

5 October 2022

HIGHLY PROSPECTIVE NICKEL TARGETS CONFIRMED AT MT ALEXANDER

New drill targets for potential nickel sulphides identified in parallel with lithium exploration, which continues to identify lithium-bearing pegmatites

HIGHLIGHTS

- Several compelling targets confirmed by the recent fixed loop electromagnetic (FLEM) survey near the interpreted granite/greenstone contact of the Mt Alexander Belt
- A large FLEM conductor (P1) is interpreted approximately 4km south of the high-grade Cathedrals Ni-Cu-PGE massive sulphide deposit located on the east-west Cathedrals Belt
- P1 is modelled as an EM plate with the following parameters:
 - ◆ conductivity of 7,650 Siemens with a late-time EM response
 - ◆ dimensions of 400m x 200m
 - ◆ located approximately 200m below surface
- The FLEM survey has also identified four additional mid to late-time conductors (P2, P3, P4 and P5) within an area extending approximately 700m x 400m
- The FLEM conductive anomalies may be associated with a strong seismic reflector interpreted to occur north of the conductors and below the granite contact
- Drilling of these new nickel targets is planned for Q4 2022, alongside a maiden program to test lithium targets at Mt Alexander

St George Mining Limited (ASX: SGQ) ("St George" or "the Company") is pleased to announce new promising nickel targets at its flagship Mt Alexander Project in Western Australia.

Nickel exploration is being carried out at Mt Alexander – where St George has already made four high-grade sulphide discoveries – in parallel with a maiden lithium exploration programme.

St George has established a track record of successfully using electromagnetic surveys to identify targets that are highly prospective for nickel. The Company is excited at the latest highly prospective nickel targets identified by the FLEM and looks forward to testing them with drilling later this quarter.

The dual-track exploration focus at Mt Alexander follows the identification in the September Quarter of potentially significant, visible lithium minerals in several outcropping pegmatite dykes within a 15km-long corridor on St George tenements. The first phase of pegmatite mapping and rock-chip sampling is almost complete and first assays from rock-chip samples submitted to the laboratory are expected next week.

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

"Initial results from the FLEM survey that commenced last week at Mt Alexander are very encouraging with a number of conductors confirmed in the area south of the Cathedrals Ni-Cu-PGE Belt.

"The prospectivity of the key conductive anomaly identified by the earlier moving loop ARMIT EM survey has been upgraded. The FLEM data indicates a larger and more conductive anomaly, referred to as **P1** that has a geophysical signature consistent with massive sulphides.

“This bedrock conductor is located within the interpreted area of the granite/greenstone contact south of Cathedrals and is a compelling nickel target.

“In addition, P1 occurs south of a large, distinctive seismic reflector with an interpreted source below the granite intrusion and bounded by faults that may be related to the Cathedrals massive sulphide mineralisation. The strong seismic reflector is also considered a high priority drill target.

“The granite/greenstone contact has not previously been explored and we are delighted that our systematic exploration has identified new, high priority nickel targets for drill testing.

“We look forward to an exciting drill programme in Q4 2022 that will test both these new nickel targets as well as the emerging lithium prospects at Mt Alexander.”

Nickel targets in the granite/greenstone contact:

Late-stage granites can disrupt existing greenstones resulting in the remobilisation and concentration of sulphide mineralisation adjacent to as the granite/greenstone contact. This geological setting is known to host high-grade nickel in other parts of the Yilgarn Craton, including at the Flying Fox mine at Forrestania.

At Mt Alexander, the known occurrences of nickel sulphides north and south of the target area support the potential for nickel sulphides to be remobilised within or adjacent to granite. Mineral deposits below and/or within granite intrusions may be blind from surface, making EM surveys a suitable method to investigate for any conductive material.

The FLEM survey has identified five EM anomalies in the interpreted area of the granite/greenstone contact. P1 has a late-time response and conductivity much higher than the other four EM anomalies. These features distinguish P1 from the other conductors, making it the highest rated drill target.

