



MT THIRSTY COBALT PROJECT UPDATE

Project Design Engineer Appointed For Flowsheet Design

Barra Resources Limited in conjunction with its joint venture partner Conico Limited, is pleased to advise the appointment of CPC Project Design Pty Ltd (CPC) to undertake processing flowsheet design following successful completion of Phase 1 metallurgical testwork of Mt Thirsty Cobalt material at ALS Laboratories (ALS) in Perth, Western Australia last month.

The design work by CPC is expected to be completed by the end of the June quarter, dependent upon response times by major equipment vendors.

CPC's combined experience gained from involvement at the Ravensthorpe Nickel Project and other similar projects was a key driver in their appointment.

In the interim, Phase 2 metallurgical testwork will continue at ALS, exploring alternative reagents and further recovery optimisation techniques.

Barra Chairman Gary Berrell said today *"we are pleased with metal recovery from low cost processing options, being in line with our earlier expectations. We will now broaden our study to ensure that the maximum returns are achieved for the project from various processing techniques"*.

Background on Mt Thirsty Cobalt Project

Mineral Resource Category	Tonnes	Cobalt (Co) (%)	Nickel (Ni) (%)	Manganese (Mn) (%)
Indicated	16,600,000	0.14	0.60	0.98
Inferred	15,340,000	0.11	0.51	0.73
Total Mineral Resource	31,940,000	0.13	0.55	0.86

The Mt Thirsty Cobalt Oxide Deposit mineral resource was prepared and first reported in accordance with the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported; refer to ASX announcement 8th March 2011: "Resource Upgrade Mt Thirsty Cobalt-Nickel Oxide Deposit": available to view at www.barraresources.com.au). The Company is not aware of any new information or data that materially affects the information included in the previous announcement and that all of the previous assumptions and technical parameters underpinning the estimates in the announcement dated 8th March 2011 have not materially changed.

Mt Thirsty is one of Australia's largest known stand-alone cobalt resources at 32 million tonnes with approximately 40,000 tonnes of contained cobalt. The great advantages of Mt Thirsty compared to other potential cobalt miners is the nature of the resource, being a flat lying, continuous and thick deposit starting from near surface to around 70 metres below surface. Due to intense oxidation, the deposit is very soft, fine grained and low in silica. As the cobalt is attached to the manganese, initial test work has indicated that an agitated leach process done at around 40°C and atmospheric pressure will be sufficient to extract the cobalt. The very nature of the deposit and leaching process being pursued has the potential to translate to a very low CAPEX/OPEX operation.

Given Mt Thirsty's ideal positioning close to infrastructure including power and port access in Western Australia, the Joint Venture remains confident Mt Thirsty has the potential to become a major supplier to the burgeoning battery supply chain.



Gary Berrell
Chairman & CEO
Barra Resources Limited

COMPETENT PERSONS STATEMENT AND DISCLAIMER

- The information in this report which relates to Exploration Results at Mt Thirsty is based on information compiled by Mr Gary Harvey a Competent Person who is a Member of the Australian Institute of Geoscientists and a full-time employee of Barra Resources Limited. Mr Harvey has sufficient 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 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Harvey consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.
- The information in this report which relates to the Mineral Resources at Mt Thirsty is based on information compiled by Mr Alan Miller, a Competent Person and employee of Golder Associates Pty Ltd and who is a member of the Australasian Institute of Mining and Metallurgy. Mr Miller has sufficient 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" (the JORC Code). Mr Miller consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.
- The interpretations and conclusions reached in this report are based on current geological theory and the best evidence available to the authors at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for complete certainty. Any economic decisions that might be taken on the basis of interpretations or conclusions contained in this report will therefore carry an element of risk.
- It should not be assumed that the reported Exploration Results will result, with further exploration, in the definition of a Mineral Resource.
- Forward-looking statements are statements that are not historical facts. Words such as "expect(s)", "feel(s)", "believe(s)", "will", "may", "anticipate(s)" and similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company's prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

Abbreviations: AC=Aircore, Au=gold, Co=cobalt, DEC=Department of Environment and Conservation, DD=Diamond, DMP=Department of Mines and Petroleum, g=grams, g/t=grams per tonne, kg=kilograms, km=kilometres, lb/s=pound/s, LME=London Metal Exchange, lt=litre, m=metres, min=minutes, ml=millilitre, mm=millimetre, Mn=manganese, Mt=million tonnes, Ni=nickel, oz/ozs=ounce/s, pH=measure (1-10) of acidity (1 acid, 7 neutral, 10 basic), ppb=parts per billion, ppm=parts per million, RAB=Rotary Air Blast, RC=Reverse Circulation, RL=Reduced Level, t=tonnes, tpa=tonnes per annum μ m=micrometres, @=grading, %=percent

