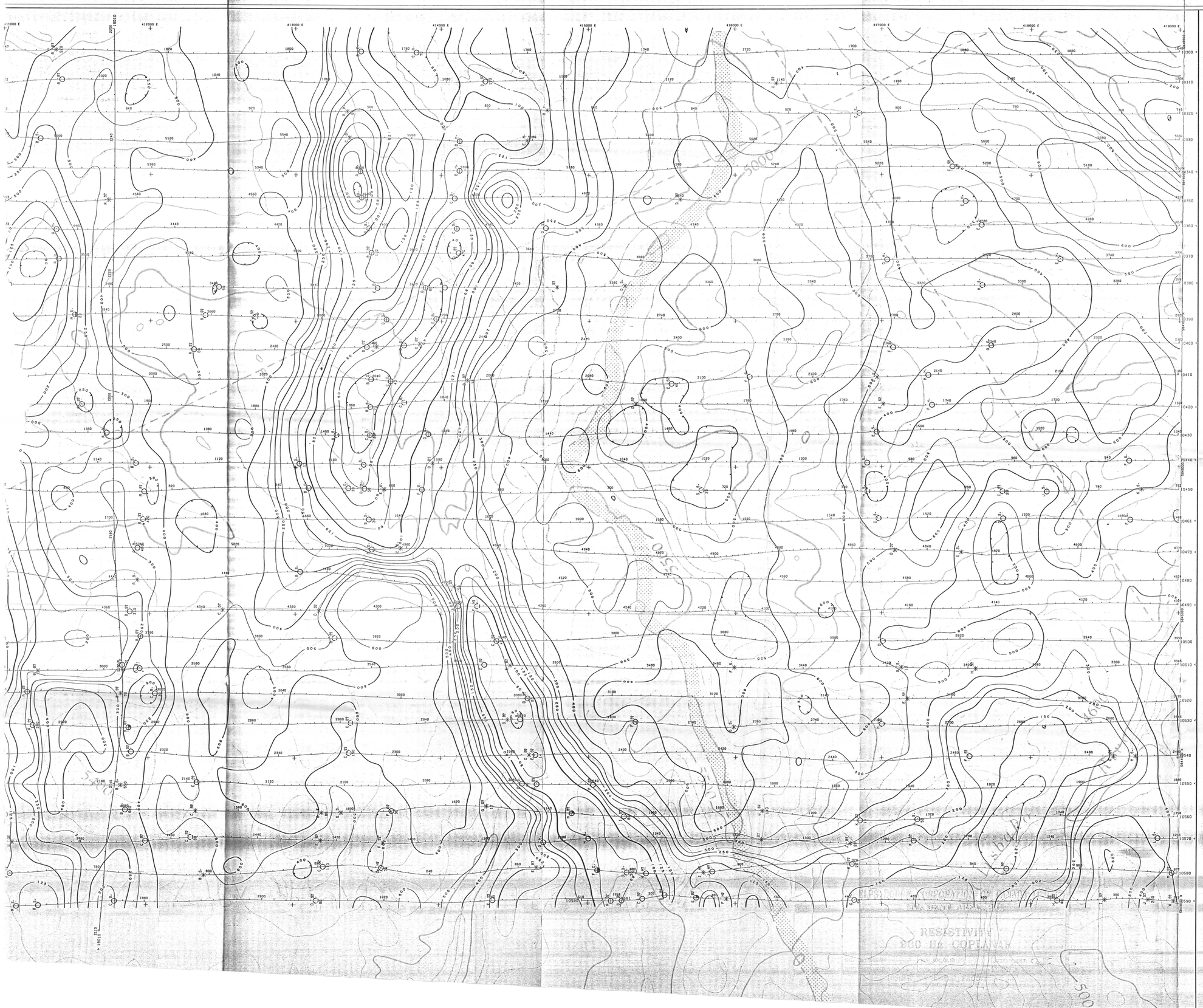


TECHNICAL SUMMARY

Navigation	Sercel real time differential GPS positioning
Data reduction grid interval	50 metres
Terrain clearance	Helicopter 60 m Electromagnetic sensor 30 m Magnetometer, VLF receiver 40 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Scintrex cesium / 0.01 nT
VLF receiver / sensitivity	Herz 2A / 1%
Electromagnetic system	DIGHEM*

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 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 — 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

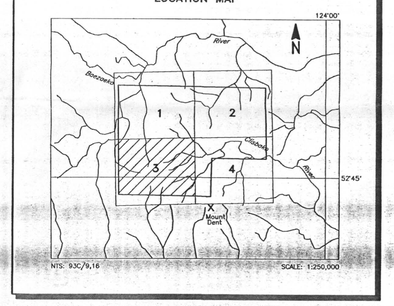
- Flight direction
- Flight line number: 11020 — Reflight Number, Line Number, Area Number
- Fiducials identified on profiles
- Dip direction
- EM anomaly (see EM legend)
- Conductor axis (on EM maps only)
- Arcs indicate the conductor has a thickness > 10m
- Magnetic correlation in nT (gammas)

RESISTIVITY CONTOURS

1000, 800, 600, 500, 400, 300, 250, 200, 150, 125, 100

Contours in ohm–m at 10 intervals per decade

LOCATION MAP



PHELPS DODGE CORPORATION OF CANADA LIMITED
MT. DENT AREA, B.C.

RESISTIVITY
900 Hz COPLANAR

DIGHEM * SURVEY	NTS: 93C/9,16	GEOPHYSICIST:
DATE: NOVEMBER 1993	JOB: 1157	SHEET: 3

DIGHEM SURVEYS & PROCESSING INC.

890618

0 0.5 1.0 Km