

11 January 2022

DRILLING UNDERWAY OF EXCITING SEISMIC TARGETS AT MT ALEXANDER**HIGHLIGHTS**

- **2022 diamond drill programme at the Mt Alexander nickel-copper-PGE project is underway with drilling of the first high-priority seismic target S1**
- **Interim findings from St George-CSIRO research project indicate the mafic-ultramafic intrusions of the Cathedrals Belt are of Proterozoic age and belong to the Warakurna Large Igneous Province (LIP)**
- **The Warakurna LIP is known to be highly prospective for Ni-Cu-PGE mineralisation with deposit examples in Western Australia including the large Nebo-Babel Ni-Cu-PGE deposit being developed by OZ Minerals (ASX: OZL)**

Growth-focused Western Australian nickel company St George Mining Limited (ASX: **SGQ**) (“**St George**” or “**the Company**”) is pleased to announce that diamond drilling has resumed at its flagship high-grade Mt Alexander Project, located in the north-eastern Goldfields.

Drilling will focus on testing high-priority targets identified from the seismic survey recently completed at Mt Alexander. The first target to be drilled is S1. This large seismic target is modelled with a dip-extent of 450m and located down-dip from and within the same Cathedrals Belt structure that hosts extensive massive nickel-copper sulphides drilled at Investigators.

S1 is located within Exploration Licence E29/548 (100% St George).

John Prineas, St George Mining’s Executive Chairman, said:

“I am delighted that we have been able to commence our drilling so early in the New Year. The 2022 diamond drilling is our first-ever drilling of seismic targets and the results will be keenly anticipated by all shareholders.

“Our excitement has been dialled up with initial findings from the St George-CSIRO research project that the Cathedrals Belt intrusions are associated with the Warakurna Large Igneous Province, significantly increasing the prospectivity for us to discover more large-scale Ni-Cu-PGE mineralisation at Mt Alexander.

“We wish our shareholders and service providers a happy and safe New Year and look forward to reporting results from our drilling programme in the coming weeks.”

For further details of the seismic targets, see our ASX Releases dated 1 December 2021 ‘*Seismic Results Unlock Standout Targets*’ and 8 December 2021 ‘*Seismic Delivers Another Standout Target at Mt Alexander*’.

Drilling will initially be carried out by a single crew with one shift per day. COVID-19 regulations and border restrictions have delayed the arrival of the second crew. It is expected that drilling will be carried out 24/7 with two crews within two weeks.

