



6 June 2013

Exploration Update EM Conductor Identified for Drilling at Bedonia Nickel-Copper Project

Heron Resources Limited (ASX: HRR) is pleased to provide an update on the results of exploration being carried out at its wholly owned nickel-copper projects in the Albany Fraser Mobile Zone of Western Australia.

Heron Resources Limited

ASX:HRR

Issued Shares 253M

Share Price \$0.14

Market Cap \$35M

Cash (Mar 2013) \$40M

Albany Fraser Mobile Zone

- A soil covered Electro-Magnetic conductor has been identified at the Bedonia Nickel-Copper Project.
- Planning for up to 1,200 metres Reverse Circulation drilling.
- Additional ground applied for adjoining Bedonia to the north and west in prospective Proterozoic geological settings, covering historic gold and copper occurrences, and consolidating Heron's tenure.

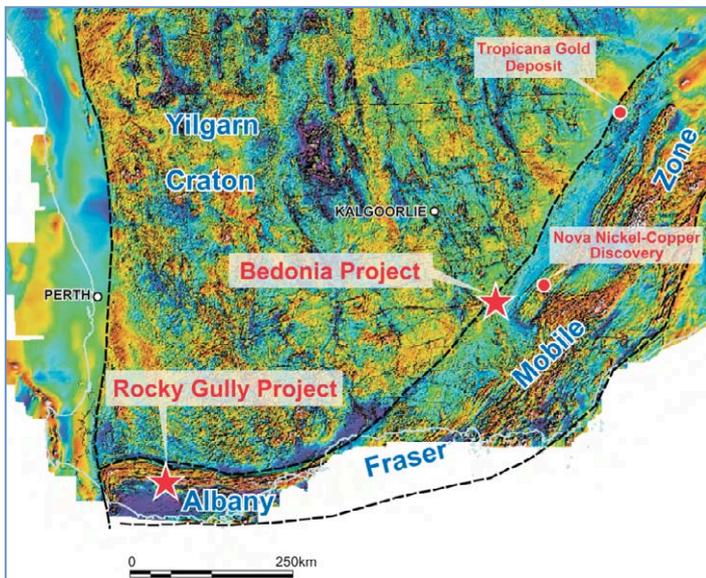
Bedonia Nickel-Copper Project (Heron 100%)

At the Company's Bedonia Project located 65 kilometres east of Norseman, recent ground based Electro-Magnetic surveys have identified a discrete bedrock conductor broadly coincident with the previously announced soil geochemistry anomaly and on the periphery of a magnetic high.

The project is located some 60 kilometres west southwest of the Nova nickel-copper discovery (Sirius Resources NL) within the Albany Fraser Mobile Zone (Figure 1). The area is underlain by rocks of the Proterozoic Mount Andrews Migmatite Complex where there is potential for nickel-copper deposits associated with late stage mafic-ultramafic bodies. There is also potential for copper mineralisation associated with meta-sediments contained within the gneissic rocks similar to that found at the Woodline Beds copper occurrence 30 kilometres to the north of Bedonia.