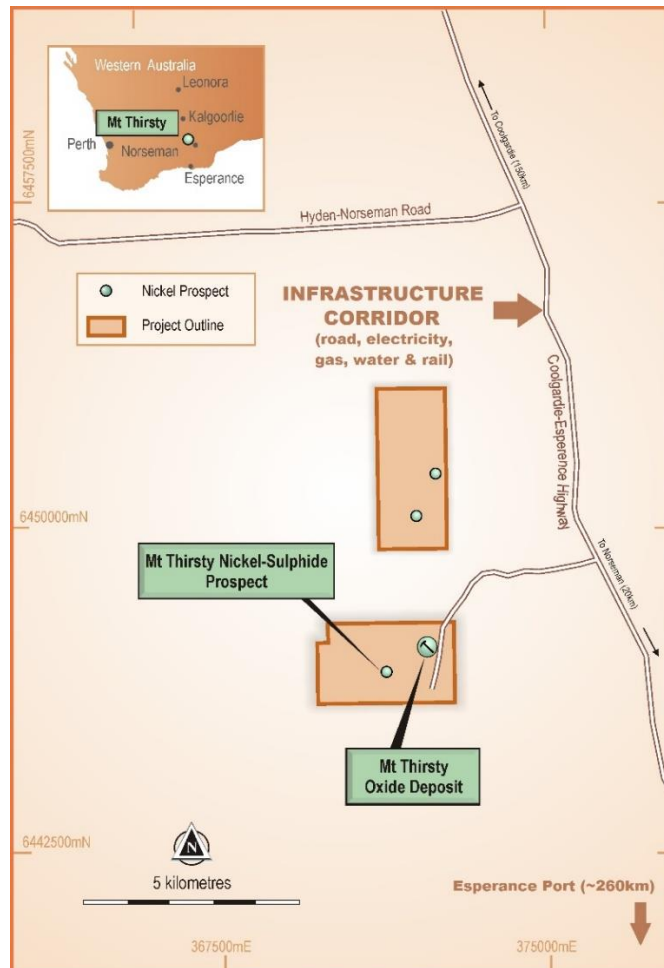


Figure 1: Mt Thirsty Cobalt Project location map

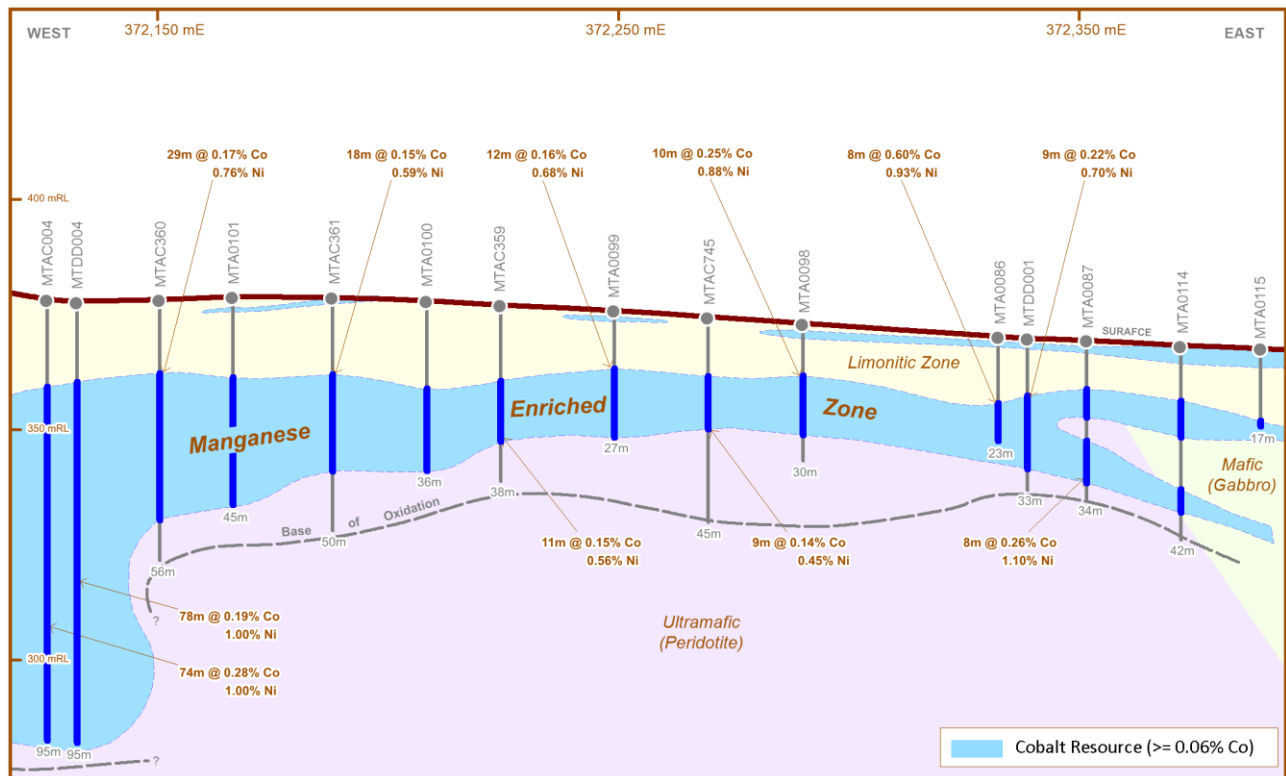


Figure 2: Representative schematic cross-section through the Mt Thirsty Cobalt – Nickel Oxide Deposit