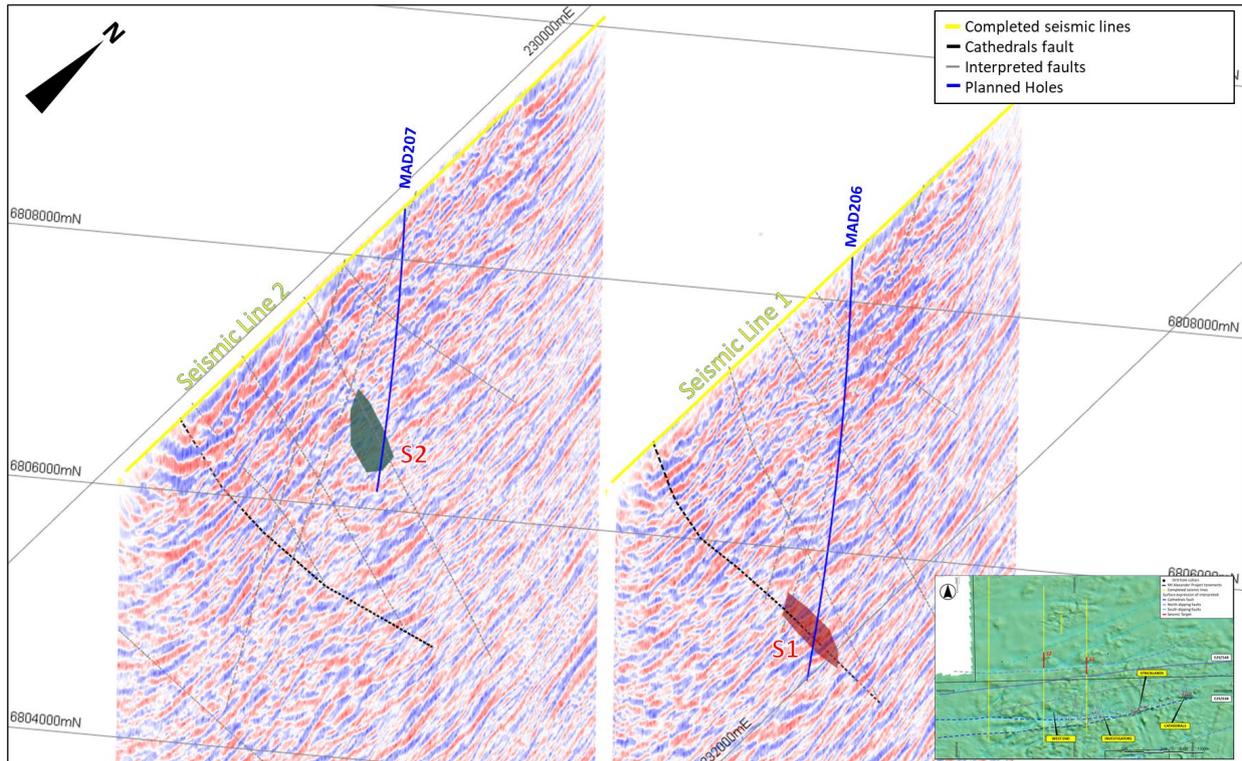


Figure 1 - oblique section (looking north-west) showing targets S1 and S2 with traces of the planned holes. Background data is the seismic 2D SEG-Y imagery from Lines 1 and 2 in the 2021 seismic survey. Holes to test seismic targets S1 and S2 will be drilled towards the south to optimally intersect the targets.

