

## COMPANY ANNOUNCEMENT

25 July 2013

### Highly Prospective Nickel Sulphide Exploration Targets Identified at Roe Hills

*TECHNICAL REVIEW DEFINES “KAMBALDA STYLE” KOMATIITE BELT*

#### Highlights

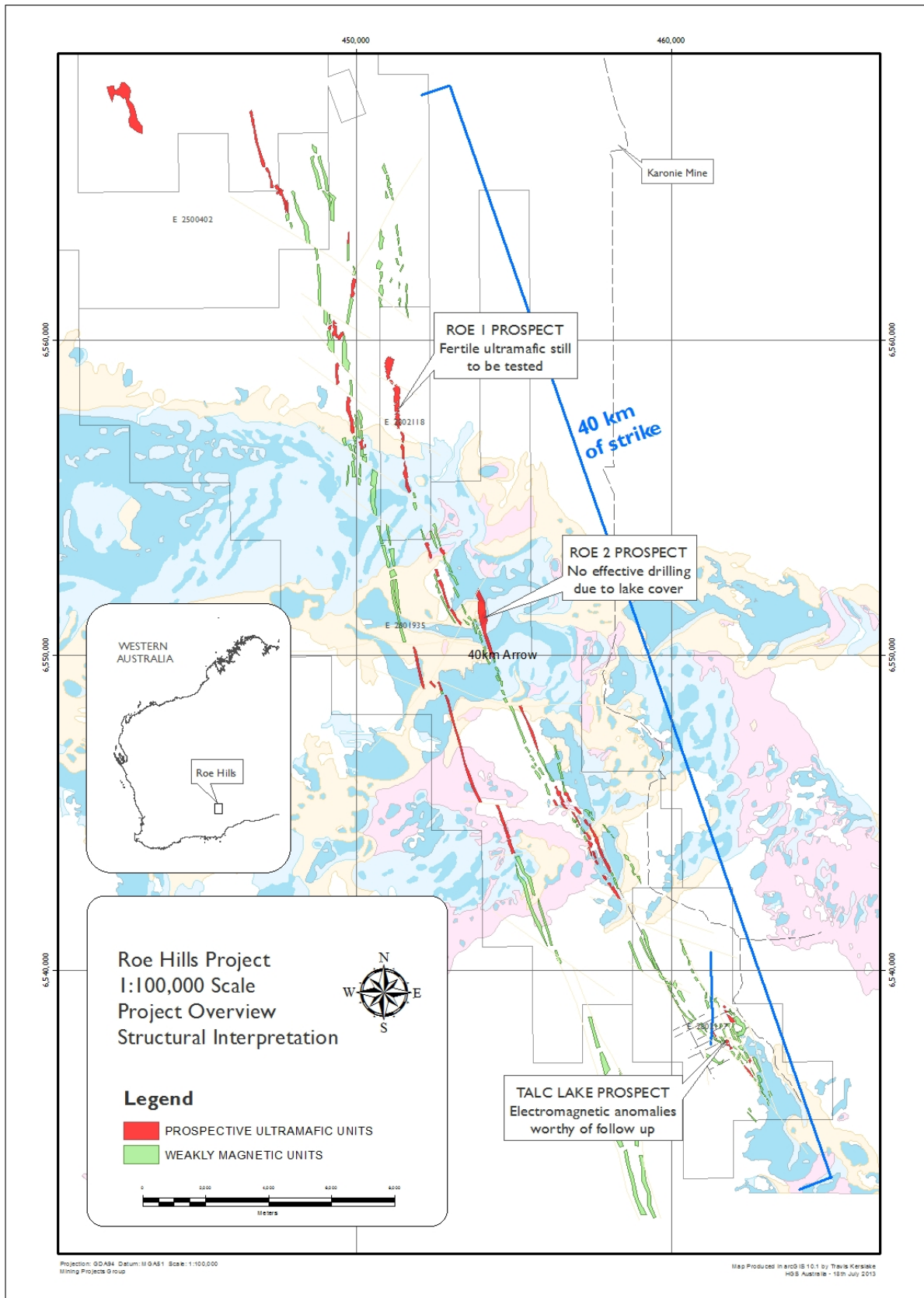
- Review of historic data has identified multiple nickeliferous komatiite flows over 40km strike
- Three prospects with multiple priority targets identified for follow up drilling programs
- All targets are open at depth with large volumes of fertile ultramafic lithology highly prospective for massive nickel sulphide mineralisation
- Significant areas of the ultramafic basal contact at Talc Lake remain untested at depth, to the north and south of high grade historic intercepts including:
  - 0.5m @6.15% Ni from 155.5m
  - 1.9m @1.65% Ni from 131.55m
  - 0.15m @1.33% Ni from 222.75m
  - 0.3m @1.46% Ni from 182.8m
  - 10.6m @0.39% Ni from 141.4m (at end of hole)
- Prospective gold anomalism also confirmed with a follow up RC program to investigate historic high grade intersections including:
  - 24m @1.01g/t\* Au from 144m (to end of hole) \*Including 2m @11g/t Au
  - 5m @13.7g/t Au from 48m (to end of hole)
- Bill Amann of Newexco Services appointed to conduct geophysical review and recommendations on final Drilling programs

