

QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 30 JUNE 2016

ASX CODE: RNI

HIGHLIGHTS

- **Exploration advanced at three priority volcanic hosted massive sulphide (VHMS) targets within RNI's extensive Bryah Basin copper-gold tenement portfolio in WA**
- **Deep drill testing of the high-priority Cuba VHMS prospect at Doolgunna set to commence with ~800 metre diamond hole**
- **Drill targeting progressed at Orient-T10 at Cashmans to follow up on 3 metre massive sulphide intersection and outcropping copper grades of 17.4%**
- **High-resolution aeromagnetic and gravity surveys conducted over the Forrest-Wodger-Big Billy area at Forrest to provide platform for follow-up drilling program**
- **\$1.5 million raised from Share Purchase Plan**

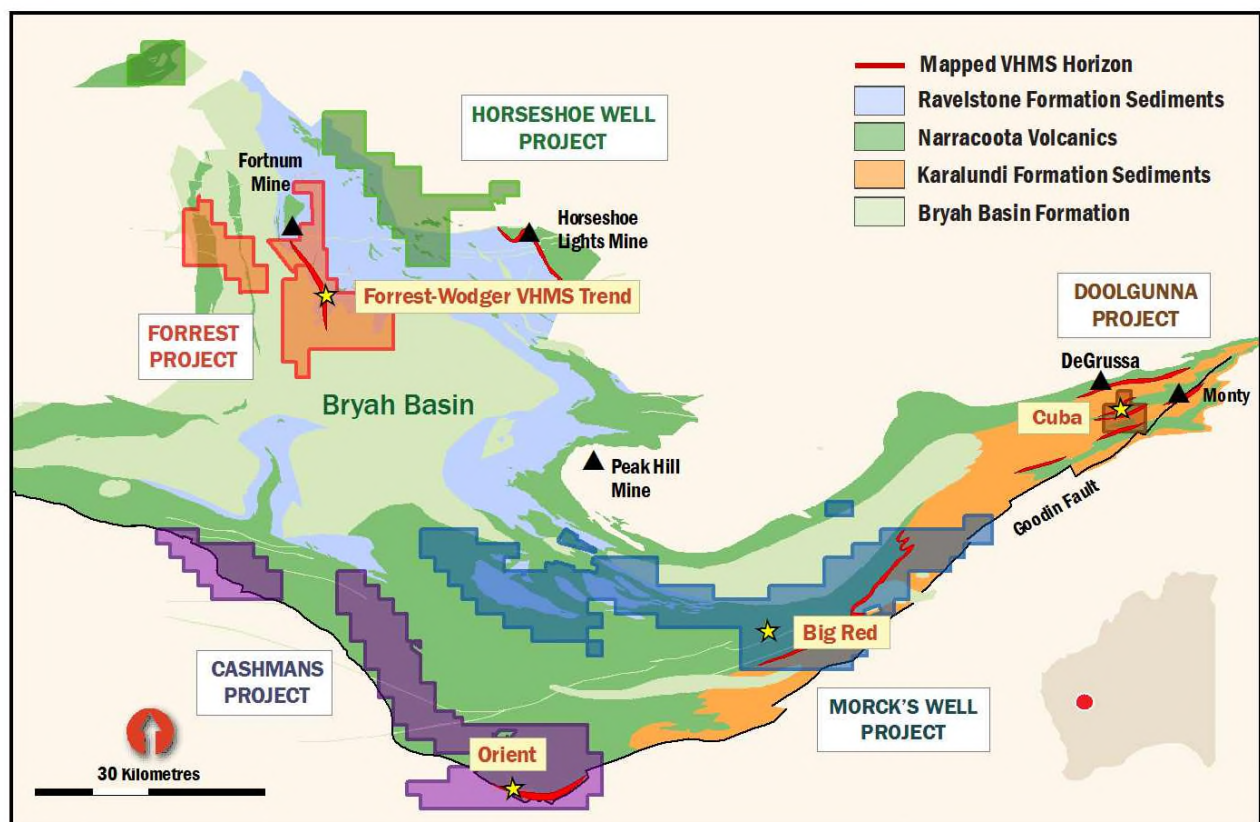


Figure 1: RNI's extensive 1,343km² Bryah Basin copper-gold tenement package showing the priority target areas at Cuba, Orient-T10 and the Forrest-Wodger VHMS Trend

Introduction

RNI NL (ASX: RNI) continues to advance exploration programs for high-grade copper-gold deposits in Western Australia's highly-prospective Bryah Basin, a known VHMS province.

