



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

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Fourth and Final Annual Report  
for the Period Ending 2<sup>nd</sup> June 2006 for  
EL 10103 Warramana, EL 10317 Yalco  
and EL 10329 Yalco 1,  
McArthur Base Metals Programme,  
Bauhinia Downs SE5303 and Mt Young SD5315,  
Northern Territory

**Exploration Report No. 27643**

Tenement Holder: North Mining Limited

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RTE Perth Information Centre

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## **SUMMARY OF ACTIVITIES**

This report is the fourth and final exploration report for exploration licences EL 10103 Warramana, EL 10317 Yalco and EL 10329 Yalco 1, located within the McArthur Basin of northern Australia, approximately 25 km northwest of Borroloola, on the Bauhinia Downs and Mt Young 1:250,000 map sheets, Northern Territory.

North Mining Limited (North) and Anglo American Exploration (AAE) signed the Batten Trough Farm In and Joint Venture Agreement that includes EL 10103, EL 10317 and EL 10329, on 29<sup>th</sup> September 2003. AAE withdrew from the joint venture and handed the tenements back to North on 24<sup>th</sup> March 2006. North relinquished EL 10103, EL 10317 and EL 10329 on 2<sup>nd</sup> June 2006.

Exploration completed for the year ending 2<sup>nd</sup> June 2006 consisted of the following:

- A review of all available exploration data by Rio Tinto Exploration Pty Limited (RTE) failed to identify any new exploration targets worthy of additional follow up work.
- Final Rehabilitation Report on rehabilitation activities carried out by RTE in 2002.

Four years of exploration activities by North/RTE and AAE did not identify any significant Zn-Pb-Ag mineralisation within EL 10103, EL 10317 and EL 10329.

No further rehabilitation is required by North in respect of activities undertaken within the tenements.

There are no remaining exploration targets for large Zn-Pb-Ag deposits within EL 10103, EL 10317 and EL 10329 that provide sufficient encouragement for further exploration expenditure by RTE. Consequently, the tenements were relinquished by North.

**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                            | 27643 Warramana Yalco.pdf  | pdf                          |
| Other (specify)                               | WAp45702.pdf (Tenement Location Plan)  | 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                                  | 27543 Batten Trough FFR .pdf<br>WAp46483.pdf<br>WAp46484.pdf<br>WAp45707.pdf | .pdf<br>.pdf<br>.pdf<br>.pdf |
| <b>File Verification Listing (this table)</b> | 27643 Warramana Yalco V.pdf  | .pdf                         |

