

### TECHNICAL SUMMARY

Navigation	Differentially-corrected GPS
Data reduction grid interval	30 metres
Terrain clearance	Helicopter, Spectrometer 5.7 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	DIGHEM
Spectrometer	GR820

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

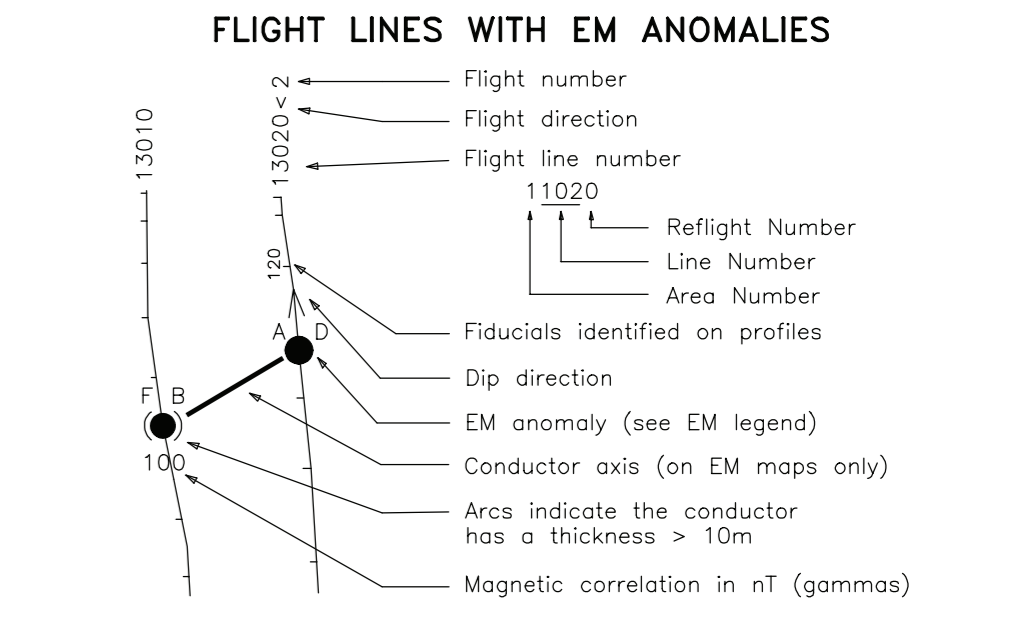
Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	●	5-10 siemens
2	●	1-5 siemens
1	●	< 1 siemens
-	*	Questionable anomaly

Interpretive symbol

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 ("thick space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

Depth is greater than

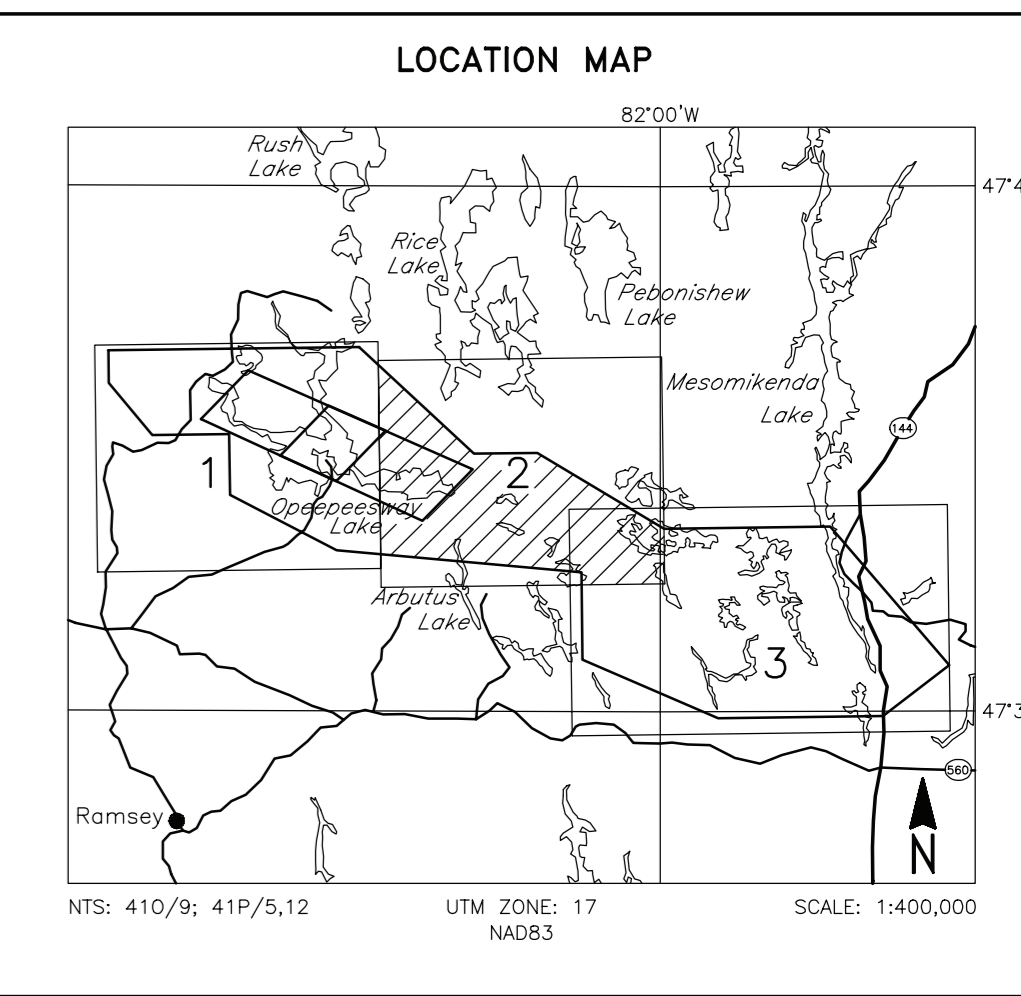
Depth	Inphase and Quadrature of coaxial coil is greater than
15 m	5 ppm
30 m	10 ppm
45 m	15 ppm
60 m	20 ppm



### RESISTIVITY CONTOURS

1000
800
600
500
400
300
250
200
150
125
100

Contours in ohm-m at 10 intervals per decade.  
Apparent resistivity calculated using a pseudo-layer half-space model (Frasier 1975).

