

MACARTHUR MINERALS TO COMMENCE DRILLING NICKEL SULPHIDE TARGETS AT LAKE GILES

Macarthur Minerals Limited (TSX-V: MMS) (the “Company” or “Macarthur”) is pleased to announce it will commence drilling high priority nickel sulphide targets at its Lake Giles project in Western Australia. The targets were derived from recent geophysical surveys using Moving Loop Electromagnetic (“MLEM”). Surveying at Moonshine successfully delineated two bedrock conductors, MC01 and MC02, with a further bedrock conductor identified at the Snark prospect as announced on August 28, 2018.

Mr. Cameron McCall, Executive Chairman of Macarthur Minerals commented: *“Historical drilling by Macarthur of the iron formation at Lake Giles has demonstrated the potential for nickel sulphides in areas with komatiite ultramafics. There is also further potential for concentrated secondary nickel in the weathered profile above these ultramafics. The Priority 1 targets identified in the recent MLEM survey gives great confidence that our drilling campaign is targeted to intersect the right geological sequences that may host a sulphide deposit. If we confirm the presence of a massive sulphide structure this will add additional value to the project with multiple commodities.”*

Nickel Targets

A Moving Moving Loop Electromagnetic (“MLEM”) survey was conducted across three prospects at the Lake Giles project. The survey targets were derived from previous drilling and soil geochemistry data that indicated potential for nickel sulphide.

Interpretation of data was undertaken by geophysicists from Newexco Services Pty Ltd who are experts in the application of geophysical surveys for the discovery of nickel sulphide deposits. The interpretation of was undertaken on the basis of detecting bedrock conductors consistent with accumulations of massive sulphides.

1. Moonshine Conductor

Strong conductance was recorded across all five lines with modelling delineating two bedrock conductors, MC01 and MC02 (**Figure 1**). The two conductors are both coincident with a magnetic high that is faulted and consequently both MC01 and MC02 are likely to be the same geological unit. MC01 extended over a length of 700m with MC02 extending over 650m however the source can be defined as being open to the north and south. A drill hole, MC02_DH has been planned to intersect conductor MC02 at 166m (**Figure1**).

2. Snark Conductor

The survey at Snark identified two bedrock conductors at Snark, SC01 and SC02. SC01 is interpreted on most of the MLEM lines and is coincident with a magnetic high. On survey line 72150N, a good response was observed with well-defined twin peaks and decay analysis showing good exponential shape at late time which is characteristic of a bedrock conductor. SC01 is considered a high priority for drill testing and a drill hole, SC01_DH has been planned to intersect the conductor at 162m (**Figure 2**).

Exploration Program

Conductors MC01 at Moonshine and SC01 at Snark are considered high priority targets and will be tested by drilling. Two drill holes have been planned to intersect the conductors at the point where they display a high EM response (**Table 1**).

Orbit Drilling has been engaged to undertake the drill program and will mobilise to site in October upon receipt of drilling permits. An initial program of two holes drilled to a depth of 200m will be completed by the end of October. Follow-up drilling is scheduled to commence on return of favourable results.

Table 1. Planned drill holes to intersect MLEM conductors

Hole ID	Easting	Northing	Dip	Azimuth	Length	Intersection
MC02_DH	788015	6674954	60	230	200	166
MC01_DH	782743	6698662	60	50	200	162

QUALIFIED PERSONS

Mr Andrew Hawker, a member of the Australian Institute of Geoscientists, is a full-time employee of Hawker Geological Services Pty Ltd and is a Qualified Person as defined in National Instrument 43-101. Mr Hawker has reviewed and approved the technical information contained in this news release.

ABOUT MACARTHUR MINERALS LIMITED (TSX-V: MMS)

Macarthur Minerals Limited is an exploration company that is focused on identifying high grade gold, nickel, cobalt and lithium. Macarthur Minerals has significant gold, lithium, nickel, cobalt and iron ore exploration interests in Australia. Macarthur Minerals has three iron ore projects in Western Australia; the Ularring hematite project, the Moonshine magnetite project and the Treppo Grande iron ore project. In addition, Macarthur Minerals has significant lithium brine interests in the Railroad Valley, Nevada, USA.