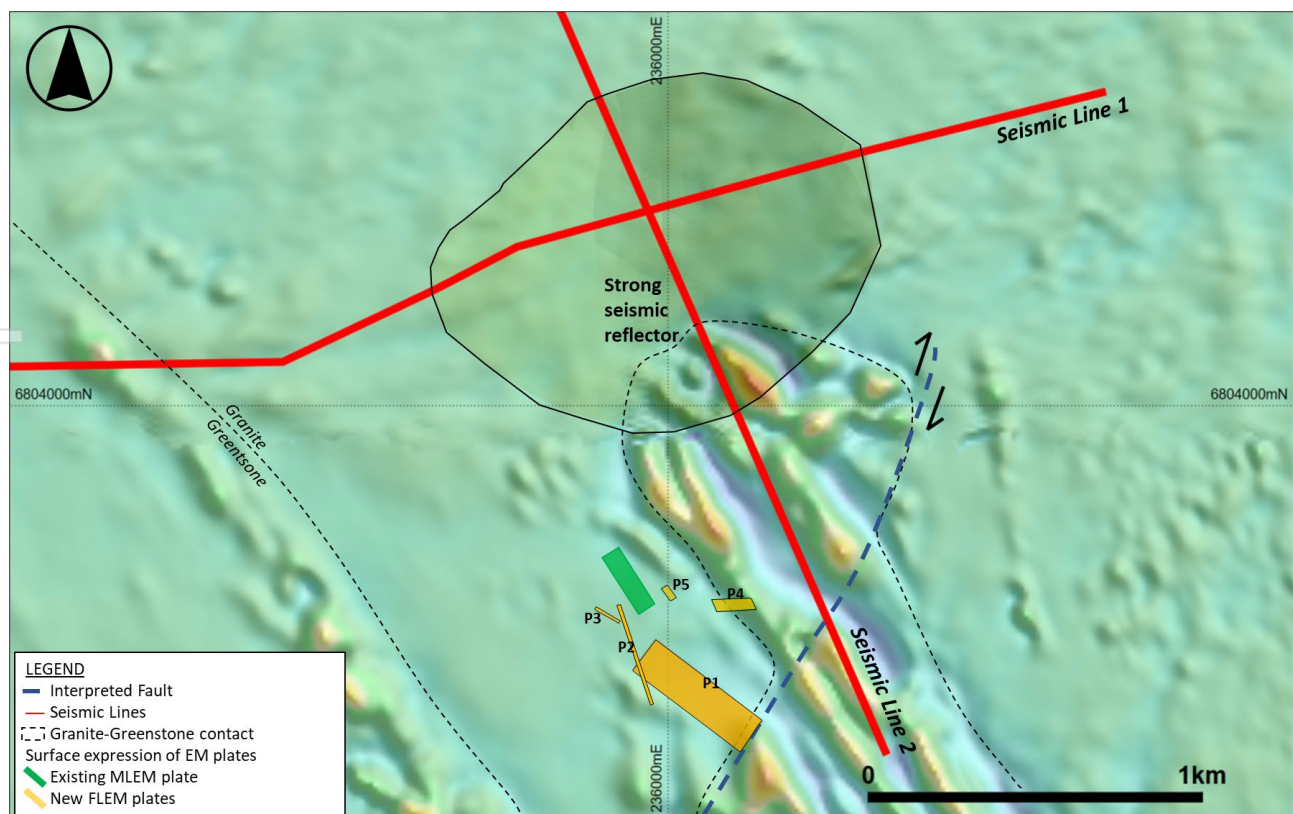


Figure 1 – map of the granite/greenstone contact area (against magnetic RTP 1VD) showing the latest modelled EM anomalies identified by the recent FLEM survey as well as the surface expression of the new large seismic reflector.

The FLEM survey was utilised to further constrain the anomalous response detected in the moving loop electromagnetic (MLEM) survey completed in July/August this year. Plates 1, 2 and 3 (P1- P3) in the FLEM survey are believed to be related to the initial MLEM response. P1 has a late-time response and conductivity much higher than the other four EM anomalies. These features distinguish P1 from the other conductors, making it the highest rated drill target.

