



CASSINI
RESOURCES LIMITED

Building an Australian Nickel and Copper Producer

DIGGERS & DEALERS, AUGUST 2015

Corporate Overview



Current Shareholders	%
MACA Limited (ASX:MLD)	13.5%
GR Engineering (ASX:GRE)	6.8%
BT Portfolio Services	5.4%
Directors & Management	4.8%

Board and Management	
Mike Young	Non Exec Chairman
Richard Bevan	Managing Director
Greg Miles	Exec Director
Dr Jon Hronsky	Non Exec Director
Phil Warren	Non Exec Director
Wade Stephenson	Study Manager
Dr Zoran Seat	Exploration Manager

Capital Structure	
Current Share Price (close 03/08/15)	6.5 cps
Shares on Issue	220,899,07
Options on Issue	6.6 million
Market Capitalisation	\$14.4 million
Cash (30/6/15)	\$5.7M

Achievements in last 12 months

- West Musgrave Project acquisition May '14
- Completed Nebo–Babel Scoping Study April '14
 - Resource upgraded to Indicated
 - Produced marketable nickel and copper concentrates
 - Confirmed project location does not materially impact economics
 - Identified numerous value-add opportunities for PFS
- Demonstrated significant exploration upside in Project area
- Successful \$7.1m capital raise in May to progress PFS and exploration program
- Welcomed strategic partners MACA & GR Engineering to share register





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West Musgrave Project, WA (100% CZI)

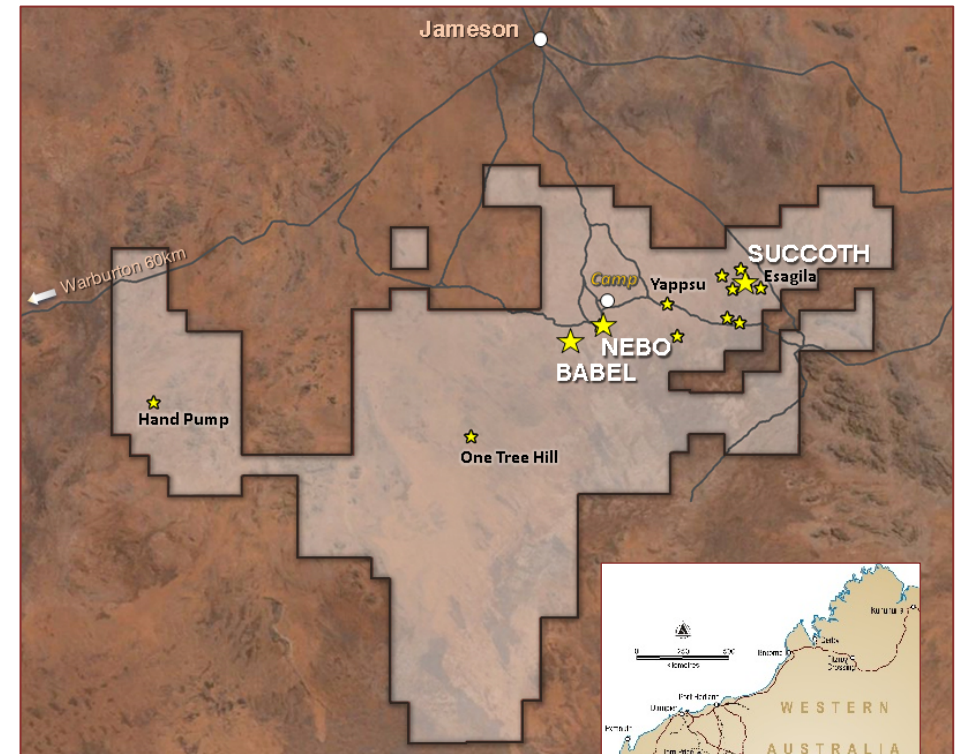
- 1,500 km² of highly prospective land
- Significant historical work done by BHP Billiton

