

AIRBORNE SURVEY SPECIFICATIONS

Acquisition: Geolnstruments (Job #2107)
Survey date: September 2001
Traverse line spacing: 100 metres
Traverse line direction: 000 / 180 degrees
Tie line spacing: 1000 metres
Tie line direction: 90 / 270 degrees
Survey height: EM towed Bird at 30m agl
Aircraft: Squirrel helicopter

EM System: Geotech Hummingbird
5 frequency towed bird system
Geolnstruments Model G2002

Coil Specifications: 1 2 3 4 5

Freq (Hz) : 7000 6600 980 880 34000
Orientation : CX CP CX CP CP
Coil Separation (m) : 6.26 6.26 6.01 6.01 4.93

Magnetometer System: Geometrics G822A Caesium vapour
Resolution: 0.001 nT
Recording interval: 0.1 sec (approx. 3.5 metres sampling)
Installation: Magnetometer sensor mounted in HEM bird.

Flight path navigation: Real time satellite

Differential GPS system

Navigation equipment: Fugro OMNISTAR GPS receivers

Flight path record: WGS84 Easting/ Northing coordinates

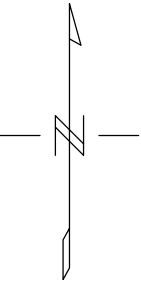
Radar altimeter: Collins Alt50

GPS base station locations: Fugro OMNISTAR(Real Time DGPS)

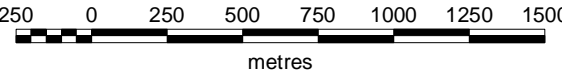
EM DATA PROCESSING

All data processing completed by Geolnstruments (Job #2107).
The electromagnetic data has been filtered to remove the effects of
sterics and other noise sources. Data has been corrected for system
drift by subtraction of background zero levels determined from high
altitude calibration data. System parallax has been removed.
Inphase and quadrature channels have been levelled to remove residual
flight line features in apparent resistivities. Microlevelling has
been applied. Apparent resistivities have been calculated using
the Geosoft HEM module INVERSION technique.

RIO
TINTO



Scale 1:25000



RIO TINTO EXPLORATION PTY LIMITED

McArthur Diamonds
EL9058 Nimue

Apparent Resistivity Image for
6600Hz Coplanar Data

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Drawn: TW GRANT File: WAp45181

Date: June 2002 Report: 25473

Scale: 1:25 000 Plan: WAp45181