

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 1638 Port Keats 1,
Yambarra Project
Northern Territory

Exploration Report No. 27980

Tenement Holder: Ashton Mining Limited

Date: February 2007

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Submitted: D C Palmer

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RTE Perth Information Centre

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1. **SUMMARY**

This report presents the diamond exploration completed by Rio Tinto Exploration Pty Limited (RTE) within the surrendered portion of EL 1638 Port Keats 1, Yambarra Project, Northern Territory, up until 22 September 2006. A total of 105 sub-blocks were surrendered in the far south of EL 1638.

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 1638 by RTE was as follows:

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

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

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VERIFICATION LISTING

	VERIFICATION LISTING	
Exploration Work Type	File Name	Format
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	27980 Port Keats 1	.pdf
	pDi07_003 Tenement Location Plan	.pdf
Other (specify)	pDi07_004 Exploration Index Map	.pdf
	D146LSJ07 Partial Surrender EL 1638 map	.pdf
Airborne Exploration Surveys		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
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	Yam_NTSG3_DGLocated2006A	tvt
Stream sediment	Yam_NTSG3_DGL0cated2006A Yam_NTSG3_Indicator2006A	.txt .txt
	Yam_NTSG3_Stream2006A	.txt
Soil		
Rock chip		
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
	Yam_NTSG3_SEM2006A	.txt
Mineral analysis	Yam_NTSG3_SEMSGA2006A	.txt
•	Yam_NTSG3_Traceelement2006A	.txt
Other (specify)		
Drilling		
Aircore		
Auger		
Diamond		
Reverse circulation		
Rotary air blast		
Rotary percussion		
Tungsten carbide bit (coring)		
Groundwater drilling		
All drilling		<u> </u>
	27090 Port Koats 1 \/	ndf
File Verification Listing (this table)	27980 Port Keats 1 V	.pdf

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