



## **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 September 2006, EL 3404 Fitzmaurice, Yambarra Project, Northern Territory**

**Exploration Report No. 27983**

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## 1. **SUMMARY**

This report presents the exploration completed by Rio Tinto Exploration Pty Limited (RTE) within the surrendered portion of EL 3404 Fitzmaurice up until 22 September 2006. A total of 74 sub-blocks were surrendered in the far south of EL 3404.

The Yambarra project area covers parts of the Palaeoproterozoic Pine Creek Orogen, the Mesoproterozoic Victoria – Birrinduddu Basin and the Palaeozoic Bonaparte Basin.

Exploration completed within the surrendered portion of EL 3404 by RTE was as follows:

- Eleven 30kg -1mm gravel samples processed for microdiamonds and indicator minerals.
- Eleven -80# stream sediment samples analysed for a comprehensive multielement suite.

The exploration results provided no encouragement for follow up work in the area surrendered.

**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	27983 Fitzmaurice.pdf	.pdf
Other (specify)	pDi07_003 Tenement Location Plan pDi07_004 Exploration Index Map D148LSJ07 Partial Surrender EL 3404 map	.pdf .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	Yam_NTSG3_DGLocated2006A Yam_NTSG3_Indicator2006A Yam_NTSG3_Stream2006A	.txt .txt .txt
Soil		
Rock chip		
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis	Yam_NTSG3_SEM2006A.txt Yam_NTSG3_SEMSGA2006A.txt Yam_NTSG3_Traceelement2006A.txt	.txt .txt .txt
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>	27983 Fitzmaurice V	.pdf