The modelled plates for the FLEM conductors are shown in Figure 1 and are summarised as follows:

Anomaly	Strike (m)	Depth (m)	Conductivity (S)
Plate 1	400	200	7,650
Plate 2	309	91	1,525
Plate 3	141	51	1,000
Plate 4	50	45	600
Plate 5	82	78	1,325

P1 is modelled as a discrete bedrock conductor within the granite/greenstone contact – an area of the Central greenstone belt that is interpreted to be offset below surface by the later granites. The modelled EM plate for this conductor is dipping moderately to the north-east. The plate commences approximately 200m below surface.

The FLEM survey is continuing at underexplored areas of interest at Mt Alexander, with potential for additional priority nickel targets to be defined.

Seismic targets:

The seismic survey along the Mt Alexander Belt identified a large reflector interpreted to be flat-lying with a strike of approximately 1,000m and varying thickness. The reflector is interpreted to be the offset extension of the Central greenstone belt. The FLEM survey did not identify any anomalies coincident with the seismic reflector.

This could be because the reflector at 500m below surface is beyond the depth penetration of the FLEM survey. The reflector remains a priority drill target and may be associated with the FLEM conductors identified along strike to the south. Confirmation by drilling that the reflector represents part of the greenstone sequence would be significant by identifying an additional target horizon below the granites.

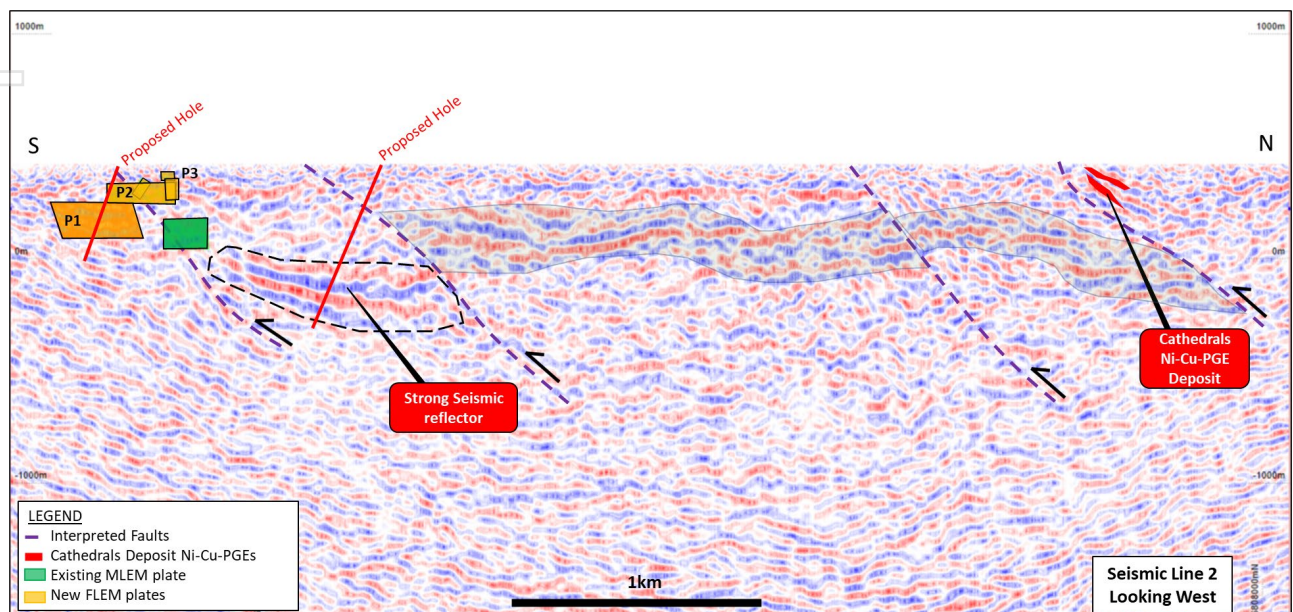


Figure 2 – seismic data from Line 2 (looking west) highlighting the strong reflector and adjacent plates for the latest EM anomalies. Planned drill holes are also shown.

