

31 August 2017

Company Announcements Office, ASX Ltd

Exploration Update

Mt Ridley Project, Albany – Fraser Range

Mount Ridley Mines Ltd (ASX: **MRD**) (or “the **Company**”) is pleased to announce an exploration update at its 100% owned Mt Ridley Project in the Albany Fraser Range Province (WA).

Proposed Exploration

- Proposed extensional bedrock air core drilling testing defining Ni/Cu/S geochemistry geological, gravity and magnetic features identified at The Lake and Keith's
- Geophysics surveys booked for January at Winston's, plus also The Lake and Keith's target areas
- Gold geochemistry identified during the Broken Hill type geochemistry survey, infill and extension geochemistry planned

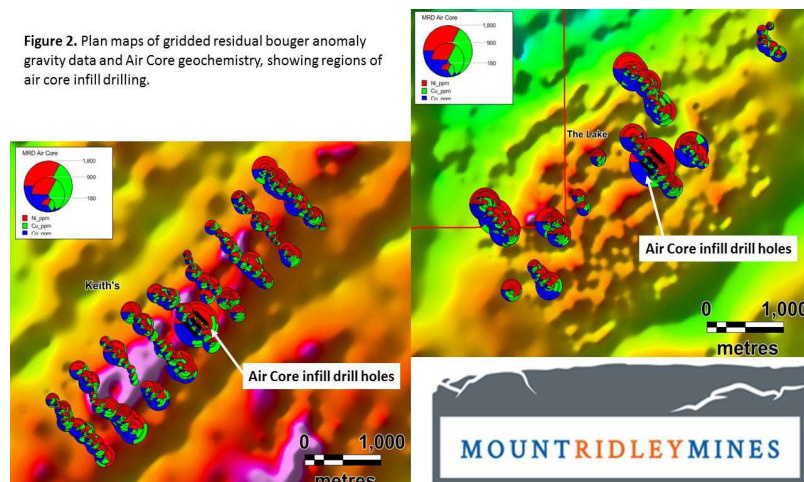
The Company is currently doing internal data reviews of the Mount Ridley project. A number of targets have been identified across commodities of interest including Ni/Cu and gold.

Due to the location close to Esperance on WA's south west coast, access in this lake laden project area has proven to be challenging. Hence the Company is gearing up and booking rigs and EM crews for when access is dryer and warmer over the coming months.

Two coincident nickel, copper and sulphur geochemistry targets were identified in the first quarter of 2017 and infill air core drilling in April and May (ASX announcement 20 June 2017) have confirmed and identified two areas of interest at The Lake and Keith's. These two targets will have additional air core drilling, planned for October/November depending on access.

Further results pending, the Company will evaluate whether to commence immediately with RC drilling or plan HP EM surveys for deeper target identification.

Figure 2. Plan maps of gridded residual bouguer anomaly gravity data and Air Core geochemistry, showing regions of air core infill drilling.



