



24<sup>th</sup> September 2013

## COMPANY ANNOUNCEMENT

### **MPJ Prepares to Drill Priority Nickel Target at Talc Lake Prospect**

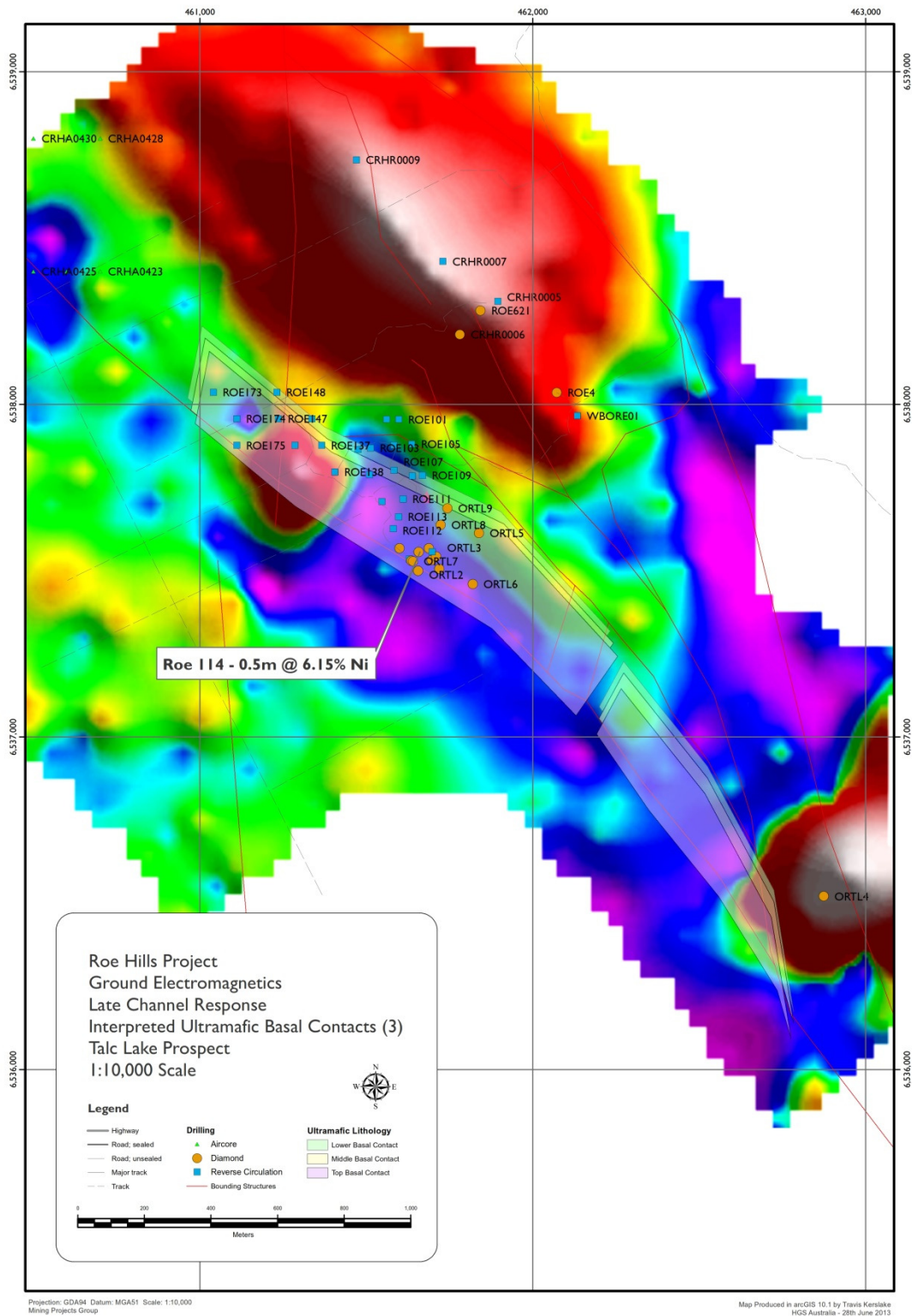
- **Results from core cutting of historical diamond drilling indicate thick fertile ultramafics**
- **Background values between 0.14% and 0.25% nickel and 20% and 30% MgO**
- **Confirmed conductor from DHEM geophysical modelling on hole ORTL9 of 800m strike length**
- **Drilling planned to intersect conductor commencing in October**

