

21 October 2020

MULTIPLE STRONG EM CONDUCTORS IDENTIFIED IN UNEXPLORED AREA OF MT ALEXANDER NICKEL-COPPER SULPHIDE PROJECT

- Two very strong off-hole electromagnetic (EM) conductors modelled with conductivity of 49,000 and 16,200 Siemens respectively – have been identified by the downhole EM (DHEM) survey in MAD184
- The new EM conductors were detected approximately 475m downhole in MAD184 and represent the deepest conductors ever identified at Mt Alexander
- MAD184 was drilled at the West End Prospect, in an area with no prior drilling and more than 800m north-west of known massive sulphides in the Cathedrals Belt
- The electrical signature of the new conductors is consistent with a massive sulphide source
- All other EM conductors with similar characteristics in the Cathedrals Belt have been confirmed by drilling to be massive sulphides with high grades of nickel, copper, cobalt and PGEs
- Modelling of the DHEM survey data for MAD184 has defined two discrete EM plates for drill testing with the EM anomalism open in all directions and further drilling required to fully test the scale of the potential massive sulphide source
- Drilling of the new EM conductors is scheduled to commence early next week with outstanding potential to make a new discovery of massive sulphide mineralisation
- New EM conductors further confirm the camp-scale potential of the +16km long Cathedrals Belt with four shallow high-grade nickel-copper sulphide deposits already discovered and new high priority targets being established
- DHEM surveys in other recently completed drill holes have also identified additional EM anomalies which are being assessed and prioritised for drill testing

Growth-focused Western Australian nickel company St George Mining Limited (ASX: **SGQ**) ("**St George**" or "**the Company**") is pleased to announce exciting exploration results at its flagship Mt Alexander Project, located in the north-eastern Goldfields.

SIGNIFICANT EM CONDUCTORS IDENTIFIED

The current drill programme at Mt Alexander is focused on deeper drilling to test conductive features identified by a number of geophysical surveys completed by St George across the Cathedrals Belt. The drill targets are located below and down-dip from the shallow high-grade deposits already discovered in the Belt.



DHEM surveys on the completed drill holes are being used to identify discrete EM conductors for follow-up drilling.

MAD184 was completed to a downhole depth of 497.8m to test a broad single component (Z) EM anomaly identified by the surface SQUID MLEM survey carried out earlier this year. The drill hole intersected a 23.2m thick mafic-ultramafic unit from 444.5m downhole. This was highly encouraging because these types of intrusive rocks are known to host massive sulphide deposits in other parts of the Cathedrals Belt.

More significantly, the drill hole intersected 5m of disseminated and blebby nickel-copper sulphides from 462.7m downhole. These disseminated and blebby sulphides can represent the halo around proximal massive sulphide mineralisation and support the potential for the presence of higher-grade mineralisation nearby.

The DHEM survey in MAD184 recorded a very strong off-hole anomalous response to the east and down dip at 475m downhole. The response was seen in the mid to late times with a modelled conductivity of 49,000 Siemens, which is consistent with a massive sulphide source. A second anomaly was detected to the northwest of the drill hole and has a modelled conductivity of 16,200 Siemens.

Importantly, given the large distance of MAD184 from other drill holes, any potential high-grade mineralisation at this location is open in the direction beyond the anomalies.

The modelled plates for these new EM conductors are interpreted to represent the strongest part of the anomalous EM responses and are a reliable targeting tool to test for the presence of massive sulphides. Modelling cannot accurately predict the geometry of any massive sulphide deposit that may be present and is not a definitive measure of the scale of all potential mineralisation.

The new DHEM conductors provide potential to significantly increase the footprint of known high-grade mineralisation in the large mineral system at the Cathedrals Belt.

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

"Our deep drill programme is delivering excellent results with thick intrusive-style rocks and nickel-copper sulphide mineralisation intersected at depths not previously explored.

"The downhole EM surveys have delivered the breakthrough moment with two new exceptional conductors identified from MAD184 that are both interpreted to represent massive nickel-copper sulphides.

"The MAD184 conductors are particularly exciting as they are the deepest conductors ever identified in the Cathedrals Belt and located 800m to the west of previously intersected massive sulphides on the Cathedrals Belt.

"The potential discovery of massive sulphides at these new conductors could be our most important discovery to date as it would confirm the continuity of the high-grade mineralisation at depth and upgrade the western extension of the Cathedrals Belt – which covers the 2.5km long West End Prospect that straddles the major Ida Fault – as a fertile and highly prospective area for further mineralisation.

