

20 October 2021

QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 30 SEPTEMBER 2021

MT ALEXANDER PROJECT

FIELD OF ELECTROMAGNETIC (EM) CONDUCTORS:

- Multiple off-hole EM conductors identified at the Investigators and West End Prospects, supporting the potential for a significant volume of mineralisation in this area
- Latest EM conductor identified is from the downhole EM (DHEM) survey in MAD202 and modelled with exceptionally strong conductivity of 81,000 Siemens
- Diamond drilling of EM targets now underway 24/7

ASSAYS CONFIRM 125M DOWN-PLUNGE EXTENT OF MAD199 DISCOVERY:

- Assays for MAD201, the first step-out hole from MAD199, confirm massive nickel-copper sulphides intersected 125m below the MAD199 discovery
- Multiple strong off-hole EM conductors identified from MAD199 and MAD201, indicating the presence of more sulphide mineralisation around these holes

MAIDEN DRILLING OF REGIONAL TARGETS:

- Drilling completed at the Carnac and Jailbreak Prospects – both owned 100% by St George
- Very encouraging results, with geology encountered supporting prospectivity for nickel-copper sulphide mineralisation

SEISMIC SURVEY COMPLETED:

- First-ever seismic survey at the Cathedrals Belt completed over Investigators and West End with results pending
- Survey will map the orientation of the intrusive-host structure at depth, assisting with drill hole design for deeper targets

PATERSON PROJECT

- Successful geochemical drill programme with elevated levels of pathfinder elements for base metals and gold intersected in basement rocks at St George's 100% owned tenement E45/5226
- Ground gravity survey completed over St George's second 100% owned tenement – E45/5422 – as well as infill areas of E45/5226, with results pending
- Airborne electromagnetic (VTEM) survey over the key stratigraphy within E45/5226 scheduled for October
- Diamond drilling planned to follow up high-priority areas of interest

CORPORATE – NEW LOOK TECHNICAL TEAM

- **Dave Mahon, experienced specialist nickel sulphide geologist who has supervised exploration programmes at our Mt Alexander and Paterson Projects, promoted to Exploration Manager and leader of St George’s technical team**
- **Two new project geologists employed full-time to support continuous exploration at the Company’s projects**
- **Charles Wilkinson, industry leading nickel specialist and former General Manager - Exploration at Western Areas, continues as St George’s Technical Consultant**

St George Mining Limited (ASX: SGQ) (“St George” or “the Company”) is pleased to present its Quarterly Activities Report for the quarterly period ended 30 September 2021.

MT ALEXANDER PROJECT

Field of EM Conductors:

The concurrent use of drilling and DHEM surveys has identified multiple off-hole EM conductors in the Investigators and West End areas. These conductors are interpreted as excellent targets for massive sulphide mineralisation.

The most recent conductor identified was from the DHEM survey in MAD202. The EM conductor is modelled with conductivity of 81,000 Siemens and recorded a time constant of 100 milliseconds – a combination typical of massive sulphides.

The new EM conductor is coincident with a trend of prominent gravity highs that are interpreted to represent dense rocks such as massive sulphides, further confirming the conductor as a compelling target for mineralisation.

Several other EM conductors have been identified at Investigators and West End by the DHEM surveys in the following drill holes:

- MAD195 – three off-hole EM conductors
- MAD196 – three off-hole EM conductors, the strongest modelled with conductivity of 69,926 Siemens
- MAD199 – three on-hole EM conductors
- MAD200 – three off-hole EM conductors, the largest modelled with a strike length of 250m
- MAD201 – three off-hole EM conductors, the strongest modelled with conductivity of 120,400 Siemens.

The large number of significant mineralised intercepts and downhole EM conductors at Investigators and West End demonstrates a very large and fertile mineral system and further supports the potential for a significant volume of nickel-copper sulphides in this area.

For further details of the above-mentioned EM conductors, see our ASX Release 18 August 2021 *Field of EM Conductors at Mt Alexander* and ASX Release dated 6 July 2021 *New EM Conductors at Mt Alexander*.

Assays Confirm 125m Down-Plunge Extent from MAD199 Discovery:

Assays were received during the quarter for MAD201, the first step-out hole from MAD199 that intersected more than 11m of nickel-copper sulphides from 333.5m downhole.

MAD201 tested below the MAD199 discovery and successfully intersected a thick intrusive unit and 2.4m of nickel-copper sulphides, as detailed in Table 1.