Mining Projects Group Limited (ASX:MPJ) (“the Company”) is pleased to announce it has received all assays from recent core cutting of the 2011 diamond drill program within the Roe Hills\Talc Lake Project area (100% owned by MPJ). The diamond program consisted of 5 diamond holes (ORTL5 to ORTL9) **focused around the historical WMC drill result of 0.5m @ 6.15% Ni, and one hole (ORTL4) targeting an electromagnetic anomaly to the south of the tenement (Figure 1).**

Significant results are as follows:

- **ORTL5: 145m @ 0.2%Ni and 27.5%MgO from 62m**
- **ORTL6: 41m @ 0.21%Ni and 29.5%MgO from 62m**
- **ORTL6: 48m @ 0.19%Ni and 27.3%MgO from 141.5m**
- **ORTL7: 73m @ 0.26%Ni and 29%MgO from 155m, including 1m @ 1%Ni from 214m**
- **ORTL8: 90m @ 0.2%Ni and 27%MgO from 69m**
- **ORTL9: 101m @ 0.18%Ni and 27%MgO from 2m, including 2m @ 0.6%Ni from 80m**







The results indicate the **ultramafic komatiite unit is thick and fertile** with relatively consistent background nickel grades and MgO grades indicative of the upper and central cumulative units of a komatiite flow. The results surround the targeted olivine-rich adcumulate (dunite) lower sequence containing the high MgO grades and potentially massive nickel sulphides. Figure 2 shows a conceptual drawing of the Talc Lake Prospect komatiite displaying the cumulate flows we have currently identified and what we are trying to achieve.