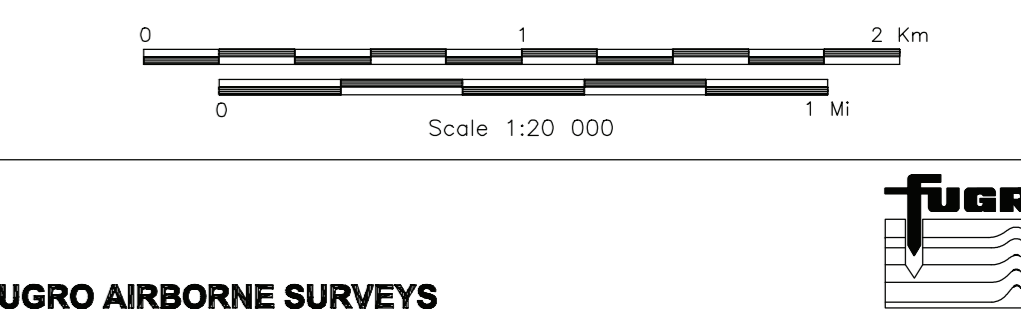


**AUGEN GOLD CORP.**  
GOGAMA AREA, ONTARIO

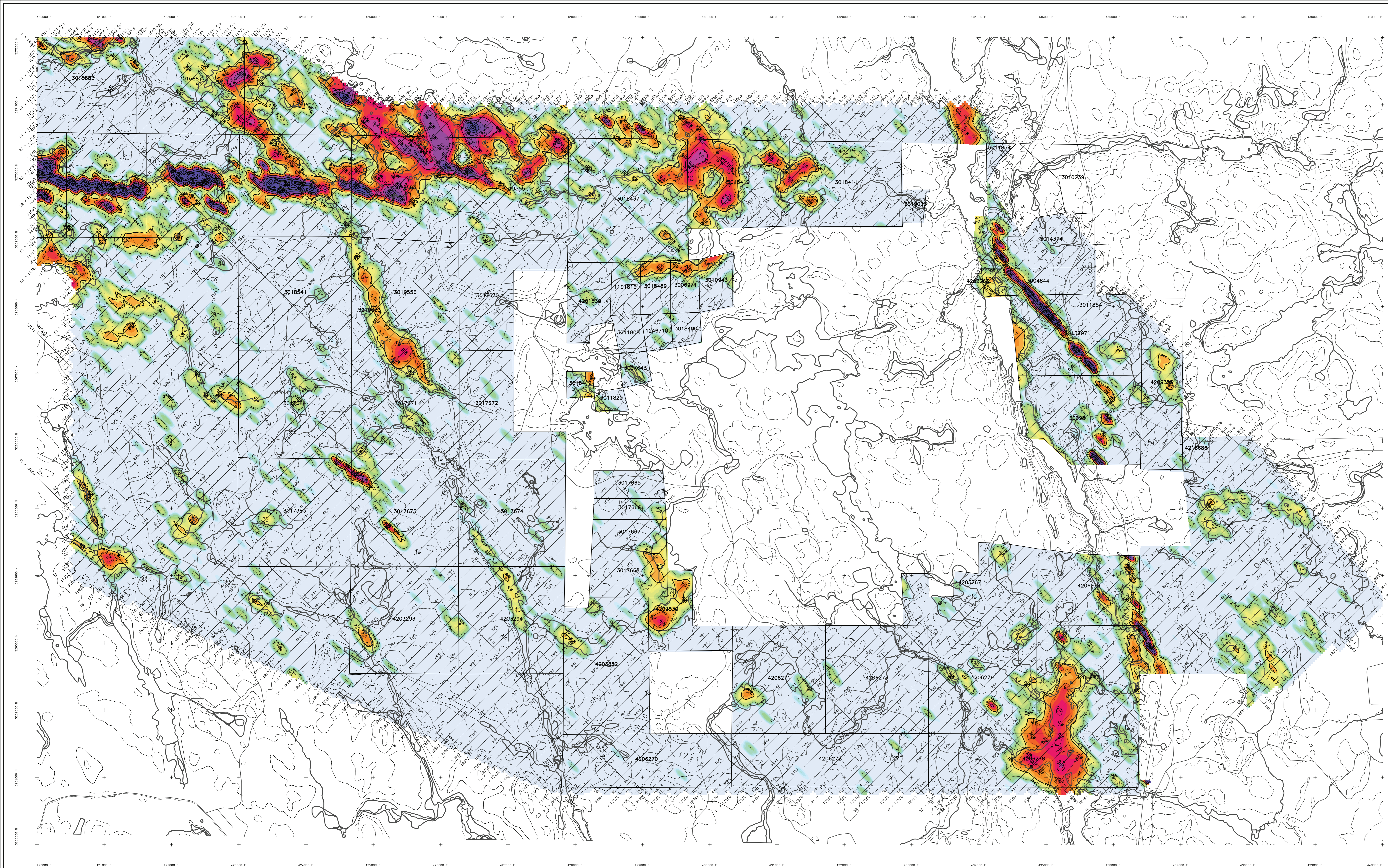
**APPARENT RESISTIVITY**  
7200 Hz COPLANAR

