

SURVEY DETAILS

Survey Equipment

Helicopter	:	Eurocopter Squirrel BA. VH-HHO.
Towed Array	:	REPTM TX / RX structure.
Transmitter	:	Geosolutions proprietary REPTM transmitter.
Receiver	:	Geosolutions proprietary REPTM receiver. 24 bit A-D sampling at 1.25 microseconds.
Transmitter area	:	Single turn of 412 square metres.
Receiver area	:	Single turn of 138 square metres.
Power system	:	24 HP Honda V-twin alternator system.

Survey Specifications

Flying Height	:	120 feet (35 metres) depending upon terrain.
Line Direction	:	North / South
Line Spacing	:	200 metres.
Survey Speed	:	55 Knots - Indicated Air Speed.
Sample Interval	:	50 per Second.
Map Datum	:	GDA 94.

Survey Resolutions

ATDEM data	:	Windowed to 23 channels and resampled to 10m across ground.
Laser Altimeter	:	10 centimetre resolution sampled 80 times per second.

Data Processing

Airborne TDEM Data	:	Geosolutions proprietary airborne geophysical survey data processing package.
Navigation Data	:	Geosolutions proprietary airborne geophysical survey data processing package.