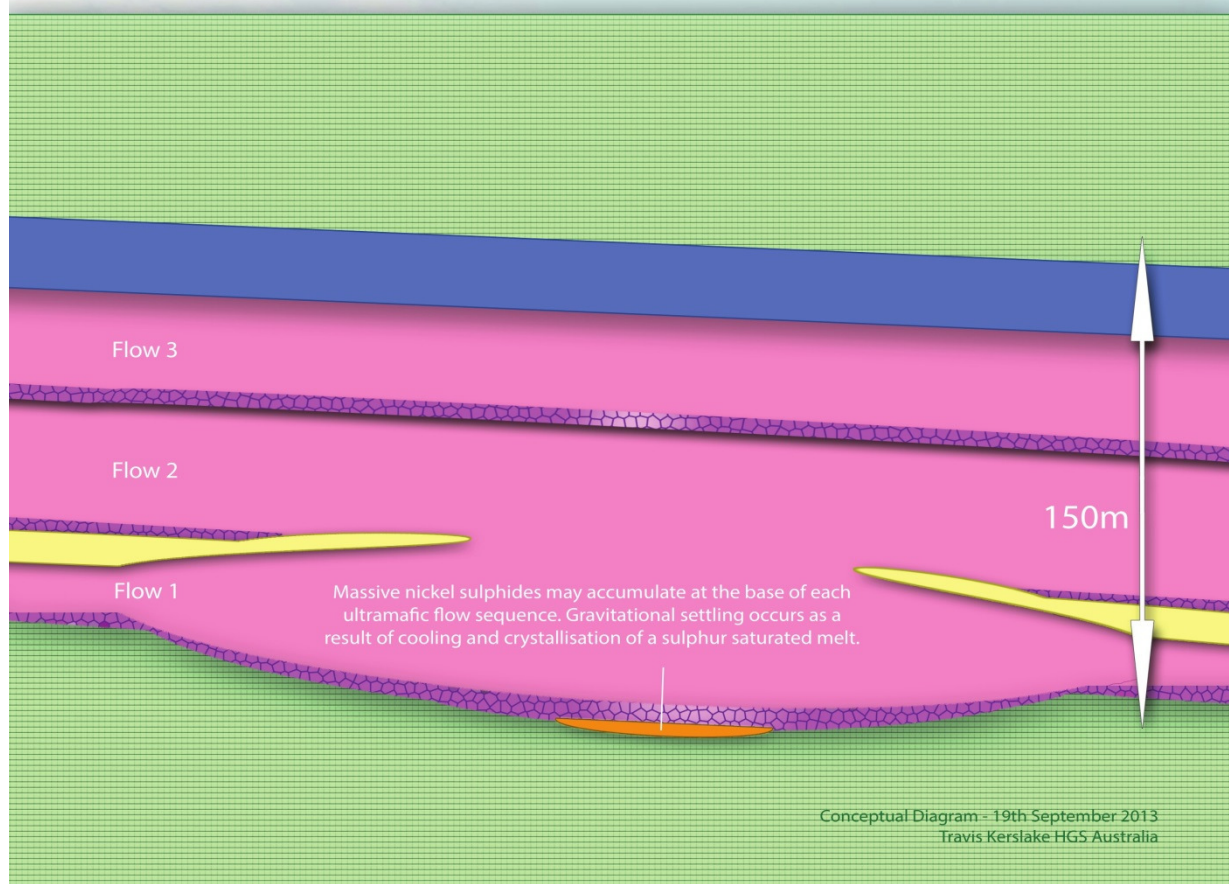


**Figure 1:** Talc Lake Prospect showing drilling, ultramafic outline and trend, and electromagnetic anomalies of interest. *The translucent overlay highlights the extensive ultramafic sequence with 3 defined flows down dipping to the south-east which remains substantially untested.*

## Conceptual Diagram of Roe Hills Komatiite Nickel Exploration Target



	Basalt		Prospective Basal Contacts
	Dolerite		Interflow Sediments
	Ultramafic		Massive Nickel Sulphide



**Figure 2:** Conceptual diagram of the Talc Lake Prospect Komatiite Ultramafic. *To date we have identified the upper ultramafic flows with interflow sediments. The area containing the massive sulphides sits at