On behalf of the Board of Directors,
MACARTHUR MINERALS LIMITED

"Cameron McCall"
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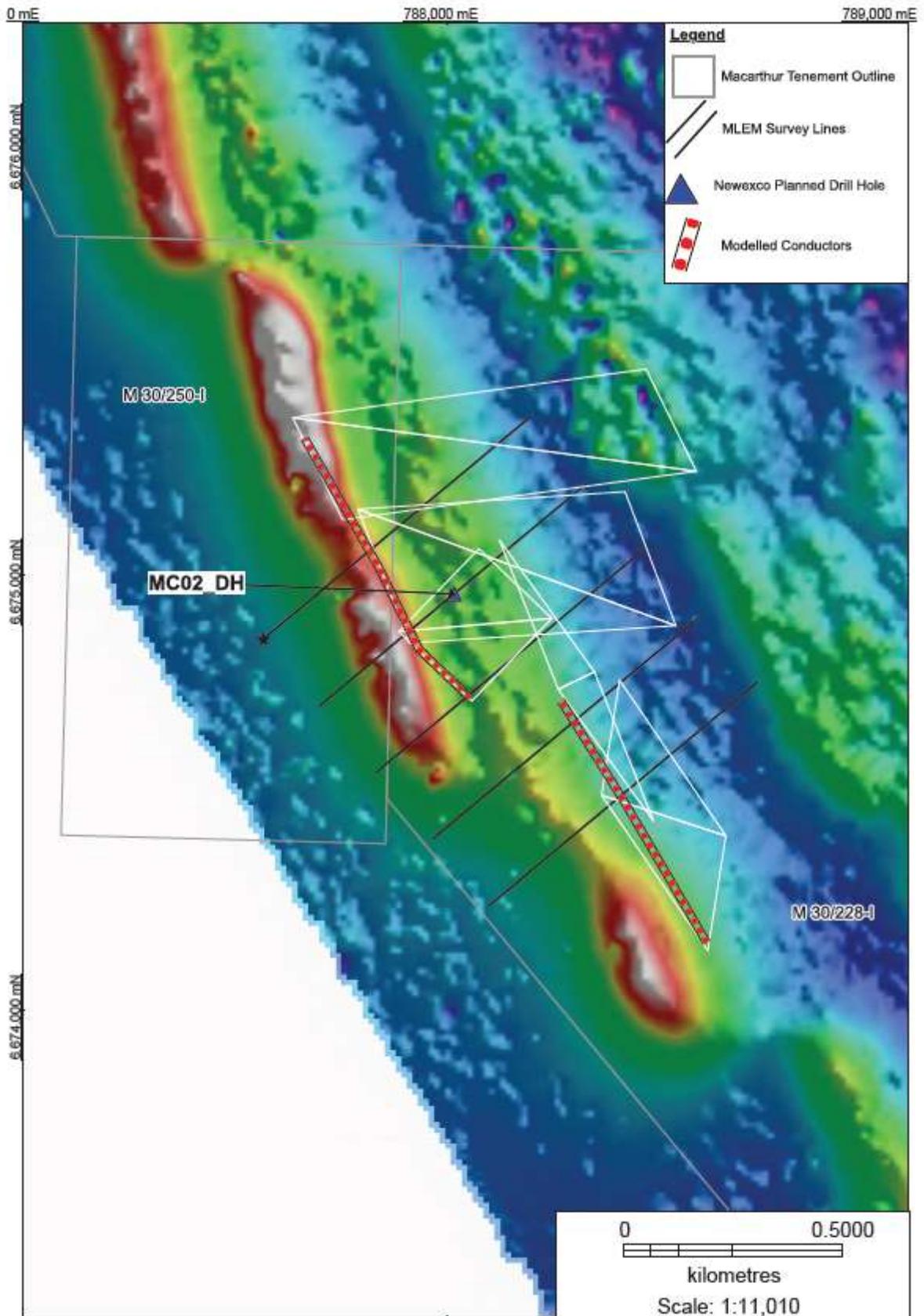


Figure 1. MLEM survey at Moonshine showing modelled conductors. Background image shows magnetic anomalies.

