

**QUARTERLY ACTIVITIES REPORT  
FOR THE PERIOD ENDED 31 MARCH 2016**  
ASX CODE: RNI

**HIGHLIGHTS**

- **First phase exploration program across Bryah Basin copper-gold targets defines a series of volcanic hosted massive sulphide (VHMS) horizons for priority follow-up drilling**
- **Significant VHMS mineralisation intersected at the Orient Prospect at Cashmans including 3 metres of massive sulphide containing visible chalcopyrite**
- **VHMS target horizon identified at the Cuba Prospect at Doolgunna with similar stratigraphy and alteration to the nearby DeGrussa and Monty copper-gold deposits**
- **Potential VHMS horizon identified along 1.2km strike of the Forrest-Wodger Trend with similar geology to Horseshoe Lights copper-gold mine.**
- **These VHMS target horizons will be the focus of follow-up drilling and exploration programs set to commence in April 2016 and continue throughout the June quarter**

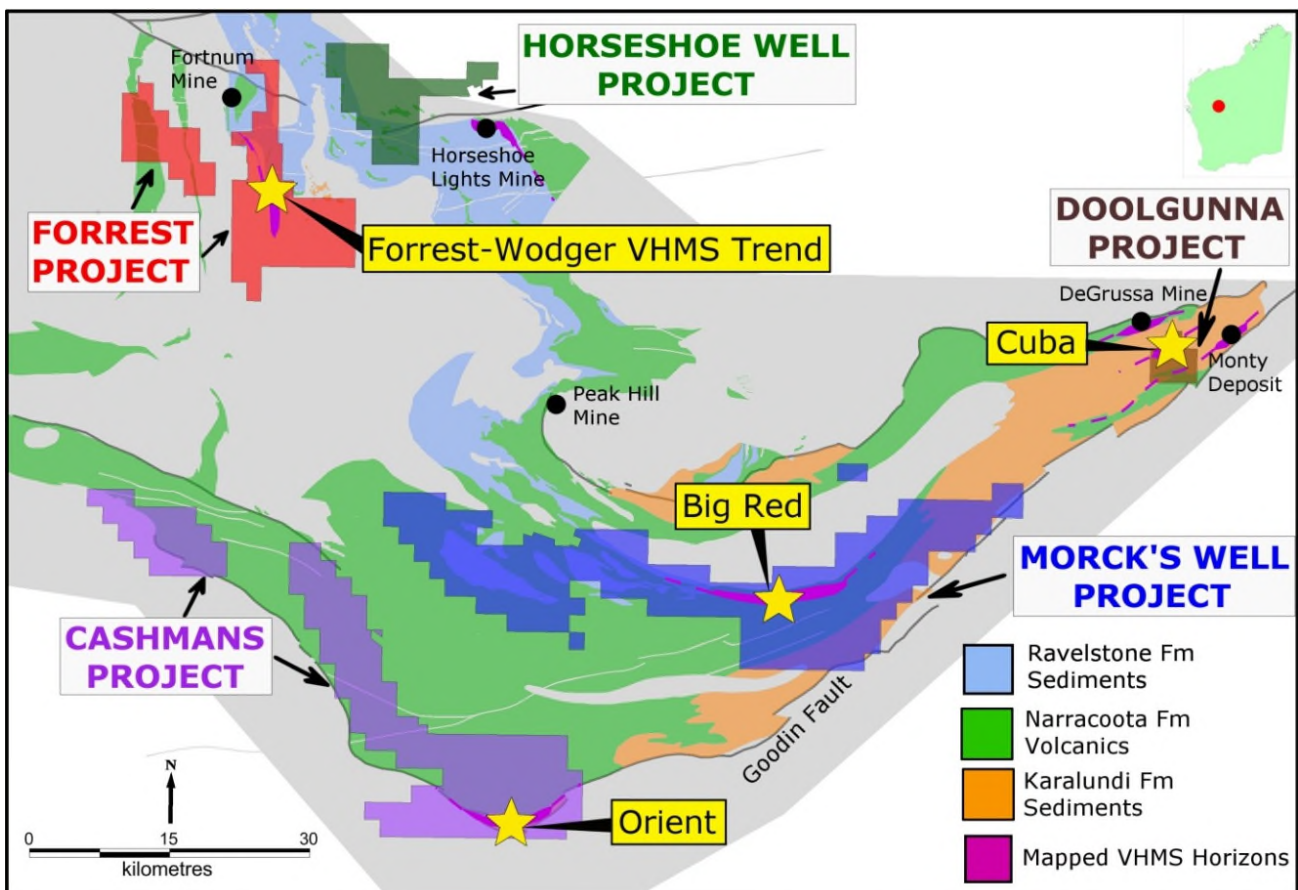


Figure 1: RNI's extensive Bryah Basin copper-gold exploration portfolio and key target areas

**RNI NL** (ASX: RNI) is actively exploring for high-grade copper-gold deposits in Western Australia's Bryah Basin, a known VHMS province.

RNI holds an extensive 1,269km<sup>2</sup> Bryah Basin tenement package divided into five well-defined project areas – Doolgunna, Morck's Well, Cashmans, Forrest and Horseshoe Well. These projects are all prospective for VHMS discoveries.

The Company commenced a systematic first-pass drilling and exploration program across a series of Bryah Basin copper-gold targets in late 2015.

This program was successful in defining priority VHMS horizons for targeted follow-up drilling and geophysical programs.

These follow-up programs are set to commence in April 2016 and will target DeGrussa, Monty and Horseshoe Lights-style VHMS copper-gold discoveries.

### **EXPLORATION – BRYAH BASIN, WESTERN AUSTRALIA**

RNI commenced a 24,000m drilling and exploration program in the previous quarter following a systematic review and ranking of priority VHMS target areas across the Company's five Bryah Basin project areas.