MOUNT RIDLEY MINES LIMITED

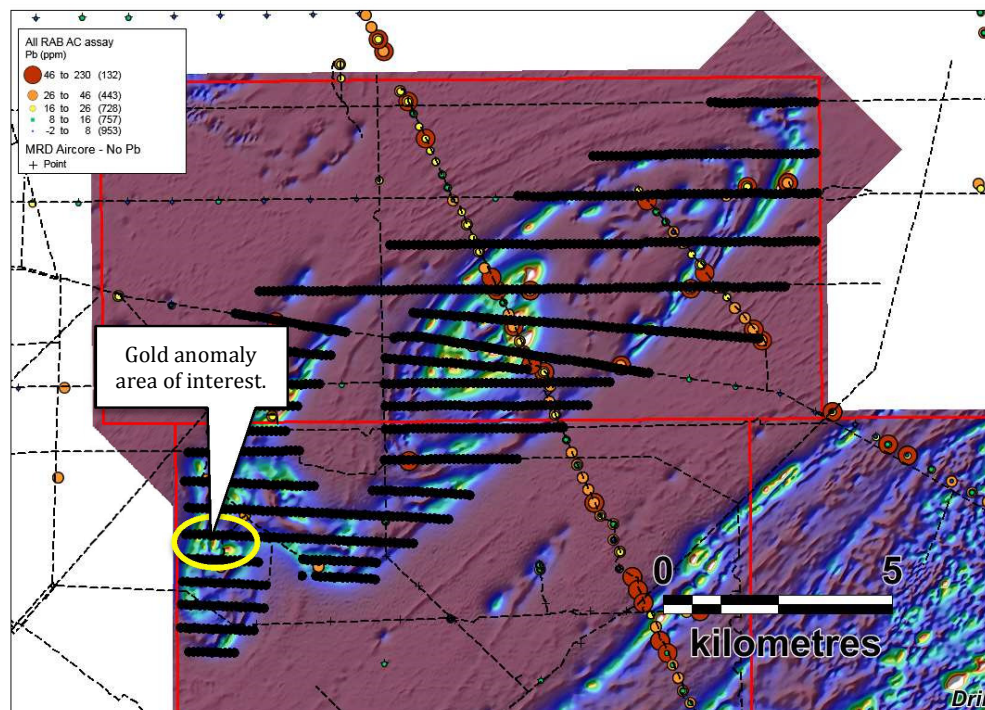
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Unit 10/100 Hay St, Subiaco, WA 6008 | PO Box 8170, Subiaco WA 6008

A 500m x 100m sample spacing auger programme targeting Broken-Hill type lead-zinc mineralisation of 1,064 samples (ASX announcement 20 June 2017) has been modelled. Data to date has not produced any Broken Hill style lead-zinc anomalies that warrant further exploration activities.

However, a low-level gold anomaly has been identified within the south west section of the auger geochemistry program. The gold anomaly is of interest as this part of the Albany Fraser belt historically hasn't been expected to produce significant anomalism in gold. With background levels below detection recorded over a large portion of the geochemistry survey area, an anomalous zone of up to 11 ppb gold in soils has been identified in what appears to be a favourable magnetic complex. An infill auger survey with spacing of 100m x 50m will be conducted to confirm the anomalous values.

METAL	UNITS	METHOD	LAB	Max	Min	% >LOD
Au	ppm	AuME-TL43	ALS Perth	0.011	0.001	79%



The Company looks forward to further updates as results and modelling become available.

For and on behalf of the board

Mr Ashley Hood
Managing Director



Visit www.mtridleymines.com.au for additional information including past announcements.