Mining Projects Group (ASX: MPJ or “the Company”) is pleased to announce findings from a data review conducted on the Roe Hills Nickel Project (“Roe Hills”), located 110km east of Kalgoorlie, Western Australia. The review undertaken by HGS Australia (“HGS”) assessed all available historical data and then generated a 3D analysis of the project area. This analysis has identified and confirmed strong evidence of a **Kambalda style Komatiite belt** with significant nickel mineralisation occurring within the ultramafic rock types. **Three priority prospects with multiple exploration targets** have been identified, each highly prospective for massive nickel sulphide mineralisation. In addition **gold anomalism was confirmed as prospective**. HGS is now completing its recommended follow up drill programs to investigate each target.

Roe Hills has a **40km strike length of highly strained greenstone belt**, but has limited geological outcrop due to the presence of a large salt lake system in the southern half of the tenement area. However, previous field mapping and aeromagnetic data have provided an excellent framework for delineating the ultramafic lithology on the project area.

During deposition of the ultramafic Komatiites, separation of the olivine rich rocks occurred, this allowed HGS to identify lithologies (cumulates) potentially containing nickel sulphide as well as the basal contact on which the nickel sulphides rest. The **3D analysis highlighted three priority targets prospective for potential massive sulphide nickel mineralisation** and follow up drilling. The targets have been identified as; **Talc Lake, Roe 1 & Roe 2 (Figure 1)**.

Historical exploration at Roe Hills was completed by WMC Resources Ltd and Inco Ltd between 1995 and 2006 which were targeting nickel sulphides. However both programs consisted mostly of shallow aircore holes for geochemical identification. Of the holes that were drilled into the fresh rock, komatiitic ultramafic rocks were intercepted as well as low grade nickel sulphide. MPJ has combined all drilling information, existing electromagnetic data and geochemical results to vector in on zones of significance.



