



## **Rio Tinto Exploration Pty. Limited**

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Annual Report  
For the Period 9 June 2008 to 8 June 2009  
EL385 Walker River  
SD5307 Blue Mud Bay  
Northern Territory

### **Exploration Report No. 28568**

Tenement Holder:	Rio Tinto Exploration Pty Limited
Date:	July 2009
Author:	G. Hartshorn
Submitted:	G Rheinberger
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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 period included a review of the previous year's data and a consultation meeting on the surrounding moratorium area ELA 24305. The consultation meeting led to the area being returned to Moratorium.

**VERIFICATION LISTING**

Exploration Work Type	File Name	Format
<b>Office Studies</b>		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	EL385_Walker River_Annual	.pdf
Other (specify)	pZn09_001 (Tenement Location Plan)	.pdf
<b>Airborne Exploration Surveys</b>		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
<b>Remote Sensing</b>		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
<b>Ground Exploration Surveys</b>		
<b>Geological Mapping</b>		
Regional		
Reconnaissance		
Prospect		
Underground		
Costean		
<b>Ground Geophysics</b>		
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)		
<b>Geochemical Surveying</b>		
Drill sample		
Stream sediment		
Soil		
Rock chip		
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis		
Other (specify)		
<b>Drilling</b>		
Aircore		
Auger		
Diamond		
Reverse circulation		
Rotary air blast		
Rotary percussion		
Tungsten carbide bit (coring)		
Groundwater drilling		
All drilling		
<b>File Verification Listing (this table)</b>	28568 Walker River V.pdf	.pdf