This program involved first-pass aircore and reverse circulation (RC) drilling, down hole electromagnetic (DHEM) surveys and geochemical sampling.

This initial program was completed during the Quarter and was successful in defining VHMS target horizons at Orient (Cashmans Project), Cuba (Doolgunna Project), the Forrest-Wodger VHMS Trend (Forrest Project) and at the Morck's Well Project (Figure 1) (Refer ASX announcement 17 March 2016).

The initial drilling and exploration program has also advanced RNI's geological understanding of its Bryah Basin tenure and, in particular, the indicators showing the pathway to VHMS discoveries.

The four key target areas - and the follow-up drilling and exploration programs planned for each - are summarised below.

#### ***Orient Prospect – Cashmans Project***

During the Quarter, a geological review of previous drilling and exploration results from the area around the Orient Prospect (Figures 1 and 2) identified a number of prospective exhalative horizons (potential hosts for VHMS deposits). These horizons were close to the previously identified copper-rich gossan at Orient, which returned historic surface samples of up to 12.8% copper and 41.7g/t gold (See ASX announcement 25 September 2012).

As part of that review, a DHEM survey was carried out on the off-hole conductor previously identified from RC hole ORC010 drilled beneath the Orient gossan. The new DHEM survey successfully positioned the conductor and RC hole OTRC004 intersected the re-oriented EM plate at ~100m downhole.

Key results from hole OTRC004 included:

- 3 metres of massive pyrite sulphide containing visible chalcopyrite from 103m
- Intense silica and dark green/black chlorite alteration (typical alteration surrounding VHMS deposits) within the turbiditic sediments
- Key VHMS signature
  - 5m @ 0.86g/t Au from 96m
  - 11m @ 0.60g/t Ag from 96m
  - 14m @ 325ppm Pb from 96m
  - 12m @ 38ppm As from 97m
  - 5m @ 0.25% Cu from 101m
  - 6m @ 0.43% Zn from 101m

The Orient massive sulphide intersection is associated with enriched copper (chalcopyrite), lead (galena) and zinc (sphalerite) values, which are typical of most VHMS deposits.

