



**KALGOORLIE-BOULDER  
RESOURCES LTD**  
ABN 48 106 732 487

**ASX Announcement**

**ASX Codes: KAL, KALO**

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### **SQUID EM LOCATES CONDUCTORS AT CLINKER HILL NICKEL PROJECT**

- **Ground SQUID EM survey locates seven conductors at the Clinker Hill Nickel project.**
- **Most conductors are located proximal to the mapped basal contact and multi-element Nickel (Ni), Copper (Cu), Cobalt (Co) and Platinum Group Elements (PGE) soil anomalies.**
- **The Company is commissioning a 1500 metre Diamond Core drilling program to test these anomalies in the period ahead.**

Kalgoorlie Boulder Resources Limited (ASX:KAL) is pleased to announce positive results from its recently completed SQUID EM geophysical survey at Clinker Hill, following the recent successful Norseman Gold project Scoping Study.

The presence of these conductors further elevates the prospectivity of the Clinker Hill project to host nickel sulphide mineralisation.

The Company has previously conducted geological mapping and soil geochemistry surveys which indicated ideal geological conditions existed at the project to host a nickel sulphide orebody.

KBRL Chairman Michael Atkins said "*The results of the Geophysical survey, confirms our long held belief that the geological environment is positive for Nickel Sulphide mineralisation at the Clinker Hill project.*"

The SQUID EM survey totalled 34.5 line kilometres and covered 6 square kilometres of the highly prospective basal contact zone of the Clinker Hill Project.

The survey was undertaken to follow up three main geochemical soil anomalies. The most significant anomaly is a 700ppm Nickel anomaly that covers an area of approximately 900 metres x 100 metres in a possible favourable embayment in the basal contact. There is also a 400ppm nickel anomaly that extends 5 km along the basal contact and an isolated 300ppm anomaly to the south west. These anomalies are coincident with elevated Cu, PGEs and Co values.

The survey has identified seven extremely promising EM conductors along the basal contact (see map).

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Four (4) of the discrete conductors are located in a mapped embayment in the basal conduct. This area coincides with multi-element Ni, PGE, Cu and Co soil anomalies. Rock chip samples of a gossan in this area assayed 26.4% Cu, 1.4% Ni, 5.6g/t PGE, 58g/t Silver (Ag) and 2.4g/t Gold (Au). The mapped embayment may be a structural zone that permits the further concentration of nickel sulphide minerals.

### **EM Anomalies – Descriptions.**

- 1 *A very high intensity anomaly in the northern part of the project tenements.*
- 2 *A deep seated discrete anomaly along the basal contact in a possible embayment in the basal contact.*
- 3 *A shallow discrete anomaly along the basal contact in the embayment zone.*
- 4 *A shallow, very high intensity anomaly in the embayment area with a northerly orientation.*
- 5 *A discrete anomaly that has not been closed off and will need further EM surveying in order to complete modelling before it can be drilled.*
- 6&7 *Two high intensity anomalies within a longer more subtle anomaly. These anomalies are coincident with strong nickel and PGE (platinum group elements) soil anomalies. Both are high priority drill targets.*

The map of the EM Anomalies show the relative conductivity of each one with the projected surface plane in black and the relative intensity grading from pink (as the highest), then red, orange, yellow, green to blue (the lowest).

All these EM anomalies are located between 200 and 300 metres below the surface and will be tested by a 1500 metre diamond drilling program to be commissioned during the period ahead.

Michael Atkins  
Chairman

#### **About Clinker Hill**

The Clinker Hill Project consists of 19 prospecting licences and covers some 2,700 hectares 35km east south-east of Kalgoorlie. It is located between the Trans Australia Railway Line in the south and the historic gold mining centre of Bulong in the north.

The project area is 10km north-east of the Blair nickel mine and 20km north of the operating Carnylia Hill nickel mine of Mincor (MCR) and View Resources (VRE).

The Nickel mines in the area have produced over 1.2 Million tonnes of Nickel. The main production has been from the Kambalda mining centre, which is approximately 40 kms south of the Clinker hill project.

*The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Richard Breyley, who is a member of the Australasian Institute of Mining and Metallurgy. Richard Breyley is a full time employee of Kalgoorlie Boulder Resources. Richard Breyley has sufficient experience which is relevant to the style of mineralisation and the type of ore deposit under consideration and the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves. Richard Breyley consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

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