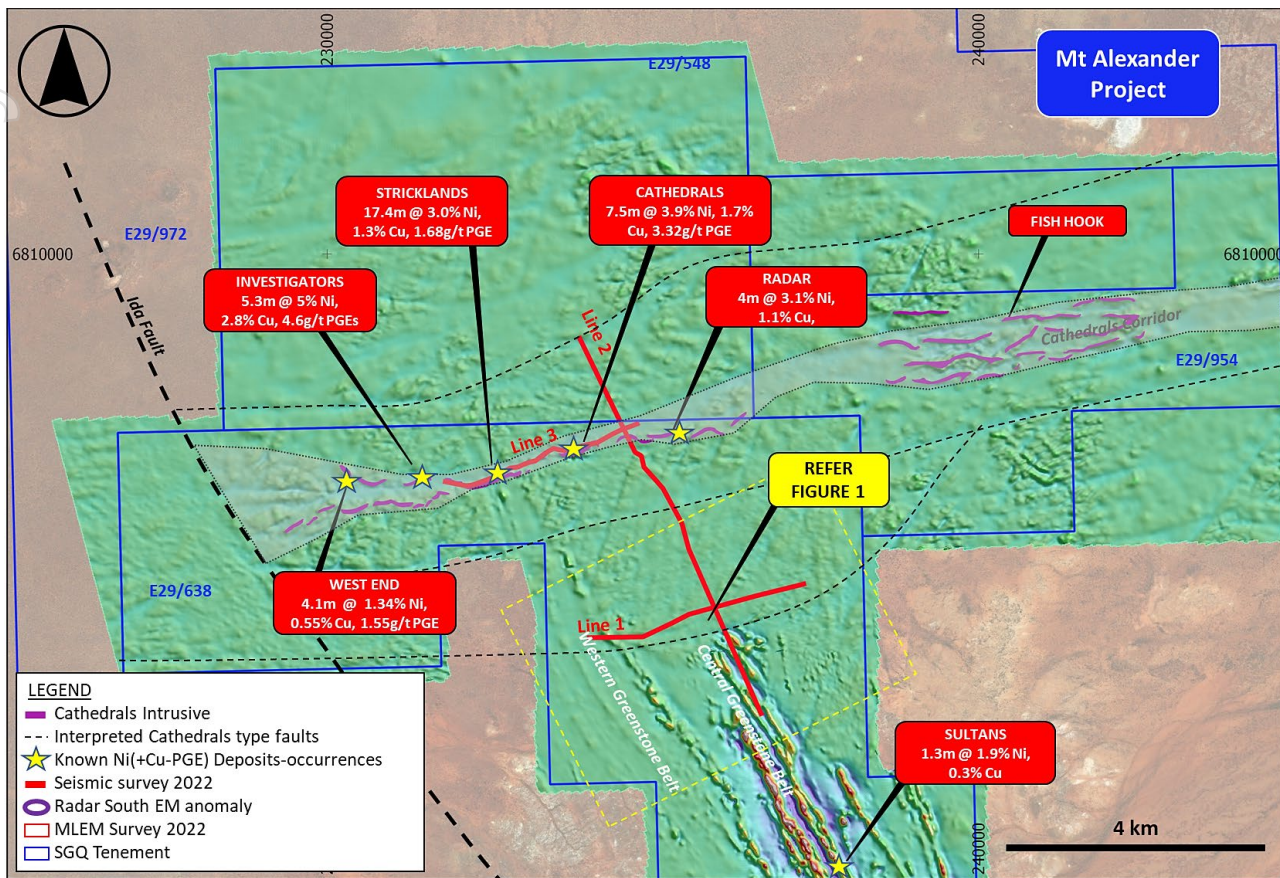


Figure 3 – Mt Alexander project map (against magnetic RTP 1VD) showing the completed latest seismic survey lines and nickel occurrences at the project.

About the Mt Alexander Project:

The Mt Alexander Project is located 120km 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. An additional two exploration licences – E29/1093 and E29/1126 – are 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 IGO Limited (25%). St George is the Manager of the Project, with IGO retaining a 25% non-contributing interest (in E29/638 only) until there is a decision to mine. All other Project tenements are owned 100% by St George.

The Mt Alexander Project is also interpreted to host more than 15km of a LCT pegmatite corridor, which is known to host significant lithium mineralisation at the Mt Ida Project of Red Dirt Metals (ASX: RDT) located to the south-east of the Mt Alexander Project.

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 Geoscientists. 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.