RNI holds an extensive 1,343km² Bryah Basin exploration portfolio divided into five well-defined project areas – Doolgunna, Cashmans, Forrest, Morck's Well and Horseshoe Well (Figure 1).

The Company commenced a systematic first-pass drilling and exploration program across a series of Bryah Basin targets in late 2015/early 2016.

This work has been successful in defining priority VHMS horizons for follow-up drilling and geophysical programs, targeting DeGrussa, Monty and Horseshoe Lights-style VHMS copper-gold discoveries.

RNI has three target areas that are currently the main exploration focus - Doolgunna – (Cuba Prospect), Cashmans (Orient-T10 Prospect) and Forrest (Forrest-Wodger VHMS Trend).

Progress made at these three priority target areas during the Quarter – and follow-up plans for each in the September 2016 quarter – are detailed below.

Cuba Prospect – Doolgunna Project

The Cuba prospect at RNI's Doolgunna Project is located between the high-grade DeGrussa and Monty VHMS discoveries and is hosted within the same favourable geological setting (Figures 1 and 2).

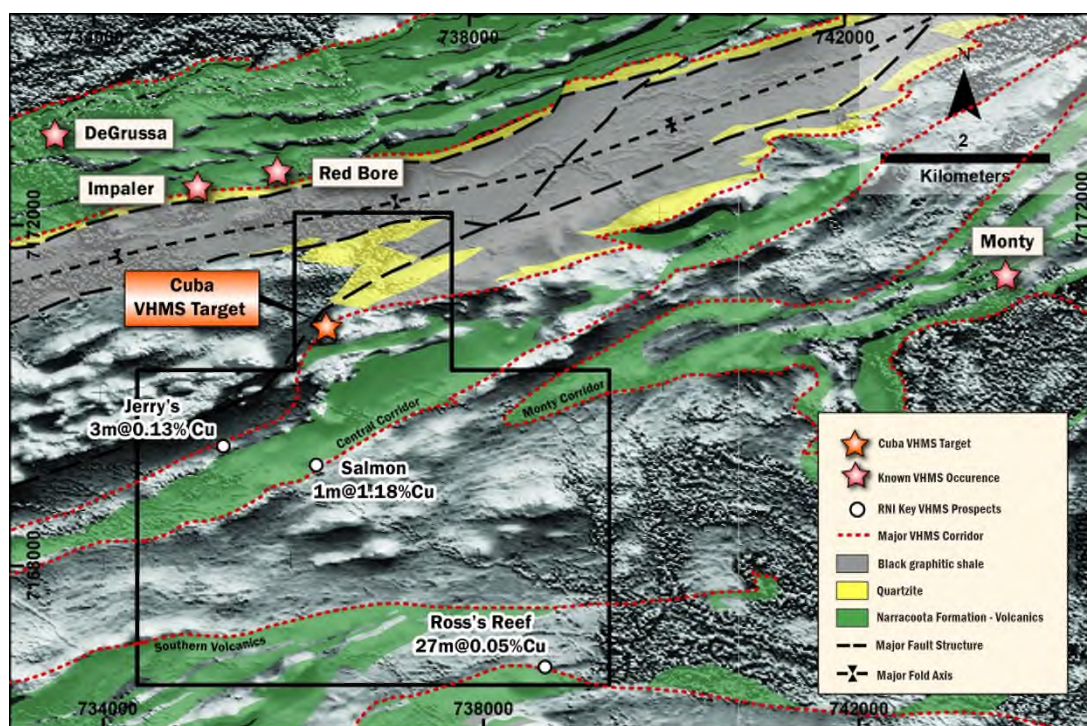


Figure 2: RNI's Cuba Prospect and Doolgunna Project showing proximity to DeGrussa and Monty

During the Quarter, RNI commenced a reverse circulation (RC) drilling program at Cuba to follow up on previous aircore drilling which successfully defined the presence of a highly-prospective VHMS system.

As set out in the ASX announcement of 19 April 2016, geochemical analysis of the preliminary aircore drill program at Cuba helped infer the orientation of the host stratigraphy and defined a VHMS alteration halo of approximately 1,000m x 400m.