the base of the accumulate olivine rich phase resulting from gravitational settling during the cooling and crystallisation of the sulphur saturated lava.*

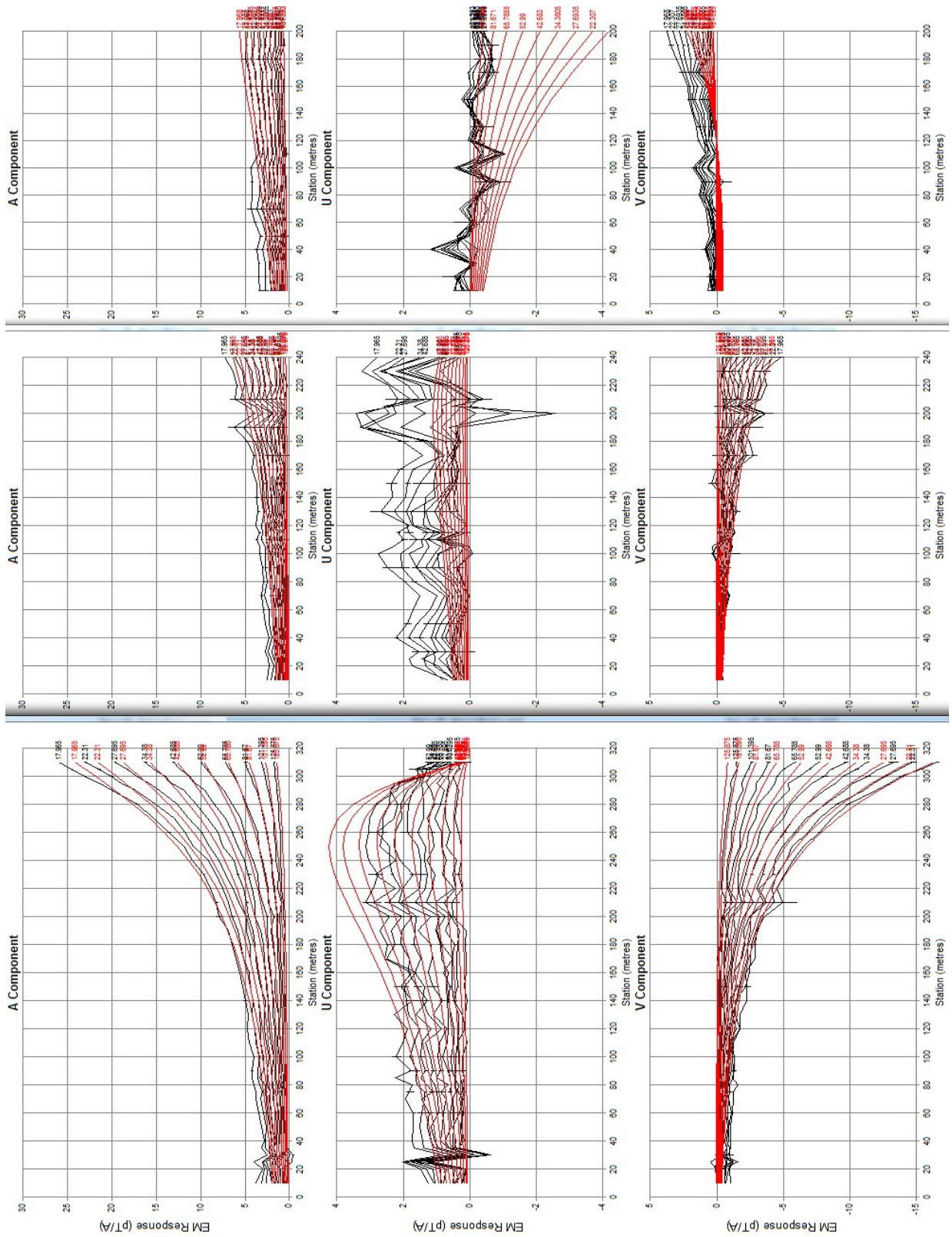
Recent geophysical modelling by Newexco regarding the **down-hole electromagnetics (DHEM) conducted in diamond hole ORTL9 has confirmed the identification of a 800m x 200m conductor approximately 100m from the base of the drill hole.** Figures 3 and 4 show how this forward modelling (red lines) of an idealised conductive plate would respond in a software simulation. **The interpretation suggests ORTL9 needs to be extended approximately 100 m in order to intersect the conductor.** Details of the conductor are in Table 1.

