



## DIAMOND DRILLING COMMENCES ON LARGE EM CONDUCTOR AT SUCCOTH

### HIGHLIGHTS

- Diamond core drilling program commences on a number promising EM conductors at Succoth
- Top priority target is Conductor M, a 400m x 100m conductor within a steep zone of sulphide mineralisation
- WA Government EIS co-funding assists to offset drilling costs
- Succoth is the first in a pipeline of exciting regional prospects
- Definition of further resources will enhance the Nebo-Babel development

Cassini Resources Limited (ASX:CZI) ("Cassini" or the "Company") is pleased to announce that a diamond core drilling rig has been mobilised to its 100% owned West Musgrave Project ("Project") in Western Australia. The highly anticipated drilling program has commenced today.

### Succoth Prospect – First Priority

Succoth is an advanced exploration prospect located only 13km from the Nebo-Babel Deposits. Work to date has focussed on defining predominantly copper-rich, disseminated mineralisation over a strike of 3km. Recent re-interpretation of historical drill core from over 30 holes, and the remodelling of surface and downhole geophysics, has identified a potential controlling structure which hosts numerous EM conductors.

This work has resulted in the delineation of a significant new DHEM anomaly, with a modelled plate conductance consistent with a sulphide source (>2000 S). It is an "off-hole" DHEM anomaly measuring 400m x 100m and is located between two historical holes, WMN4075 and WMN4139 (Figures 1 & 2). The top of the plate has been modelled at 475m below surface and the nearest intercept in WMN4075 is 36m @ 0.96% Cu, but does not form part of the conductor itself.

Historically, there have been no "false-positive" EM conductors within the Project area. The conductor clearly follows a trend of other EM conductors within the mineralised envelope at Succoth, plunging to the southeast. It remains open at depth (Figure 1).

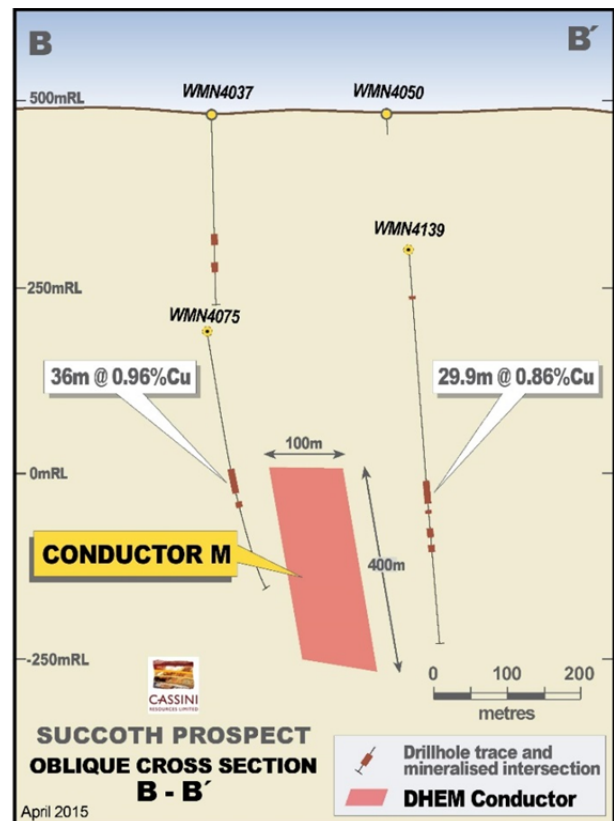


Figure 1: Succoth Oblique Cross Section

A key element of the recent geological review was to better understand the potential for discovery of significant nickel mineralisation within the prospect. Whilst disseminated copper mineralisation has been found over a strike of 3km, two smaller, nickel-rich zones have been identified by previous drilling.

These nickel-rich zones have received little subsequent exploration follow-up and are a high priority target for Cassini. Examples of nickel-rich zones within the Succoth Prospect include 0.55m @ 1.59% Ni, 0.16% Cu from 225.8m (WMN4023) and 0.6m @ 1.39% Ni, 0.95% Cu from 227.7m (WMN04024).

It is common in deposits of this type, for Cu-rich mineralisation to occur at the peripheries of the system with Ni-rich sulphides located in the more proximal parts of the mineralised system. This represents a major target in this complex.