Development Stage

- Nebo and Babel (Ni + Cu sulphide deposits)
- Scoping Study confirms value

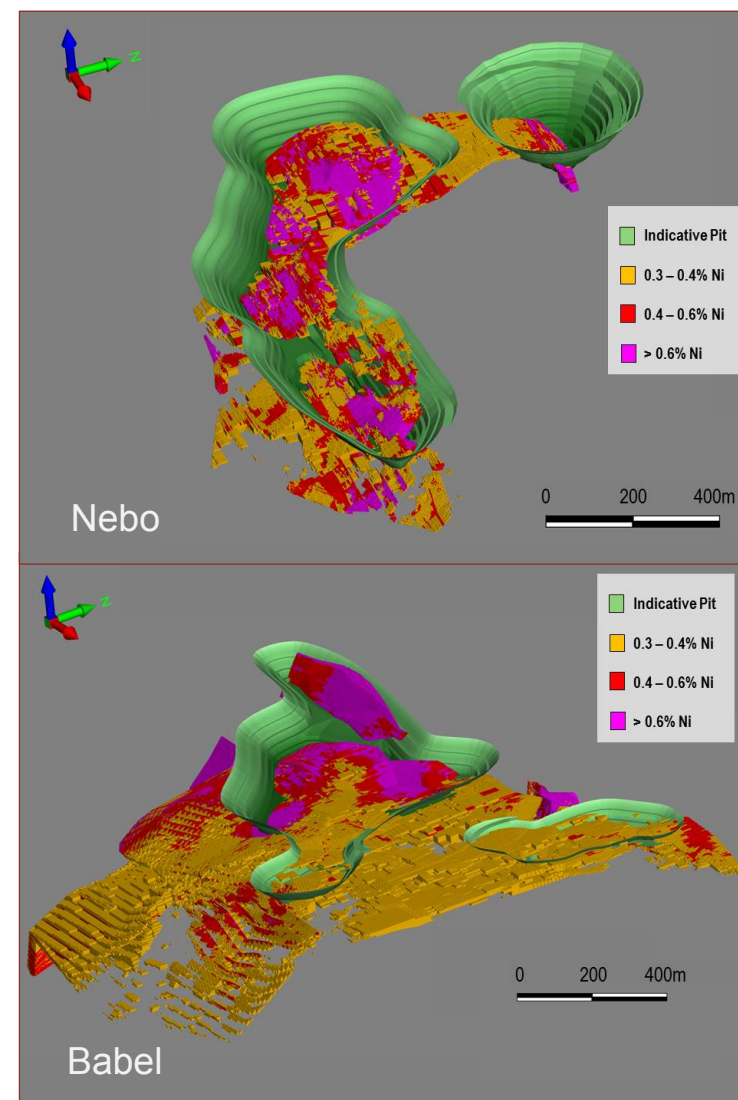
Exploration Stage

- World class exploration potential
 - 25km trend of Ni-Cu-PGE mineralisation identified
- High priority exploration targets
 - Succoth
 - Esagila
 - One Tree Hill



Nebo-Babel: Low technical risk

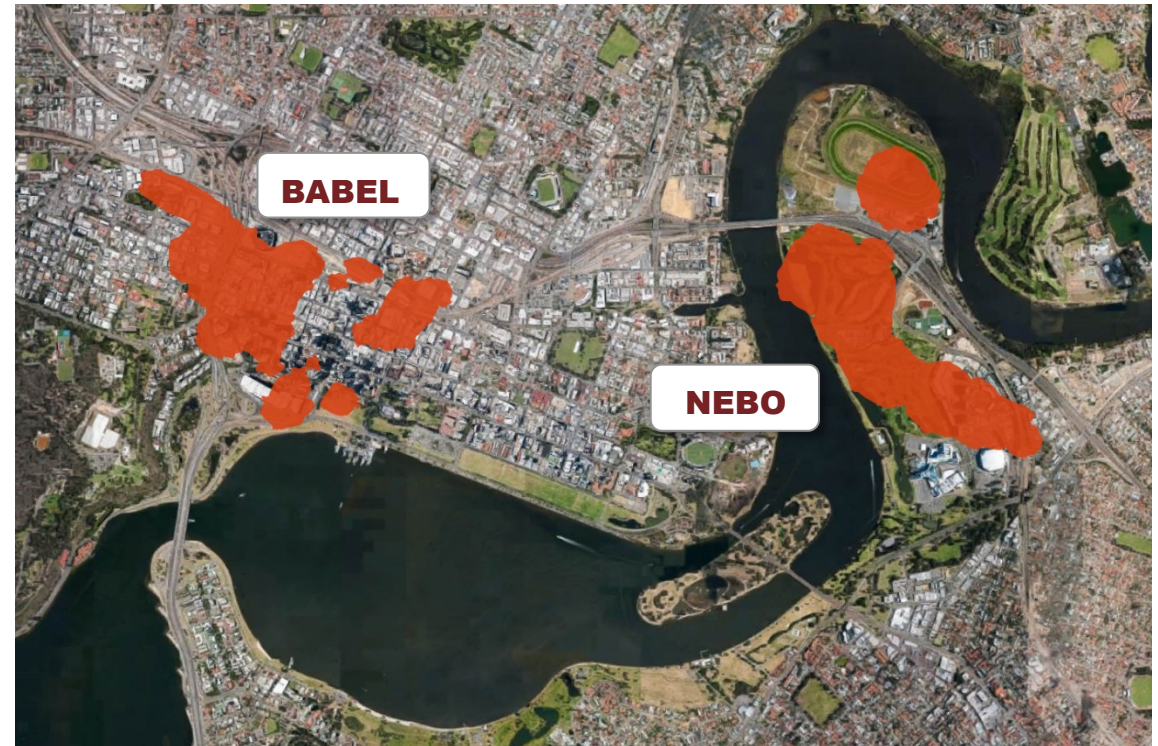
1. Safe mining jurisdiction of Western Australia
2. Open pit mining techniques
 - ✓ Flat ore body geometry, with higher-grade on top, low strip ratio (<3:1)
 - ✓ Shallow depth to mineralisation (50m)
3. The right geology
 - ✓ Conventional flotation processing
 - ✓ Significant by product credits (Cu, Co, PGM's, Au, Ag)
 - ✓ No deleterious elements, a “clean concentrate”
 - ✓ High Fe: MgO ratio



