ST GEORGE MINING LIMITED

8 May 2024

COMPELLING NEW LITHIUM TARGETS AT MT ALEXANDER

HIGHLIGHTS

High-Priority Lithium Targets:

- **Multiple new lithium drill targets identified at Mt Alexander – owned 100% by St George except for E29/638 (75% St George; 25% IGO) – following a project wide review of lithium prospectivity completed by ERM (formerly CSA Global)**
- **ERM is a prominent mining consultancy firm with industry leading credentials in hard-rock lithium exploration**
- **The collection and analysis of the Potassium to Rubidium ratio (K:Rb) of feldspar crystals within numerous pegmatite outcrops at Mt Alexander has led to a breakthrough in the understanding of the lithium prospectivity and assisted in the prioritisation of lithium targets**
- **High-priority targets include an area proximal to the contact of the Copperfield Granite with the Mt Alexander greenstone belt – a favourable geological setting for potential lithium mineralisation and an analogue to the significant lithium discovery by Delta Lithium (ASX: DLI) at its nearby Mt Ida Project (14.6Mt @ 1.2% Li_2O)[1] which is located less than 300m from the contact with the Copperfield Granite**
- **Drilling of the new lithium targets is scheduled for H2 2024**

Emerging gold targets coincident with lithium:

- **Additionally, four gold targets coincident with lithium targets were identified from the results of the recent soil surveys further supporting a geological analogue to the Mt Ida Project where high-grade gold is associated with the lithium deposits**
- **Exceptional assays of up to 4 g/t Au in rock chip and 180ppb in soil sampling**

St George Mining Limited (ASX: **SGQ**) ("**St George**" or "**the Company**") is pleased to announce a big step forward in lithium targeting at its Mt Alexander Project in Western Australia.

John Prineas, St George Mining's Executive Chairman said:
"Drilling at Mt Alexander has already confirmed the presence of high-grade lithium mineralisation – up to 1.8% Li_2O – and very thick pegmatites up to 121m thick.

"The latest targeting work with external consultants at ERM has been focused on finding the most likely areas with potential for significant lithium mineralisation.

"The new gold targets are also compelling gold exploration opportunities in their own right – and made more exciting given the known correlation between lithium and gold occurrences at the neighbouring project of Delta Lithium.

"Four areas standout as priority targets across our large landholding. This is an exciting development in lithium targeting at Mt Alexander and we look forward to drilling these targets soon."

[1] See Delta Lithium's ASX Release dated 3 October 2023 *"Mt Ida Lithium Mineral Resource Estimate Update"*

NEW LITHIUM TARGETS FOR DRILLING

Mt Alexander hosts extensive pegmatite outcrop with more than 500 pegmatites mapped at the Project to date. Samples from many of these outcrops have recorded highly anomalous lithium values providing strong encouragement for the potential of significant lithium mineralisation at the Project.[2]

St George engaged external consultants at ERM (formerly CSA Global) to review the lithium potential at Mt Alexander and assist with definition of new drill targets.

Following a detailed review of drilling and other project data, St George and ERM personnel conducted a field assessment which included ground-truthing, lithological and structural mapping and geochemical analysis.

This field work included recording the potassium (K) and rubidium (Rb) values of feldspar within numerous outcropping pegmatites using a portable XRF analyser.

The K:Rb ratio provides a regional vector of fractionation occurring in pegmatite bodies. Generally, the lower the K:Rb ratio within feldspar, the more fractionated and prospective the pegmatite. A K:Rb ratio of less than 30 is considered to reflect potential for spodumene formation. This technique has proven very effective in prioritising specific areas of pegmatites at Mt Alexander for drilling.

323 samples were collected across the project area with K:Rb ratios ranging from more than 80 to less than 10. A clear trend from high K:Rb ratio to low K:Rb ratio can be seen trending from north to south at Mt Alexander, indicating several areas with potential for stronger lithium mineralisation (Figure 2).

Significantly, the K:Rb ratio results also support promising lithium soil anomalies seen in the recent soil survey where a number of priority targets were generated. For further details of the lithium soil anomalies, see our ASX Release dated 14 February 2024 *Large Lithium Soil Anomalies at Mt Alexander.*

The priority K:Rb ratio areas are proximal to the Jailbreak Prospect where drilling intersected grades up to 1.8% Li_2O. Several new target areas identified by ERM and by soil sampling have not been drill tested to date.

COINCIDENT GOLD ANOMALISM

The recent Mt Alexander soil surveys have now also been assessed for all commodities including gold. Results have shown several prominent gold anomalies coincident with lithium anomalies.

This is considered a common occurrence across Western Australia for high-grade lithium mineralisation with numerous lithium discoveries alongside historic gold projects – including Delta Lithium's Mt Ida Project 15km south of Mt Alexander. It appears that lithium and gold occurrences can utilise the same structures and depositional settings.

A maximum value of 180 ppb Au was reported from 1077 total samples taken at Mt Alexander. This is considered highly anomalous when combined with the presence of several pathfinder elements including As, Ag, Bi, Co, Cu, Ni, Te and W. Importantly, several anomalous gold values are coincident with major structures – this is a compelling geological setting for potential gold mineralisation (Figure 1).

These gold anomalies provide additional high order targets and have been prioritised for the next Mt Alexander drill programme.