Hole ID	From	To	Interval	Ni (%)	Cu (%)	PGEs (g/t)
MAD201	434.6	437	2.4	1.66	0.55	0.52
incl.	436.74	437	0.26	6.18	1.2	0.79

Table 1 – laboratory assays for MAD201.

The high-grade intersection in MAD201 confirms a 125m plunge-extent for the mineralisation in MAD199 – the deepest occurrence of massive nickel-copper sulphides drilled in the Cathedrals Belt to date.

Multiple EM conductors were identified from the DHEM surveys in MAD199 and MAD201, indicating strong potential for further high-grade mineralisation to be present around the drill holes.

A diamond drill programme commenced at Mt Alexander on 14 October 2021 and will test EM targets at Investigators and West End, including further step-outs from MAD199.

For further details on the current drill programme, see our ASX Release dated 14 October 2021 *Diamond Drilling Underway at Mt Alexander*.

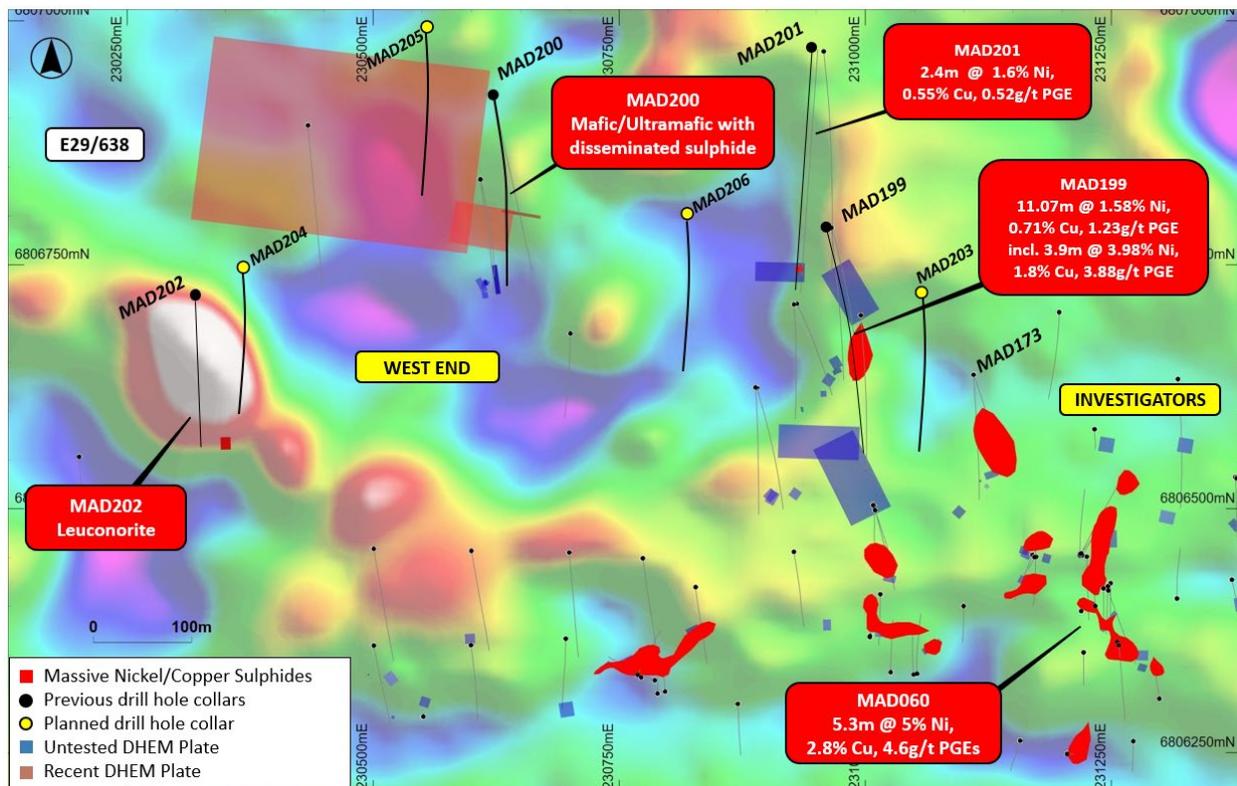


Figure 1 – plan view map of West End and Investigators (against imaged gravity data) showing new DHEM conductors, planned drill holes and prior drilling. Gravity highs are shown by warmer colours (white, red and yellow). High-density massive sulphides and their host rocks will typically present as gravity highs. Less-dense material or cover are represented by cooler colours (blues and purples).