Scale - Size does matter

Scoping Study demonstrated

- Significant mineral resource:
 - 203Mt @ Ni 0.41% and Cu 0.42%
(at a 0.3% Ni cog)
 - 830,000t contained Ni
 - 852,000t contained Cu
- Average annual LOM production rate of:
 - 12,300t of Ni in concentrate
 - 14,300t of Cu in concentrate
- 15 years initial mine life with significant opportunity to extend



Nebo and Babel pit shells superimposed over Perth CBD

Very Low Operational Costs

Nebo-Babel will be at the lower end of the range of WA nickel producers.

Two key reasons:

1. By Product Credits

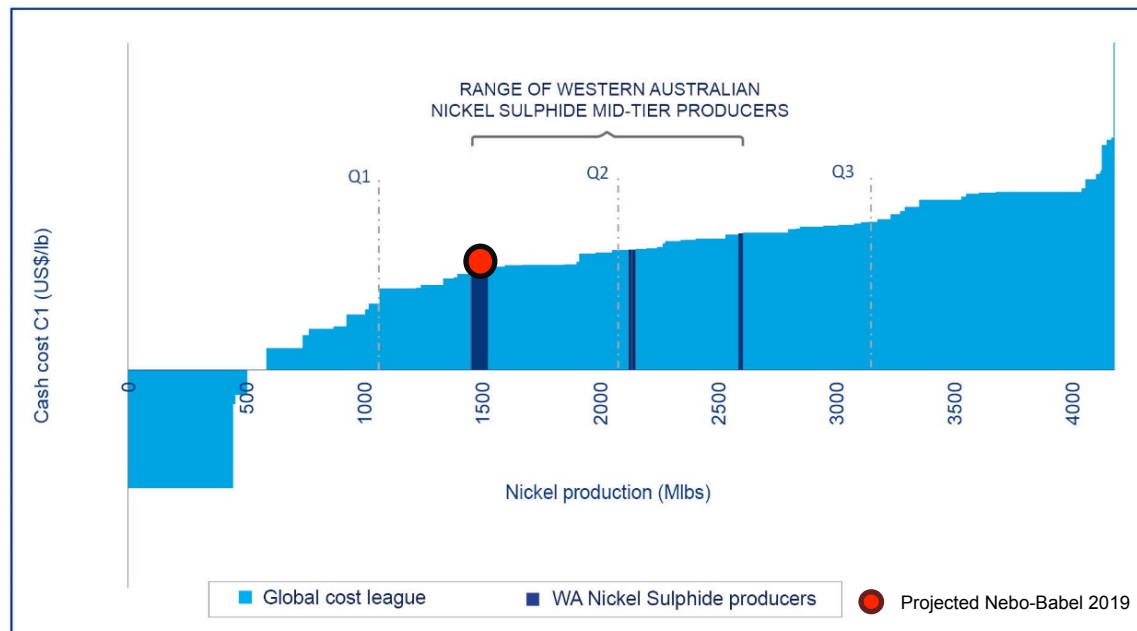
1:1 Ni to Cu ratio in the ore which means 1 ton of copper in concentrate will be produced for every ton of nickel.

2. Low Mining Costs

Open pit mining costs significantly lower than underground.

**Low opex + scale + long mine life
= high strategic value**

Global Nickel C1 Cash Cost League 2015 showing the range of WA nickel producers



* Adapted from Wood Mackenzie Ltd – Metals Costs Benchmarking Tool – Nickel – Q1 2015

Low C1 Cash cost

- Pre credit US\$5.17 per lb Ni
- Post credit US\$1.82 per lb Ni

Project Location does not materially impact economics

- Low operating cost profile includes all key costs influenced by project location
 - Transport
 - Power
 - Water
 - Staffing
- Aim was to cost a base case study that was deliverable
- Significant opportunity exists to reduce these costs further during the next study stage



View of typical section of Great Central Road

Pre-Feasibility Underway

Project targets

- Advanced metallurgy
- Geotechnical studies
- Hydrogeology
- Transportation alternatives
- Power alternatives