**Table 1:** Modelled plate parameters from DHEM geophysics in hole ORTL9.

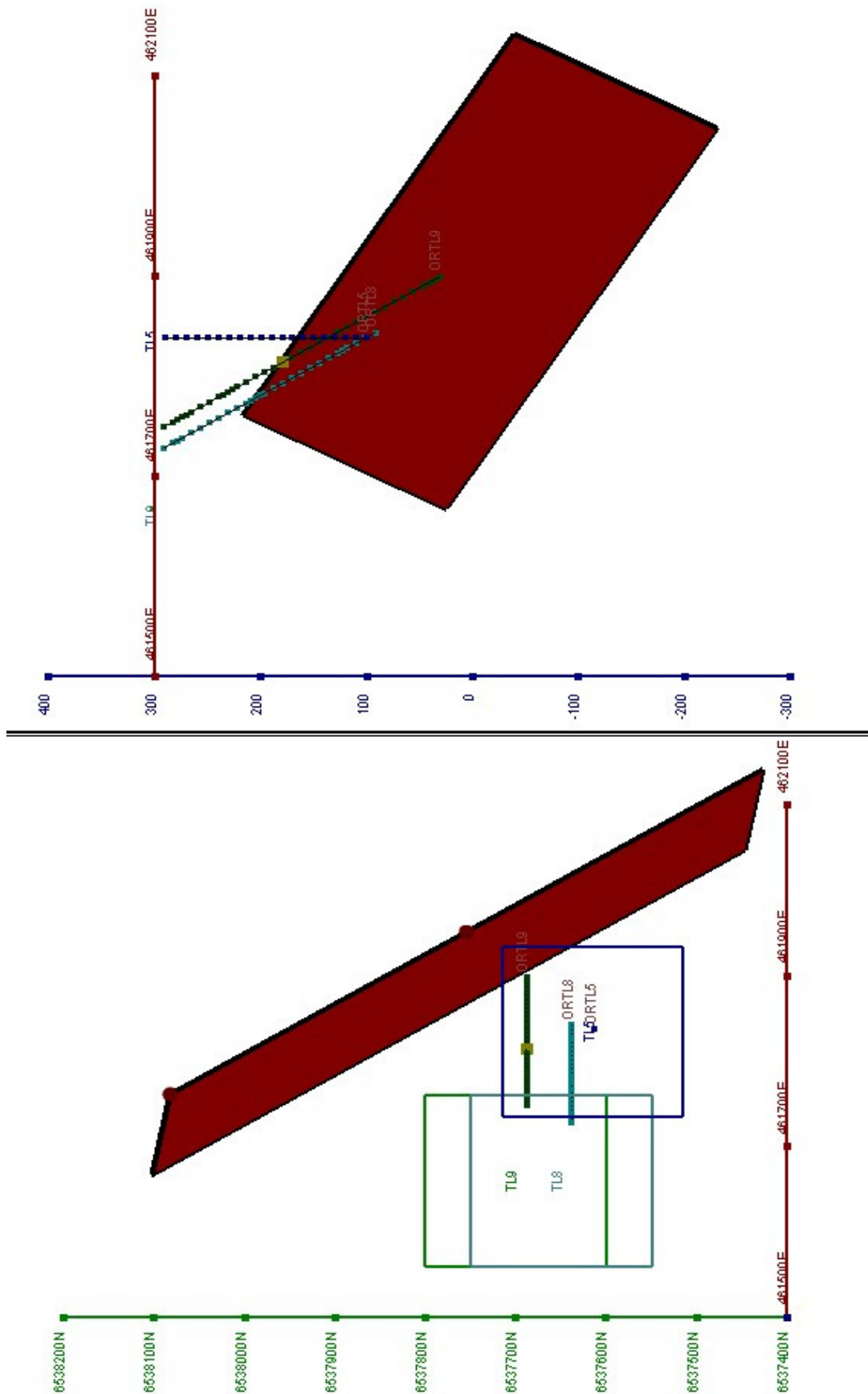
<b>Plate</b>	<b>Off-hole</b>
<b>East</b> (centre top)	461950 mE
<b>North</b> (centre top)	6537755 mN
<b>RL</b> (centre top)	90 m
<b>Depth</b>	57 m
<b>Dip</b>	70 deg
<b>Dip Direction</b>	230 deg
<b>Rotation</b>	-20 deg
<b>Strike Length</b>	800 m
<b>Depth Extent</b>	200 m
<b>Conductance</b>	1400 S