FUGRO DIGHEM/RAD SURVEY	NTS: 410/9; 41P/5,12	GEOPHYSICIST:
DATE: JANUARY, 2008	JOB: 07097	SHEET: 2

Fugro Airborne Surveys







### TECHNICAL SUMMARY

Navigation	Differentially-corrected GPS
Data reduction grid interval	30 metres
Terrain clearance	Minimum Spectrometer 57 m Electromagnetic sensor 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	DIGEM
Spectrometer	GR820

Frequency	Sensitivity	Coil Orientation
1000 Hz	.06 ppm	Vertical coplanar
5500 Hz	.12 ppm	Vertical coplanar
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

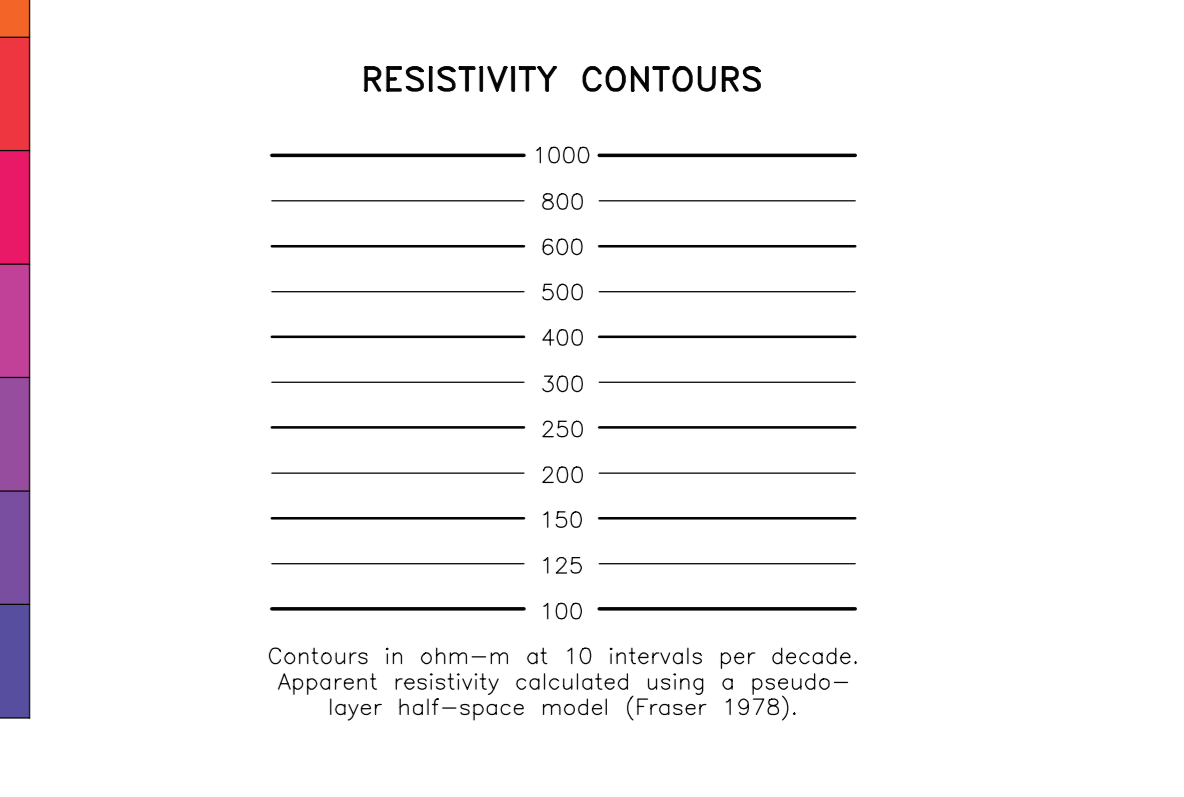
### FLIGHT LINES WITH EM ANOMALIES

Symbol	Interpretive
—	Refight 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.  
Apparent resistivity calculated using a pseudo-layer half-space model (Fraser 1978).