Exploration: a near term opportunity



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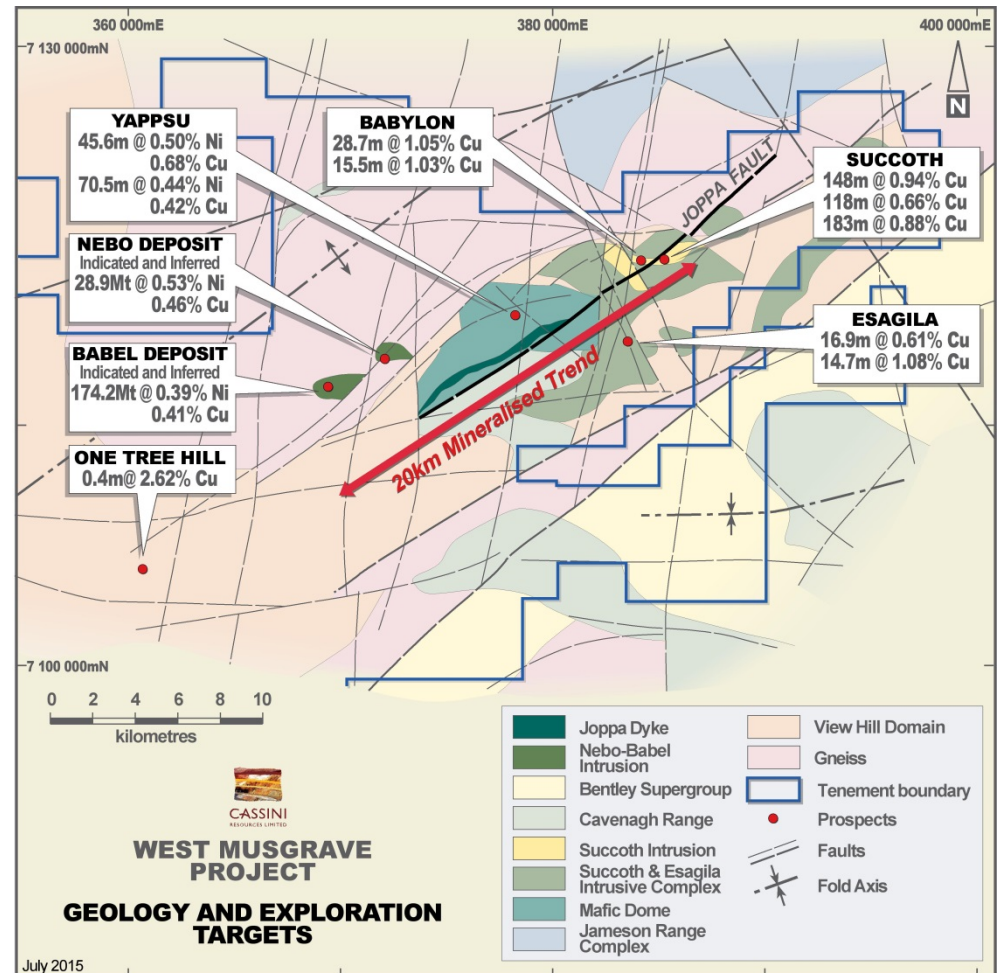




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Massive Exploration Opportunity

- Detailed exploration review of West Musgrave Project completed
- Cassini tenements cover heart of mineralised system
- New Succoth interpretation identifies mineralisation controls; highlights EM conductors
- Advanced understanding for the potential for Ni-rich mineralisation at Succoth
- High-priority drill targets includes Succoth, Esagila and One Tree Hill
- Current drilling of the Succoth EM conductor is progressing well, at target depth next few days
- Any exploration success provides enormous leverage to Nebo-Babel development



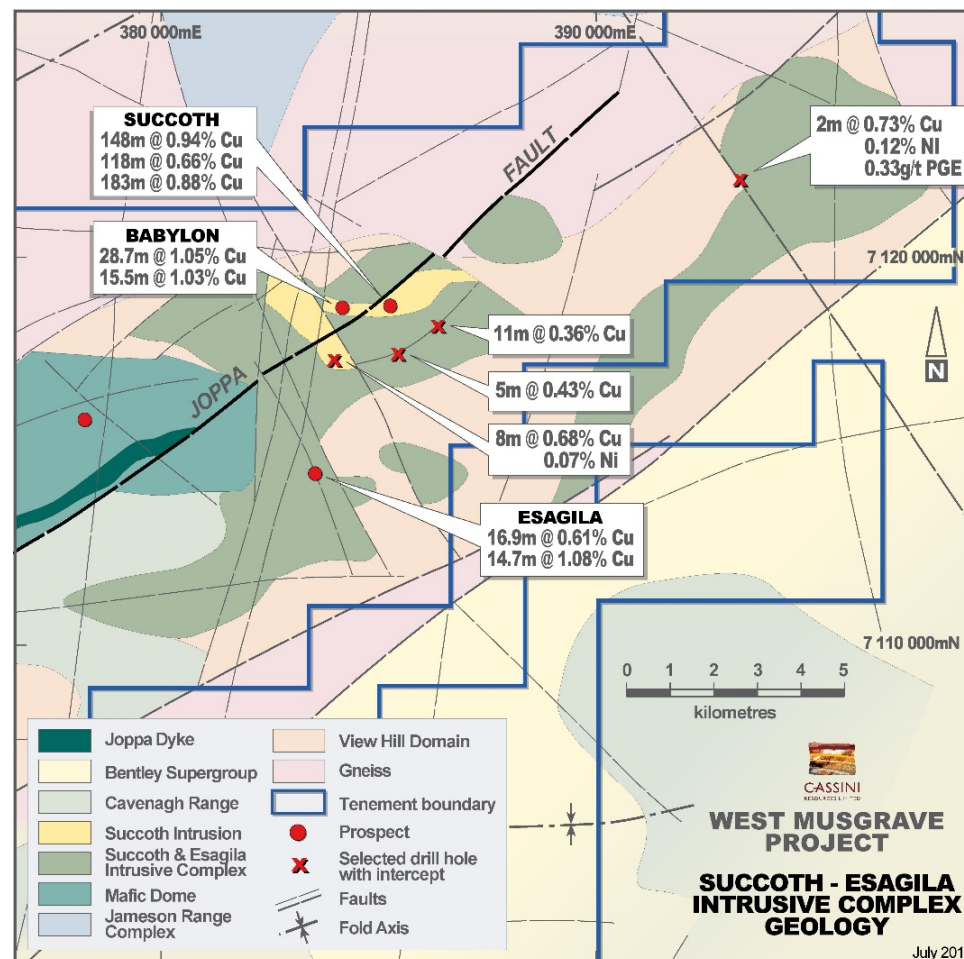
Plan view showing Nebo-Babel deposits and regional exploration targets