The exhalative horizon associated with Orient has been interpreted to extend to the T10<sup>1</sup> prospect (outcropping malachite rich gossan) at Cashmans, approximately 1.5km to the south (Figure 2). Historic rock chip samples from this gossan returned values of up to 17.4% copper, 8.8 g/t gold and 2.0 g/t silver (See ASX announcement 28 May 2014).

RNI believes this discovery of a VHMS system at Orient demonstrates the prospectivity of the Goodin Fault structural trend (from which Monty is the most prominent recent discovery) and supports the potential for further VHMS deposits proximal to the Goodin Fault and throughout the Bryah Basin.

RNI is planning an expanded exploration program in the Orient area during the June quarter to investigate the VHMS horizon. This program will focus on the Orient – T10 exhalative horizon (Figure 2).

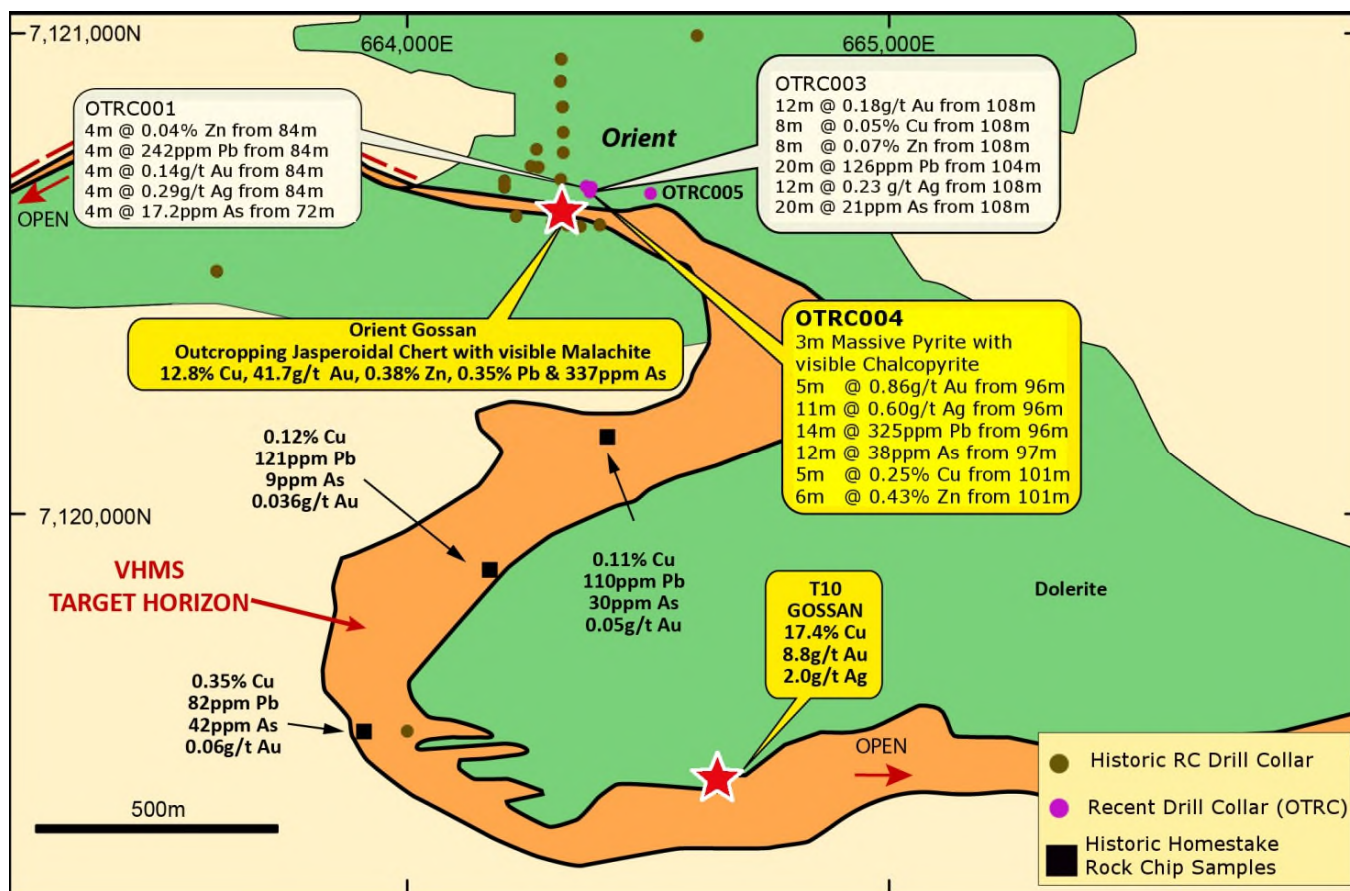


Figure 2: Orient – T10 prospective VHMS horizon

This planned program will include gravity surveys, detailed surface mapping, geochemical sampling, step-out drilling (aircore or RC) and potentially DHEM - the timing of which will be subject to access and other approvals.

**Cuba Prospect – Doolgunna Project**

The initial aircore drilling program conducted at the Cuba Prospect at Doolgunna in the previous quarter encountered stratigraphy and mineral alteration similar to the proximal DeGrussa and Monty copper-gold deposits (Figures 1 and 3).

The potential for Cuba to host VHMS-style mineralisation was further highlighted by the identification of key alteration minerals (chlorite-pyrite-sericite) and lead-zinc-molybdenum, copper, arsenic, tellurium and gold geochemical signatures (See ASX announcement 22 February 2016).

The infill and extensional drilling program completed at Cuba during the Quarter was successful in defining the extent of the alteration halo and intersected favourable VHMS host stratigraphy and alteration indicative of proximal VHMS mineralisation (Figure 3).

Assaying and geochemical analysis are due for completion in April 2016, providing the platform for a deeper RC drilling program, followed by high-powered DHEM surveys.

This program is expected to commence in late April 2016.

