



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

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Annual Report  
For the Period 1 December 2010 to 30 November 2011  
EL 25395 Jandapa 1 –  
SD5303 Arnhem Bay  
Northern Territory

**Exploration Report No. 29194**

|                  |  |
|------------------|--|
| Tenement Holder: | Rio Tinto Exploration Pty Limited  |
| Date:            | December 2011  |
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| Submitted:       | G Rheinberger  |
| Distribution:    | Department of Primary Industry, Fisheries and Mines, NT<br>RTX Perth Information Centre<br>Territory Uranium |

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## 1. SUMMARY OF ACTIVITIES

The Jandapa Hill Project consists of two granted Exploration Licences, EL 25395 and EL 27591, granted on 01/12/2009 and ELA 27592 under the name Territory Uranium Company Ltd. Rio Tinto Exploration is the operator under an option agreement with Territory Uranium to conduct exploration on the project for bauxite. This report covers activities on the tenement EL 25395, Jandapa 1 and does not include activities on EL 27591, Jandapa 2. Combined reporting will be sort for this project for the next period.

This is the second annual report for the tenement.

The approved field exploration programme is still in dispute due to unresolved access issues over the key target areas. Informal discussions held by the NLC with the regard to the disputed area did not indicate any easy resolution.

A work programme meeting was scheduled for the 27<sup>th</sup> July to re-assess the current programme however due to a variety of reasons this meeting could not be held.

No field work was conducted during the reporting period.

## 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  | 29194 Jandapa 1<br>pAI10_004<br>pAI10_001<br>JandapaHill_MMP | .pdf<br>.pdf<br>.pdf<br>.pdf |
| Other (specify)<br>Environmental Management Plan<br>Final Rehabilitatio |  |                              |
| <b>Airborne Exploration Surveys</b>                                     |  |                              |
| Aeromagnetics   |  |                              |
| Radiometrics  |  |                              |
| Electromagnetism  |  |                              |
| 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  |  |                              |

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|   |                 |      |
|---|-----------------|------|
| 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> | 29194 Jandapa 1 | .pdf |