MPJ is now planning to commence additional drilling with the initial aim of extending hole ORTL9 to intersect the conductor and, depending on the portable XRF results, extend ORTL8. **This is a recommended precursor to a substantial drilling program across the entire 40km strike at the Roe Hills project.**

MPJ had submitted a programme of works (POW) and received approval from the Department of Mines and Petroleum (DMP) for drilling within the Talc Lake Prospect. **MPJ will notify shareholders on the start date of drilling anticipated to commence before the end of October.**



**Figure 3:** ORTL9, 8, 5 modelling (left to right panels respectively) of below-hole conductor, channels 25 – 34 (18 – 126 ms). The modelled response in red provides a very good fit to the observed data in black, especially the longer hole 9. The corresponding plate is shown in Figure 4.



**Figure 4:** Model plate for holes ORTL9, 8 and 5. Corresponding profiles are shown in Figure 3.

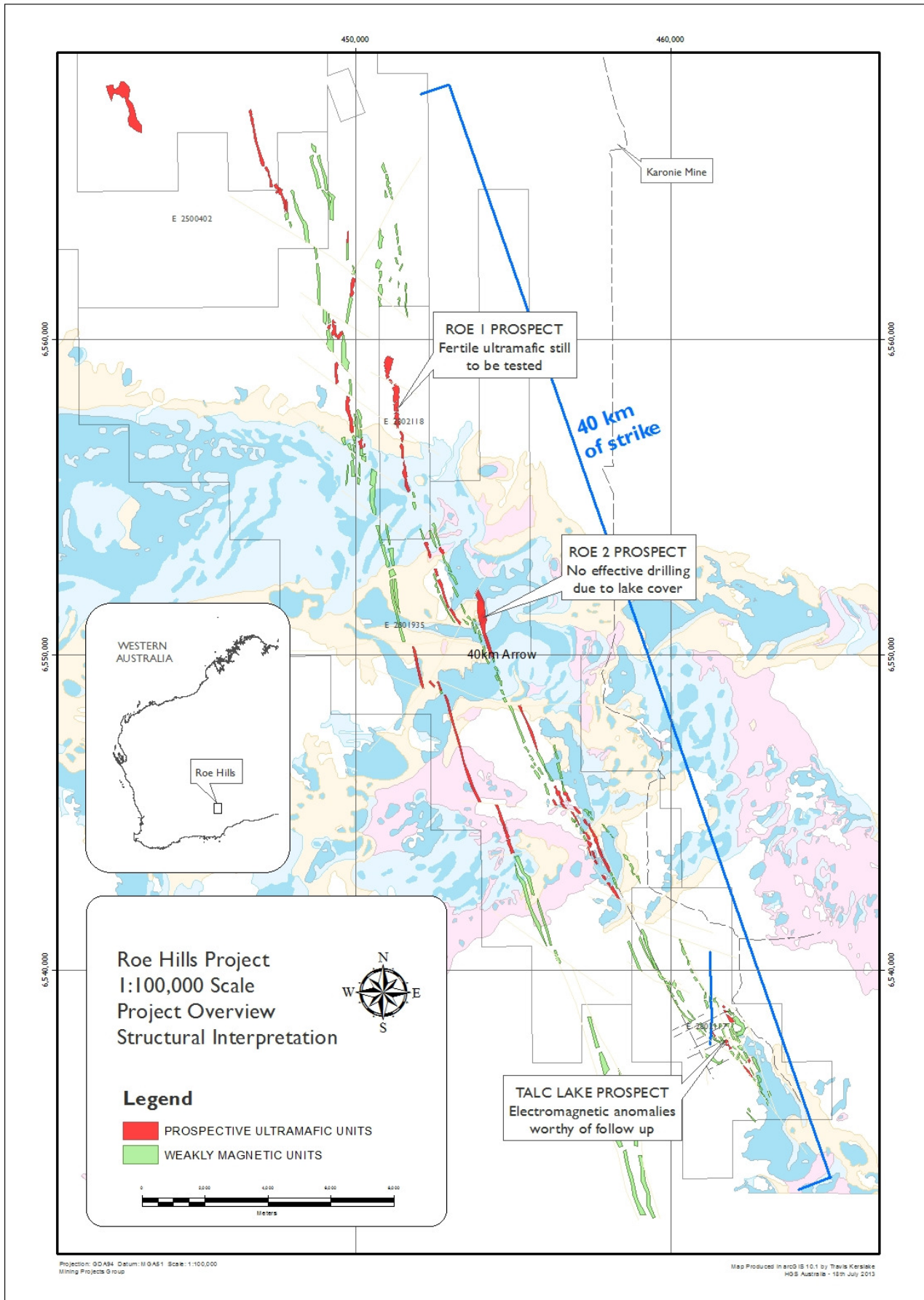
## BACKGROUND

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. The results from drilling **(0.5m at 6.15% from 155m in RC drill hole ROE114)** have provided strong encouragement to continue exploration at depth and along strike. The majority of past drilling activity has been focused on one isolated area surrounding ROE114, yet **the optimal targets remain along strike both to the north and south and down dip of this area.**

Roe Hills is located 110km east of Kalgoorlie, Western Australia, and has a **40km strike length of highly strained greenstone belt**. A review by geological consultants HGS Australia 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** within the project area have been identified, each are highly prospective for massive nickel sulphide mineralisation. The targets have been identified as; **Talc Lake, Roe1 & Roe2 (Figure 3).**

MPJ is undergoing a detailed review and recommendation process in determining the next phases of exploration. The processes are:

1. Database and geological Review: Completed and announced on 25/07/2013 *“Prospective Nickel Sulphide Targets Identified at Roe Hills”*.
2. Cutting and assaying of existing diamond core. Completed.
3. Geophysical review by Newexco. Completed on the DHEM conducted on hole ORTL9. Ongoing for the remaining prospects.
4. Drilling Recommendations for short term.
5. Commencement of drilling.





For And On Behalf Of The Board



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

**COMPETENT PERSON STATEMENT:**

**Competent Person:** *The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled and reviewed by Andrew Hawker, who is a principal geological consultant for HGS Australia Exploration Services and is a member of The Australasian Institute of Mining and Metallurgy. Andrew Hawker has in excess of 5 years' experience which is relevant to the style of mineralisation and type of deposit under consideration and to 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 Exploration Results, Mineral Resources and Ore Reserves'. Andrew Hawker consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*