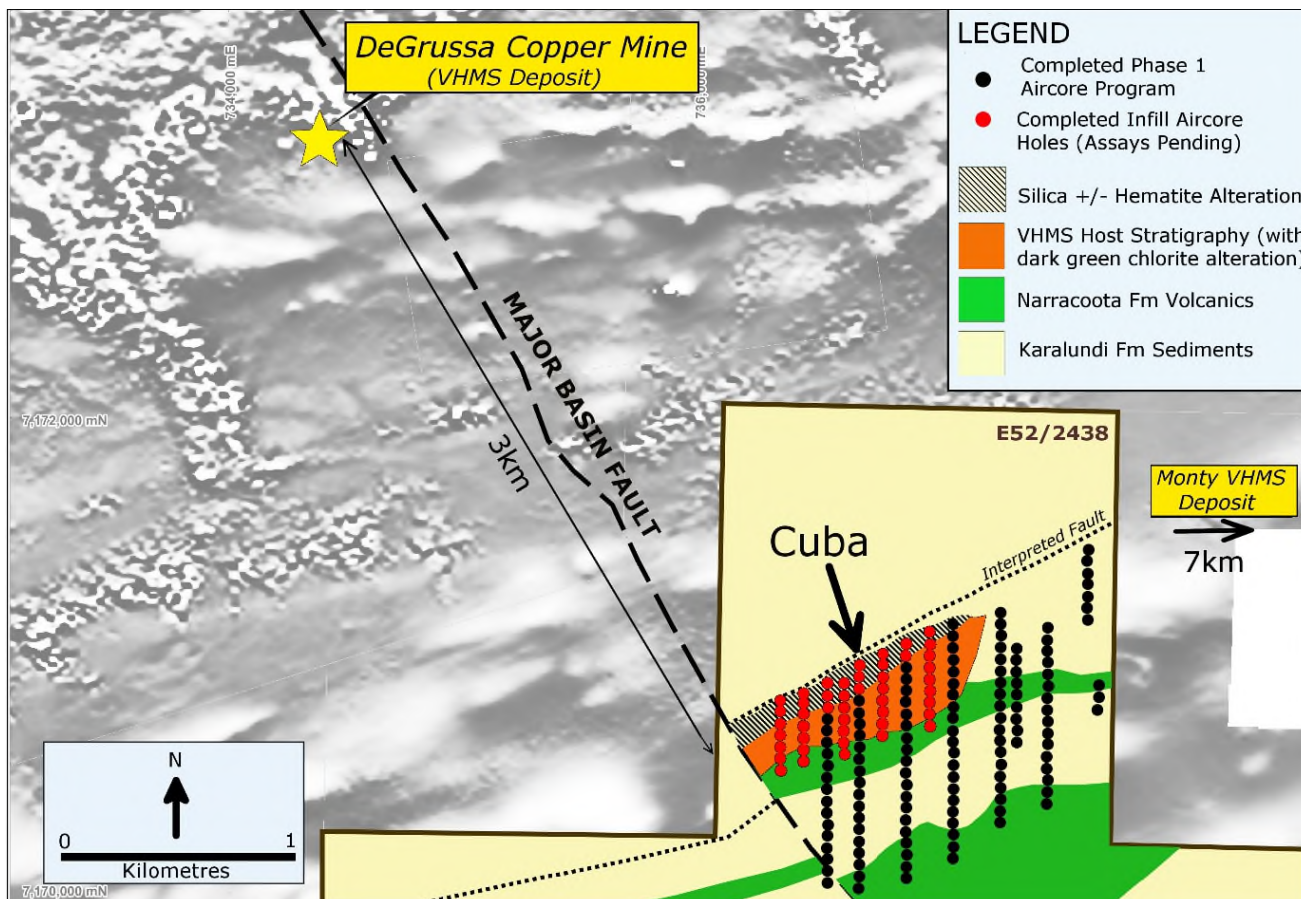


Figure 3: Cuba Prospect at the Doolgunna Project with proximity to DeGrussa and Monty

**Forrest-Wodger VHMS Trend<sup>2</sup> – Forrest Project**

As announced on 22 February 2016, drilling of the initial aircore holes along the Forrest-Wodger VHMS Trend within the Forrest Project (Figure 1) identified the presence of exhalative units and strongly altered minerals indicative of a proximal VHMS source. These are also two of the key proximal pathfinders for DeGrussa and Monty.

An expanded aircore drilling program at the Forrest-Wodger VMS Trend succeeded in extending the prospective horizon to the north and south, with a total strike length of approximately 1.2km. Drilling also intersected visible secondary copper minerals, specifically malachite and azurite.

Assay results and geochemical analysis from the Forrest-Wodger VHMS Trend are expected in April 2016.

Follow-up work is expected to include a detailed aeromagnetic and ground gravity survey, surface geochemistry and further drilling (aircore or RC) along the mapped exhalative VHMS horizon, along with high-powered DHEM surveys to vector in on the potential VHMS mineralisation. The aeromagnetic and gravity surveys and surface geochemistry will be conducted in parallel with similar work at Orient. Follow up drilling will be conducted as required after the Cuba and Orient programs.

***Big Red Prospect<sup>2</sup> – Morck's Well***

A first pass aircore drilling program completed at the Big Red Prospect at Morck's Well (Figure 1) during the Quarter identified intense chlorite, sericite and magnetite alteration hosted within the favourable Karalundi Formation turbiditic sediments.

RNI expects to receive the assays from Big Red and complete a geochemical review in April 2016.

**CORPORATE**

During the Quarter, RNI agreed on terms with Ascidian Prospecting Pty Ltd to acquire 100% of the Doolgunna Project (E52/2438).