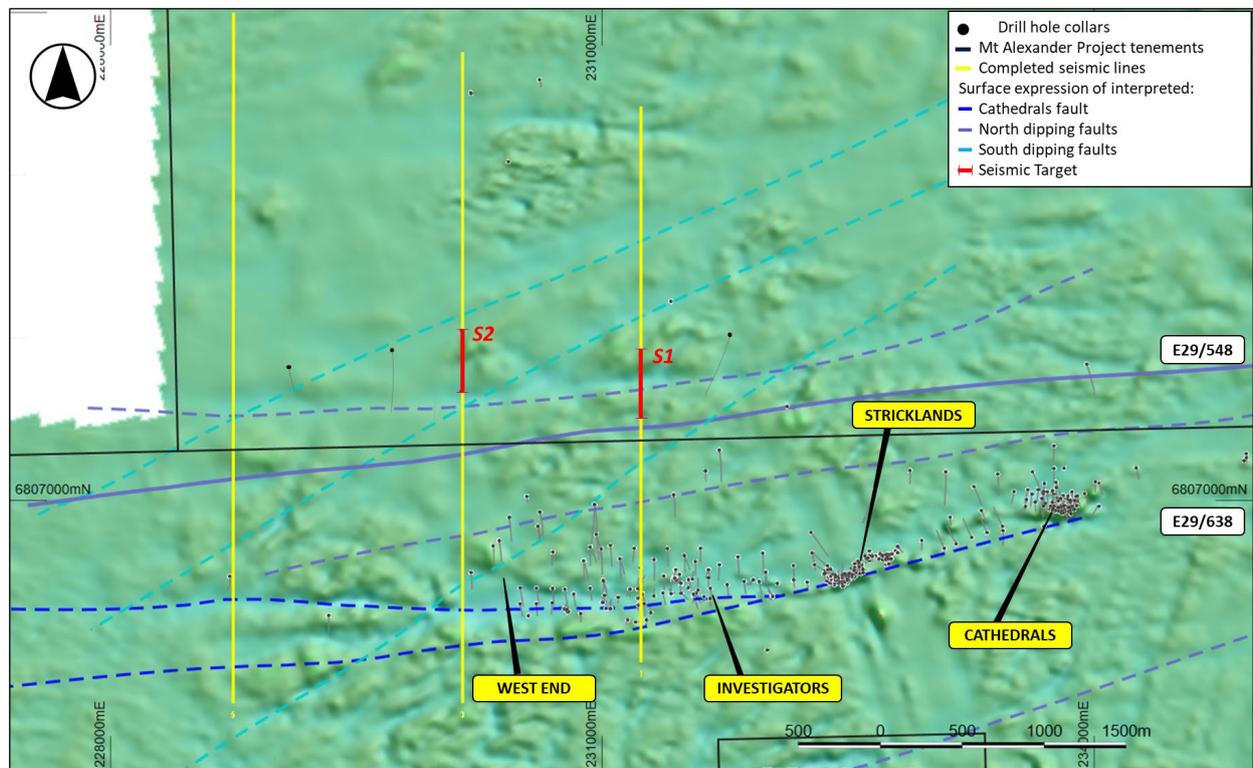


Figure 2 – map (against magnetic RTP 1VD) showing the seismic survey lines (yellow), the structures delineated by the survey and the new targets (interpreted position at depth projected at surface).

Hole ID	Tenement	East	North	RL	EOH Depth	Target Depth	DIP	AZI	Target
MAD206	E29/548	231238	6808009	414	990	850	-70	167	S1
MAD207	E29/548	230150	6808081	408	660	550	-65	173	S2

Table 1 – drill hole details for the first two holes planned in the 2022 drill programme

WARAKURNA LIP – TECHNICAL IMPLICATIONS

St George and CSIRO commenced a research project in 2021 aimed at characterising the unique nickel-copper sulphide mineralisation and intrusive geology in the Cathedrals Belt. The purpose of the project is to better understand the generation and emplacement mechanism behind the mineralised intrusive system, which may provide an insight into the most prospective areas to host further high-grade Ni-Cu-PGE mineralisation in the project area.

CSIRO is Australia’s peak scientific research authority and has world-leading expertise in producing ore genesis models for nickel sulphide deposits.

Studies by CSIRO of mineralisation from the Cathedrals Belt have dated the host intrusions at approximately 1.1Ga, linking the mineralisation to the Proterozoic-age Warakurna Large Igneous Province (LIP) – a very large igneous event that spans from central Australia to the west coast of Western Australia.

LIPs around the world are known to host significant Ni-Cu-PGE deposits, with examples including the giant Norilsk-Talnakh deposit in Siberia and multiple deposits within the Duluth Complex in the Lake Superior region of North America.

In Western Australia, the very large Nebo-Babel deposit (*Mineral Resource with contained metal of 1.2Mt Ni and 1.3Mt Cu; see ASX Release by OZ Minerals dated 16 November 2021*) is hosted within the Warakurna LIP.

Layered mafic-ultramafic intrusions and a complex plumbing system of sills and dykes are common features of LIPs. This kind of architecture is typical across the Cathedrals Belt.

Petrographic studies by St George on the mineralisation at Investigators confirmed that massive Ni-Cu sulphides are hosted within gabbro-norite, a common host to significant Ni-Cu mineralisation around the globe. At Nebo-Babel, massive Ni-Cu sulphides are also hosted within gabbro-norite.

The research project with CSIRO is expected to conclude within the next month. We look forward to reporting other significant findings on the architecture and emplacement mechanisms for the Cathedrals Belt.

COVID-19:

St George continues to manage its operations in compliance with COVID-19 regulations issued by State and Commonwealth authorities. We proactively manage drilling and other field programmes to protect the health and safety of our team and service providers.

Border restrictions in Western Australia and elsewhere have impacted the movement of personnel for drill rig crews, which is constraining the availability of drill rigs. St George is in close contact with its drilling contractors to best manage access and continuity to drilling services.

About the Mt Alexander Project:

The Mt Alexander Project is located 120km south south-west of the Agnew-Wiluna Belt, which hosts numerous world-class nickel deposits. The Project comprises six granted exploration licences – E29/638, E29/548, E29/962, E29/954, E29/972 and E29/1041 – which are a contiguous package. A seventh granted exploration licence – E29/1093 – is located to the south-east of the core tenement package.

The Cathedrals, Stricklands, Investigators and Radar nickel-copper-cobalt-PGE discoveries are located on E29/638, which is held in joint venture by St George (75%) and Western Areas Limited (25%). St George is the Manager of the Project, with Western Areas retaining a 25% non-contributing interest in the Project (in regard to E29/638 only) until there is a decision to mine. All other Project tenements are owned 100% by St George.