**AUGEN GOLD CORP.**  
GOGAMA AREA, ONTARIO

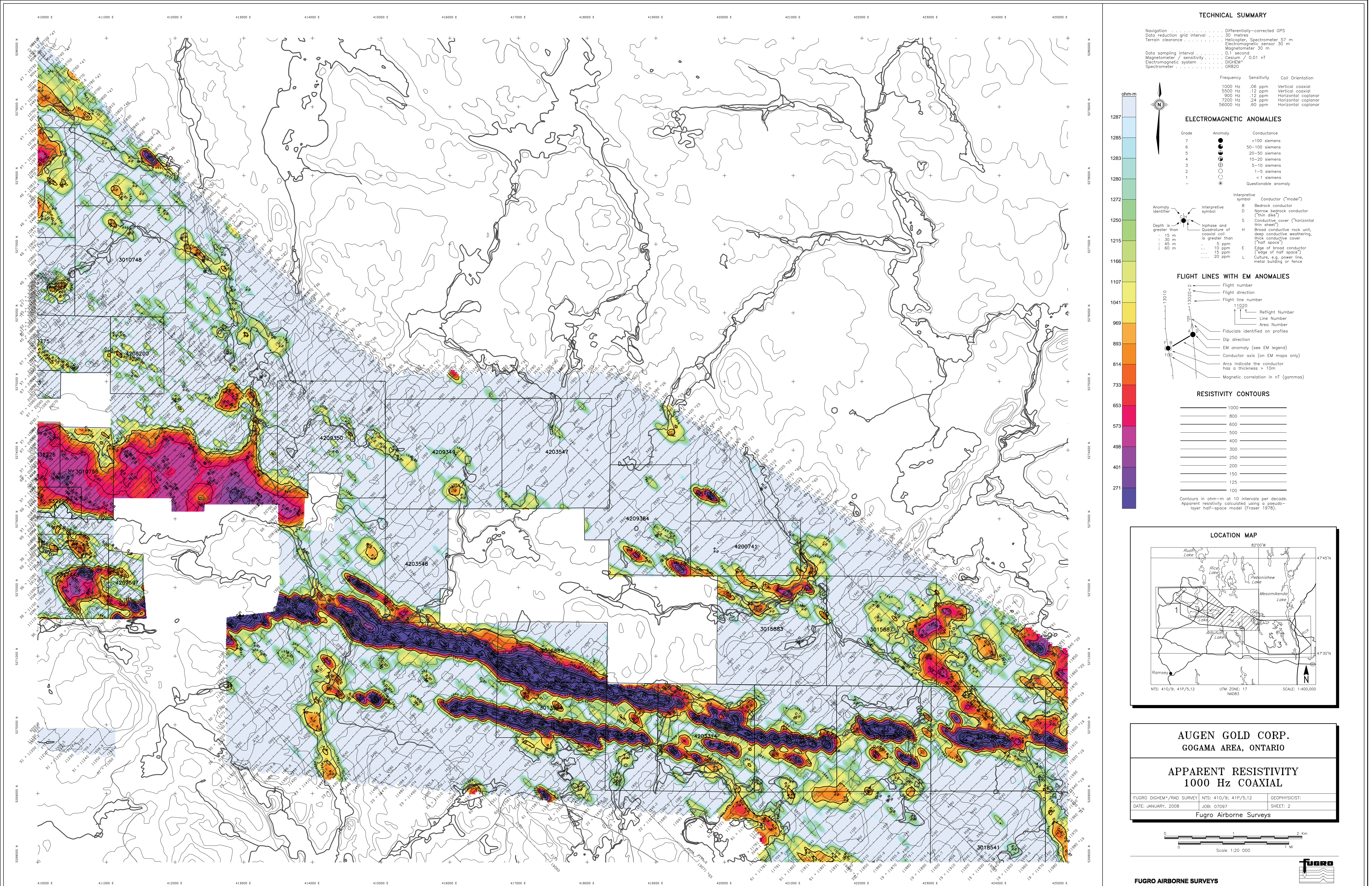
**APPARENT RESISTIVITY**  
1000 Hz COAXIAL

FUGRO DIGEM/RAD SURVEY	NTS: 410/9; 41P/5,12	GEOPHYSICIST:
DATE: JANUARY, 2008	JOB: 07097	SHEET: 3

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Scale 1:20 000

**FUGRO AIRBORNE SURVEYS**



**TECHNICAL SUMMARY**

Navigation ..... Differentially-corrected GPS  
 Data reduction grid interval ..... 30 metres  
 Terrain clearance ..... Helicopter, Spectrometer 5.7 m  
 ..... Electromagnetic sensor 30 m  
 ..... Magnetometer 30 m

Data sampling interval ..... 0.1 second  
 Magnetometer / sensitivity ..... Caesium / 0.01 nT  
 Electromagnetic system ..... DIGHEM<sup>®</sup>  
 Spectrometer ..... GR820

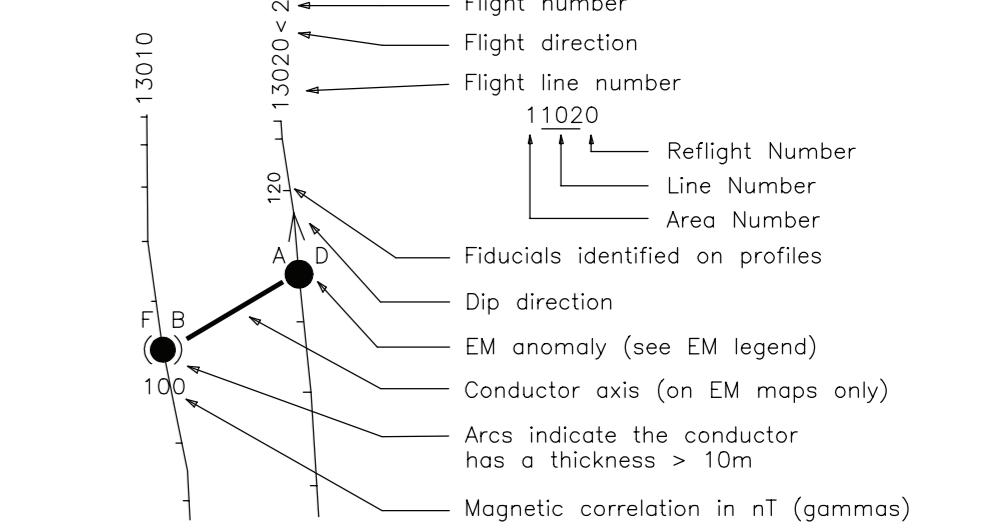
Frequency	Sensitivity	Coil Orientation
1000 Hz	.06 ppm	Vertical coaxial
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7200 Hz	.24 ppm	Horizontal coplanar
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**ELECTROMAGNETIC ANOMALIES**

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	Conductor ("model")
B	○	Bedrock conductor
D	○	Narrow bedrock conductor ("thin disk")
S	○	Conductive cover ("horizontal thin sheet")
H	○	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("thick 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**