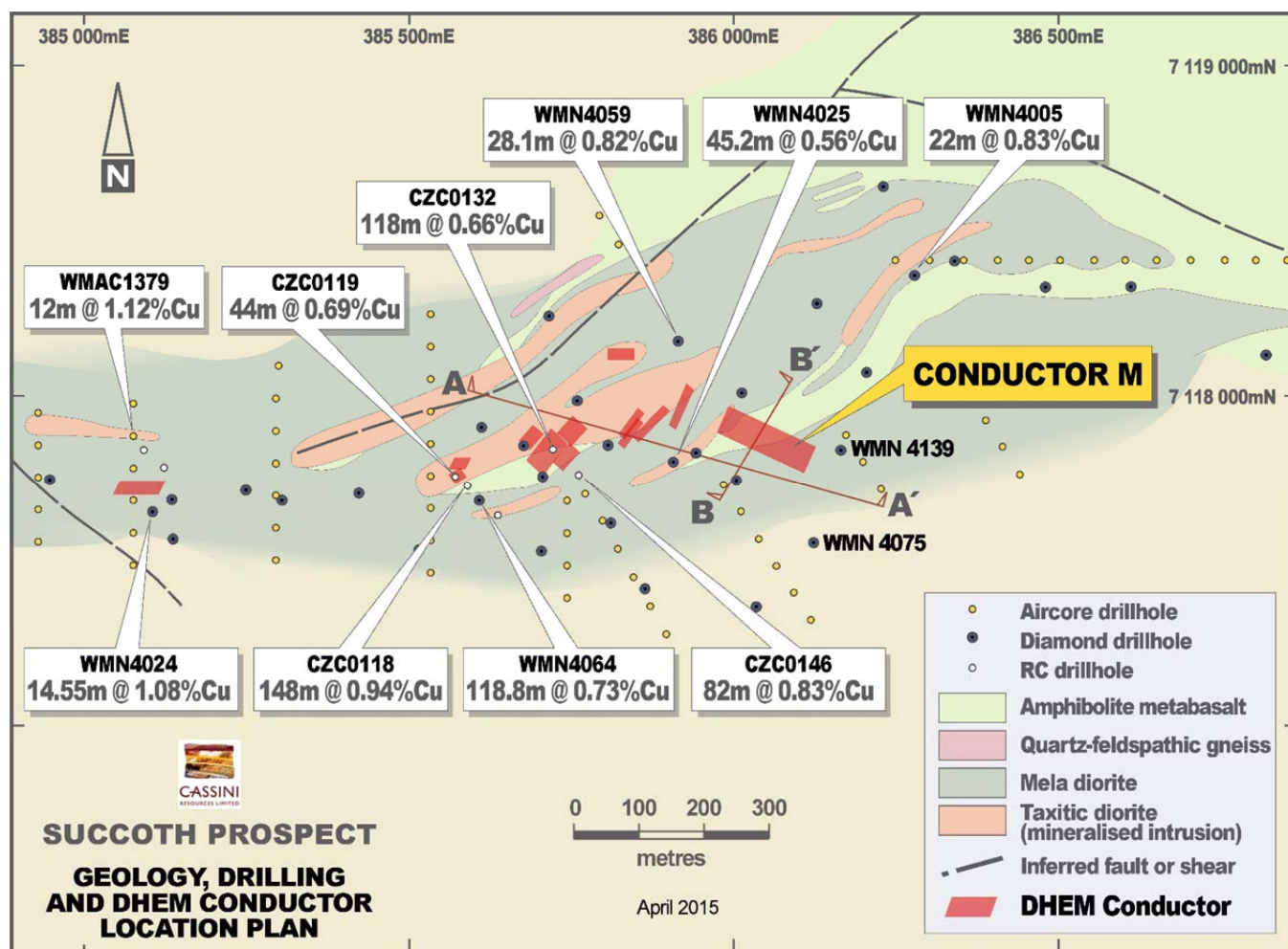


Figure 2. Succoth Prospect showing mineralised zones and geophysical survey area over Total Magnetic Intensity.

The Company is pleased to advise that half of the drilling costs of the initial hole will be funded under the WA government's Exploration Incentive Scheme.

### Wider Project Area – Second Priority

In addition the Company has accelerated its review of a number of additional prospects within the project that have received minimal amounts of drilling over the past 5 years. More information about these prospects will be released in the coming days.

For further information, please contact:

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### **Competent Persons Statement**

The information in this report that relates to Exploration Results is based on information compiled or reviewed by Mr Greg Miles, who is an employee of the company. Mr Miles is a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Miles consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The Company is not aware of any new information or data, other than that disclosed in this report, that materially affects the information included in this report and that all material assumptions and parameters underpinning Mineral Resource Estimates and Exploration Results as reported in the market announcement dated 15th of April 2015 continue to apply and have not materially changed.

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