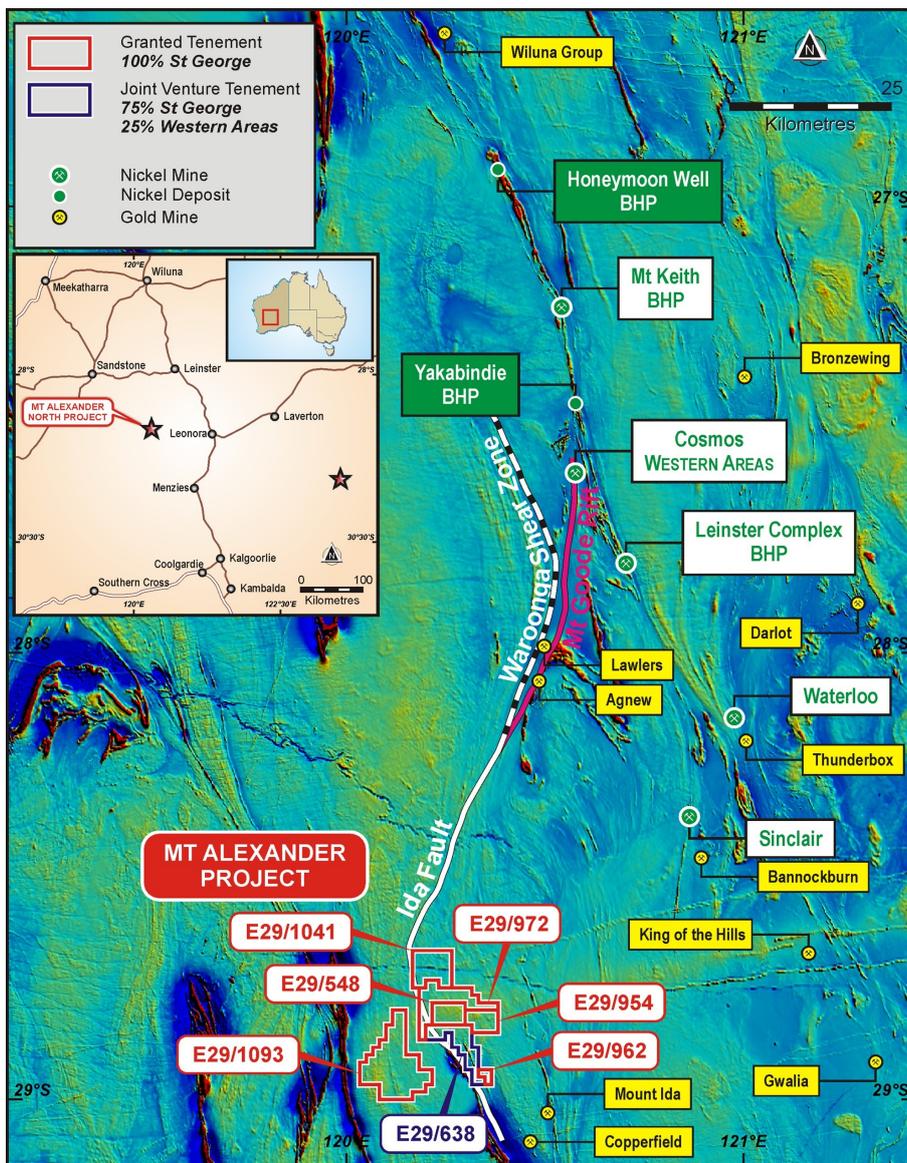


Figure 3 – regional map (over TMI magnetics) showing the location of the Mt Alexander Project to the south-west of major nickel projects in the Agnew-Wiluna Belt – a globally significant region for nickel sulphide production.

Authorised for release by the Board of St George Mining Limited.

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Competent Person Statement:

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves for the Mt Alexander Project is based on information compiled by Mr Dave Mahon, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Mahon is employed by St George Mining Limited to provide technical advice on mineral projects, and he holds performance rights issued by the Company.

Mr Mahon has sufficient experience that is relevant to the style of mineralisation and type 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'. Mr Mahon consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

This ASX announcement contains information extracted from the following reports which are available on the Company's website at www.stgm.com.au:

- 21 December 2021 *Early Start for Diamond Drilling of New Seismic Targets at Mt Alexander*
- 08 December 2021 *Seismic Delivers Another Standout Target at Mt Alexander*
- 01 December 2021 *Seismic Results Unlock Standout Targets*

The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in any original market announcements referred to in this report and that no material change in the results has occurred. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.