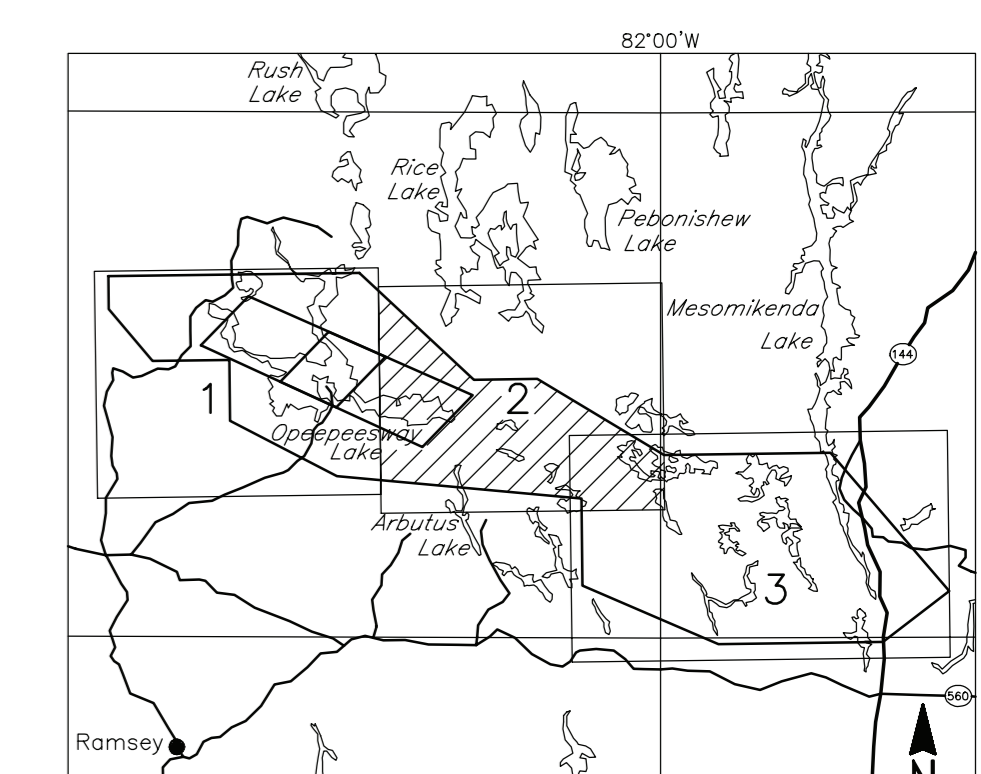


**RESISTIVITY CONTOURS**

1000
800
600
500
400
300
250
200
150
125
100

Contours in ohm-m at 10 intervals per decade.  
 Apparent resistivity calculated using a pseudo-layer half-space model (Frasier 1976).

**LOCATION MAP**

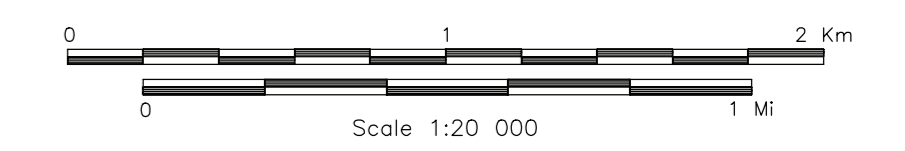


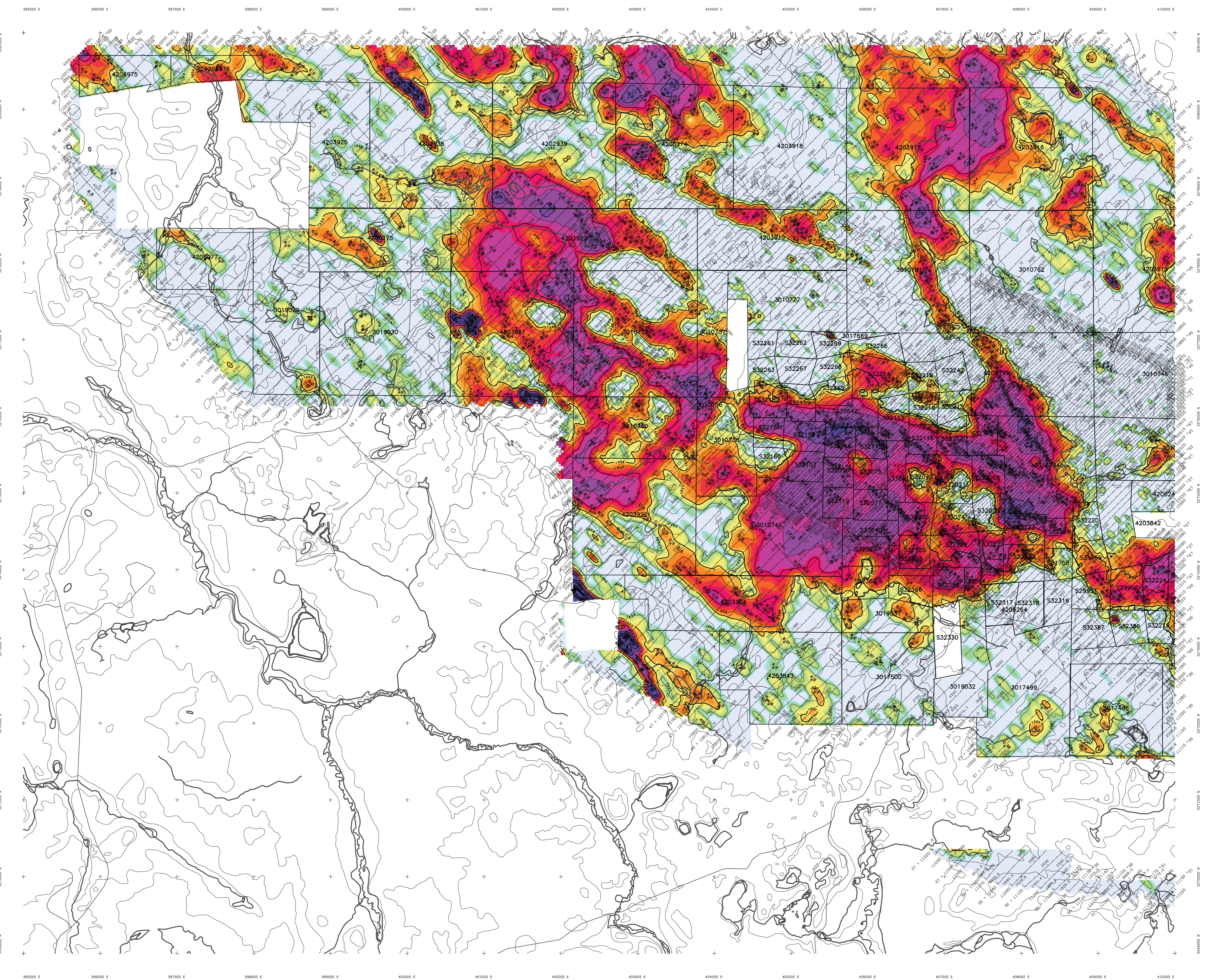
**AUGEN GOLD CORP.  
GOGAMA AREA, ONTARIO**

