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Operator	Territory Iron Pty Ltd
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Mine / Project Details	Rum Jungle
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TERRITORY IRON PTY LIMITED A.C.N. 125 984 401

ANNUAL TECHNICAL REPORT ELR125

For The Period 23^{rd} August $2015-22^{nd}$ August 2016

Darwin SD52-04 1:250,000 Geological Map Sheet Bynoe 5072 1:100,000 Geological Map Sheet

NORTHERN TERRITORY

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SUMMARY

This report describes exploration activities conducted by operator Territory Iron Pty Ltd at the Rum Jungle (Yarram) Project area which is partially located within ELR125 for the period 23rd August 2015 to 22nd August 2016. ELR125 is currently held by Compass Resources Limited (100%) and the tenement is part of a portfolio in which ownership is 50/50 with HNC Australia Resources Pty Ltd.

ELR125 is located about 8 km NW of Batchelor and 61 km SSE of Darwin in the Northern Territory and covers 1427.9 hectares. The Yarram Project Area covers an approximate 2.1 km² area over tenements ELR125, ELR146 and MLN1163, and is subject to an agreement between Territory Iron Pty Ltd and tenement owners Compass Resources Ltd (90%) and Guardian Resources Ltd, (10%) whereby Territory Iron has the right, subject to certain royalty terms, to explore, mine and purchase iron ore from the title holders.

Exploration activities during the reporting year included desktop studies to evaluate the iron ore potential and earthworks and rehabilitation of earlier drill sites. . A site audit was undertaken in 2015 to assess and evaluate the status of regrowth over drill sites and tracks on ELR125 and surrounding tenure.

Expenditure for the reporting period was \$10,831.

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1.0 Introduction, Location and Access

This report describes exploration activities conducted by operator Territory Iron Pty Ltd at the Rum Jungle (Yarram) project area within tenement ELR125 during the reporting period 23rd August 2015 to 22nd August 2016. The tenement is part of a portfolio in which ownership is 50/50 with HNC Australia Resources Pty Ltd.

The Yarram Project Area includes portions of ELR125, ELR146 and MLN1163 and is subject to an agreement between Territory Iron Pty Ltd and tenement owners Compass Resources Ltd (90%) and Guardian Resources Ltd, (10%) whereby Territory Iron has the right, subject to certain royalty terms, to explore, mine and purchase iron ore from the title holders.

The Yarram Project Area is located approximately 9 km NW of the township of Batchelor in the Rum Jungle Mineral Field and 61 km SSE of the city of Darwin in the Northern Territory, Figure 1. All weather road access is approximately 8 km via the Batchelor - abandoned Rum Jungle Uranium Mine access sealed road; then 1.3 km along White Road (gravel) for 1.3 km to the west.

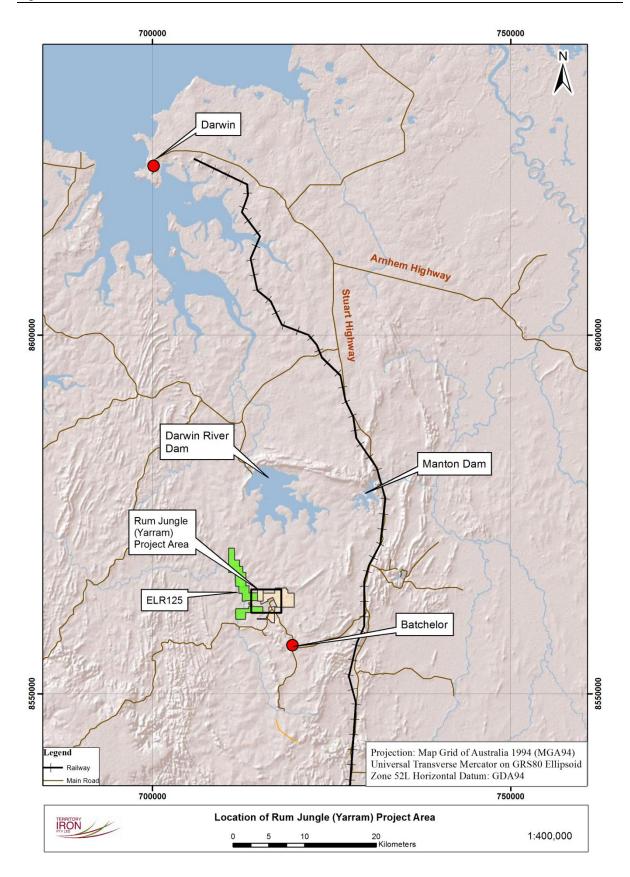


Figure 1: Location Map of Rum Jungle (Yarram) Project with ESRI world shaded relief defining background topographic elevation. The black rectangle highlights the approximate location of the Rum Jungle Project Area (not to scale). The green polygon represents ELR125 and beige polygons represent adjacent Compass Resources and Guardian Resources tenure which form part of the project area

