



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

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Partial Surrender Report,  
for the Period Ending 22<sup>nd</sup> August 2005  
EL 1640 Keats  
Yambarra Project,  
Northern Territory.

**Exploration Report No. 27530**

Tenement Holder:	Rio Tinto Exploration Pty Limited
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Distribution:	Department of Primary Industry, Fisheries & Mines RTE Perth Information Centre

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## **SUMMARY OF ACTIVITES**

Exploration Licence (EL) 1640 Keats was applied for by Ashton Mining Limited and Ashton Operations Australia Limited (“Ashton”) in June 1977. This EL formed part of the Yambarra Project that was primarily focused on diamond exploration. The tenement is located approximately 230 km south west of Darwin on the Daly River / Port Keats Aboriginal Land Trust and consequently are processed under the Aboriginal Land Rights Act 1975 (ALRA).

This partial surrender report describes the exploration completed up to the 22<sup>nd</sup> of August 2005. This is the first relinquishment with a total of 178 sub blocks relinquished and 178 sub blocks retained.

The tenement covers parts of the Palaeozoic Bonaparte Basin. Various degrees of weathering and lateritisation have occurred in the region.

No on-ground exploration was completed on the surrendered blocks. Exploration activities focused on reviewing data from the broader Yambarra Diamond Project and reviewing remote sensed data, including digital terrain images and TM scenes to identify areas of potential for bauxite.

**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	27530 Keats	.pdf
Other (specify) (Location plan)	Wap46376 27530 EL1640 Metadata Form	.pdf .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		
Other (specify)		
<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>	27530 Keats V	.pdf

