



Rio Tinto Exploration Pty. Limited

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A member of the Rio Tinto Group

Annual Report
For the Period 9 June 2007 to 8 June 2008
EL385 Walker River
SD5307 Blue Mud Bay
Northern Territory

Exploration Report No. 28352

Tenement Holder:	Rio Tinto Exploration Pty Limited
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SUMMARY OF ACTIVITIES

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 180km south-west of Nhulunbuy, and 80km north of Numbulwar in south east Arnhem Land and consequently are processed under the Aboriginal Land Rights Act 1975 (ALRA). EL 24304 was relinquished in full on the 4 May 2006. EL 385 has undergone three relinquishments and is now 12% of the original granted area.

The tenements are considered prospective for base metal mineralisation, similar to that at McArthur River (HYC) in the McArthur Basin. Subsidiary targets are diamonds. 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 300km to the south.

Exploration completed during the current reporting period included tenement access, mapping, soil sampling, stream sediment sampling, rock chip sampling and data reviews.

VERIFICATION LISTING

Exploration Work Type	File Name	Format
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	EL385_Walker River_Annual	.pdf
Other (specify)	pZn08_007 (Tenement Location Plan) AER1251BJA07 (Environmental Report)	.pdf .pdf
Airborne Exploration Surveys		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
Ground Exploration Surveys		
Geological Mapping		
Regional		
Reconnaissance	pZn08_004	.pdf
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	WalkerRiver_2007_A_03_stream_sediment_geochemistry.txt pZn08_005	.txt .pdf
Soil	WalkerRiver_2007_A_01_soil_sample_geochemistry.txt pZn08_006	.txt .pdf
Rock chip	WalkerRiver_2007_A_02_rock_chip_geochemistry.txt pZn08_005	.txt .pdf
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis		
Other (specify)		
Drilling		
Aircore		
Auger		
Diamond		
Reverse circulation		
Rotary air blast		
Rotary percussion		
Tungsten carbide bit (coring)		
Groundwater drilling		
All drilling		
File Verification Listing (this table)	28352 Walker River V.pdf	.pdf