

Appendix DA98-02

Geophysical Survey Specifications

2.2.2 Airborne Magnetic & Radiometric Surveys

During July, 1998 UTS conducted a detailed airborne magnetic and radiometric survey totaling 4031 line km, with the following specifications:

Line Spacing:	50m
Line Direction:	090 - 270
Tie Line Spacing:	500m
Tie Line Direction:	000 - 180
Survey Height:	25m
Survey Date:	July, 1998
Aircraft Type:	Fletcher FU24-950
Magnetometer:	Scintrex Cesium CS2
Sample Rate:	0.1sec / 4-5m
Spectrometer:	Exploranium GR-820
Sample Rate:	1 sec / 40-50m
Data Position:	Real Time Differential GPS
GPS Type:	Novatel 951R, 12 channel
Radar Altimeter:	King KRA405
Diurnal Magnetometer:	Scintrex Envi-mag
Sample Rate:	5 sec
Data Supplied:	Magnetics, Radiometric and DTM (Digital Terrain Model)

2.2.3 Geoterrex DIGHEM Survey

During August, 1998 a heli-borne electromagnetic survey was conducted by Geoterrex DIGHEM Pty. Ltd. (Internet*) totaling 1,400 line km. Specifications for the survey are:

Line Spacing:	100m
Line Direction:	090 - 270
Tie Line Spacing:	3000m
Tie Line Direction:	000 - 180
Terrain Clearance of Sensor:	30m
Survey Date:	August, 1998
Electromagnetic System:	Dighem Vres
Navigation:	Ashtech/Racal GPS positioning
Data Sampling Interval:	.1s

Frequency (Hz)	Sensitivity (ppm)	Coil Orientation
380	.1	Horizontal Coplanar

1400	.1	Horizontal Coplanar
6200	.3	Horizontal Coplanar
25000	.4	Horizontal Coplanar
102000	.4	Horizontal Coplanar

2.2.4 Ground Radiometric Surveys

During the 1998 field season anomalous radioactivity within sandstone was identified at two new prospects subsequently named Writer and Spectre. To aid geological mapping and targeting small spectrometer surveys were conducted over each of the two prospects. Specifications for the surveys were:

Surveyed By: Cameco Australia Pty. Ltd.
Date: September, 1997

Spectrometer: Exploranium GR-320
Detector: Exploranium GPX-21
Crystal Size: 21 cu.ins (.351) Sodium Iodide
Sample Integration: 30s
Grid Line Spacing: 100m
Station Spacing: 10m

Geodetic Datum: AGD84
Map Projection: TMAMG53