

# SIGNIFICANT TARGETS IDENTIFIED BY SAM SURVEY BOOSTS CONFIDENCE IN THE SUMITOMO JV BREELYA - MINNIE HILL CAMP



## Highlights

- **SAM survey identified 22 new targets and further boosts confidence in the Sumitomo JV Breelya - Minnie Hill Gold Camp**
- **Almost all the SAM-generated gold targets are coincident with gold anomalies from previous sparse and widely spaced drilling**
- **Two conductors associated with ultramafic rocks represent nickel sulphide targets**
- **Follow up drill programs at Breelya - Minnie Hill are currently being planned and anticipated to start in Q4 2013**

In addition to the targets identified at the Pacific Dunes – Corkwood Gold Camp (refer ASX announcement 14 August 2013), Gold Road Resources Limited (**Gold Road** or the **Company**) (ASX: GOR) has identified **22 new high-priority gold targets** from the Airborne Sub-Audio Magnetic (**SAM**) survey within the **Sumitomo Joint Venture** tenements at the **Breelya – Minnie Hill Gold Camp**, located approximately 50 kilometres south of the high-grade Central Bore gold deposit of the Yamarna Greenstone Belt.

The Breelya – Minnie Hill Gold Camp is one of the “high-priority Gold Camp Targets” identified through the Regional Targeting exercise undertaken through 2012 – 2013 (refer ASX announcement dated 6 June 2013). The new gold targets were identified using the SAM survey in July 2013 by Gap Geophysics Australia Pty Limited (Figure 2 & 3).

The SAM survey covered an area of approximately 85 square kilometres on two grids (10km x 3.8km and 10km x 4.5km). The total survey distance was approximately 825 line-kilometres with line spacing of 100 metres. The Breelya – Minnie Hill area is characterised by the presence of sand and Permian sandstone cover up to 40 metres thick. Due to this cover, the majority of historical surface geochemistry is not effective.

Gold Road Chairman Ian Murray said: “The identification of these targets at Breelya – Minnie Hill Camp, together with the targets identified at Pacific Dunes – Corkwood Camp last week, shows the Company’s regional exploration strategy has successfully delivered targets, aligning with our targeting approach started in 2012 and unlocking the potential of the Yamarna Belt.”

“We look forward to drill testing these Camps and selected Redox Targets through the remainder of this year.”

ASX Code: GOR

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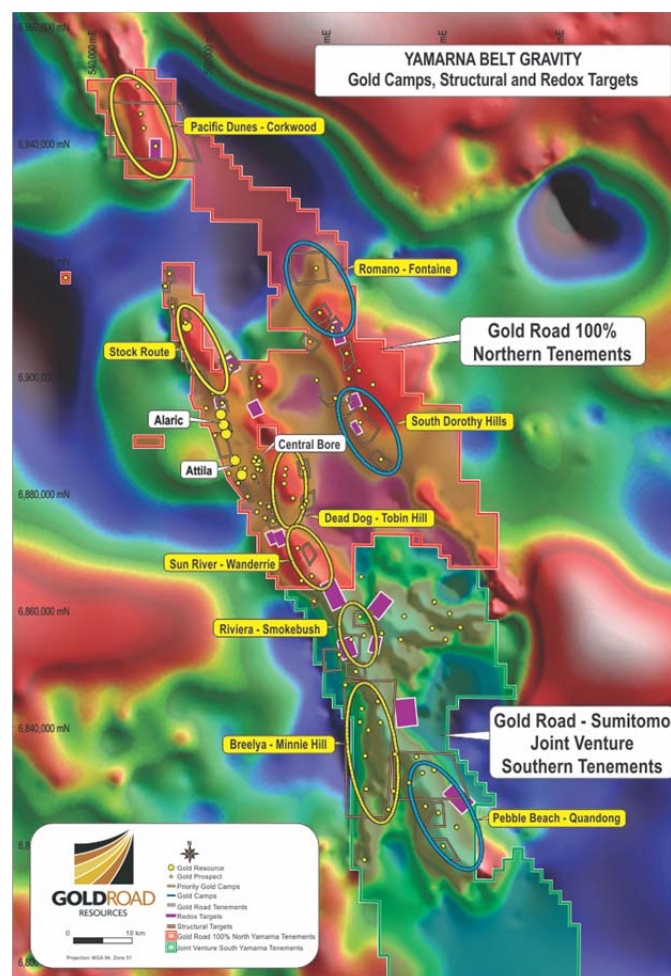


Four sets of data have been received from the SAM survey:

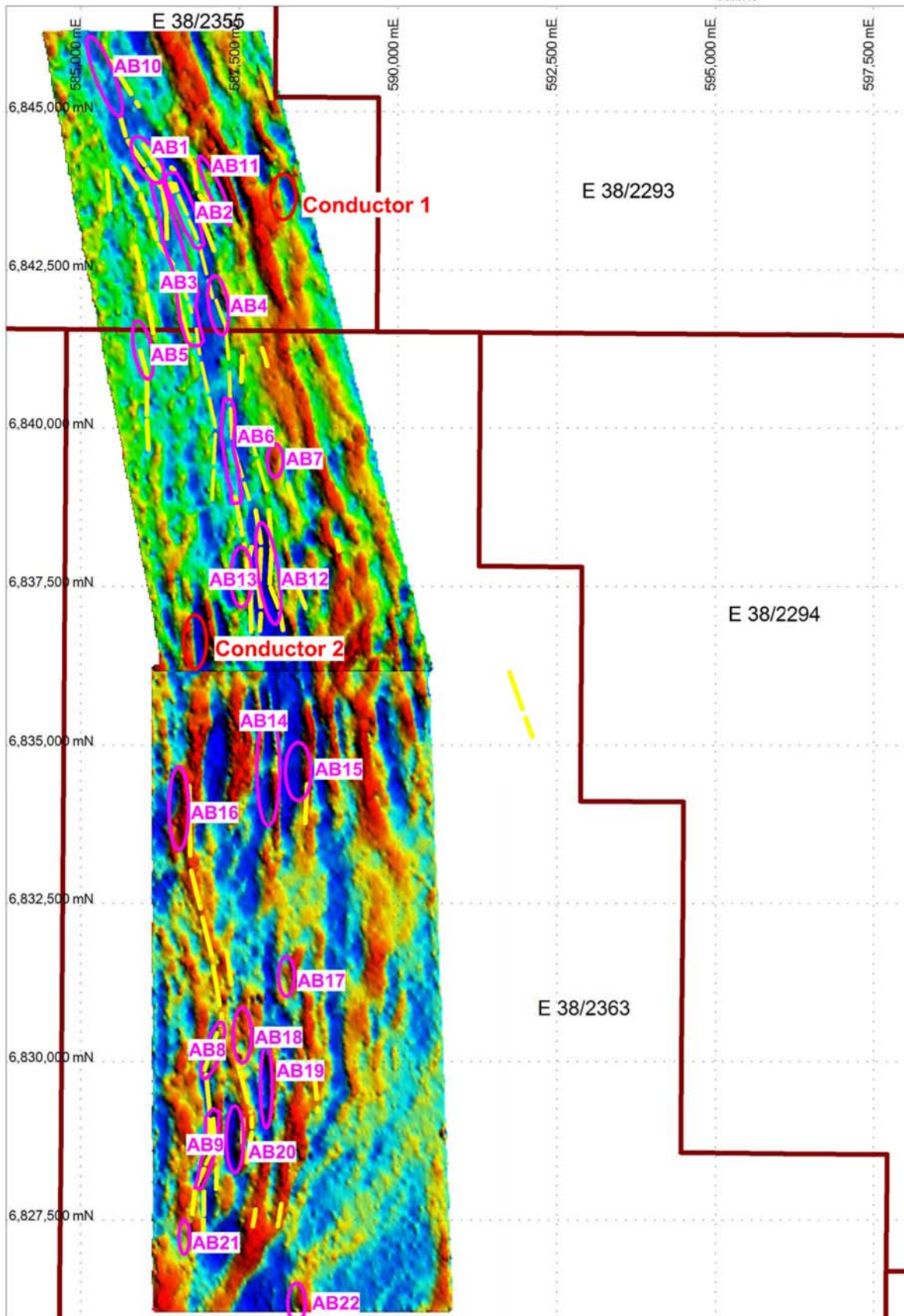
1. Total Magnetic Intensity - **TMI**
2. Equivalent Magnetometric Resistivity - **EQMMR**
3. Total Field Electromagnetic - **TFEM**
4. Digital Elevation Model - **DTM**

The interpretation work carried out by Core Geophysics has generated 22 gold targets, which will be assessed and ranked by Gold Road and Sumitomo, prior to follow up drilling in late 2013. 12 of the SAM-generated gold targets coincide with historically derived gold anomalies from sparse and widely spaced drilling or soil surveys (Figures 2 and 3). The main gold targets and historical gold anomalies within the Breelya – Minnie Hill Camp can be traced over 20 km and are associated with two magnetic trends that are separated by 1 – 2 km.