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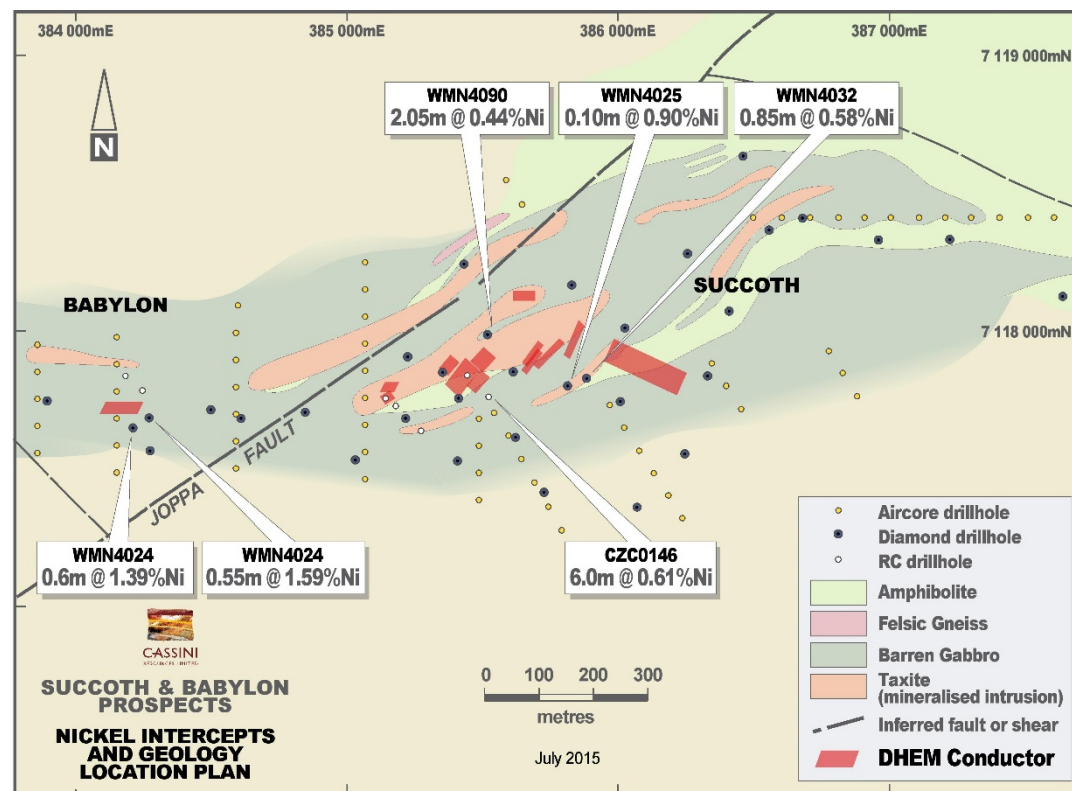
The Succoth-Esagila Complex

- A large (65km²) Ni-Cu-PGE mineralised mafic intrusive complex
- Hosting multiple occurrences of significant Cu-Ni-PGE mineralisation
- Strong Cu background throughout the entire intrusive complex
- The great majority of the project area has not been tested below the effective depth limit of surface EM – about 300m at most.
- Historical drilling has demonstrated that Succoth hosts a large zone of copper sulphide mineralisation.
- Local Ni-rich mineralisation has been intersected.
- This potential Ni-rich mineralisation represents a major target in this complex.