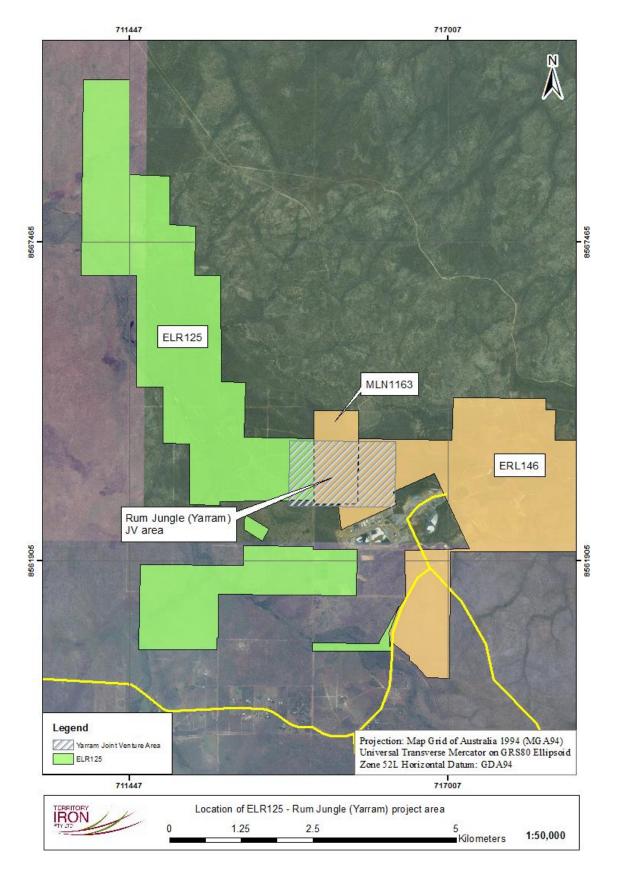


Figure 2: Location map of the Rum Jungle (Yarram) project area (hatched) and ELR125. The tan polygons represent the extension of MLN1163 and ERL146 which make up part of the project area. ESRI world satellite imagery defines background relief.



Figure 3: Detail of Rum Jungle (Yarram) project area (hatched) and ELR125. ESRI world satellite imagery defines background relief.

2.0 TENURE

2.1 TENURE AND MINERAL RIGHTS

ELR125 is currently held by Compass Resources Limited (100%). The tenement is part of a portfolio in which ownership is 50/50 with HNC Australia Resources Pty Ltd. It covers 1,427.9 hectares, and was granted on the 23rd August 1993.

The Yarram Project Area includes portions of ELR125, ELR146 and MLN1163 and is subject to an 'Heads of Agreement' between Territory Iron Pty Ltd and tenement owners Compass Resources Ltd (90%) and Guardian Resources Ltd, (10%) whereby Territory Iron has the right to explore and mine iron ore.

3.0 GEOLOGY

3.L: REGIONAL GEOLOGY

The Rum Jungle (Yarram) project area is located within the Palaeoproterozoic Pine Creek Orogen which forms part of the North Australian Craton. The Pine Creek Orogen covers an area of ~50,000 km2 and represents a >4 km succession of carbonate, clastic and carbonaceous sedimentary and volcanic rocks, which unconformably overlie Neoarchaean (~2500 Ma) basement granite and gneiss. Based on the timing of sedimentation, magmatism and metamorphism, the Pine Creek Orogen has been divided into three distinct domains, from west to east; the amphibolite to granulite facies Litchfield Domain, the greenschist facies Central Domain and the amphibolite facies Nimbuwah Domain. The Frances Creek mine site and adjacent exploration area is located within the Central Domain.