Two conductors with a strong TFEM response (Conductor 1 and Conductor 2 on Figures 2 and 3) correlate with ultramafics and represent potential nickel sulphide targets.

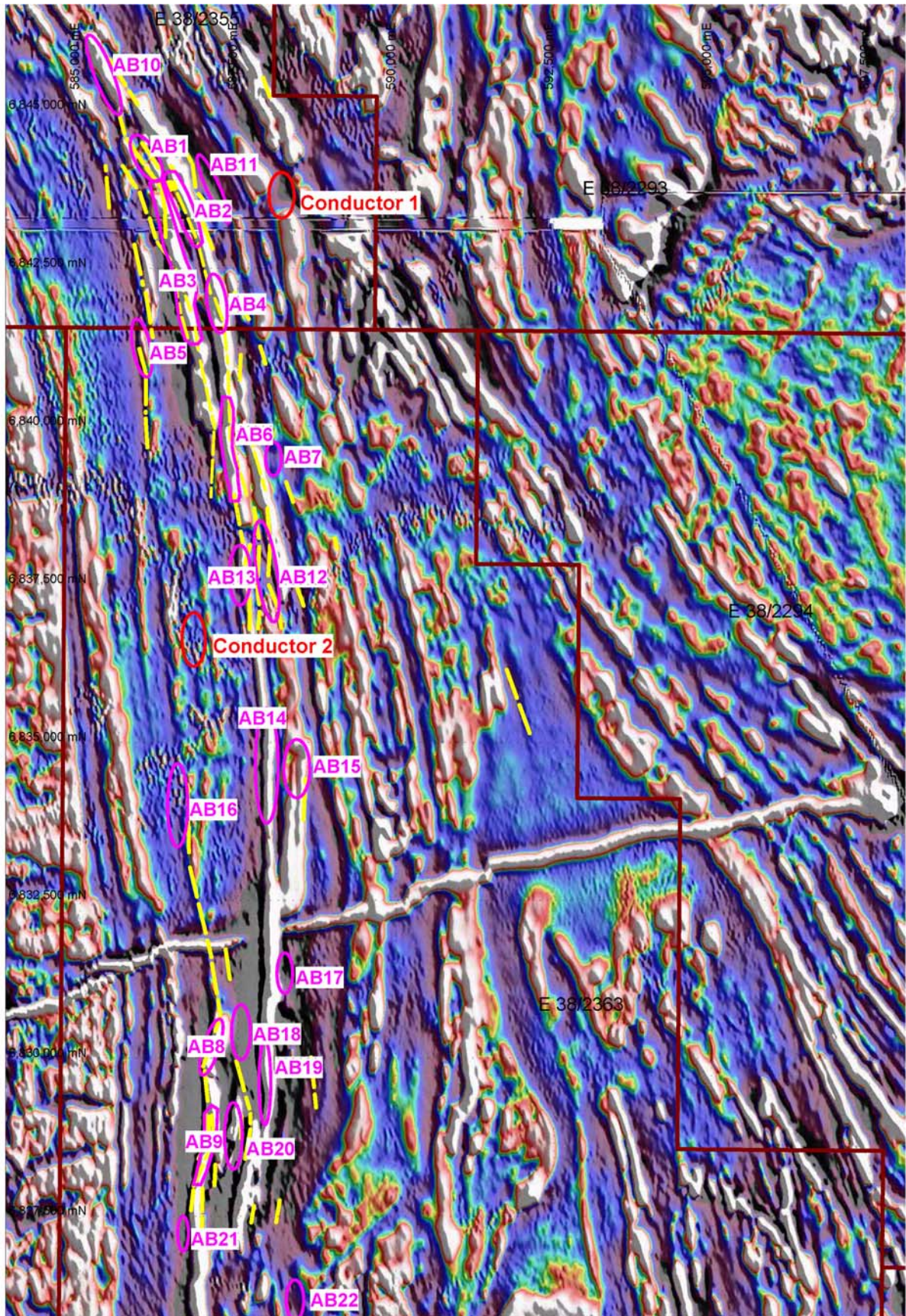


**Figure 1:** Gold Road 100% tenements and Gold Road-Sumitomo South Yamarna Joint Venture tenements showing location of Gold Camps and Redox Targets



**Figure 2:** Breelya – Minnie Hill SAM generated gold targets (pink) over EQMMR first vertical derivative image (high conductivity in red and yellow, high resistivity in blue) with gold anomalous trends (yellow lines) and conductors (red)