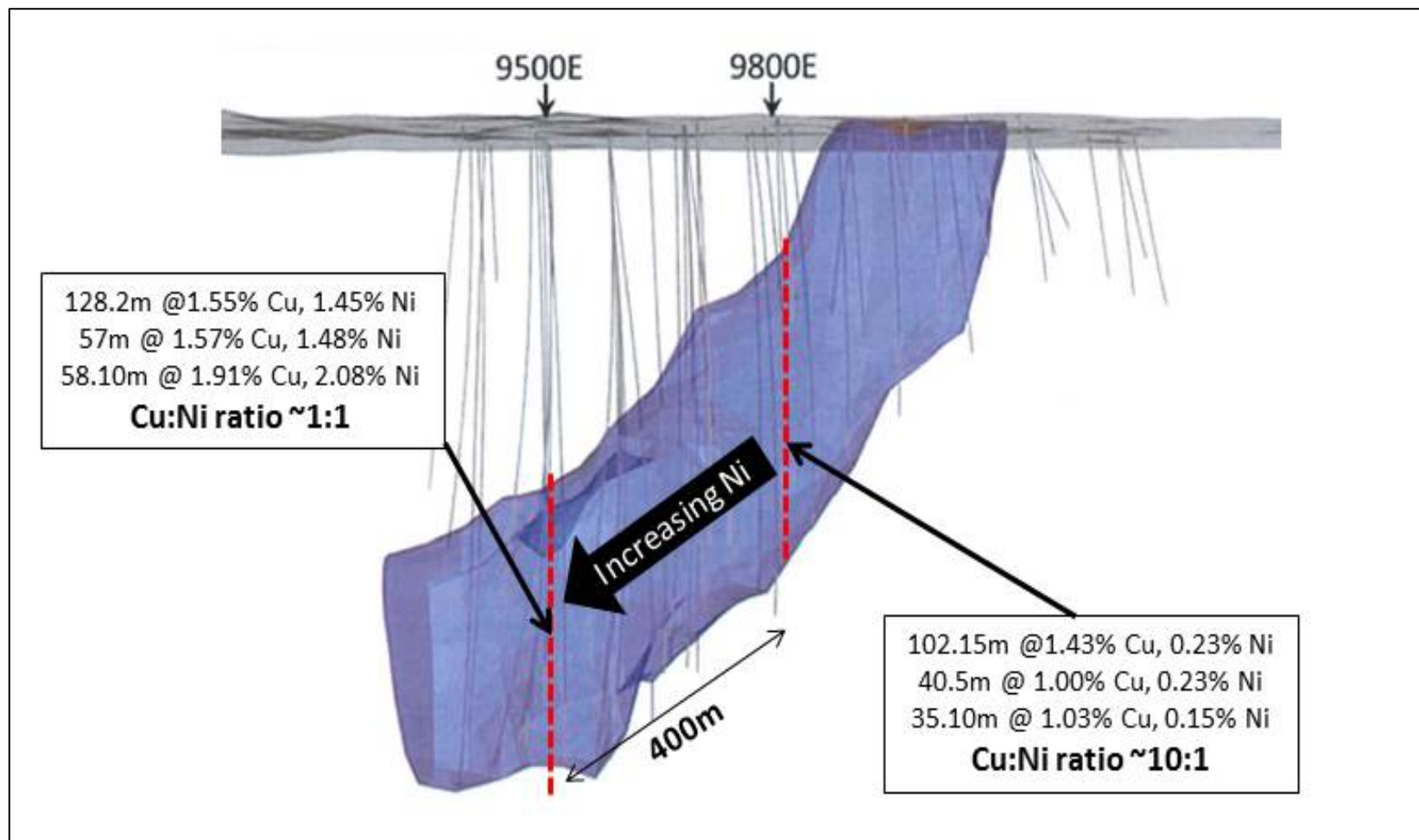
Potential for Ni rich mineralisation

- Nickel-rich mineralisation has been intersected in drilling, such as 0.55m @ 1.59% Ni from 225.8m (WMN4023) at the Babylon Intrusion, west of Succoth.
- A geological process in some mafic-intrusion hosted nickel sulphide deposits is for sulphide liquids to fractionate (or separate) with the copper-rich sulphide component, forming a halo to the nickel dominant mineralisation.
- Historical geochemical results confirm mineralisation at Succoth displays fractionation of copper and palladium from nickel and platinum mineralisation.
- Fractionation has been observed at other major mafic-intrusion hosted Ni sulphide deposits including The Talnakh Deposit at Noril'sk in Russia, Sudbury, Jinchuan and AngloAmerican's recent Sakatti discovery in Finland.
- There is potential that the DHEM conductor currently being drilled at Succoth will reveal more about Succoth's nickel content.