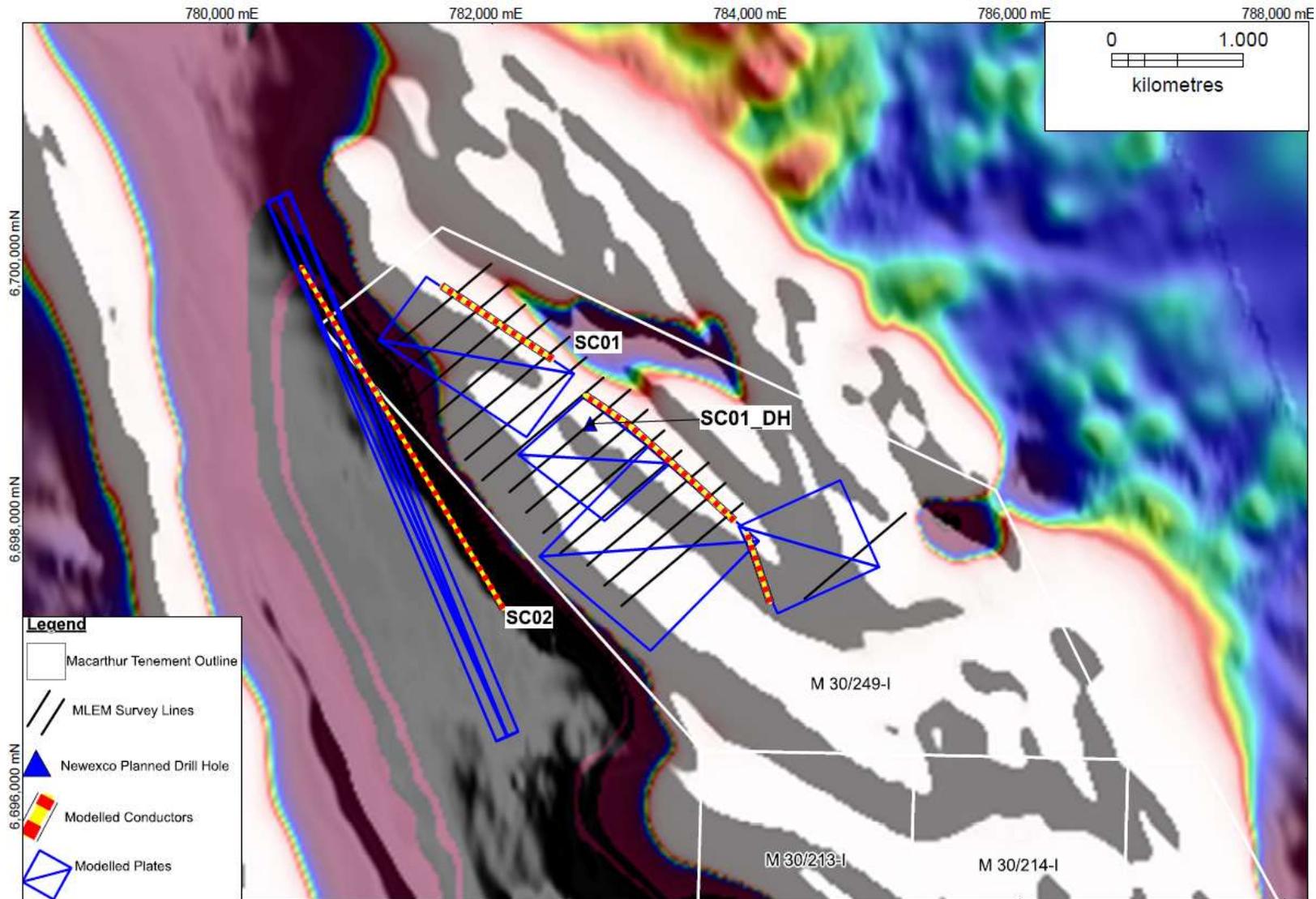


Figure 2. MLEM Survey at Snark showing modelled conductors. Background shows Total Magnetic Intensity anomalies