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This announcement includes forward-looking statements that are only predictions and are subject to known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of St George, the directors and the Company's management. Such forward-looking statements are not guarantees of future performance.

Examples of forward-looking statements used in this announcement include use of the words 'may', 'could', 'believes', 'estimates', 'targets', 'expects', or 'intends' and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of announcement, are expected to take place.

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The following section is provided for compliance with requirements for the reporting of exploration results under the JORC Code, 2012 Edition.

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<p><i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i></p>	<p>Diamond Core Sampling: The sections of the core that are selected for assaying are marked up and then recorded on a sample sheet for cutting and sampling at the certified assay laboratory. Samples of HQ or NQ2 core are cut just to the right of the orientation line where available using a diamond core saw, with half core sampled lengthways for assay.</p> <p>Seismic: The surveys were conducted by Ultramag Geo Pty Ltd independent contractors using the Synchro E-vibe instrument and picked up by Stryde node receiver sensors.</p> <p>EM Surveying: All data is collected in a Moving Loop (MLEM) survey configuration using a MLEM HPTX transmitter, ARMIT sensor and TerraTem receiver.</p>
	<p><i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i></p>	<p>Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays. Downhole surveys of dip and azimuth are conducted using a single shot camera every 30m, and using a downhole Gyro when required, to detect deviations of the hole from the planned dip and azimuth. The drill-hole collar locations are recorded using a hand-held GPS, which has an accuracy of +/- 5m. All drill-hole collars will be surveyed to a greater degree of accuracy using a certified surveyor at a later date.</p> <p>Diamond Core Sampling: For diamond core samples, certified sample standards were added as every 25th sample. Core recovery calculations are made through a reconciliation of the actual core and the driller's records. Downhole surveys of dip and azimuth were conducted using a single shot camera every 30m to detect deviations of the hole from the planned dip and azimuth. The drill-hole collar locations are recorded using a hand-held GPS, which has an accuracy of +/- 5m.</p>
	<p><i>Aspects of the determination of mineralisation that are Material to the Public Report.</i></p> <p><i>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i></p>	<p>Diamond Core Sampling: Diamond core (both HQ and NQ2) is half-core sampled to geological boundaries no more than 1.5m and no less than 10cm. Samples less than 3kg are crushed to 10mm, dried and then pulverised to 75µm. Samples greater than 3kg are first crushed to 10mm then finely crushed to 3mm and input into the rotary splitters to produce a consistent output weight for pulverisation.</p> <p>Pulverisation produces a 40g charge for fire assay. Elements determined from fire assay are gold (Au), platinum (Pt) and palladium (Pd) with a 1ppb detection limit. To determine other PGE concentrations (Rh, Ru, Os, Ir) a 25g charge for nickel sulphide collect fire assay is used with a 1ppb detection limit.</p> <p>Other elements will be analysed using an acid digest and an ICP finish. These elements are: Ag, Al, As, Bi, Ca, Cd, Co, Cr, Fe, K, Li, Mg, Mn, Mo, Nb, Ni, P, Pb, S, Sb, Sn, Te, Ti, V, W, Zn. The sample is digested with nitric, hydrochloric, hydrofluoric and perchloric acids to effect as near to total solubility of the sample as possible. The sample is then analysed using ICP-AES or ICP-MS.</p> <p>LOI (Loss on Ignition) will be completed on selected samples to determine the percentage of volatiles released during heating of samples to 1000°C.</p>
Drilling techniques	<p><i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-</i></p>	<p>Diamond Core Sampling: The collars of the diamond holes were drilled using RC drilling down through the regolith to the point of refusal or to a level considered geologically significant to change to</p>