Plan view of Succoth-Esagila Complex highlighting drill holes that intersected nickel mineralisation

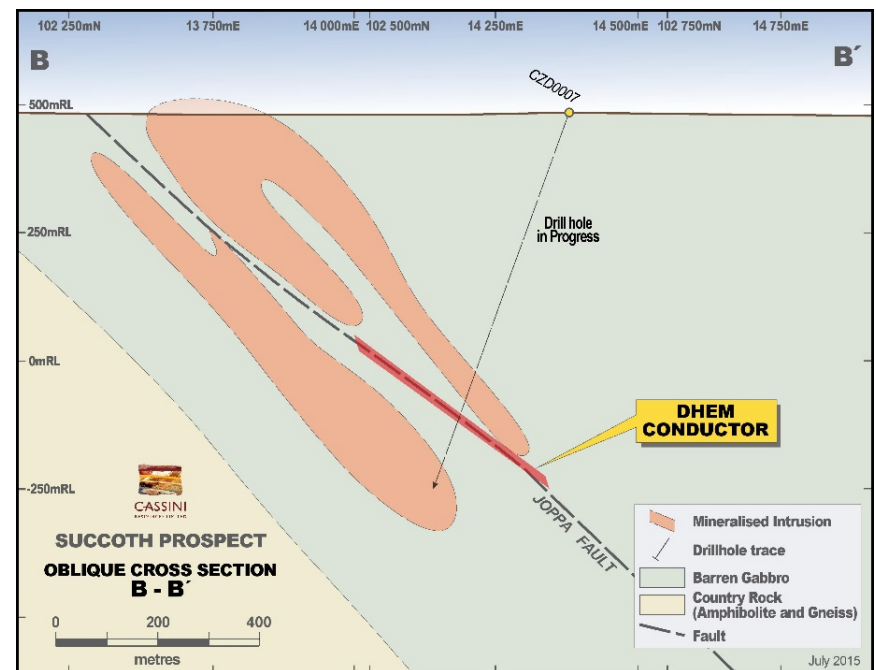
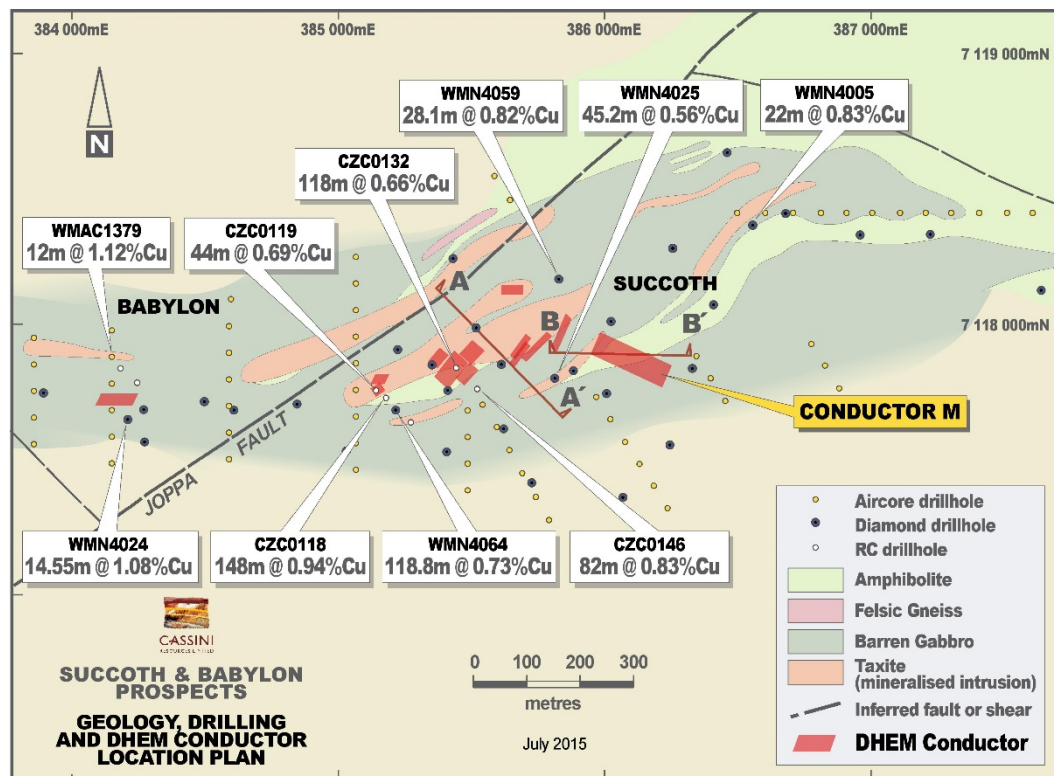
Increasing Ni at depth: Sakatti deposit



Sakatti Deposit, Finland, demonstrating increase in nickel grades down-plunge. (Modified from Anglo American presentation).