The host sequence of chlorite-altered siltstones, sandstones and basalts, is identical to that found at the Monty and DeGrussa VHMS occurrences.

Further geological mapping and structural interpretation placed Cuba within the stratigraphic repeat of the DeGrussa Formation¹, sitting on the southern limb of a regional syncline.

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.

A total of six RC holes were drilled at Cuba during the Quarter to target the prospective VHMS horizon and provide a platform for follow-up down-hole electro-magnetic (DHEM) surveys.

As announced to the ASX on 31 May 2016, the geology intersected from the first three RC holes drilled at Cuba (CBRC001, CBRC002 and CBRC003) validated RNI's geological model for the Cuba area, with all holes intersecting visible minor sulphides, favourable host stratigraphy and alteration indicative of VHMS mineralisation.

Assays confirmed the presence of key pathfinder elements (Table 1). While the DHEM survey detected a subtle off-hole EM response approximately 100m-120m east of RC hole CBRC003, the source of that EM response was subsequently identified as a previously unknown cross-cutting fault structure.

As announced to the ASX on 28 June 2016, RNI drilled a further three RC holes at Cuba - CBRC0004, CBRC0005 and CBRC0006 (Figure 3) –before access was lost due to rains and local flooding.

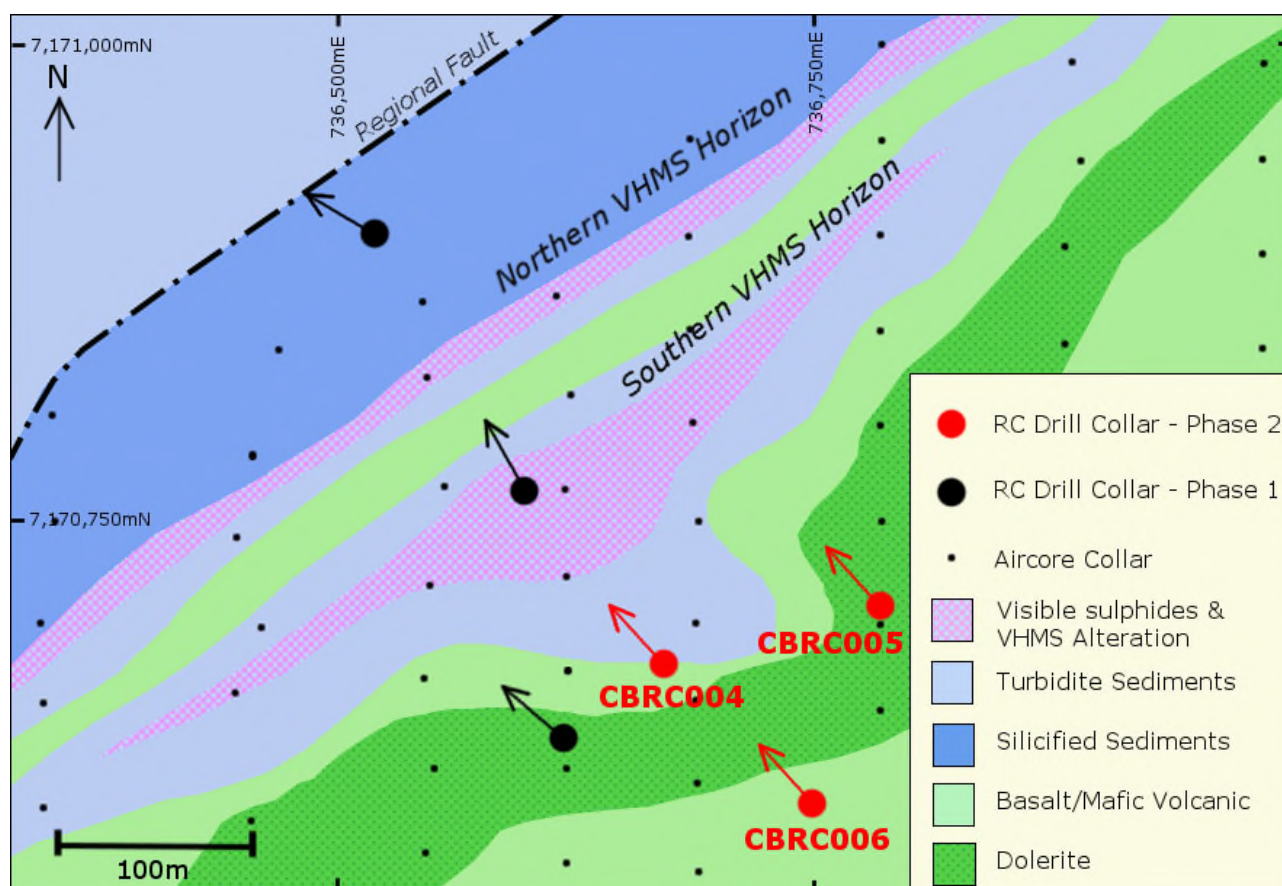


Figure 3: Cuba Prospect – Plan view – Location of drill collars

While drilling samples have been dispatched to the laboratory for assay, hand-held XRF results (Note: Yet to be confirmed by assay) identified significant (up to 113m) intersections of key pathfinder elements including anomalous copper (Table 1) as well as key alteration and visible minor sulphides (as seen in RC hole CBRC001, CBRC002 and CBRC003).