Criteria	JORC Code explanation	Commentary
	<i>sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	<p>core. The hole was then continued using HQ diamond core until the drillers determined that a change to NQ2 coring was required.</p> <p>The core is oriented and marked by the drillers. The core is oriented using ACT Mk II electric core orientation.</p>
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	<i>Diamond Core Sampling:</i> Diamond core recoveries are recorded during drilling and reconciled during the core processing and geological logging. The core length recovered is measured for each run and recorded which is used to calculate core recovery as a percentage.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	<i>Diamond Core Sampling:</i> Measures taken to maximise core recovery include using appropriate core diameter and shorter barrel length through the weathered zone, which at Cathedrals and Investigators is mostly <20m and Stricklands <40m depth. Primary locations for core loss in fresh rock are on geological contacts and structural zones, and drill techniques are adjusted accordingly, and if possible, these zones are predicted from the geological modelling.
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	To date, no sample recovery issues have yet been identified that would impact on potential sample bias in the competent fresh rocks that host the mineralised sulphide intervals.
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	Geological logging is carried out on all drill holes with lithology, alteration, mineralisation, structure and veining recorded.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	Logging of diamond core and RC samples records lithology, mineralogy, mineralisation, structures (core only), weathering, colour and other noticeable features. Core was photographed in both dry and wet form.
	<i>The total length and percentage of the relevant intersections logged.</i>	All drill holes are geologically logged in full and detailed litho-geochemical information is collected by the field XRF unit. The data relating to the elements analysed is used to determine further information regarding the detailed rock composition.
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	<p><i>Diamond Core Sampling:</i> Diamond core was drilled with HQ and NQ2 size and sampled as complete half core to produce a bulk sample for analysis. Intervals selected varied from 0.3 – 1m (maximum) The HQ and NQ2 core is cut in half length ways just to the right of the orientation line where available using a diamond core saw. All samples are collected from the same side of the core where practicable.</p> <p>Assay preparation procedures ensure the entire sample is pulverised to 75 microns before the sub-sample is taken. This removes the potential for the significant sub-sampling bias that can be introduced at this stage.</p>
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	Not applicable

Criteria	JORC Code explanation	Commentary
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	The entire sample is pulverised to 75µm using LM5 pulverising mills. Samples are dried, crushed and pulverized to produce a homogenous representative sub-sample for analysis. A grind quality target of 90% passing 75µm is used.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	Quality control procedures include submission of Certified Reference Materials (standards), duplicates and blanks with each sample batch. QAQC results are routinely reviewed to identify and resolve any issues. <i>Diamond Core Sampling:</i> Drill core is cut in half lengthways and the total half-core submitted as the sample. This meets industry standards where 50% of the total sample taken from the diamond core is submitted.
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i>	Duplicate samples are selected during sampling. Samples comprise two quarter core samples for Diamond Core. Duplicate RC samples are captured using two separate sampling apertures on the splitter.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	The sample sizes are considered to be appropriate to correctly represent base metal sulphide mineralisation and associated geology based on: the style of mineralisation (massive and disseminated sulphides), the thickness and consistency of the intersections and the sampling methodology.
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	A 25-50gram sample will be fire assayed for gold, platinum and palladium, using a minimum detection value of 1ppb for gold is 1ppb and 0.5ppb for platinum and palladium. Diamond core samples are analysed for Au, Pt and Pd using a 40g lead collection fire assay; for Rh, Ru, Os, Ir using a 25g nickel sulphide collection fire assay; and for Ag, Al, As, Bi, Ca, Cd, Co, Cr, Fe, K, Li, Mg, Mn, Mo, Nb, Ni, P, Pb, S, Sb, Sn, Te, Ti, V, W, Zn using a four acid digest and ICP-AES or MS finish. The assay method and detection limits are appropriate for analysis of the elements required.
	<i>For geophysical tools, spectrometres, handheld XRF instruments, etc, the parametres used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	<i>Seismic: Stryde node receivers are placed at 5m spacing and transmitter Synchro E-vibe (source) spacing of 10m over a total 12.9 lineal km of survey. Each data point is completed for a total of 30 second sweep duration at 4-90Hz for each source point and 5 second reading duration.</i> MLEM: 200m x 200m loops with 100-400m stations were used for the MLEM surveys. The MLEM HPTX transmitter uses a base frequency of 1Hz and 100amps. The ARMIT sensor is configured in a slingram configuration with a separation of 400m TX-RX. Elevation information was captured using handheld GPS with an accuracy of <5m.
	<i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i>	Laboratory QAQC involves the use of internal lab standards using certified reference material (CRMs), blanks and pulp duplicates as part of in-house procedures. The Company also submits a suite of CRMs, blanks and selects appropriate samples for duplicates. Sample preparation checks for fineness are performed by the laboratory to ensure the grind size of 90% passing 75µm is being attained.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Significant intersections are verified by the Company's technical staff.