Maiden Drilling of Regional Targets:

A reverse circulation (RC) drill programme was completed during the quarter at a number of regional targets within the Mt Alexander tenement package. The multiple new exploration targets established across the project tenure – in addition to the high-grade discoveries already made at the Cathedrals Belt – support the potential for Mt Alexander to develop into a nickel camp with multiple high-grade nickel-copper sulphide deposits.

Carnac Prospect: Seven drill holes were completed at the Carnac Prospect – located on E29/1041 (100% St George). The drill holes were designed to test a linear magnetic trend that extends east-northeast across the Carnac Prospect for more than 8km.

Drilling successfully confirmed the presence of mafic-ultramafic intrusive-style rocks up to 85m thick that have the same geochemical signature as the rocks seen at the east-northeast trending Cathedrals Belt. This finding supports the potential of Carnac to also host high-grade nickel-copper sulphides similar to those on the Cathedrals Belt.

A geochemical soil survey is being completed over the remainder of the east-northeast magnetic trend at Carnac, with further drilling to be prioritised once survey results are assessed.

Jailbreak Prospect: Four drill holes were completed at the Jailbreak Prospect – located on E29/962 (100% St George).

Jailbreak encompasses part of a north-south oriented ultramafic belt that lies parallel and to the east of the main north-south Mt Alexander ultramafic belt, which is known to host komatiitic ultramafics and associated nickel sulphides.

All drill holes intersected multiple thick ultramafic units – up to 270m thick – within the targeted sequence.

The drill holes did not intersect the basal contact of the ultramafic channel, which is where any potential nickel sulphides are most likely to be located. DHEM surveys will be completed in the drill holes to search for any conductive bodies around the holes.

Further drilling will be planned for Jailbreak following a review of DHEM survey data, including deeper drilling to target the prospective basal part of the ultramafic stratigraphy that has yet to be tested.

For further information on the drilling at Carnac and Jailbreak, see our ASX Release dated 13 September 2021 *Drilling of New Targets at Mt Alexander*.

Seismic Survey Completed:

The first ever seismic survey at the Cathedrals Belt was carried out during the quarter. Three north-south orientated 2D seismic lines were completed at the West End and Investigators Prospects.

The intrusive-host structure at the Cathedrals Belt is interpreted to dip to the north-northwest at 40 degrees. The seismic survey will confirm if the structure continues at depth with this orientation or takes a different direction.

Any major change in trajectory would provide a potential trap site for sulphide accumulations and thus a high-priority drill target.

Results from the survey are pending, with the seismic data currently being processed and interpreted by consultant geophysicists.