In the Central Domain, the oldest rocks in the region are the Dirty Water and Stanley Metamorphics which stratigraphically underlie Neoarchaean 2674 Ma Woolner Granite and 2545–2520 Ma, Rum Jungle Complex respectively. The Rum Jungle Complex is comprised of the Rum Jungle and Waterhouse domes. Overlying Palaeoproterozoic stratigraphy include the ~2020 Ma Woodcutters Supergroup (Namoona Group, (Masson Formation) Manton Group (Beestons Formation and Celia Dolostone) and Mount Partridge Group (Crater Formation, Coomalie Dolostone, Whites Formation) Mundogie Sandstone, Wildman Siltstone, Acacia Gap Quartzite Member, Mount Deane Volcanic Member), Ahmad and McCready, 2001). These are unconformably overlain by the ~ 1860 Ma Cosmo Supergroup (South Alligator Group, (Koolpin Formation, Gerowie Tuff and Mount Bonnie Formation) and Finniss River Group, Burrell Creek Formation, Chilling Sandstone). The stratigraphy was intruded by the Zamu Dolerite.

Syn- to post-orogenic activity is represented by intrusion of the 1835-1800 Ma Cullen Supersuite granitoids. Intrusion of the granite led to contact aureoles in the surrounding pre-orogenic Masson Formation, Mundogie Sandstone and Zamu Dolerite.

Two major episodes of folding are recognised, earlier tight to isoclinal F1 folds followed by younger open (widely spaced) folds (Stuart-Smith *et al.*, 1987). The major structural controls in the tenement area are related to D3 1-3 km scale northwest-trending non-cylindrical folds, which plunge gently to the northwest to form a series of anticlines and synclines pre-dating the intrusion of the Cullen Supersuite, and 1-3 km long northwest and northeast-trending faults.

3.2: Local Geology and Mineralisation

In the project area (Figure 4) the Rum Jungle Complex Neoarchaean granite and gneiss is unconformably overlain by the Beestons Formation (Manton Group), which is comprised of a coarse, poorly sorted, feldspathic sandstone overlain by a thin, vein quartz pebble conglomerate (Ahmad *et al* 2006). Unconformably overlying the Beestons Formation is the poorly outcropping Celia Dolostone (Manton Group), a silicified dolostone, dolostone or stromatolitic magnesite.

The Manton Group stratigraphy is unconformably overlain by the Mount Partridge Group, including the basal Crater Formation, which is a poorly sorted conglomerate/sandstone unit, consisting of clasts of pebble- to boulder-sized hematitic banded ironstone and vein quartz in a quartz-hematite matrix, overlain by a well-sorted, arkosic coarse sandstone (Ahmad *et al* 2006). Conformably overlying the Crater Formation is the poorly-outcropping Coomalie Dolostone. The Coomalie Dolostone is composed of stromatolitic magnesite and dolostone, with minor interbedded units fo calcareous metapelite and para-amphibolite (Ahmad *et al*, 2006). It is this unit (sub-surface) that the Rum Jungle (Yarram) project is located over, Figure 3. The Whites Formation conformably overlies and interfingers with the Coomalie Dolostone and is conformably overlain by the Wildman Siltstone (finely laminated argillite and shale) containing the Acacia Gap quartzite member and the Mt Dean Volcanics para amphibolite member.

Around the southern margin of the Rum Jungle Complex, the Geolsec Formation sedimentary strata unconformably overlie the Coomalie Dolostone. It is a hematitic quartzite breccia (HQB), including hematitic sandstone, siltstone and mudstone, with rare shale breccia. The siltstone is phosphate rich with microcrystalline fluroapatite ($Ca_{10}(PO_4)_6F_2$) associated with hematitic siltstone. Contemporaneous development of the phosphatic siltstone and breccia suggest the breccia may have been deposited into a shallow marine environment (Lally 2002).

Multiple folding and faulting events affected Pine Creek Orogen rocks from 1880-1760 Ma. Early northwest-directed thrusts were overprinted by tight to isoclinal north-trending folds, accompanied by upper greenschist-facies metamorphism. Open folding and kinking was the distal expression of granite emplacement to the east and southeast. Retrograde lower greenschist-facies metamorphism accompanied regional-scale, northwest-trending strike-slip faulting. Multiple deformation events are recorded in the Rum Jungle Mineral field.

The major structural feature in the Rum Jungle area is the >200 km Giants Reef Fault, Figure 3. The Giants Reef Fault is a major northeast-trending dextral strike-slip fault which has undergone vertical and horizontal displacement, Figure 4.