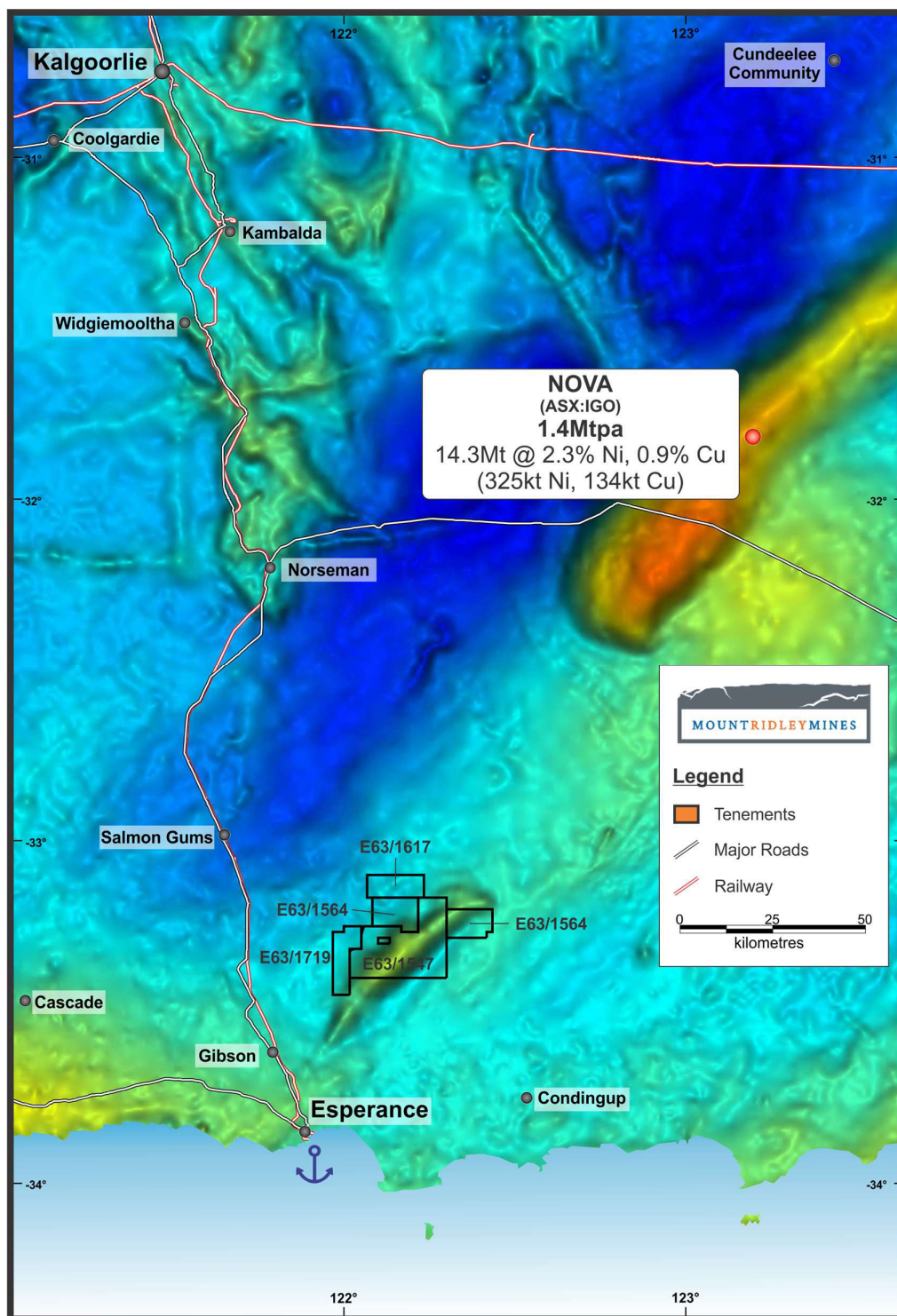
Competent Persons Statement

The information in this announcement that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Tony Donaghy who is a Registered Professional Geoscientist (P.Geo) with the Association of Professional Geoscientists of Ontario (APGO), a Recognised Professional Organisation. Mr Donaghy is a technical advisor to the Company. Mr Donaghy has sufficient experience which is relevant to the style 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 Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Donaghy consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Looking Statements Disclaimer

This announcement contains forward-looking statements that involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

About Mount Ridley Mines Ltd





Mount Ridley Mines Ltd is a Perth based Australian Exploration Company focusing primarily on projects in the Albany Fraser Range region of Western Australia, 70kms north east of a major port in Esperance. The project has the potential to host major mineral deposits in base and precious metals including nickel, copper, cobalt, silver and gold.

The Company is managed by a team of highly motivated professionals with significant expertise in mineral exploration, mining operations, finance and corporate management with a proven track record of successfully delivering value to shareholders.

Mount Ridley Mines Ltd is actively targeting nickel and copper sulphide deposits in the Albany Fraser Range Province of Western Australia, the site of Independence Groups Nova Nickel-Copper Deposit discovered by Sirius Resources NL. The Company currently has a tenement portfolio of approximately 1,000sq/kms in what is fast becoming the world's most exciting emerging nickel and copper province.