



Rio Tinto Exploration Pty. Limited

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Final Report
EL24304 Walker River 2,
SD5307 Blue Mud Bay,
Northern Territory

Exploration Report No. 27639

Tenement Holder:	Rio Tinto Exploration Pty Limited
Date:	July 2006
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SUMMARY OF ACTIVITIES

1 SUMMARY

Exploration Licence (EL) 385 was applied for in 1972 by CRA Exploration Pty Limited (CRAE). Partial consent of the application area resulted in the granting of two separate licences (ELs 385 & 24304) in June 2004. The tenements are located approximately 180 km south-west of Nhulunbuy, and 80 km north of Numbulwar in south east Arnhem Land and consequently are processed under the Aboriginal Land Rights Act 1975 (ALRA).

The tenement was considered prospective for base metal mineralisation, similar to that at McArthur River (HYC) in the McArthur Basin. Subsidiary targets are diamonds and bauxite. The tenements contain McArthur Group equivalent sediments adjacent to the eastern margin of the Walker Trough. McArthur Group sediments are host to the McArthur River (HYC) lead-zinc deposit located approximately 300 km to the south.

Exploration completed during the current reporting period was directed at locating a bauxite deposit and has comprised:

- Auger Drilling (4 holes)

Results did not identify any anomalous metal levels or bauxite in any of the samples.

VERIFICATION LISTING

Exploration Work Type	File Name	Format
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	27639 Walker River 2 WAp46091	.pdf .pdf
Other (specify)	27359 Walker River MMP WAp46324	.pdf .pdf
Airborne Exploration Surveys		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
Other (specify)		
Ground Exploration Surveys		
Geological Mapping		
Regional		
Reconnaissance		
Prospect		
Underground		
Costean		
Ground Geophysics		
Radiometrics		
Magnetics		
Gravity		
Digital terrain modelling		
Electromagnetics		
SP/AP/EP		
IP		
AMT		
Resistivity		
Complex resistivity		
Seismic reflection		
Seismic refraction		
Well logging		
Geophysical interpretation		
Other (specify)		
Geochemical Surveying		
Drill sample		
Stream sediment		
Soil		
Rock chip		
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis		
Other (specify)		
Drilling		
Aircore		
Auger	EL24304_2006_A_02_drillcollars.txt EL24304_2006_A_03_lithology.txt EL24304_2006_A_04_downholegeochem_XRF.txt EL24304_2006_A_05_downholegeochem_ICP.txt WAp46602	.txt .txt .txt .txt .pdf
Diamond		
Reverse circulation		
Rotary air blast		
Rotary percussion		
Tungsten carbide bit (coring)		
Groundwater drilling		
All drilling		
File Verification Listing (this table)	27639 Walker River 2 V	.pdf