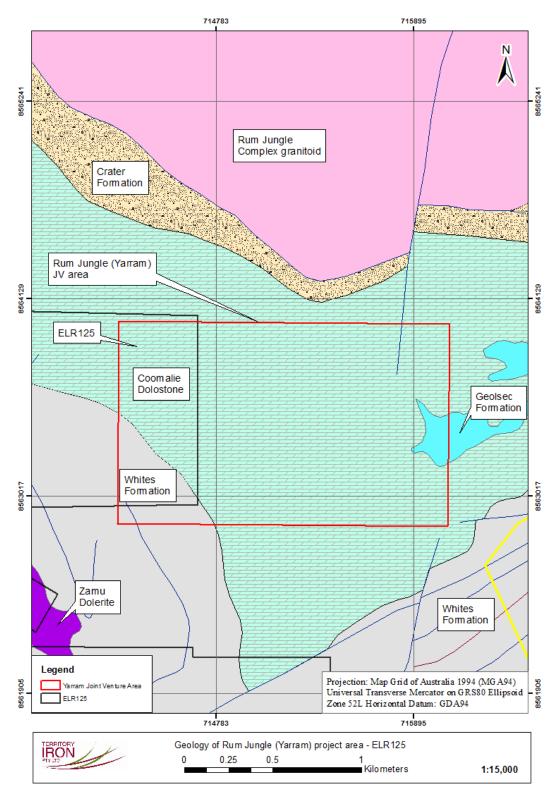


Figure 4: Local solid geology map for the Rum Jungle Project Area. The red rectangle defines the boundary for the Rum Jungle (Yarram) project area and the black rectangle ELR125. The overlap between the two rectangles shows the project area for ELR125. Geological background map from Lally (2003)

The portion of ELR125 that overlaps with the Rum Jungle (Yarram) Joint Venture area comprises subsurface Coomalie Dolostone and the Whites Formation, Figure 4.

Significant U, Pb Zn, Ag, Cu, Ni, Co and Au mineralisation is associated with the Rum Jungle area. Sub economic occurrences of phosphate, magnesite and iron ore are also documented in the region. Iron mineralisation was not described in the explanatory notes for the Rum Jungle region (Lally 2002) although they were annotated on the NTGS 1:100,000 Interpreted Geology Special Map (Lally 2003). Iron-bearing oxides in the region include hematite (Fe₂O₃) and goethite (FeO(OH).

4.0: EXPLORATION ACTIVITIES - CURRENT REPORTING YEAR

During the reporting period, Territory Iron undertook desktop geological studies to evaluate the iron ore potential and also monitor the status of rehabilitation for drill sites and tracks from the previous years' drill programme. A site audit was undertaken in 2015 to assess and evaluate the status of regrowth over drill sites and tracks on ELR125 and surrounding tenure. The drill pads and tracks are remediating well and showing good signs of natural regrowth.

5.0: CONCLUSIONS AND RECOMMENDATIONS

An in-depth review of all available data including geophysical data is required to further evaluate the economic potential of the tenement. Activities should also include reconnaissance fieldtrips to the project area to map and take field samples if necessary and also to assess the ongoing remediation of drill sites and tracks to ensure they are in compliance with the Department of Mines and Energy requirements.

6.0: REFERENCES

Ahmad M, Lally JH and McCready AJ, 2006. Economic geology of the Rum Jungle Mineral Field, Northern Territory. *Northern Territory Geological Survey*, Report 19.

Ahmad M and McCready A, 2001. Rum Jungle Region and the Pine Creek Orogen: synthesis and evaluation of existing data: in 'Annual Geoscience Exploraiton Seminar (AGES) 2001. Record of abstracts'. Northern Territory Geological Survey, Record 2001-006.

Glass LM, 2015. Territory Iron Pty Ltd, Annual Technical Report MLN1163 for the period 24th March 2014 – 23rd March 2015.

Lally JH, 2002. Stratigraphy, structure and mineralisation, Rum Jungle Mineral Field, Northern Territory. *Northern Territory Geological Survey, Record* 2002-005.

Lally JH, 2003. Rum Jungle Mineral Field integrated interpretation of geophysics and geology, Edition 1,1:100,000 geological map series. Northern Territory Geological Survey, Darwin.

Stuart-Smith PG, Needham RS, Bagas L and Wallace DA, 1987. Pine Creek, Northern Territory, *BMR* 1:100,000 Geological Map Commentary, Bureau of Mineral Resources, Geology and Geophysics, Canberra, Australia.