Succoth drilling currently underway

- Testing large DHEM off-hole conductor (400m x 100m)
- Opportunity for discovery of new massive sulphides zones
- Co-funded under WA government EIS program to offset costs
- Already identified significant copper rich disseminated sulphide mineralisation >3km



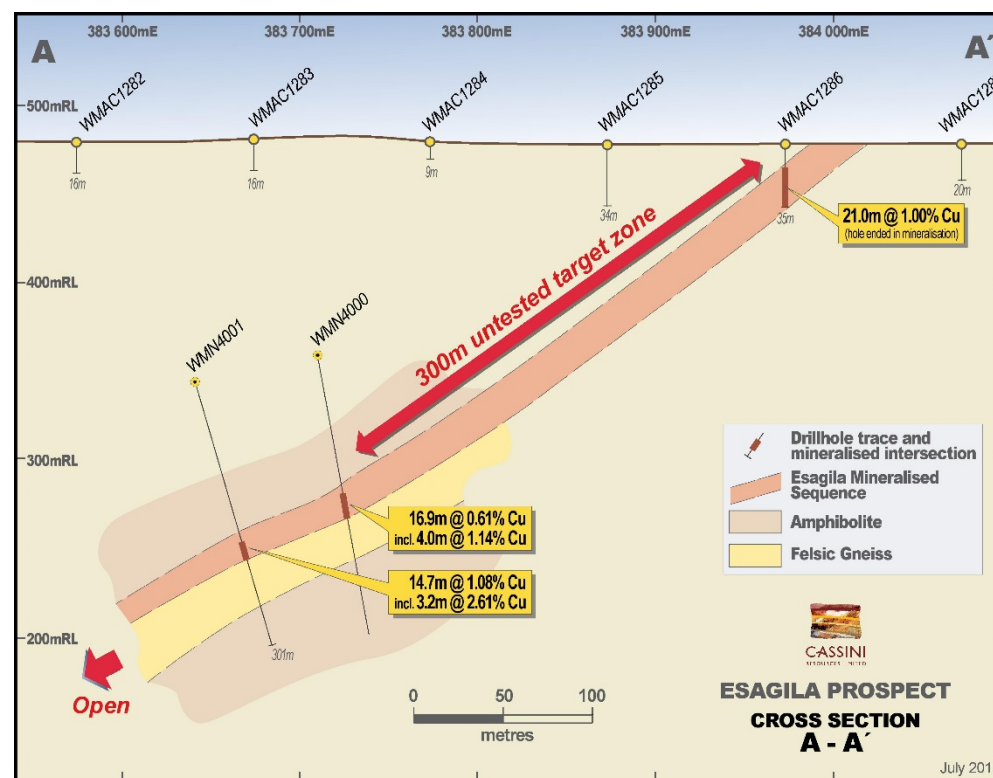
Other Drill Ready Targets

Esagila

- Mineralisation defined over 900m of strike, and locally to a depth of about 300m, by only 8 holes, two of which are air-core holes.
- The strongest mineralisation (including 3.2m @ 2.61% Cu) was intersected at a depth of about 200m below surface; it remains open down plunge and along strike with 300m of untested up-dip potential.
- Preparations for drill testing this target during the current field season are underway.

One Tree Hill

- Located at the south western end of the project and lies in a prospective “hinge zone” of a major stratigraphic unit.
- Only two holes have tested a surface EM anomaly with encouraging results (0.4m @ 2.62% Cu from 152.6m; up to 0.88g/t Pt + Pd)
- Plan is to step out from the previous holes to test if mineralisation extends into potentially prospective mafic rocks similar to those that host mineralisation at Succoth.



Cross section of Esagila Prospect with historical drill intercepts.

Cassini's Value Proposition

- Highly experienced technical and corporate team
- Nebo Babel value confirmed
- Highly leveraged to positive Ni + Cu price forecasts
- Massive exploration opportunity within project area
- Staged approach
- High impact drilling currently underway

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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 information in this report that relates to the Mineral Resources has been compiled by Mr Aaron Green, who is a full-time employee of CSA Global Pty Ltd. Mr Green is a Member of the Australian Institute of Geoscientists and has sufficient experience 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 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Green consents to the disclosure of this information in this report in the form and context in which it appears.

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Some statements in this report regarding estimates or future events are forward-looking statements. They include indications of, and guidance on, future earnings, cash flow, costs and financial performance. Forward-looking statements include, but are not limited to, statements preceded by words such as “planned”, “expected”, “projected”, “estimated”, “may”, “scheduled”, “intends”, “anticipates”, “believes”, “potential”, “could”, “nominal”, “conceptual” and similar expressions. Forward-looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward-looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward-looking statements may be affected by a range of variables that could cause actual results to differ from estimated results, and may cause the Company’s actual performance and financial results in future periods to materially differ from any projections of future performance or results expressed or implied by such forward-looking statements. These risks and uncertainties include but are not limited to liabilities inherent in mine development and production, geological, mining and processing technical problems, the inability to obtain mine licenses, permits and other regulatory approvals required in connection with mining and processing operations, competition for among other things, capital, acquisitions of reserves, undeveloped lands and skilled personnel; incorrect assessments of the value of acquisitions; changes in commodity prices and exchange rates; currency and interest rate fluctuations; various events which could disrupt operations and/or the transportation of mineral products, including labour stoppages and severe weather conditions; the demand for and availability of transportation services; the ability to secure adequate financing and management’s ability to anticipate and manage the foregoing factors and risks. There can be no assurance that forward-looking statements will prove to be correct.

Statements regarding plans with respect to the Company’s mineral properties may contain forward looking statements. Statements in relation to future matters can only be made where the Company has a reasonable basis for making those statements