**Figure 1.** Targets and planned drilling suggested for the Roe Hills project.

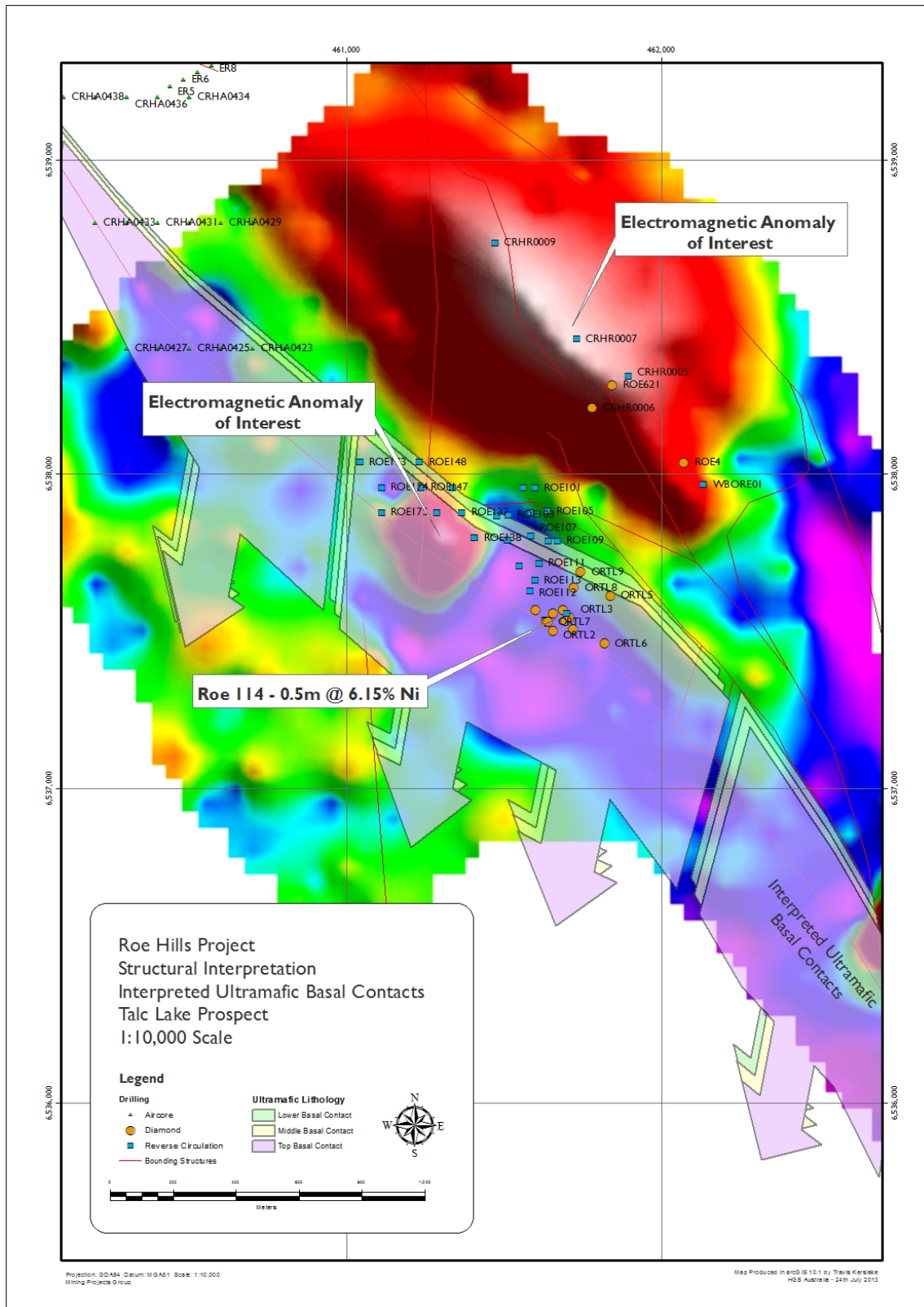
### **Talc Lake Prospect**

The Talc Lake Prospect is located at the southern edge of the Roe Hills project on E28/2117 and is considered the most prospective of the group. Previous drilling for nickel sulphide mineralisation in the area has **defined three prospective ultramafic flows**, analogous in style to that seen at Kambalda. Strong encouragement to continue exploration at depth and along strike is based on historic drilling results which include:

- **0.5m at 6.15% from 155.5m in RC drill hole ROE 114;**
- **1.9m @1.65% Ni from 131.55m;**
- **0.15m @1.33% Ni from 222.75m; and**
- **0.3m @1.46% Ni from 182.8m.**

The majority of drilling activity has been focused on one isolated area surrounding ROE 114 (see figure 2), yet **the optimal targets remain along strike both to the north and south and down dip of this area.**

The follow up drill program currently being designed by HGS will be based on two failings of historical exploration completed at Roe Hills; the lack of holes that penetrate the prospective ultramafic basal contact at depth and the concentration of work in one isolated area surrounding ROE 114. As part of the drill program a XRF analysis of the drill samples and downhole electromagnetics will be conducted at the drill rig to establish any immediate vectors towards more prospective areas based on the information collected.