As set out in the ASX announcement of 2 February 2016, the key terms of agreement were as follows:

- Payment of a \$150,000 deposit to Ascidian within five business days and the issue to Ascidian of three million unlisted RNI January 2018 options exercisable at 3c
- Payment of a further \$550,000 to Ascidian on or before 7 July 2016 and the issue to Ascidian of \$200,000 in RNI shares<sup>3</sup>
- Payment of a further \$300,000 to Ascidian on or before 7 July 2017 and the issue to Ascidian of a further \$400,000 in RNI shares<sup>3</sup> to complete the acquisition

In addition, RNI will pay Ascidian a 1% gross royalty on minerals produced by RNI from Doolgunna.

On 22 February 2016, RNI announced to the ASX that 9.17 million unlisted \$0.15 options exercisable on or before 19 February 2016 had expired.

During the Quarter, the Company issued shares in lieu of cash for interest payable on convertible notes on issue. As at 31 March 2016, 13 convertible notes remain following the conversion of 3 into ordinary RNI shares during the period.

<sup>1</sup> T10 is part of the Cheroona JV – RNI earning 51% with the option to earn 70% from Northern Star Resources (ASX: NST)

<sup>2</sup> RNI 80%; Fe Ltd 20%. Fe Ltd (ASX:FEL) interest is free carried until Decision to Mine

<sup>3</sup> RNI shares will be issued to Ascidian at the lesser of the prevailing market price (7 trading day VWAP) or 2c.

For and on behalf of the Board.

**DAVID MORGAN**  
**CHIEF EXECUTIVE OFFICER**

### Competent Person's Statement

Information in this announcement that relates to exploration results is based on and fairly represents information and supporting documentation prepared and compiled by Albert Thamm BSc (Hons) MSc, F.Aus.IMM (CP) who is a Corporate Member of the Australasian Institute of Mining and Metallurgy.

The information in this announcement that relates to previously released exploration was first disclosed under the JORC Code 2004. It has not been updated to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported and is based on and fairly represents information and supporting documentation prepared and compiled by Albert Thamm BSc (Hons) MSc, who is a Corporate Member of the Australasian Institute of Mining and Metallurgy.

Mr Thamm is a consultant to RNI NL. Mr Thamm has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Mr Thamm consents to the inclusion in the announcement of the matters based on this information in the form and context in which it appears.

### No New Information

Except where explicitly stated, this announcement contains references to prior exploration results and Mineral Resource estimates, all of which have been cross referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the results and/or estimates in the relevant market announcement continue to apply and have not materially changed.

### Forward-Looking Statements

This announcement has been prepared by RNI NL. This document contains background information about RNI NL and its related entities current at the date of this announcement. This is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this announcement. This announcement is for information purposes only. Neither this document nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in any jurisdiction.

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No responsibility for any errors or omissions from this document arising out of negligence or otherwise is accepted. This document does include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of RNI NL. Actual values, results, outcomes or events may be materially different to those expressed or implied in this announcement. Given these uncertainties, recipients are cautioned not to place reliance on forward-looking statements.

Any forward-looking statements in this announcement speak only at the date of issue of this announcement. Subject to any continuing obligations under applicable law and ASX Listing Rules, RNI NL does not undertake any obligation to update or revise any information or any of the forward-looking statements in this document or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