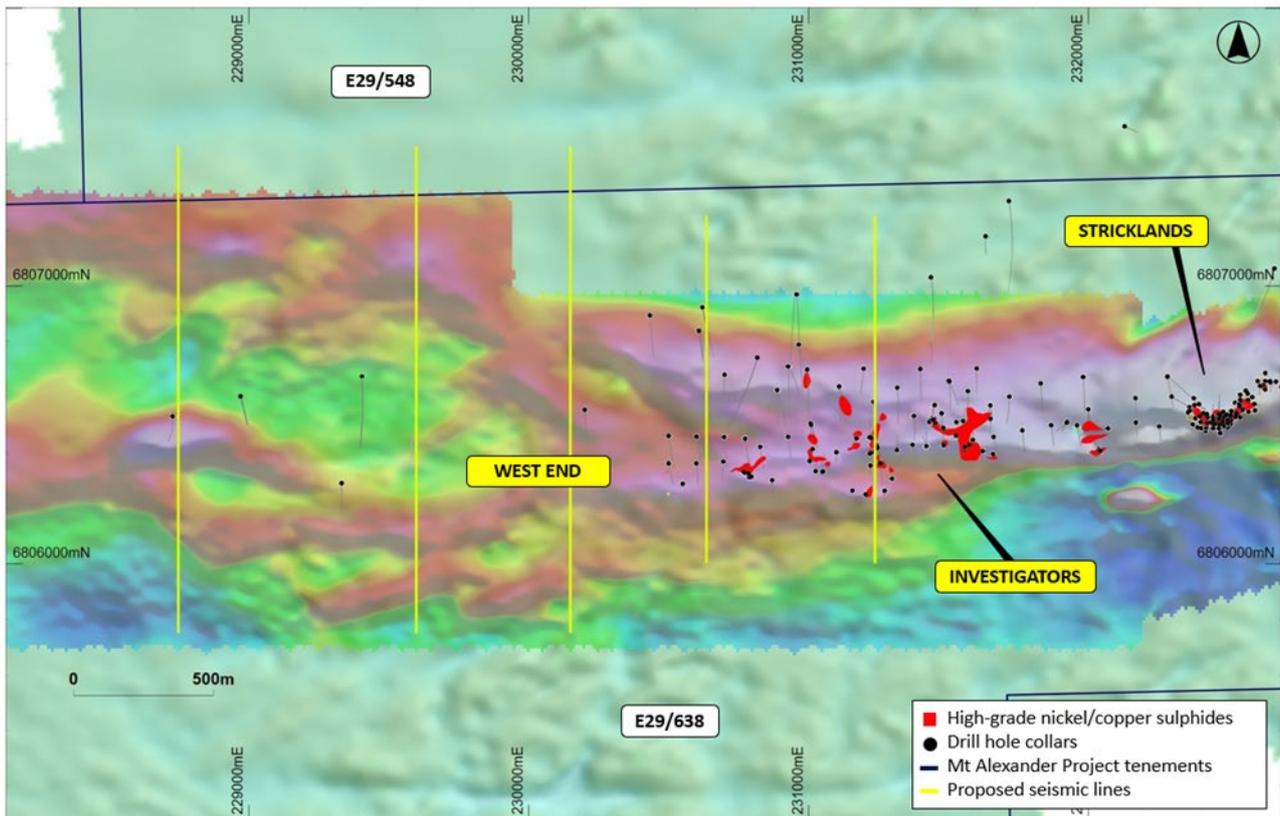


Figure 2 – map (against magnetic RTP 1VD and MMR data) showing the area for the seismic survey (yellow lines) as well as areas of known nickel-copper sulphides. The completed lines are the three most western lines. The other two lines shown will be completed at a later time, subject to a review of the survey results.

Starter mine proposal:

Infill drilling was carried out during the quarter at the Cathedrals Prospect with 33 RC drill holes completed. These holes were designed to test the continuity of the known high-grade nickel-copper sulphides that comprise the shallow deposit at the Cathedrals Prospect. Assay results are pending.

Further resource definition drilling may be planned for the Cathedrals Prospect after a review of the results from the completed RC drilling.

The metallurgical test work on the Stricklands ore is continuing in Canada. A key aspect in the assessment of flotation performance for the ore was a comparison of a sequential flowsheet (separate copper, nickel flotation) and a bulk flowsheet (bulk copper/nickel followed by a separation stage).

Although the ore was amenable to processing under both sequential and bulk flowsheets, extensive test work has indicated that a sequential flowsheet achieves better recoveries. Accordingly, final metallurgical test work is being completed on this basis.

Further test work results are now expected later in Q4 2021. There have been significant delays in this test work because of ongoing COVID-19 restrictions in Canada.

PATERSON PROJECT

Maiden drilling intersects prospective lithology:

Our maiden drill programme at the Paterson Project commenced in early June with 10,000m of planned air core (AC) and RC drilling. The programme comprised a number of wide-spaced drill traverses designed to test the lithology and depth of cover across a 35km strike of prospective stratigraphy at St George's E45/5226. In total, 35 holes were completed by AC/RC drilling for 6,264m drilled.

Drilling in the southern part of the tenement intersected basement rocks and confirmed the depth of cover as less than 180m, which is relatively shallow for the region and highly explorable.

The cover sequence in the northern area of E45/5226 has a higher clay content and higher water table than elsewhere in the tenement. This area is more suitable to diamond drilling than AC/RC drilling and a number of planned holes in the northern area are now scheduled to be drilled with diamond core.

Encouragingly, multiple drill holes intersected prospective basement rocks including chalcopryite bearing, intensely altered and gossanous metasediments. St George believes these rocks are indicative of potential base metal and gold mineralisation in the project area.

Follow-up diamond drilling was expected to occur in October 2021 but the anticipated availability of a drill rig did not eventuate. An alternative drill rig is being sought.

For further details of the drilling at the Paterson Project, see our ASX Release dated 13 August 2021 *Highly Successful Drilling at Paterson Project*.

