

ASX RELEASE

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ASX CODE

PNN

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PROJECTS

Argentina
Salta Lithium Project

Santa Ines Copper-Gold Project

Australia
Eyre Peninsula Kaolin-Halloysite
Project

Musgrave Nickel-Copper-Cobalt-
PGE Project

Exploration commencing at Musgrave Ni-Cu-Co-PGE Project

- Detailed multi-element re-sampling program by pXRF on previous drillhole samples from EL5220 and EL5735 underway
- More than 1,000 samples analysed to date – selective samples to be sent for laboratory analysis and results used to define drill targets
- Drilling planned to commence once requisite approvals and heritage clearance have been secured
- Collaborative research project initiated with Emeritus Professor John Foden of the University of Adelaide to identify sulphides at Musgrave Project
- Ongoing work to progress Exploration Deed at the priority Pink Slipper target – a Tier-1 exploration target for Power
- Pink Slipper anomaly interpreted as having potential to host Nova-Bollinger Ni-Cu-Co style mineralisation
- Power is the dominant landholder in the Musgrave region, one of the world's most prospective mineralised belts

Lithium exploration and development company Power Minerals Limited (ASX: PNN) (**Power** or **the Company**) is pleased to announce plans to undertake its next phase of exploration at the Musgrave nickel-copper-cobalt-PGE Project in the Musgrave province of northern South Australia.

The Musgrave Project is a long-held core asset for Power. It comprises two Exploration Licences (EL5220 and EL5735) and eight Exploration Licence Applications (ELA118/96, ELA185/96, ELA367/09, ELA368/09, ELA189/15, ELA190/15, ELA191/15 and ELA197/15), over a total project area of 14,003km² (Figure 2).

This positions Power as the dominant landholder in what is one of the most prospective and least explored mineralised belts in the world.

Power is targeting large, magmatic nickel-copper-cobalt sulphide deposits at the Musgrave Project, similar in style to the Nebo-Babel deposit in the western region of the Musgrave province, the Nova-Bollinger deposits in Western Australia and the Tier-1 Voisey's Bay deposit in Canada, plus platinum group element (PGE) mineralisation.

To date, the Musgrave region has not been extensively explored and has, in the opinion of Power, never had its potential value unlocked, making the Musgrave Project a highly significant province-wide discovery opportunity for Power.

Detailed Sampling Program to Define Drill Targets

Previous exploration drilling has been conducted by the Company on the granted Exploration Licences (EL5220 and EL5735). Power already has completed over 3,000 drillholes across a very large area of the Musgrave Project providing the Company with an extensive data base of geological samples - and many of these sample have only had limited analysis.

The Company is now undertaking a detailed multi-element re-sampling program of previous drill samples to help define targets for a next phase of drilling.

Drillhole samples are the subject of pXRF analysis by Power, and to date in excess of 1,000 pXRF analyses have been completed using a full element matrix.

Selective samples will then be sent for extensive laboratory analysis, and the results will be used to help define targets for a next phase of drilling at priority targets within the granted Exploration Licences (EL5220 and EL5735) within the Musgrave Project (refer to Figure 1).



Figure 1: Drill sample splitting, Musgrave Nickel-Copper-Cobalt Project, Musgrave province, South Australia

Exploration Deeds are in place at these Exploration Licences, and Power plans to commence drilling once South Australian Department for Energy and Mining approval and heritage clearance has been secured.

Exploration Deed Progress at Priority Pink Slipper Target

The priority target at the Musgrave Project is the Pink Slipper geophysical anomaly. It is interpreted as a bedrock anomaly coincident with the base of a large ultramafic intrusion, with the potential to host sulphide accumulation, in a similar interpreted-style model to the Voisey's Bay and Nova-Bollinger deposits.

Pink Slipper represents a Tier-1 exploration target, and was redefined by Airborne Electromagnetic Surveys conducted by CSIRO in 2019. Exploration of Pink Slipper is an ongoing core focus for Power.

It is located within the Anangu Pitjantjatjara Yankunytjatjara (APY) Lands, and comprises four ELAs over a total area of 615km² (Figure 1). Pink Slipper is the subject of a Farm-in Joint Venture with Rio Tinto Ltd (via Rio Tinto Exploration Pty Ltd), where Power has 51% equity in the joint venture.

An Exploration Deed is required to be entered into between the JV partners and the APY traditional owners prior to the commencement of on-ground exploration at Pink Slipper. After the traditional summer hiatus, preparations have commenced for informational meetings to be held with the traditional owners to ensure all opinions are heard and respected. The traditional owners input and agreement is the final major stage in completing the Exploration Deed.

Progress towards an Exploration Deed is ongoing under the leadership of Power's Land Access General Manager, Damien Barnes.