"The Cathedrals Belt is interpreted to dip to the north-west at about 40 degrees so, from a geological perspective, the MAD184 conductors are in an ideal location for the presence of massive sulphide mineralisation down-dip from the high-grade mineralisation already discovered near surface.

"With a 100% success rate in testing these kinds of conductors in the Cathedrals Belt, we are confident that our next significant discovery of massive nickel-copper sulphides is imminent."



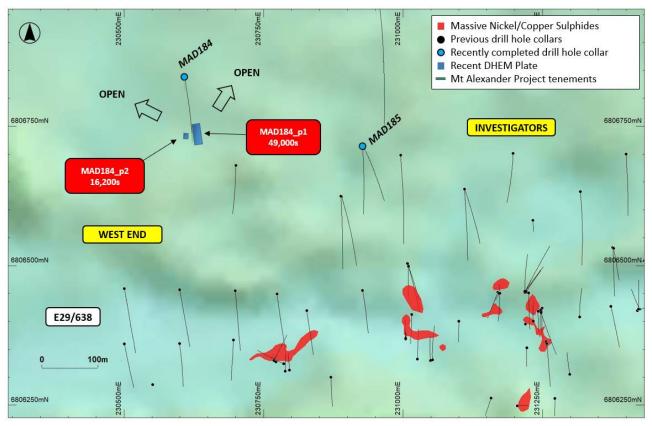


Figure 1 – plan view of the western part of the Cathedrals Belt (against TMI RTP 1VD) showing the new EM conductors at the West End Prospect as well as massive nickel-copper sulphides already discovered.

DRILLING AND DHEM - DELIVERING EXPLORATION SUCCESS

The results in the current drill programme have confirmed an extensive intrusive mineral system at the Cathedrals Belt with strong potential for additional massive sulphide deposits to be present below the shallow high-grade deposits already discovered.

Surface EM surveys completed over the MAD184 area did not detect the new strong DHEM conductors. This was most likely because of the conductive cover that extends west of Investigators and over West End, as well as the depth of these new conductors.

The absence of any strong conductive response in the surface EM surveys, particularly in this area, does not preclude the presence of nickel-copper sulphides at depth.

Drilling and DHEM surveys have now been confirmed as an effective way to explore at depth and will continue to be used across the Cathedrals Belt.

In respect of drill holes completed in the current programme and already reported, the following DHEM surveys have been completed:

MAD180, MAD181, MAD183 and MAD186:

The survey recorded weak off-hole responses in these holes. These responses are interpreted to be reflective of either nearby structures/faults or of sulphides beyond the effective detection limit of the DHEM survey.

The DHEM data is being further assessed in conjunction with other geophysical data and drill data to better consider the potential for follow-up of the anomalous responses.



MAD185:

The hole was blocked at 325m downhole and the survey could not be completed. The data indicated that a strong EM response was approaching at 325m.

MAD185 intersected a 25m thick mafic-ultramafic from 300m downhole including 15m of disseminated and blebby nickel-copper sulphides. This is an encouraging sign for potential massive sulphides around the hole.

Attempts will be made to re-enter the drill hole and provide access for the DHEM probe.

MAD182 and **MAD187**:

No anomalous responses in the DHEM data.

Scope of DHEM Surveys:

The DHEM survey can reliably see 50m to 75m around the hole, depending on ground conditions.

The absence of an anomalous response in a DHEM survey does not preclude the presence of mineralisation around a hole and beyond the detection limit of the DHEM survey.

NEW DRILL HOLES

A further four drill holes were completed since our last exploration update in ASX Release dated 9 September 2020 *More Thick Intercepts of Mineralised Units at Mt Alexander.* The results for these are summarised below.

All the additional drill holes intersected varying thicknesses of intrusive-style rocks, confirming the very extensive target horizon for potential nickel-copper sulphide mineralisation.

DHEM surveys of these new holes have yet to be completed.

MAD188:

MAD188 was drilled at Stricklands to a downhole depth of 600.4m to test a conductive feature modelled from the Magnetotelluric (MT)/Audio-magnetotelluric (AMT) surveys completed earlier this year.

The hole intersected thin intervals (<2m) of mafic-ultramafic rocks at 210m and 418m downhole. The remainder of the hole intersected granitic rocks. No significant sulphide mineralisation was intersected.