Gravity survey:

A gravity survey was completed during the quarter at St George's second tenement at the Paterson – E45/5422. The survey was completed on 400m spacing with 1,642 stations.

A further small gravity survey was completed at E45/5226 to infill an area not surveyed in the 2020 gravity survey for this tenement.

The 2020 survey successfully identified a number of structural features that are interpreted as potential controls on mineralisation. Results of the 2021 gravity survey are pending.

Airborne EM survey:

Following the success of the maiden drilling programme in identifying prospective host stratigraphy and confirming the depth of basement, an airborne EM survey was planned for E45/5226. Initially proposed for the September quarter, unfavourable weather conditions in the Pilbara at that time has meant the survey is now scheduled for mid-October.

The EM survey is designed to identify conductive material in the basement rocks that may represent sulphide mineralisation.

The results of the airborne EM survey will be reviewed in conjunction with other data sets, including the drill results and other geophysical surveys (namely the airborne magnetic and gravity surveys completed in 2020), to select targets for drill testing.

NEW LOOK TECHNICAL TEAM

St George's senior exploration geologist Dave Mahon has been promoted to the position of Exploration Manager with executive leadership of the Company's technical team. Mahon takes over from Dave O'Neill, who has resigned to accept a leadership position with a new mining company start-up.

Mahon joined St George in December 2018 and since then has supervised all exploration programmes at Mt Alexander and our Paterson Project. Prior to joining St George, Mahon gained specialist nickel sulphide expertise working with Western Areas Limited (ASX: WSA) as a mine geologist and project exploration geologist, including at the Forrestania nickel operations and across several regional exploration projects. Mahon is a graduate of Curtin University with a Bachelor of Science (Honours) in Applied Geology and a Bachelor of Commerce.

In addition to Mahon's promotion, St George has expanded its technical team with the employment of two full-time exploration geologists to support and maintain the Company's continuous exploration at the highly exciting Mt Alexander, Paterson and Broadview Projects.

Charles Wilkinson continues as Technical Consultant to St George. Wilkinson has more than 35 years' experience as a geologist and held senior exploration and operational leadership positions including Manager - Nickel Exploration Australia for WMC and General Manager - Exploration at Western Areas.

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

"Dave Mahon has greatly impressed us since joining St George almost three years ago with his ability to deliver strong results and success from exploration at Mt Alexander and, more recently, at our Paterson Project. He has the right mix of exploration skills and experience to now lead St George's technical team.

"It is a credit to Dave O'Neill that we have been able to build up our internal capabilities and experience to enable Dave Mahon to step up to become Exploration Manager.

"Dave O'Neill has made a significant contribution to St George's success over the past several years and leaves with our thanks and best wishes as he embarks on the next stage of his career journey. He remains available to us on a consultancy basis so that we can retain access to his knowledge and experience.

"Dave Mahon and his new-look technical team, with the continued support of Charles Wilkinson, have been charged with extending the run of success we have delivered at Mt Alexander, which has made this one of Australia's most exciting high-grade nickel-copper sulphide projects, as well as delivering value for shareholders from our emerging, highly prospective tenement positions at the Paterson and Broadview Projects."

COVID -19:

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

Border restrictions and snap lockdowns 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.

Restrictions on international travel as well as lockdowns in parts of Canada have impacted the timing for completion of metallurgical test work underway in Canada. St George is working closely with its service provider to progress the test work with minimal delays.

APPENDIX 5B:

An Appendix 5B – Quarterly Cash Flow Report for the quarter ended 30 September 2021, accompanies this Activities Report.

St George provides the following information in relation to payments to related parties and their associates, as required by section 6.1 of the Appendix 5B. During the quarter ended 30 September 2021, a total of \$152,000 was paid to the Directors of the Company as remuneration.

TENEMENT INFORMATION:

Details of the Company's tenement holdings are listed below. There were no changes to the tenement holdings during the quarter other than as mentioned below.

Mt Alexander Project

St George has 100% ownership of six granted Exploration Licences E29/548, E29/962, E29/954, E29/972, E29/1041 and E29/1093.

Exploration Licence E29/638 is held in joint venture between St George (75%) and Western Areas (25%).

Paterson Project

St George has 100% ownership of two Exploration Licences.

Broadview Project

St George has 100% ownership of two Exploration Licences.

