



Rio Tinto Exploration Pty. Limited

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Fourth Annual Report (Combined Yambarra Project)
for the Period Ending 22 September 2006,
EL1638 Port Keats 1, EL1639 Port Keats 2,
EL1640 Keats, EL1641 Port Keats,
EL1923 Keats 2, EL1924 Cape Ford, EL3403 Barwolla,
EL3404 Fitzmaurice, EL3405 Anson, EL3406 Keyling,
EL6516 Tom Turners Creek,
EL6517 Cui-eci Creek, EL6551 Greenwood,
EL22218 Fitzmaurice 4,
Yambarra Project,
Northern Territory.

Exploration Report No. 27883

Tenement Holder:	Ashton Mining Limited
Date:	September 2006
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SUMMARY OF ACTIVITIES

This report describes exploration by Rio Tinto Exploration Pty Limited (RTE) within the Yambarra Project area during the period 23 September 2005 to 22 September 2006. The Yambarra Project is comprised of fourteen contiguous exploration licences EL1638 Port Keats 1, EL1639 Port Keats 2, EL1640 Keats, EL1641 Port Keats, EL1923 Keats 2, EL1924 Cape Ford, EL3403 Barwolla, EL3404 Fitzmaurice, EL3405 Anson, EL3406 Keyling, EL6516 Tom Turners Creek, EL6517 Cui-eci Creek, EL6551 Greenwood and EL22218 Fitzmaurice 4. The tenements are owned by Ashton Mining Limited and Ashton Operations Australia Limited ("Ashton"), subsidiaries of Rio Tinto Ltd. Work programmes on the project area are managed and operated by RTE.

The Yambarra tenement package is located approximately 200 km south west of Darwin on the Daly River/Port Keats Aboriginal Land Trust. The area covers portions of the Palaeoproterozoic Pine Creek Orogen, the Mesoproterozoic Victoria-Birrinduddu Basin and the Palaeozoic Bonaparte Basin.

No field-based exploration was completed during the current reporting period. Office-based interpretation of remote sensed data, including digital terrain images and TM scenes, concentrated on further refining and prioritizing bauxite exploration targets within the western coastal tenements in the project area. The eastern tenements are being farmed out to a third party.

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VERIFICATION LISTING

Exploration Work Type	File Name	Format
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	27883 Yambarra	.pdf
Other (specify)		
Airborne Exploration Surveys		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT	WAp46477	.pdf
SPOT		
MSS		
Radar	WAp46477	.pdf
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		
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)	27883 Yambarra V	.pdf

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