**Figure 3:** Breelya – Minnie Hill SAM generated gold targets (pink) over airborne magnetics first vertical derivative image with gold anomalous trends (yellow lines) and conductors (red)



## Exploration Program for 2013

Target Area	Anticipated Drilling Dates (subject to change due to drill results)
South Dorothy Hills – Yam 13 & 14 (Gold Road 100%)	August - September 2013
Breelya – Minnie Hill (Gold Road-Sumitomo South Yamarna Joint Venture)	September - October 2013
Pacific Dune – Corkwood (North Yamarna – Gold Road 100%)	November 2013

### About SAM

SAM is an active source geophysical method that channels current into conductive sub-surface features, generating an electromagnetic field that is detected at the surface. It produces high-resolution images of conductivity structure in the regolith and bedrock that is very useful for mineral exploration at prospect scale. SAM can work over salt lakes and deep cover. SAM is an excellent geophysical tool for gathering high-resolution subsurface information over a prospect scale area. Faults and shears interpreted from SAM images are complementary to structural information from magnetic and gravity images.

The EQMMR results can then be related to conductivity contrasts due to conductive minerals and differential weathering within shear zones, different lithologies, lithological contacts and structures. In general, the EQMMR highs can be interpreted as sites of increased current flow in zones of higher conductivity or more intense weathering in the regolith, whereas EQMMR lows highlight more resistive areas.

SAM surveys have been successfully applied at several locations including St. Ives Gold Mine, Songvang Gold Deposit near Agnew, Indee Gold Prospect, Lena Shear near Cue, Bogada Bore Gold Prospect and the Woodie Woodie Manganese Mine.

For further information please visit [www.goldroad.com.au](http://www.goldroad.com.au) or contact:

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## About Gold Road Resources

Gold Road Resources Limited (ASX: **GOR**) is exploring and developing its wholly-owned **Yamarna Belt**, a newly discovered gold region covering ~5,000 square kilometres on the Yilgarn Craton, 150km east of Laverton in Western Australia.

Gold Road announced in May 2013 an exploration joint venture with Sumitomo Metal Mining Oceania Pty Ltd (a subsidiary of Sumitomo Metal Mining Co. Limited) for Sumitomo Metal Mining to earn up to 50% interest in Gold Road's South Yamarna tenements, an area covering 2,720km<sup>2</sup>.

The Yamarna Belt, adjacent to the 500 kilometre long Yamarna shear zone, is historically underexplored and highly prospective for gold mineralisation. Geologically similar to the prolific Kalgoorlie Gold Belt, the Yamarna Belt has a resource of 1.3 million ounces of gold, hosts a number of significant new discoveries and lies north of the 7.9 million ounce Tropicana deposit.

Gold Road is prioritising exploration of five **Gold Camp Targets** on the Yamarna Belt. Identified in 2012 through interpretation of various geological and geophysical data sets, each target has a 15-20 kilometre strike length and contains numerous prospects. Initial exploration of these targets has been very encouraging.

Gold Road plans to fund exploration through production from its more developed projects – Central Bore and Attila. Central Bore Project has a JORC resource of 201,100 ounces of gold at an average grade of 7.7g/t Au and includes the high-grade Imperial Shoot, which has a JORC Resource of 112,200 ounces of gold at an average grade of 22.7g/t Au. Attila has a JORC Resource of 1,060,000 ounces of gold at an average grade of 1.3g/t. It extends more than 33 kilometres and contains numerous deposits including Attila, Alaric, Khan and Khan North.

**Current JORC compliant Gold Resource. Note: rounding errors may occur**

Project Name (cut-off)	'000t	Grade g/t Au	Ounces Au
<b>Central Bore (1.0 g/t) (2013)</b>	<b>814</b>	<b>7.7</b>	<b>201,100</b>
Measured	43	26.6	36,700
Indicated	428	8.7	119,300
Inferred	343	4.1	45,100
<b>Attila Trend (0.5 g/t) (2012)</b> (encompasses Attila South; Attila North; Alaric; Khan and Khan North projects)	<b>25,527</b>	<b>1.29</b>	<b>1,060,000</b>
Measured	8,382	1.44	389,000
Indicated	9,360	1.24	373,000
Inferred	7,785	1.19	298,000
<b>TOTAL</b>	<b>26,341</b>	<b>1.5</b>	<b>1,261,100</b>

### NOTES:

The information in this report which relates to Exploration Results or Mineral Resources is based on information compiled by Ziggy Lubieniecki, the Technical Director of Gold Road Resources Limited, who is a Member of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. Mr Lubieniecki has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Lubieniecki consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.