**APPARENT RESISTIVITY  
1000 Hz COAXIAL**

FUGRO DIGHEM <sup>®</sup> /RAD SURVEY	NTS: 410/9; 41P/5,12	GEOPHYSICIST:
DATE: JANUARY, 2008	JOB: 07097	SHEET: 2

Fugro Airborne Surveys





### TECHNICAL SUMMARY

Navigation: Differentially-corrected GPS  
 Data reduction grid interval: 30 metres  
 Terrain clearance: Helicopter, Spectrometer 5.7 m  
 Electromagnetic sensor 30 m  
 Magnetometer 30 m

Data sampling interval: 0.1 second  
 Magnetometer / sensitivity: Gauss / 0.01 nT  
 Electromagnetic system: DIGHEM  
 Spectrometer: GR820

Frequency	Sensitivity	Coil Orientation
1000 Hz	.06 ppm	Vertical coaxial
5500 Hz	.12 ppm	Vertical coaxial
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Grade	Anomaly	Conductance
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2	●	1-5 siemens
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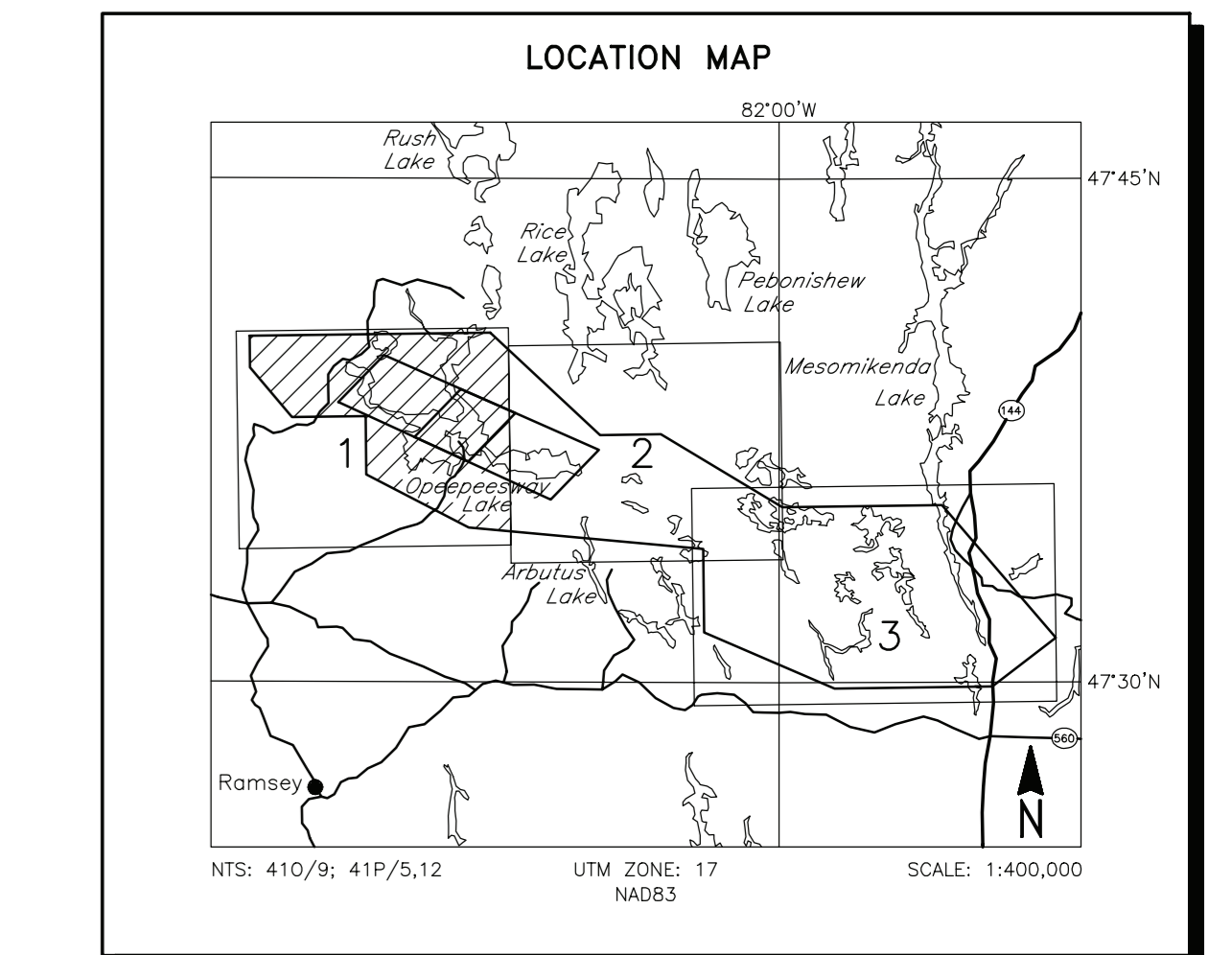
Interpretive symbol: B Bedrock conductor, D Narrow bedrock conductor (thin dike), S Conductive cover (horizontal thin sheet), H Broad conductive rock unit, deep conductive weathering, thick conductive cover (thick space), E Edge of broad conductor (edge of half space), L Culture, e.g. power line, metal building or fence