The presence of elevated and anomalous copper, coincident with key pathfinder elements, is considered significant as these are key indicators of a proximal VHMS deposit.

Significant hole deviations in the RC drilling program hampered RNI's efforts to reach planned drilling depths at Cuba and to complete its DHEM surveys.

As a result, it was decided to replace the remaining RC holes originally planned as part of the Cuba program with a deep diamond hole of approximately 800m beneath the anomalous zone to more accurately target the source of the VHMS anomalism, while also providing key structural and lithological information from Cuba.

Importantly, the deep diamond hole will also enable RNI to conduct a DHEM survey to vector in on the targeted VHMS mineralisation.

The rig to drill this deep diamond hole is scheduled to arrive on site at Cuba on Friday 8 July 2016, weather conditions permitting.

Orient-T10 Prospect – Cashmans Project

RNI identified a VHMS system at Orient in the previous quarter, with RC drilling returning a 3m intersection of massive sulphide containing visible chalcopyrite and a halo of enriched copper (chalcopyrite), lead (galena) and zinc (sphalerite) values – which are typical of most VHMS deposits (Refer ASX announcement 17 March 2016).

Surface mapping in the local area identified an exhalative horizon extending 1.5km south of Orient to the T10² prospect – an outcropping malachite rich gossan from which historic rock chip samples returned values of up to 17.4% copper, 8.8 g/t gold and 2g/t silver (See ASX announcement 28 May 2014) (Figure 4).