**Figure 2:** Talc Lake Prospect showing ultramafic outline and trend, and electromagnetic anomalies of interest. The translucent overlay highlights the extensive ultramafic sequence with 3 defined flows down dipping to the south-east which remains substantially untested.

### **Roe 1 & 2 Prospects**

The Roe 1 & 2 Prospects encompass highly magnetic ultramafic units terminating due to faulting or thrusting. The geological logging, analysis of the magnesium content, background nickel levels and magnetic interpretation of the area suggest thick portions of **fertile ultramafic suitable for hosting economic deposits of massive nickel sulphides**.

At the Roe 1 Prospect a diamond hole (Roe 2) intersected the ultramafic rocks returned **10.6m @ 0.39% Ni at the end of the hole (141.4m)**. Prospective areas of ultramafic lithology remain untested at depth and to the south. In addition to the nickel sulphide prospectivity HGS has also highlighted gold prospectivity to the west.

At the Roe 2 Prospect drilling has not been conducted on the ultramafic unit in this area due to the salt lake system covering the region. This presents a significant opportunity to drill a number of holes from a smaller number of common pads to test the target and define the basal contact.

### **Gold Prospectivity**

HGS has also concluded a follow up is required to determine the prospectivity of mesothermal lode gold mineralisation at Roe Hills. As part of the review a number of historic holes, which have intersected gold regolith anomalism, are currently being analysed including:

- ROE 100:        2m @2.7g/t Au from 44m
- ROE 114:       2m @2.6g/t Au from 132m
- ROE 147:       24m @1.01g/t\* Au from 144m (to end of hole) \*Including 2m @11g/T Au
- ROE 247:       5m @13.7g/t Au from 48m (to end of hole)

### **Next steps**

The review by HGS and completion of the 3D analysis has confirmed a significant opportunity exists to discover massive sulphide nickel mineralisation and mesothermal lode gold mineralisation at Roe Hills. The opportunity is currently defined by four key indicators:

1. **Evidence of a nickel (Ni) and gold (Au) mineralising process within the Roe Hills have been confirmed;**
2. **Identifiable targets for nickel sulphide mineralisation have been interpreted from the electromagnetic data;**

3. **Historic drilling of prospective ultramafic units was confined to small isolated pockets, leaving large target areas to test for where mineralisation confirmed in historic high grade intercepts may be deposited;**
4. **Geological units located under thick surface cover have not been tested.**

In the lead up to drill programs at Talc Lake, Roe 1 and Roe 2, **MPJ has engaged Bill Amann from Newexco Services Pty Ltd (“Newexco”)**. Newexco has considerable experience in the successful interpretation of electromagnetics for massive nickel sulphides and consequent design of exploration programs which has lead to the recent discoveries at **Spotted Quoll and Nova**. Newexco will review previous electromagnetic surveying at Roe Hills conducted with both fixed and moving loop surveys at surface together with downhole electromagnetics on 7 historic holes. On completion of the review MPJ will finalise its drilling program for Roe Hills as proposed by HGS.

For And On Behalf Of The Board



Joshua Wellisch  
Managing Director  
Mining Projects Group Limited

For further Information visit: [www.miningprojectsgroup.com.au](http://www.miningprojectsgroup.com.au)

**COMPETENT PERSON STATEMENT:**

*The information in this announcement that relates to Exploration Results and Mineral Resources is based on information compiled by Andrew Hawker of Hawker Geological Services Pty Ltd. Mr Hawker is a member of the Australasian Institute of Mining and Metallurgy 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. This qualifies Mr Hawker 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 Hawker consents to the inclusion of information in this announcement in the form and context in which it appears.*