Criteria	JORC Code explanation	Commentary
	<i>The use of twinned holes.</i>	No twinned holes have been planned for the current drill programme.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	Primary data is captured onto a laptop using acQuire software and includes geological logging, sample data and QA/QC information. This data, together with the assay data, is entered into the St George Mining central SQL database which is managed by external consultants.
	<i>Discuss any adjustment to assay data.</i>	No adjustments or calibrations will be made to any primary assay data collected for the purpose of reporting assay grades and mineralised intervals. For the geological analysis, standards and recognised factors may be used to calculate the oxide form assayed elements, or to calculate volatile free mineral levels in rocks.
Location of data points	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	<p>Drill holes have been located and pegged using a DGPS system with an expected accuracy of +/-5m for easting, northing and elevation.</p> <p>Downhole surveys are conducted using a single shot camera approximately every 30m or downhole Gyro during drilling to record and monitor deviations of the hole from the planned dip and azimuth. Post-drilling downhole gyroscopic surveys will be conducted, which provide more accurate survey results.</p> <p>Seismic survey: all stations were located using NAVCOM DGPS survey equipment. 1,290 data collection points and a total of 12.9 lineal km were traversed to collect the 2D Seismic data set</p>
	<i>Specification of the grid system used.</i>	The grid system used is GDA94, MGA Zone 51.
	<i>Quality and adequacy of topographic control.</i>	Elevation data has been acquired using DGPS surveying at individual collar locations and entered into the central database. A topographic surface has been created using this elevation data.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	The spacing and distribution of holes is not relevant to the drilling programs which are at the exploration stage rather than definition drilling.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	The completed drilling at the Project is not sufficient to establish the degree of geological and grade continuity to support the definition of Mineral Resource and Reserves and the classifications applied under the 2012 JORC code.
	<i>Whether sample compositing has been applied.</i>	No compositing has been applied to the exploration results.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	<p>The drill holes are drilled to intersect the modelled mineralised zones at a near perpendicular orientation (unless otherwise stated). However, the orientation of key structures may be locally variable and any relationship to mineralisation has yet to be identified.</p> <p>Seismic: Three oriented lines were surveyed. Two shorter lines approximately perpendicular and one long line parallel to the strike of known target stratigraphy of the Ullaring greenstone belt were completed. Lines crossed each other for the purpose of cross-referencing geological structures. The length of lines were designed to allow imaging of deep structures to approximately 1.5km depths.</p>
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	No orientation based sampling bias has been identified in the data to date.
Sample security	<i>The measures taken to ensure sample security.</i>	Chain of Custody is managed by the Company until samples pass to a certified assay laboratory for subsampling and assaying. The RC sample bags are stored on secure sites and delivered to the assay laboratory by the Company or a competent agent. When in transit,

Criteria	JORC Code explanation	Commentary
		they are kept in locked premises. Transport logs have been set up to track the progress of samples.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	<p>Sampling techniques and procedures are regularly reviewed internally, as is data. To date, no external audits have been completed on the drilling programme.</p> <p>Results of the Seismic dataset was processed and queried by Dayborgeo Geophysical Pty Ltd. Interpretations were completed by Rock Solid Seismic Pty Ltd with assistance from SGQ geologists. Both are independent contractors engaged by St George Mining.</p>

Section 2 Reporting of Exploration Results (Criteria listed in section 1 will also apply to this section where relevant)