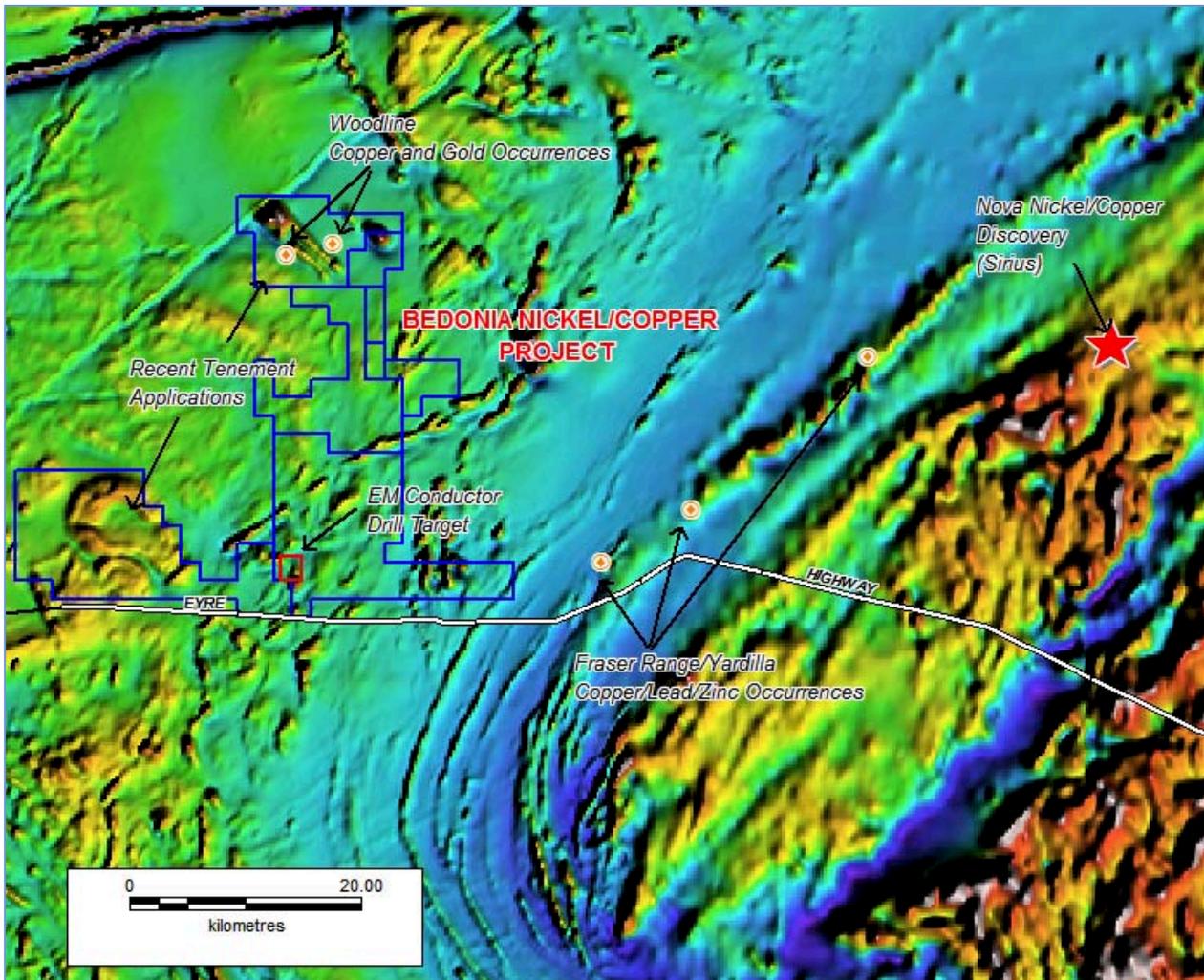
Figure 1 Albany Fraser Mobile Zone aeromagnetics - showing key projects

Figure 2 Typical Eucalypt woodland in the Bedonia project area



Field checking of the anomalous area has indicated that it is mostly soil covered (Figure 2), and is not within any of the lake systems that occur further to the east. The Company is now planning to test the conductor anomaly, initially with RC drilling and is currently working through the statutory approvals processes.

Figure 3 Aeromagnetic image showing Bedonia Project tenements with known mineral occurrences, Heron drill target and the recent tenement applications made by Heron on the area.



The EM survey was managed by Heron's geophysical consultants (Newexco) and consisted of an initial broad based moving loop survey followed by a series of the fixed loop surveys to better define the anomaly. The anomaly is considered to be related to a bedrock conductive body with a time constant modelled at around 14 milliseconds. The conductive unit is modelled as being some 200 metres below the surface which is relatively deep and may account for the more subtle response seen at the surface.

