

ASX:LEG 19 November 2019 ASX Announcement

# Diamond Drilling at Area D Intersects Nickel-Copper Sulphides

- 9.6m of disseminated and blebby nickel-copper sulphides intersected in gabbronorite host rock
- EM conductor explained by multiple graphite and pyrrhotite bands within metasediment

Legend Mining Limited (Legend) is pleased to announce that diamond hole RKDD005 at Area D has intersected two gabbronorite intrusive units, one of which contains significant disseminated and blebby pyrrhotite-chalcopyrite-pentlandite sulphides. The presence of these three phase sulphides within a prospective gabbronorite host rock demonstrates that the processes which form nickel-copper mineralisation associated with mafic intrusions are present at Area D. The hole has also shown the source of the D5 conductor to be related to multiple graphite±pyrrhotite bands within metasediment.

Legend Managing Director Mr Mark Wilson said, "This is a good hole. The first key takeaway is that it has intersected a nickel-copper system in the right host rock for the mineralisation we are looking for. The second is that the location of the sulphides is interpreted as the basal contact between the gabbronorite and the metasediments, which is text book for where it should be. Assays and petrology will provide further information."



Photos 1 & 2: Three Phase Sulphides in Gabbronorite Intrusive (111.25m & 112.0m downhole depth - RKDD005, NQ2 core)



# **TECHNICAL DISCUSSION**

The first hole in the planned two hole diamond drilling programme has now been completed at Area D. Drillhole RKDD005 targeting the D5 low frequency EM conductor and anomalous Ni-Cu geochemistry in aircore holes was terminated at a final depth of 586.2m (see Figures 1, 2 & Table 1). The drilling rig has now moved to the second hole which will test the D1 conductor.

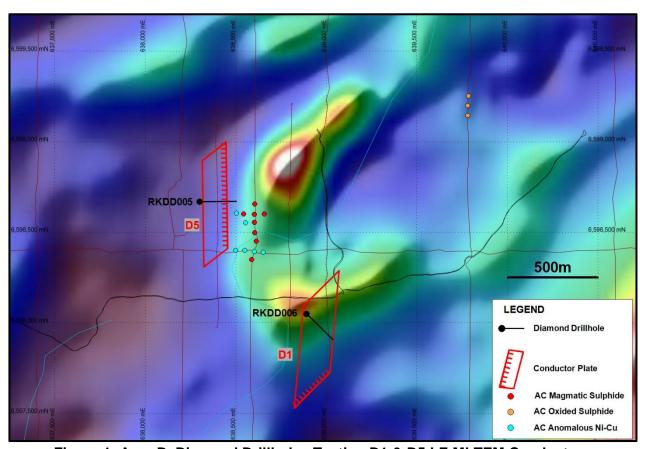


Figure 1: Area D Diamond Drillholes Testing D1 & D5 LF-MLTEM Conductors

Table 1: Area D Diamond Drillhole Details						
Hole	MGA94-East	MGA94-North	RL	Azimuth	Dip	Total Depth
RKDD005	638,300	6,598,670	203	0900	-70°	586.2
RKDD006	638,890	6,598,050	205	135 <sup>0</sup>	-70°	Ongoing

RKDD005 intersected two gabbronorite intrusive units with the upper intrusive intersecting disseminated and blebby pyrrhotite-chalcopyrite-pentlandite sulphides between 110.3-119.9m (see Photos 1 & 2). These three phase sulphides are hosted in coarse grained gabbronorite interpreted to represent the basal section of a large gabbronorite sill, which is considered a highly prospective location for massive sulphide mineralisation. Assays from this interval are pending. RKDD005 also intersected a broad package of mixed metasediment/granulite containing multiple graphite±pyrrhotite bands which coincide with the position of the modelled D5 conductor. This has been confirmed by a down hole electromagnetic survey.



# **Future Activities**

- Complete geological and geotechnical logging of RKDD005.
- Assess assay and petrology results from RKDD005.
- Complete diamond drillhole RKDD006 targeting the ~42,000S D1 conductor.

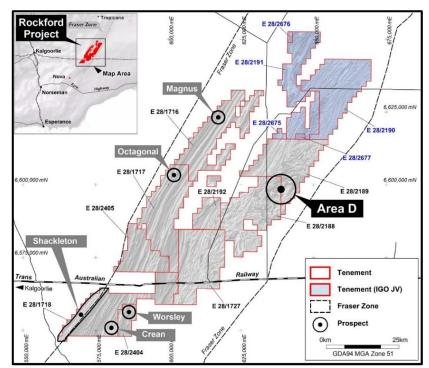


Figure 2: Rockford Project - Area D Location

Authorised by Mark Wilson, Managing Director.

### Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Derek Waterfield, a Member of the Australian Institute of Geoscientists and a full time employee of Legend Mining Limited. Mr Waterfield has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration, and to the activity being undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Mr Waterfield consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Visit <a href="https://www.legendmining.com.au">www.legendmining.com.au</a> for further information and announcements.

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