MAD189:

MAD189 was drilled at Investigators to a downhole depth of 501.9m to test a conductive feature modelled from the MT/AMT surveys.

The hole intersected thin intervals (<2m) of mafic-ultramafic rocks at 41m, 55m, 58m and 435m downhole. The remainder of the hole intersected granitic rocks. No significant sulphide mineralisation was intersected.

MAD190:

MAD190 was drilled at Investigators to a downhole depth of 237.9m to test a conductive plate identified from the DHEM survey in MAD140.

The hole intersected less than 1m of ultramafic from 213m downhole. The remainder of the hole intersected granitic rocks. No significant sulphide mineralisation was intersected.



MAD191:

MAD191 was drilled at Investigators to a downhole depth of 280m to test the stratigraphy in the underexplored eastern margin of the prospect area.

The hole intersected intrusive rocks (xenodyke/mafic dyke) from 164.3m to 169m downhole. The remainder of the hole intersected granitic rocks. No significant sulphide mineralisation was intersected.

These latest holes are interpreted to have intersected the margin of the intrusive rocks at the target horizon.

DHEM surveys of these new holes will be completed to investigate for potential mineralisation around the holes.

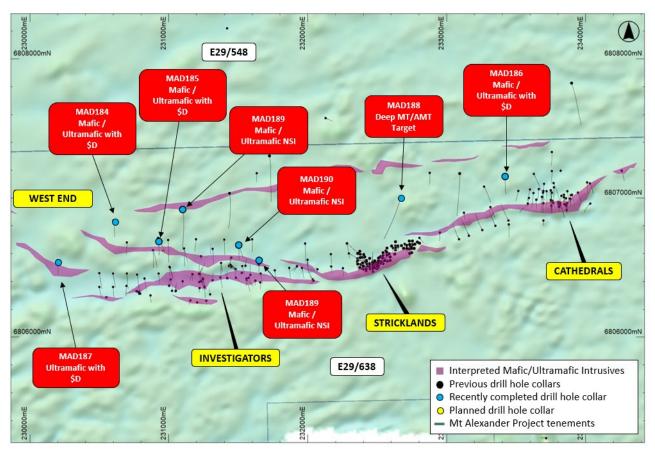


Figure 2 – plan view of the Cathedrals Belt showing areas of completed and planned drilling, overlaying interpreted geology and magnetics (TMI RTP 1VD).

DRILL PROGRAMME

Drilling at Mt Alexander has paused while DHEM surveys are completed. Diamond drilling is scheduled to resume this weekend with one diamond rig due to arrive at site by Friday.

The first hole to be drilled will test the 49,000 Siemens conductor identified from the DHEM survey in MAD184, followed by a hole to test the 16,200 Siemens conductor from MAD184.

Further holes will be planned based on the results from DHEM surveys in the new holes as well as in MAD185.

Table 1 below contains drill hole details for the holes completed in the current campaign to test new targets.



Hole ID	Prospect	East	North	RL	Depth	Azi	Dip
MAD179	Investigators	230928	6806709	418	351.9	180	-70
MAD180	Investigators	231439	6807031	423	850	180	-90
MAD180W1	Investigators	231442.0	6806869.6	-71.6	357.1	180	-70
MAD181	Investigators	231726	6807301	425	794.5	180	-65
MAD182	Cathedrals	233960	6807824	412	700.4	170	-65
MAD183	Fairbridge	233095.0	6807173.3	415	693.5	180	-65
MAD184	West End	230606	6806836	415	497.8	180	-75
MAD185	Investigators	230930	6806710	418	361.2	154	-72
MAD186	Cathedrals	233418	6807161	425	399.6	180	-70
MAD187	West End	230201	6806550	414	253	180	-65
MAD188	Stricklands	232665.1	6807061	430	600.4	196	-65
MAD189	Investigators	230958	6806968	421	501.9	180	-65
MAD190	Investigators	231570	6806620	425	240.7	180	-70
MAD191	Investigators	231718	6806600	427	280	180	-70

Table 1 - Drill hole details for diamond holes completed in the current campaign to test new targets.

About the Mt Alexander Project:

The Mt Alexander Project is located 120km south-southwest 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.

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 Mining Limited (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.

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 is based on information compiled by Mr Dave O'Neill, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr O'Neill is employed by St George Mining Limited to provide technical advice on mineral projects, and he holds performance rights issued by the Company.