East Laverton Project

St George has 100% ownership of four granted Exploration Licences at the East Laverton Project. Four Exploration Licences were surrendered during the quarter.

Regional Tenements

St George has 100% ownership of the following regional tenements:

- E69/3772 at Gary Highway
- E70/5626 at Boddington East
- E70/5521 and E70/5522 at Ajana, Northampton (granted during the quarter)
- E37/1382 at Stuart Meadows (granted during the quarter)

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.

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

- 23 February 2021 *Drilling Update for Mt Alexander*
- 8 March 2021 *High-Impact Drilling at Mt Alexander*
- 7 April 2021 *Update - Mt Alexander Nickel-Copper Sulphide Project*
- 14 April 2021 *New Discovery of Nickel-Copper Sulphides at Mt Alexander*
- 27 April 2021 *Nickel-Copper Sulphide Potential Grows at Mt Alexander*
- 27 May 2021 *Nickel-Copper Sulphides Intersected Down-Plunge*
- 8 June 2021 *Maiden Drilling Begins at Paterson*
- 22 June 2021 *Assays Confirm High-Grade Discovery at Mt Alexander*
- 6 July 2021 *New EM Conductors at Mt Alexander*
- 8 July 2021 *Drilling Intersects Prospective Lithology at Paterson*
- 16 August 2021 *Drilling Underway at Mt Alexander*
- 18 August 2021 *Field of EM Conductors at Mt Alexander*
- 13 September 2021 *Drilling of New Targets at Mt Alexander*
- 14 October 2021 *Diamond Drilling Underway at Mt Alexander*

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.

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

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TENEMENT INFORMATION AS REQUIRED BY LISTING RULE 5.3.3

Other than as detailed in the body of the Quarterly Activities Report and in the table below, no tenements, in part or whole, were relinquished, surrendered or otherwise divested during the quarterly period ended 30 September 2021.

MT ALEXANDER:

Tenement ID	Registered Holder	Location	Ownership (%)	Change in Quarter
E29/638	Blue Thunder Resources Pty Ltd	Mt Alexander	75	N/A
E29/548	Blue Thunder Resources Pty Ltd	Mt Alexander	100	N/A
E29/954	Blue Thunder Resources Pty Ltd	Mt Alexander	100	N/A
E29/962	Blue Thunder Resources Pty Ltd	Mt Alexander	100	N/A
E29/972	Blue Thunder Resources Pty Ltd	Mt Alexander	100	N/A
E29/1041	Blue Thunder Resources Pty Ltd	Mt Alexander	100	N/A
E29/1093	Blue Thunder Resources Pty Ltd	Mt Alexander	100	N/A

PATERSON:

Tenement ID	Registered Holder	Location	Ownership (%)	Change in Quarter
E45/5226	St George Mining Limited	Paterson	100	N/A
E45/5422	St George Mining Limited	Paterson	100	N/A

BROADVIEW:

Tenement ID	Registered Holder	Location	Ownership (%)	Change in Quarter
E70/5525	St George Mining Limited	Broadview	100	N/A
E70/5526	St George Mining Limited	Broadview	100	N/A

EAST LAVERTON:

Tenement ID	Registered Holder	Location	Ownership (%)	Change in Quarter
E39/1518	Desert Fox Resources Pty Ltd	East Laverton Property	100	N/A
E39/1572	Desert Fox Resources Pty Ltd	East Laverton Property	100	N/A
E39/1608	Desert Fox Resources Pty Ltd	East Laverton Property	100	N/A
E39/1667	Desert Fox Resources Pty Ltd	East Laverton Property	100	N/A
E39/2027	Desert Fox Resources Pty Ltd	East Laverton Property	100	Surrendered
E39/2028	Desert Fox Resources Pty Ltd	East Laverton Property	100	Surrendered
E39/2029	Desert Fox Resources Pty Ltd	East Laverton Property	100	Surrendered
E39/2030	Desert Fox Resources Pty Ltd	East Laverton Property	100	Surrendered

REGIONAL TENEMENTS:

Tenement ID	Registered Holder	Location	Ownership (%)	Change in Quarter
E69/3772	St George Mining Limited	Gary Highway	100	N/A
E70/5626	St George Mining Limited	Boddington East	100	N/A
E70/5521	St George Mining Limited	Ajana	100	Granted
E70/5522	St George Mining Limited	Ajana	100	Granted
E37/1382	St George Mining Limited	Stuart Meadows	100	Granted