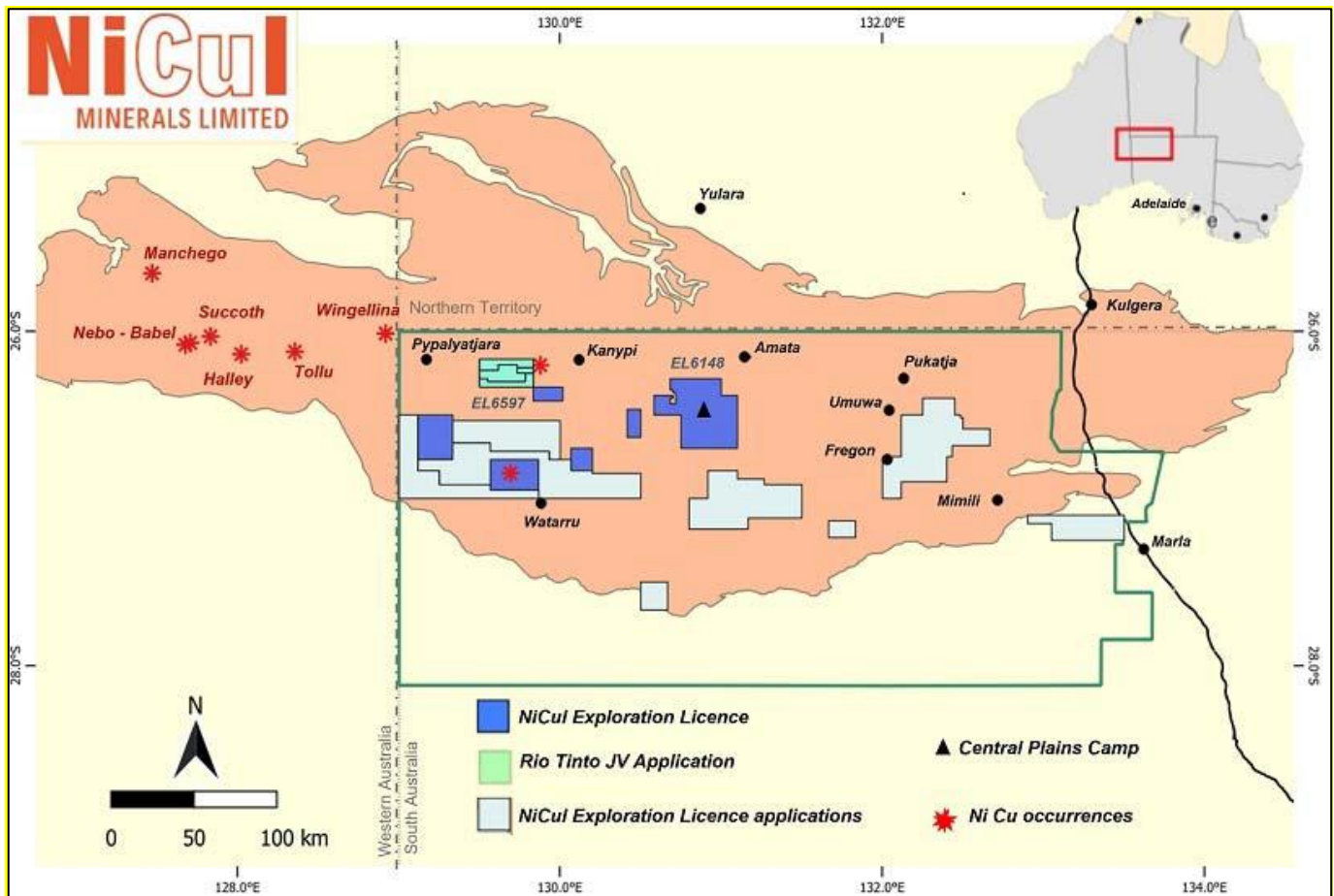


Figure 2: Musgrave Nickel-Copper-Cobalt Project, Musgrave province, South Australia

“Advancing the Musgrave Project is a core focus. The large-scale, multi-commodity potential of what is a globally significant, underexplored minerals province is compelling and exciting. The Farm-in Joint Venture with Rio Tinto for the Pink Slipper anomaly is the standout target within the Project, and we continue to make progress on securing an Exploration Deed with the traditional owners, the APY people, to facilitate the commencement of on-ground exploration at this Tier-1 exploration opportunity. There are also two granted Exploration Licences at the Project, and we are excited by the opportunity to drill identified priority targets in the coming months.”

Power Minerals Managing Director, Mena Habib

Research Project to Identify Sulphides at Musgrave Project

Power has also entered into a collaborative research project with Emeritus Professor John Foden of the University of Adelaide to apply an advanced technical analysis to examine existing samples from the Mt Caroline Intrusion within the Musgrave project area.

The project will seek to determine the likely position of nickel, copper and possibly PGE mineralisation in the silicate and oxide minerals, as a function of stratigraphic height (in diamond drill core) up from the base of the intrusion. This will mark the stratigraphic surface at which sulphide accumulation may exist, even when sulphide minerals are not present in the core. It is anticipated that this project will be completed in the first half of 2023.

Authorised for release by the Board of Power Minerals Limited.

-ENDS-

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About Power Minerals Limited

Power Minerals Limited is an ASX-listed lithium-focused exploration and development company, committed to the systematic exploration and development of its core asset, the Salta Lithium Brine Project in the prolific lithium triangle in the Salta Province in Argentina. It is currently undertaking a major JORC Mineral Resource expansion drilling campaign at Salta, and is focused on expediting development of the Project in to a potential, future lithium producing operation. Power also has a portfolio of other assets in key, demand-driven commodities including; kaolin-halloysite, nickel-copper-cobalt and PGEs plus copper-gold.

Competent Persons Statement

This announcement regarding the Musgrave project has been prepared with information compiled by Steven Cooper FAusIMM. Steven Cooper is the Company's Exploration Manager, and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration 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". Steven Cooper consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.

Forward looking Statements

This announcement contains 'forward-looking information' that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to the Company's business strategy, plans, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, mineral reserves and resources, results of exploration and related expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'potential', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this announcement are cautioned that such statements are only predictions, and that the Company's actual future results or performance may be materially different. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information.