Criteria	JORC Code explanation	Commentary
Mineral Tenement and Land Status	<p><i>Type, name/reference number, location and ownership including agreements or material issues with third parties including joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i></p> <p><i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i></p>	<p>The Mt Alexander Project is comprised of six granted Exploration Licences (E29/638, E29/548, E29/954, E29/962, E29/972 and E29/1041). Tenement E29/638 is held in Joint Venture between St George (75% interest) and Western Areas (25% interest). E29/638 and E29/548 are also subject to a royalty in favour of a third party that is outlined in the ASX Release dated 17 December 2015 (as regards E29/638) and the ASX release dated 18 September 2015 (as regards E29/548).</p> <p>No environmentally sensitive sites have been identified on the tenements. A registered Heritage site known as Willsmore 1 (DAA identification 3087) straddles tenements E29/548 and E29/638. All five tenements are in good standing with no known impediments.</p>
Exploration Done by Other Parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	<p>Exploration on tenements E29/638 and E29/962 has been largely focused on the discovery of komatiite-hosted nickel sulphides within the Mt Alexander Greenstone Belt. Exploration in the northern section of E29/638 (Cathedrals Belt) and also limited exploration on E29/548 has been for mafic/ultramafic intrusion related Ni-Cu-PGE sulphides. No historic exploration has been identified on E29/954 or E29/972.</p> <p>Mafic-Ultramafic intrusion related high grade nickel-copper-PGE sulphides were discovered at the Mt Alexander Project in 2008. Drilling was completed to test co-incident electromagnetic (EM) and magnetic anomalies associated with nickel-PGE enriched gossans in the northern section of current tenement E29/638. The drilling identified high grade nickel-copper mineralisation in granite-hosted and East-West orientated ultramafic units and the discovery was named the Cathedrals Prospect.</p>
Geology	<i>Deposit type, geological setting and style of mineralisation</i>	<p>The Mt Alexander Project is at the northern end of a western bifurcation of the Mt Ida Greenstones. The greenstones are bound to the west by the interpreted Ida Fault, a significant Craton-scale structure that marks the boundary between the Kalgoorlie Terrane (and Eastern Goldfields Superterrane) to the east and the Youanmi Terrane to the west.</p> <p>The Mt Alexander Project is prospective for further high-grade nickel-mineralisation (both komatiite and mafic-ultramafic intrusive hosted) and also precious metal mineralisation (i.e. orogenic gold) that is typified elsewhere in the Yilgarn Craton.</p>
Drill hole information	<p><i>A summary of all information material to the understanding of the exploration results including tabulation of the following information for all Material drill holes:</i></p> <ul style="list-style-type: none"> • Easting and northing of the drill hole collar • Elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar 	Drill hole collar locations are shown in the maps and tables included in the body of the relevant ASX releases.

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> • Dip and azimuth of the hole • Down hole length and interception depth • Hole length 	
Data aggregation methods	<p><i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</i></p> <p><i>Where aggregated intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i></p> <p><i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i></p>	<p>Reported assay intersections are length and density weighted. Significant intersections are determined using both qualitative (i.e. geological logging) and quantitative (i.e. lower cut-off) methods.</p> <p>For massive sulphide intersections, the nominal lower cut-off is 2% for either nickel or copper. For disseminated, blebby and matrix sulphide intersections the nominal lower cut-off for nickel is 0.3%.</p> <p>Any high-grade sulphide intervals internal to broader zones of sulphide mineralisation are reported as included intervals.</p> <p>Any disseminated, matrix, brecciated or stringer sulphides with (usually) >1% nickel or copper on contact with massive sulphide mineralisation are grouped with the massive sulphides for calculating significant intersections.</p> <p>No metal equivalent values are used for reporting exploration results.</p>
Relationship between mineralisation widths and intercept lengths	<i>These relationships are particularly important in the reporting of exploration results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect.</i>	Assay intersections are reported as down hole lengths. Drill holes are planned as perpendicular as possible to intersect the target EM plates and geological targets so downhole lengths are usually interpreted to be near true width.
Diagrams	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plane view of drill hole collar locations and appropriate sectional views.</i>	A prospect location map, cross section and long section are shown in the body of relevant ASX Releases.
Balanced Reporting	<i>Where comprehensive reporting of all Exploration Results is not practical, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	<p>Reports on recent exploration can be found in ASX Releases that are available on our website at www.stgm.com.au:</p> <p>The exploration results reported are representative of the mineralisation style with grades and/or widths reported in a consistent manner.</p>
Other substantive exploration data	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observation; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	All material or meaningful data collected has been reported.
Further Work	<i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large – scale step – out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	<p>A discussion of further exploration work underway is contained in the body of recent ASX Releases.</p> <p>Further exploration will be planned based on ongoing drill results, geophysical surveys and geological assessment of prospectivity.</p>