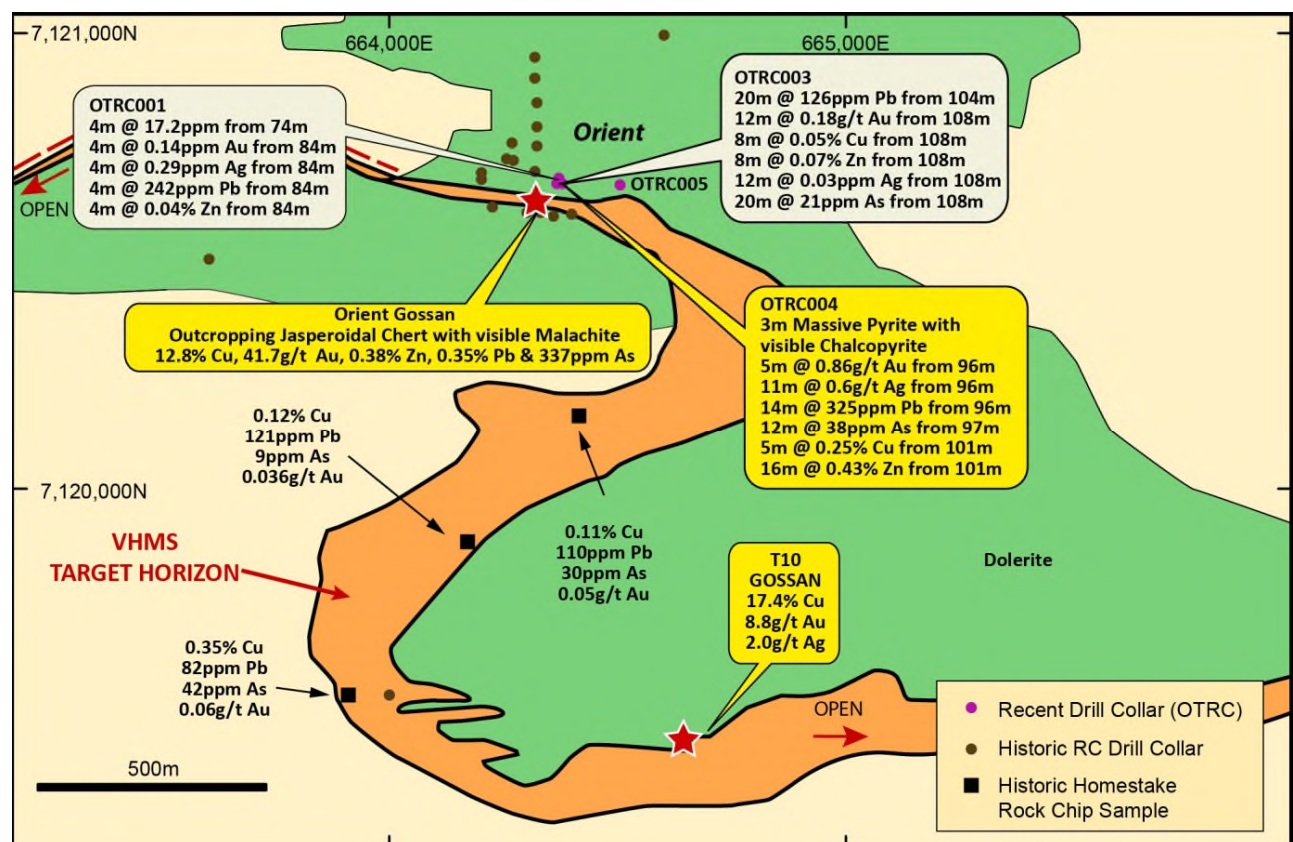


Figure 4: Orient-T10 prospective VHMS horizon

RNI advanced follow-up exploration programs along the Orient-T10 exhalative horizon during the Quarter to enhance target definition for a planned RC drilling program.

The work undertaken included ground-based gravity surveys, surface mapping, surface sampling and data reviews. Following on from this recent work, ground-based EM surveys are planned for July 2016 over locations of interest to enhance drill target testing.

Heritage surveys across the Orient-T10 area have also commenced, however inclement weather is hampering efforts to complete them. A targeted RC drilling program is expected to commence in late July 2016 or early August 2016 following the completion of this survey work and receipt of access approvals.

This drilling will target the continuation of the massive sulphide mineralisation intersected in the original RC drilling program at Orient and to investigate the VHMS horizons.

Forrest-Wodger VHMS Trend – Forrest Project

A preliminary aircore drilling program along the Forrest-Wodger VHMS Trend (Figure 1) in the previous quarter 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 VHMS Trend³ 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.