### FLIGHT LINES WITH EM ANOMALIES

Flight 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)

### RESISTIVITY CONTOURS

Contours in ohm-m at 10 intervals per decade. Apparent resistivity calculated using a pseudo-layer half-space model (Frasier 1976).



## AUGEN GOLD CORP.

### GOGAMA AREA, ONTARIO

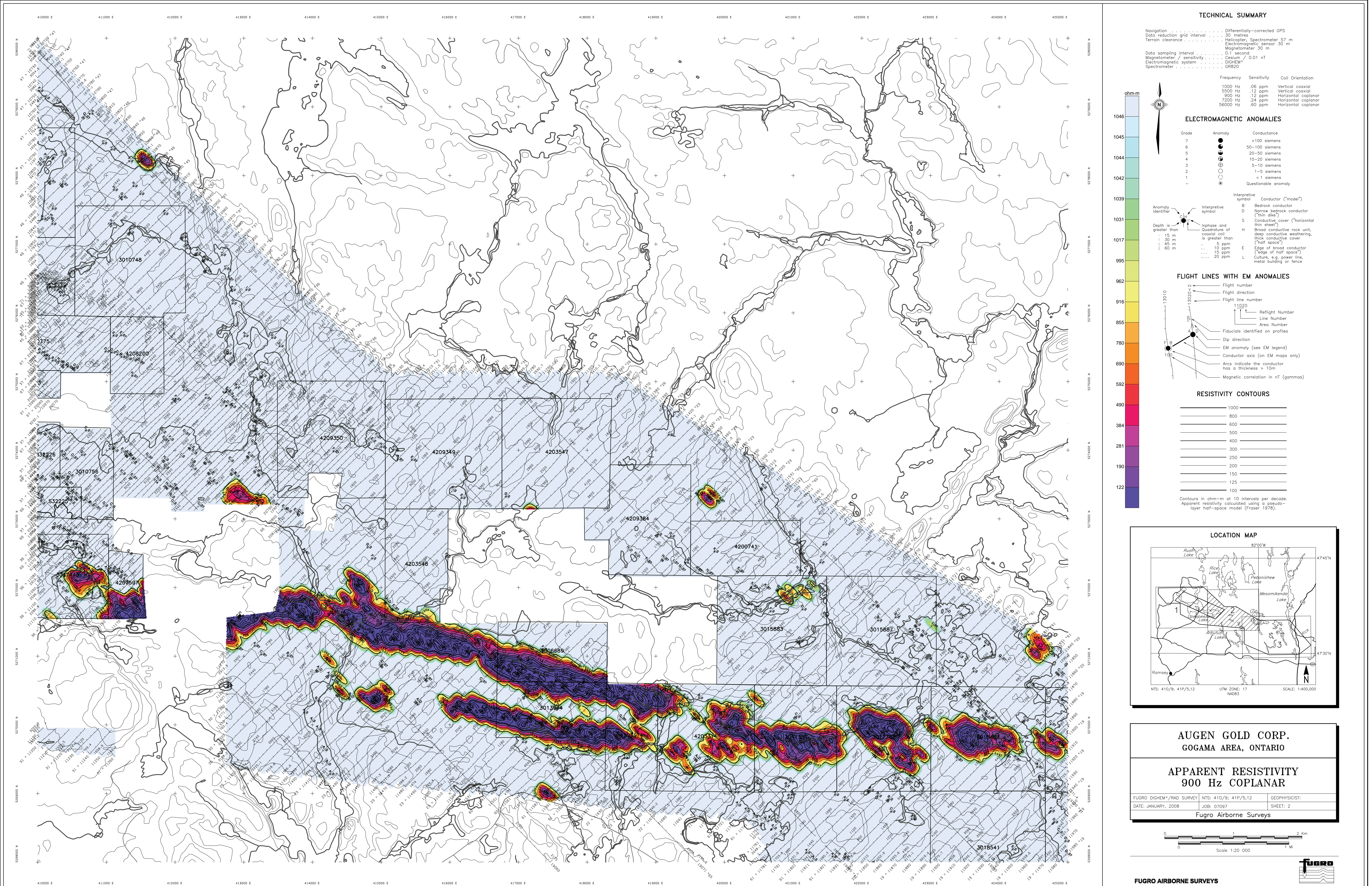
## APPARENT RESISTIVITY 1000 Hz COAXIAL

FUGRO DIGHEM/RAD SURVEY	NTS: 410/9; 41P/5,12	GEOPHYSICIST:
DATE: JANUARY, 2008	JOB: 07097	SHEET: 1

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FUGRO AIRBORNE SURVEYS





**TECHNICAL SUMMARY**

Navigation	Differentially-corrected GPS
Data reduction grid interval	30 metres