Mr O'Neill 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 O'Neill consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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	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.	Drilling programmes are completed by Reverse Circulation (RC) and Diamond Core drilling. Downhole Electro-Magnetics (DHEM) surveys were completed by Vortex Geophysics.
		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.
		$\it RCSampling: All samples from the RC drilling are taken as 1m samples for laboratory assay.$
		DHEM Surveying: The surveys were conducted using the DigiAtlantis system and VTX-100 transmitter. The readings were recorded at 5m intervals with 1m infill down hole.
		The surveys used 400 x 400m loops orientated to magnetic north.
		Appropriate QAQC samples (standards, blanks and duplicates) are inserted into the sequences as per industry best practice. Samples are collected using cone or riffle splitter. Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	RC Sampling: Samples are taken on a one metre basis and collected using uniquely numbered calico bags. The remaining material for that metre is collected and stored in a green plastic bag marked with that specific metre interval. The cyclone is cleaned with compressed air after each plastic and calico sample bag is removed. If wet sample or clays are encountered then the cyclone is opened and cleaned manually and with the aid of a compressed air gun. A blank sample is inserted at the beginning of each hole, and a duplicate sample is taken every 50th sample. A certified sample standard is also added according to geology, but at no more than 1:50 samples.
		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.
		Diamond Core Sampling: For diamond core samples, certified sample standards were added as every 25 th 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.

Criteria	JORC Code explanation	Commentary
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg	RC Sampling: A 1m composite sample is taken from the bulk sample of RC chips that may weigh in excess of 40 kg. Each sample collected for assay typically weighs 2-3kg, and once dried, is prepared for the laboratory as per the Diamond samples below.
	'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.	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.
		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.
		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.
		LOI (Loss on Ignition) will be completed on selected samples to determine the percentage of volatiles released during heating of samples to 1000°C .
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diametre, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	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 core. The hole was then continued using HQ diamond core until the drillers determined that a change to NQ2 coring was required.
		The core is oriented and marked by the drillers. The core is oriented using ACT Mk II electric core orientation.
		RC Sampling: The RC drilling uses a 140 mm diameter face hammer tool. High capacity air compressors on the drill rig are used to ensure a continuously sealed and high-pressure system during drilling to maximise the recovery of the drill cuttings, and to ensure chips remain dry to the maximum extent possible.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Diamond Core Sampling: 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.
		RC Sampling: RC samples are visually checked for recovery, moisture and contamination. Geological logging is completed at site with representative RC chips stored in chip trays.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	RC Sampling: Samples are collected using cone or riffle splitter. Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays.
		Diamond Core Sampling: 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.

Criteria	JORC Code explanation	Commentary
	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.	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	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.	Geological logging is carried out on all drill holes with lithology, alteration, mineralisation, structure and veining recorded.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	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.
	The total length and percentage of the relevant intersections logged.	All drill holes are geologically logged in full and detailed lithogeochemical 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	If core, whether cut or sawn and whether quarter, half or all core taken.	Diamond Core Sampling: 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.
		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.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	RC samples are collected in dry form. Samples are collected using cone or riffle splitter when available. Geological logging of RC chips is completed at site with representative chips being stored in drill chip trays.
	For all sample types, the nature, quality and appropriateness of the sample preparation	RC Sampling: Sample preparation for RC chips follows a standard protocol.
	technique.	The entire sample is pulverised to 75 μ m 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 75 μ m is used.
	Quality control procedures adopted for all sub- sampling stages to maximise representivity of samples.	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.
		RC Sampling: Field QC procedures maximise representivity of RC samples and involve the use of certified reference material as assay standards, along with blanks, duplicates and barren washes.
		Diamond Core Sampling: 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.

