



Rio Tinto Exploration Pty. Limited

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Partial Relinquishment Report for the Period ending 14th September 2010

EL 4171 Cato River,
Gove Special SD5304,
Northern Territory

Exploration Report No. 28822

Tenement Holder: Rio Tinto Exploration Pty Limited

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RTX Perth Information Centre
BHP Billiton Minerals Exploration

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SUMMARY OF ACTIVITIES

This report covers the first relinquishment of EL 4171 which includes 110 blocks, or 53% relinquished. A remaining 96 blocks are to be retained for further exploration by Rio Tinto Exploration and joint venture partner, BHP Billiton. Exploration activity for the area relinquished from EL 4171 "Cato River" for the period of 12th September 2005 to 14th September 2010 is also summarized in this report.

During the 1960's, BHP Ltd. conducted an extensive exploration program over east Arnhem Land in search for manganese and secondly bauxite following the discovery of Groote Eylandt. During this exploration program, three drill holes were completed within the area of relinquishment on EL 4171.

Rio Tinto completed three air-core drill holes along a north-south trending track prepared for access to EL 4171 in 2007. Two air-core drill holes were completed by Rio Tinto Exploration on a south-west trending, pre-existing track between the Central Arnhem Road and the Dhalinybuy community. Results from the five holes were deemed non-bauxitic, with the highest value for Al₂O₃ being 29.9%. In a joint venture agreement with RTX, BHP Billiton has simultaneously explored the area of EL 4171 for manganese.

VERIFICATION LISTING

Exploration Work Type	File Name	Format
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	28822 EL4171_Relinquishment_Report_2010 pAI10_023 (EL4170 / EL4171 Location plan) pAI10_025 (EL 4171 Relinquishment map)	.doc .pdf .pdf
Other (specify)		
Airborne Exploration Surveys		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
Other (specify)		
Ground Exploration Surveys		
Geological Mapping		
Regional		
Reconnaissance		
Prospect		
Underground		
Coastal		
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		
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis		
Other (specify)		
Drilling		
Vacuum drilling		
Auger		
Diamond		
Reverse circulation		
Rotary air blast		
Rotary percussion		
Tungsten carbide bit (coring)		
Groundwater drilling		
All drilling	EL4171_2010_A_02_collar EL4171_2010_A_03_lithology EL4171_2010_A_04_sample	.txt .txt .txt
File Verification Listing (this table)	28822 Verification	.doc