



Rio Tinto Exploration Pty. Limited

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Final Report,
for the Period Ending 5th July 2005
EL 1925 Dombey
Yambarra Project,
Northern Territory.

Exploration Report No. 27638

Tenement Holder:	A O Australia Limited (Rio Tinto Exploration Pty Limited – parent company)
Date:	June 2006
Author:	K Fry
Submitted:	I M Clementson
Distribution:	Department of Primary Industry, Fisheries & Mines RTE Perth Information Centre

This report and its contents are confidential. All rights to the report and its contents (including, without limitation, rights to confidential information and copyright in all works (including photographs, diagrams, charts, maps and graphs) comprised in the report) remain the property of Rio Tinto Exploration Pty. Limited. No part of this report or the information contained in it may be disclosed to any person without the consent of Rio Tinto Exploration Pty. Limited. No part of this report, or the information contained in it may be reproduced (including being stored in any form), transmitted, published or used for any purpose without the prior consent of Rio Tinto Exploration Pty. Limited.

1 SUMMARY

Exploration Licence (EL) 1925 Dombey was applied for by Ashton Mining Limited and Ashton Operations Australia Limited (“Ashton”) in September 1978. EL 1925 was granted on the 28th July 2003. This EL formed part of the Yambarra Project that was primarily focused on diamond exploration. During desktop review following the EL being granted it was considered that EL 1925 was more prospective for bauxite than for diamondiferous kimberlite / lamproite. The tenement is located approximately 185 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 final report describes the exploration completed up to the 5th of July 2005.

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 within this tenement. 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
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	27638 Dombey	.pdf
Other (specify) (Location plan)	WAp46593	.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		
Stream sediment		
Soil		
Rock chip		
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)	27638 Dombey v	.pdf