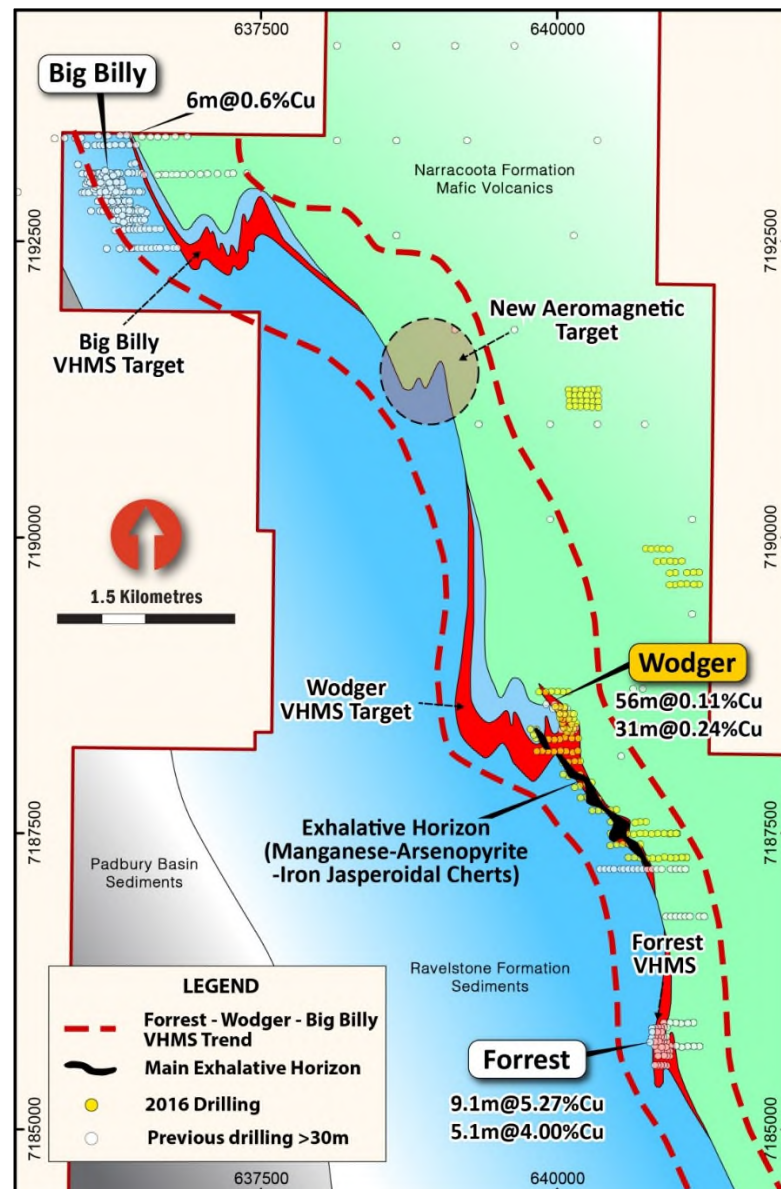


Figure 5: Forrest project – Interpreted Forrest-Wodger-Big Billy VHMS horizon and targets⁴

Assays for the expanded aircore program along the Forrest-Wodger VHMS Trend were received during the Quarter and the geochemical analysis completed. The geochemical analysis identified a prospective VHMS-style signature at Wodger associated with the presence of an interpreted offset stringer copper-gold anomaly.

As announced to the ASX on 19 April 2016, a geochemical review of the historical drilling results at Big Billy (6m @ 0.6% Cu)⁷, 5.5 km to the north, and at Forrest (9.1m @ 5.27% Cu)⁵, 2.7km to the south, (Figure 5) produced an identical VHMS signature and host stratigraphic horizon across all three prospects.

The geochemistry and host stratigraphy is analogous to the Horseshoe Lights VHMS deposit, which is positioned within the same stratigraphic horizon, approximately 25km to the east (Figure 1).

The extent of both the Wodger and Big Billy VHMS anomalism is unconstrained and detailed surface geochemistry programs are underway to better define these anomalies.

High-resolution aeromagnetic and gravity surveys were conducted over the greater Forrest-Wodger-Big Billy area (Figure 5) to better enhance exploration targeting.

These surveys have enhanced the understanding of the structural and geological controls of each prospect area and have provided the platform for planned follow-up drill programs.

Corporate

During the Quarter, RNI raised the maximum amount of \$1.5 million under a Share Purchase Plan which was underwritten by Somers & Partners Pty Ltd. This involved the issue of 100 million RNI shares at an issue price of 1.5c per share.

Proceeds from the SPP increased RNI's cash balance to \$2.166 million as at 30 June 2016.

For and on behalf of the Board.

DAVID MORGAN
CHIEF EXECUTIVE OFFICER

Footnotes:

¹ Margaret L. Hawke, Sebastien Meffre, Holly Stein, Paul Hilliard, Ross Large, J. Bruce Gemmell, 2015. *Geochronology of the DeGrussa volcanic-hosted massive sulphide deposit and associated mineralisation of the Yerrida, Bryah and Padbury Basins, Western Australia. Precambrian Research* 267 (2015) 250–284

² T10 is part of the Cheroona JV – RNI 51% and earning 70% from Northern Star Resources (ASX: NST)

³ RNI 80%; Fe Ltd 20%. Fe Ltd (ASX: FEL) interest is free carried until Decision to Mine

⁴ Previous Wodger assays from two historic rotary air blast (RAB) drill traverses completed by Gleneagle in 2006 and reported in ASX announcement 23 July 2014