Criteria	JORC Code explanation	Commentary
	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.	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.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	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	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	For RC sampling, a 30 gram sample will be fire assayed for gold, platinum and palladium. The detection range for gold is $1-2000$ ppbAu, and $0.5-2000$ ppb for platinum and palladium. This is believed to be an appropriate detection level for the levels of these elements within this specific mineral environment. However, should Au, Pt or Pd levels reported exceed these levels; an alternative assay method will be selected.
		All other metals will be analysed using an acid digest and an ICP finish. The sample is digested with nitric, hydrochloric, hydrofluoric and perchloric acids to effect as near to total solubility of the sample as possible. The solution containing samples of interest, including those that need further review, will then be presented to an ICP-OES for the further quantification of the selected elements.
		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.
	For geophysical tools, spectrometres, handheld XRF instruments, etc, the parametres used in determining the analysis including instrument make and model, reading times, calibrations	DHEM: The surveys were conducted using the DigiAtlantis system and VTX-100 transmitter. The readings were recorded at 5m intervals with 1m infill down hole. The transmitter produced 96amps and recorded at a frequency of 0.5Hz.
	factors applied and their derivation, etc.	XRF: A handheld XRF instrument (Olympus Innov-X Spectrum Analyser) is used to systematically analyse the drill core and RC sample piles onsite. One reading is taken per metre, however for any core samples with matrix or massive sulphide mineralisation then multiple samples are taken at set intervals per metre. The instruments are serviced and calibrated at least once a year. Field calibration of the XRF instrument using standards is periodically performed (usually daily).
		The handheld XRF results are only used for preliminary assessment and reporting of element compositions, prior to the receipt of assay results from the certified laboratory.
	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	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.
	have been established.	Sample preparation checks for fineness are performed by the laboratory to ensure the grind size of 90% passing 75 μ m is being attained.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Significant intersections are verified by the Company's technical staff.
	The use of twinned holes.	No twinned holes have been planned for the current drill programme.

Criteria	JORC Code explanation	Commentary
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	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.
	Discuss any adjustment to assay data.	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	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations	Drill holes and MT/AMT stations have been located and pegged using a DGPS system with an expected accuracy of +/-5m for easting, northing and elevation.
	used in Mineral Resource estimation.	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.
	Specification of the grid system used.	The grid system used is GDA94, MGA Zone 51.
	Quality and adequacy of topographic control.	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	Data spacing for reporting of Exploration Results.	The spacing and distribution of holes is not relevant to the drilling programs which are at the exploration stage rather than definition drilling.
	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.	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.
	Whether sample compositing has been applied.	No compositing has been applied to the exploration results.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	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.
	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.	No orientation based sampling bias has been identified in the data to date.
Sample security	The measures taken to ensure sample security.	Chain of Custody is managed by the Company until samples pass to a duly 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, they are kept in locked premises. Transport logs have been set up to track the progress of samples.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	Sampling techniques and procedures are regularly reviewed internally, as is data. To date, no external audits have been completed on the drilling programme.

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	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.	The Mt Alexander Project is comprised of five granted Exploration Licences (E29/638, E29/548, E29/954, E29/962 and E29/972). 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).
	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.	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.
Exploration Done by Other Parties	Acknowledgment and appraisal of exploration by other parties.	Exploration on tenements E29/638 and E29/962 has been largely for komatiite-hosted nickel sulphides in 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.
		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 ultramafic units and the discovery was named the Cathedrals Prospect.
Geology	Deposit type, geological setting and style of mineralisation	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 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.
		The Mt Alexander Project is prospective for further high-grade komatiite-hosted nickel-copper-PGE mineralisation (both greenstone and granite hosted) and also precious metal mineralisation (i.e. orogenic gold) that is typified elsewhere in the Yilgarn Craton.
Drill hole information	A summary of all information material to the understanding of the exploration results including tabulation of the following information for all Material drill holes: • Easting and northing of the drill hole collar • Elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar • Dip and azimuth of the hole • Down hole length and interception depth • Hole length	Drill hole collar locations are shown in the maps and tables included in the body of the relevant ASX releases.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high arades) and cut off grades are usually Material.	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.
	grades) and cut-off grades are usually Material and should be stated.	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%.

Criteria	JORC Code explanation	Commentary
	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.	Any high-grade sulphide intervals internal to broader zones of sulphide mineralisation are reported as included intervals.
		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 and the massive sulphide mineralisation is reported as an including intersection.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values are used for reporting exploration results.
Relationship between mineralisation widths and intercept lengths	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.	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.
iagrams	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.	A prospect location map, cross section and long section are shown in the body of relevant ASX Releases.
Balanced Reporting	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.	Reports on recent exploration can be found in ASX Releases that are available on our website at www.stgm.com.au : The exploration results reported are representative of the mineralisation style with grades and/or widths reported in a consistent manner.
Other substantive exploration data	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.	All material or meaningful data collected has been reported.
Further Work	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.	A discussion of further exploration work underway is contained in the body of recent ASX Releases. Further exploration will be planned based on ongoing drill results, geophysical surveys and geological assessment of prospectivity.