Terrain clearance	Helicopter, Spectrometer 5.7 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	DIGHEM
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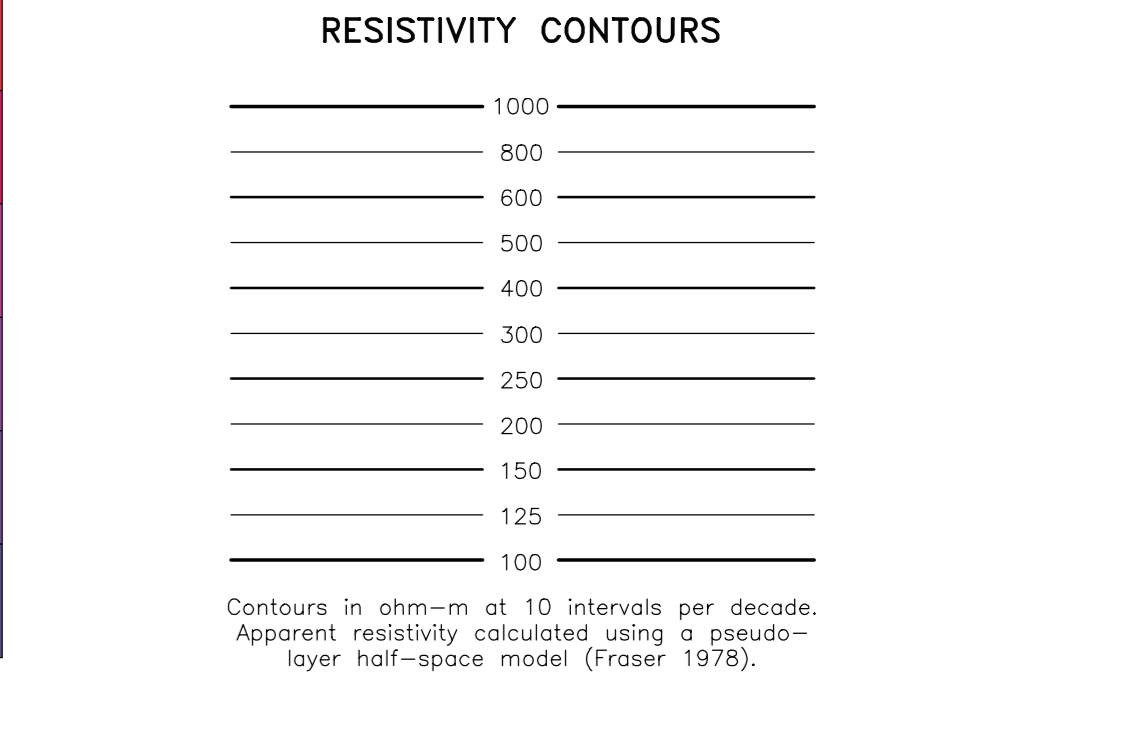
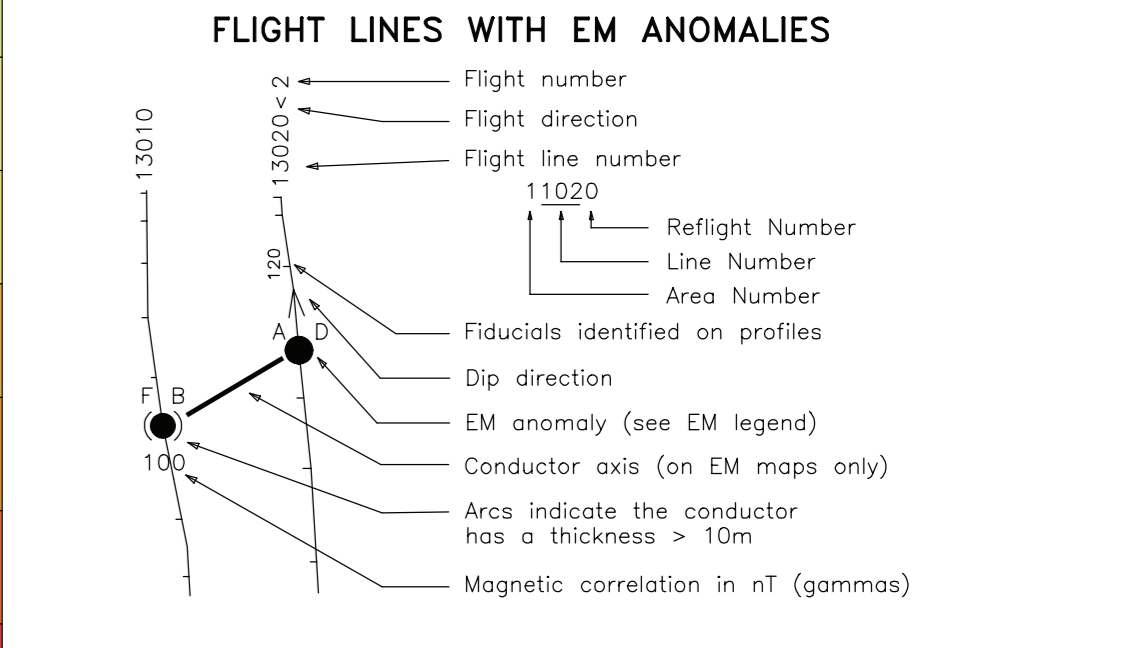
**ELECTROMAGNETIC ANOMALIES**

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

**FLIGHT LINES WITH EM ANOMALIES**

Interpretive symbol

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 ("thick space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence



**AUGEN GOLD CORP.**  
GOGAMA AREA, ONTARIO

**APPARENT RESISTIVITY**  
900 Hz COPLANAR

FUGRO DIGHEM/RAD SURVEY	NTS: 410/9; 41P/5,12	GEOPHYSICIST:
DATE: JANUARY, 2008	JOB: 07097	SHEET: 2

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