The EM conductor has an apparent WNW strike, oblique to the regional trend suggesting remobilisation along a cross-cutting structure (see Figure 4 below). The conductor is adjacent to and partly overlaps a coherent copper and nickel soil auger geochemical anomaly. In addition, there is a subtle magnetic high on the shoulder of the broader magnetic high in the area; this magnetic feature has also been modelled and will be drill tested as part of the RC program.

Figure 4 Detailed aeromagnetic image showing relationship between magnetic features, soil anomalies and identified EM conductors. Both the EM conductors and magnetic anomalies will be RC drill tested.

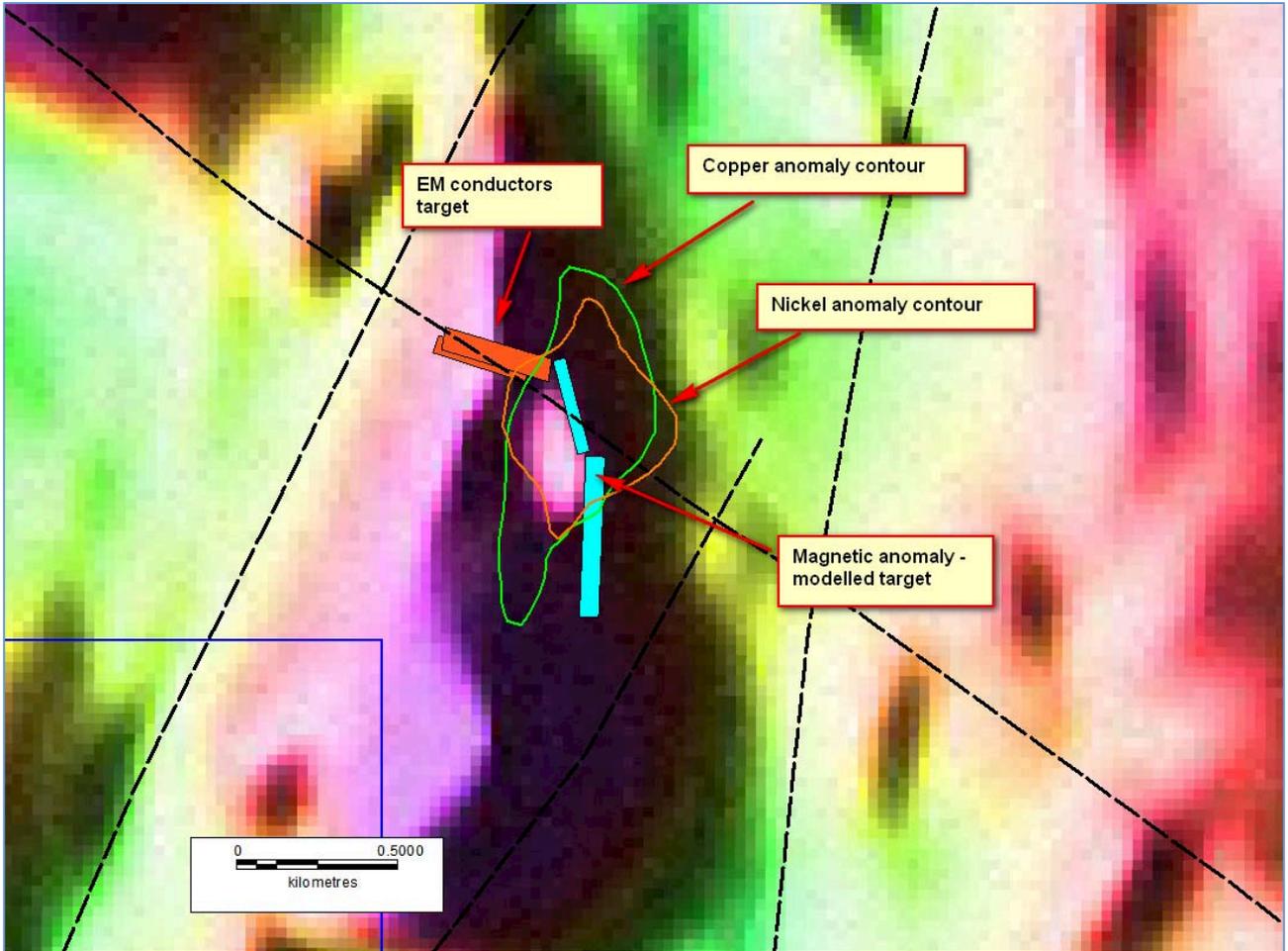


Figure 5 Image showing the gridded EM anomaly and modelled plate

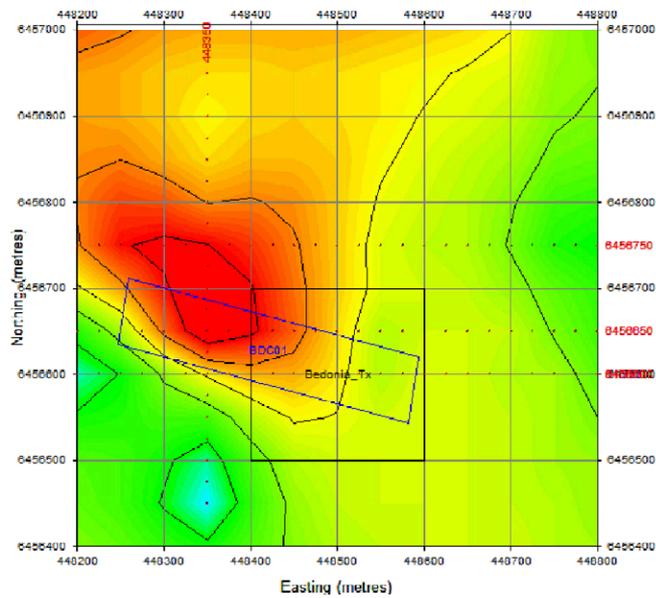
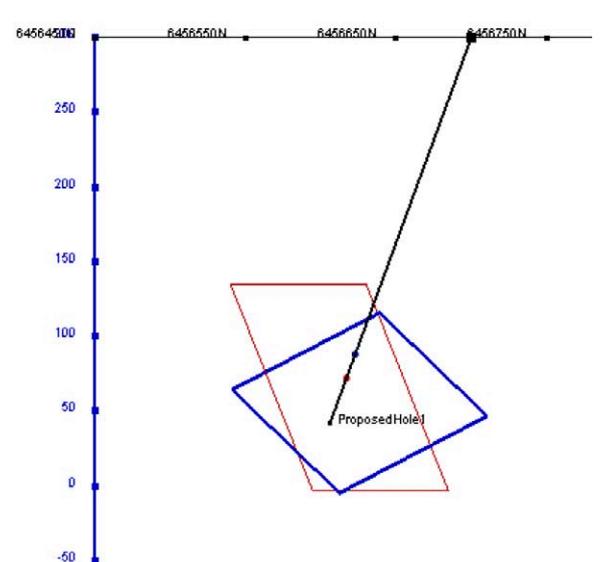


Figure 6 Proposed drillhole to test the modelled plate at depth (230m intercept depth)



New Bedonia Tenement Applications

As shown in Figure 3, Heron has also made a number of recent tenement applications over magnetic features in the area including known historical copper and gold occurrences at Woodline. The additional applications bring Heron's tenure in area to some 680km². These applications consolidate Heron's ground position in the area and will provide additional targets for future testing.



Ian Buchhorn
Managing Director

Heron Resources Limited

The information in this report that relates to Exploration is based on information compiled by David von Perger who is a Member of the Australasian Institute of Mining and Metallurgy. David von Perger is a full time employee of Heron Resources Limited. David von Perger has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the exploration activity that he is undertaking 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". David von Perger has consented to the inclusion in this report of the matters based on his information in the form and context that it appears.