Schedule of Mining Tenements as at 31 March 2016					
Tenement Number	Registered Holder	Date Granted	Area Graticular blocks(bk) / Hectares (ha)	Area Sq km	Notes
<b>Doolgunna Project</b>					
E52/2438	Ascidian Prospecting Pty Ltd	11/02/2010	7bk	21.68	1,8
<b>Morck's Well Project</b>					
E51/1033	Grosvenor Gold Pty Ltd 40% Jackson Minerals Pty Ltd 20% PepinNini Robinson Range Pty Ltd 40%	22/09/2005	53bk	161.84	2,3,8
E51/1134	Grosvenor Gold Pty Ltd	15/11/2006	4bk	12.36	8
E52/1613	Grosvenor Gold Pty Ltd 40% Jackson Minerals Pty Ltd 20% PepinNini Robinson Range Pty Ltd 40%	29/03/2006	30bk	92.77	2,3,8
E52/1672	Grosvenor Gold Pty Ltd 40% Jackson Minerals Pty Ltd 20% PepinNini Robinson Range Pty Ltd 40%	22/09/2005	35bk	108.02	2,3,8
E52/1910	Grosvenor Gold Pty Ltd 50% PepinNini Robinson Range Pty Ltd 50%	10/08/2006	41bk	124.21	4,8
E52/1951	Grosvenor Gold Pty Ltd	26/02/2007	17bk	52.56	8
E52/2472	Peak Hill Metals Pty Ltd	19/11/2009	2bk	6.1	8
E52/3001	Grosvenor Gold Pty Ltd	09/06/2014	1bk	3.1	8
P52/1497	Omni Projects Pty Ltd	6/3/2015	155.90ha	1.56	9
P52/1503	Omni Projects Pty Ltd	6/3/2015	172.86ha	1.73	9
P52/1504	Omni Projects Pty Ltd	6/3/2015	191.81ha	1.92	9
<b>Cashmans Project</b>					
E51/1053	Grosvenor Gold Pty Ltd	22/09/2005	35bk	105.26	8
E51/1120	Grosvenor Gold Pty Ltd	10/08/2006	40bk	122.46	8
E51/1391	Northern Star Resources Ltd	11/11/2010	35bk	108.04	5
E51/1641	Grosvenor Gold Pty Ltd	5/02/2015	20bk	61.86	8
E52/2509	Northern Star Resources Ltd	16/06/2011	6bk	18.56	5
<b>Forrest Project</b>					
E52/1659	Grosvenor Gold Pty Ltd 80% Jackson Minerals Pty Ltd 20%	27/01/2004	13bk	34.09	2,6,8
E52/1671	Grosvenor Gold Pty Ltd 80% Jackson Minerals Pty Ltd 20%	23/11/2004	61bk	185.26	2,6,8
P52/1493	Grosvenor Gold Pty Ltd	6/3/2015	191.66ha	1.92	7,8
P52/1494	Omni Projects Pty Ltd	6/3/2015	179.33ha	1.79	10
P52/1495	Omni Projects Pty Ltd	6/3/2015	181.09ha	1.81	10
P52/1496	Omni Projects Pty Ltd	6/3/2015	183.70ha	1.83	10
<b>Horseshoe Well Project</b>					
E52/3166	Grosvenor Gold Pty Ltd	18/12/2014	34bk	103.92	8
<b>Notes:</b>					
<p>Grosvenor Gold Pty Ltd (GG) is a wholly owned subsidiary of RNI NL (RNI) and Peak Hill Metals Pty Ltd (PHM) is a wholly owned subsidiary of Grosvenor Gold Pty Ltd.</p> <ol style="list-style-type: none"> <li>RNI option to purchase.</li> <li>Peak Hill Sale Agreement – GG 80%, Jackson Minerals Pty Ltd (JM) 20% and free carried to a decision to mine.</li> <li>Jackson Iron Ore Royalty – GG to pay PepinNini Robinson Range Pty Ltd (PRR) a 0.8% gross revenue royalty from the sale or disposal of iron ore. PRR 40% registered holder interest to be transferred to GG.</li> <li>Robinson Range Iron Ore Royalty – GG to pay PRR a 1.0% gross revenue royalty from the sale or disposal of iron ore. PRR 50% registered holder interest to be transferred to GG.</li> <li>Earning 51% JV interest.</li> <li>Metals X Limited owns gold mineral rights over GG 80% interest.</li> <li>Metals X Limited owns gold mineral rights.</li> <li>Metals X Limited has a first right of refusal over disposal of RNI and GG interests.</li> <li>GG 100% beneficial interest. Omni Projects Pty Ltd registered holder interest to be transferred to GG.</li> <li>GG 80% beneficial interest, JM 20% beneficial interest and free carried to a decision to mine. Omni Projects Pty Ltd registered holder interest to be transferred to GG and JM.</li> </ol>					