Table 1 – Cuba RC Drilling - Significant Anomalous Results

Hole ID	Element	Value	Depth		Intercept	Result	Intercept Summary
			From	To			
CBRC001	No significant anomalism						
CBRC002	No significant anomalism						
CBRC003	Au	ppb	-	-	-	-	NSR
	Cu	ppm	205	206	1	489	1 metre @ 489ppm Cu from 205 metres
	Zn	ppm	158	184	26	175	26 metres @ 175ppm Zn from 158 metres
	Pb	ppm	124	190	66	20	66 metres @ 20ppm Pb from 124 metres
	Ag	ppm	177	184	7	0.12	7 metres @ 0.12ppm Ag from 177 metres
	As	ppm	155	188	33	98	33 metres @ 98ppm As from 155 metres (including 2m @ 397ppm As)
CBRC004*	Au	ppb					Awaiting Lab assay results
	Cu	ppm	194	200	6	215	6 metres @ 215 ppm Cu from 194 metres (including 1m @ 519 ppm Cu)
	Zn	ppm	113	180	67	218	67 metres @ 218ppm Zn from 113 metres
	Pb	ppm	110	182	72	16	72 metres @ 16ppm Pb from 110 metres
	Ag	ppm					Awaiting Lab assay results
	As	ppm	126	181	55	50	55 metres @ 50ppm As from 126 metres
CBRC005*	Au	ppb					Awaiting Lab assay results
	Cu	ppm	84	91	7	137	7 metres @ 137ppm Cu from 84 metres
			196	201	5	126	5 metres @ 126ppm Cu from 196 metres
	Zn	ppm	64	94	30	210	30 metres @ 210ppm Zn from 64 metres
			174	254	80	180	80 metres @ 180ppm Zn from 174 metres
	Pb	ppm	49	93	44	41	44 metres @ 41ppm Pb from 51 metres
			174	287	113	23	113 metres @ 23ppm Pb from 174 metres
	Ag	ppm					Awaiting Lab assay results
	As	ppm	72	94	22	31	22 metres @ 31ppm As from 72 metres
			175	229	54	40	54 metres @ 54ppm As from 175 metres
CBRC006	Hole deviated away from target. Hole abandoned at 225 metres						

* - Denotes pXRF results only

Schedule of Mining Tenements as at 30 June 2016					
Tenement Number	Registered Holder	Date Granted	Area Graticular blocks(bk) / Hectares (ha)	Area Sq km	Notes
Doolgunna Project					
E52/2438	Ascidian Prospecting Pty Ltd	11/02/2010	7bk	21.68	1,8
Morck's Well Project					
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	Grosvenor Gold Pty Ltd	6/3/2015	155.90ha	1.56	
P52/1503	Grosvenor Gold Pty Ltd	6/3/2015	172.86ha	1.73	
P52/1504	Grosvenor Gold Pty Ltd	6/3/2015	191.81ha	1.92	
Cashmans Project					
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
Forrest Project					
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	Grosvenor Gold Pty Ltd 80% Jackson Minerals Pty Ltd 20%	6/3/2015	179.33ha	1.79	2
P52/1495	Grosvenor Gold Pty Ltd 80% Jackson Minerals Pty Ltd 20%	6/3/2015	181.09ha	1.81	2
P52/1496	Grosvenor Gold Pty Ltd 80% Jackson Minerals Pty Ltd 20%	6/3/2015	183.70ha	1.83	2
Horseshoe Well Project					
E52/3166	Grosvenor Gold Pty Ltd	18/12/2014	34bk	103.92	8
E52/3248	Grosvenor Gold Pty Ltd 85% Omni Projects Pty Ltd 15%	31/03/2015	11bk	33.62	9
E52/3291	Grosvenor Gold Pty Ltd 85% Omni Projects Pty Ltd 15%	02/03/2016	13bk	39.73	9
Notes:					
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.					
1. RNI option to purchase.					
2. Peak Hill Sale Agreement: GG 80%, Jackson Minerals Pty Ltd (JM) 20% & free carried to a decision to mine.					
3. 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.					

4. 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.
5. Earning 70% JV interest.
6. Metals X Limited owns gold mineral rights over GG 80% interest.
7. Metals X Limited owns gold mineral rights.
8. Metals X Limited has a first right of refusal over disposal of RNI and GG interests.
9. GG 85% beneficial interest, Omni Projects Pty Ltd 15% beneficial interest.

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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