[2] See ASX Release dated 12 October 2022 'High-Grade Lithium Confirmed at Mt Alexander'

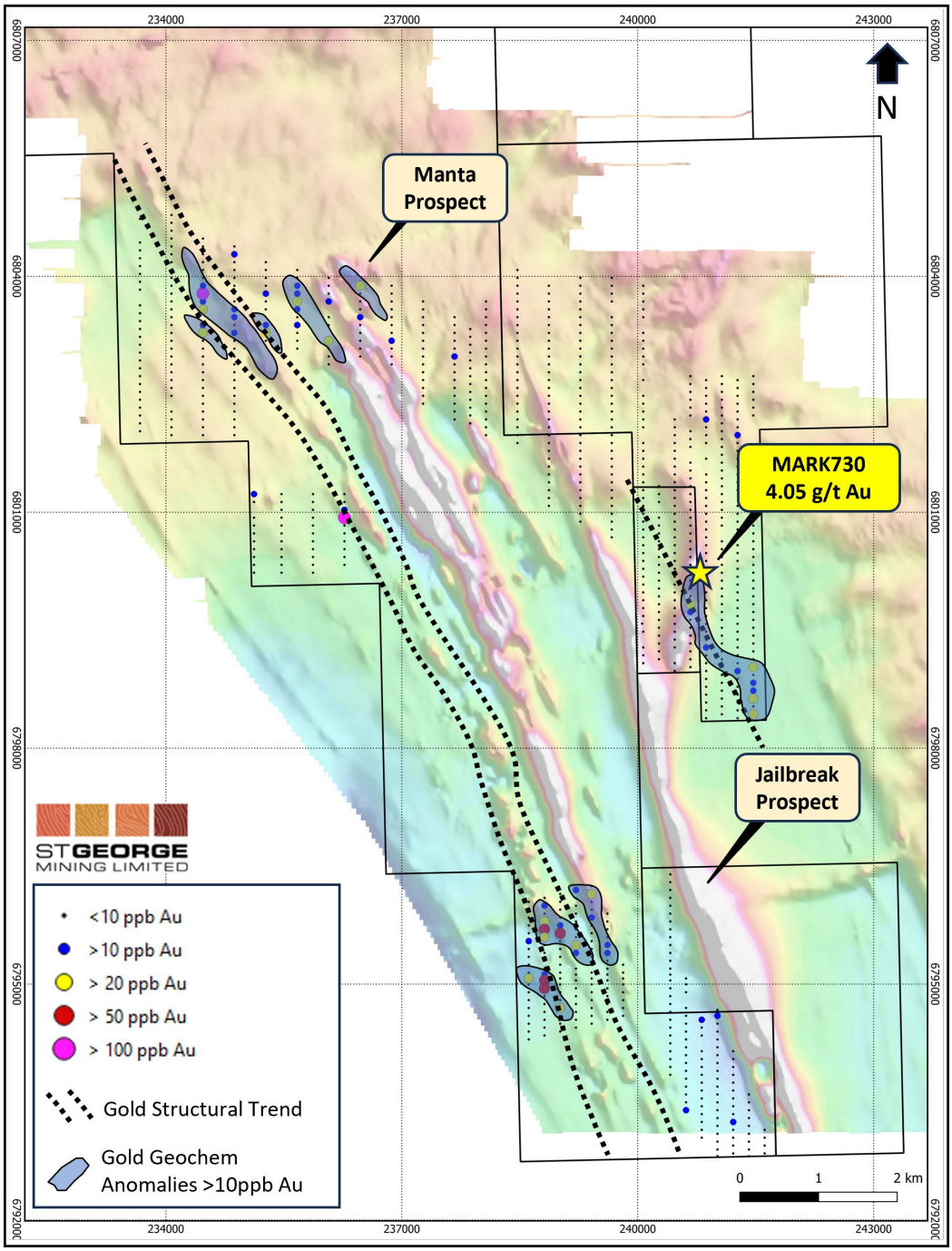

Figure 1 – map of Mt Alexander (overlying magnetic data) showing gold geochemistry anomalies.

HIGH-PRIORITY TARGETS

After incorporating results from the latest targeting studies, the high-priority target areas with lithium in soils, gold in soils and low K:Rb ratio are:

***Priority 1*:** Jailbreak West which recorded consistently very low (<10) K:Rb ratios and a large soil anomaly, indicating strong likelihood for highly fractionated pegmatites with potential for spodumene formation. Within the same structural corridor as Jailbreak with strong coincident gold anomalism. No previous drilling

***Priority 2*:** The area has several large stacked pegmatite outcrops (up to 15m wide) and indications of high fractionation using the K:Rb. Within a structural setting analogous to Mt Ida and a strong coincident gold anomaly. No previous drilling

Priority 3: East of Jailbreak and near the Copperfield greenstone contact – interpreted to be a direct exploration analogue to the Mt Ida discoveries of Delta Lithium. Minimal drilling that is to be extended given new information from latest mapping exercise.

Priority 4: An area south of Jailbreak and bordering the Mt Bevan Project currently being explored by Hancock Prospecting Pty Ltd. Large soil anomaly with minimal outcrop but in the same geological setting to Jailbreak. Potential for lithium mineralisation below the shallow cover. No previous drilling.

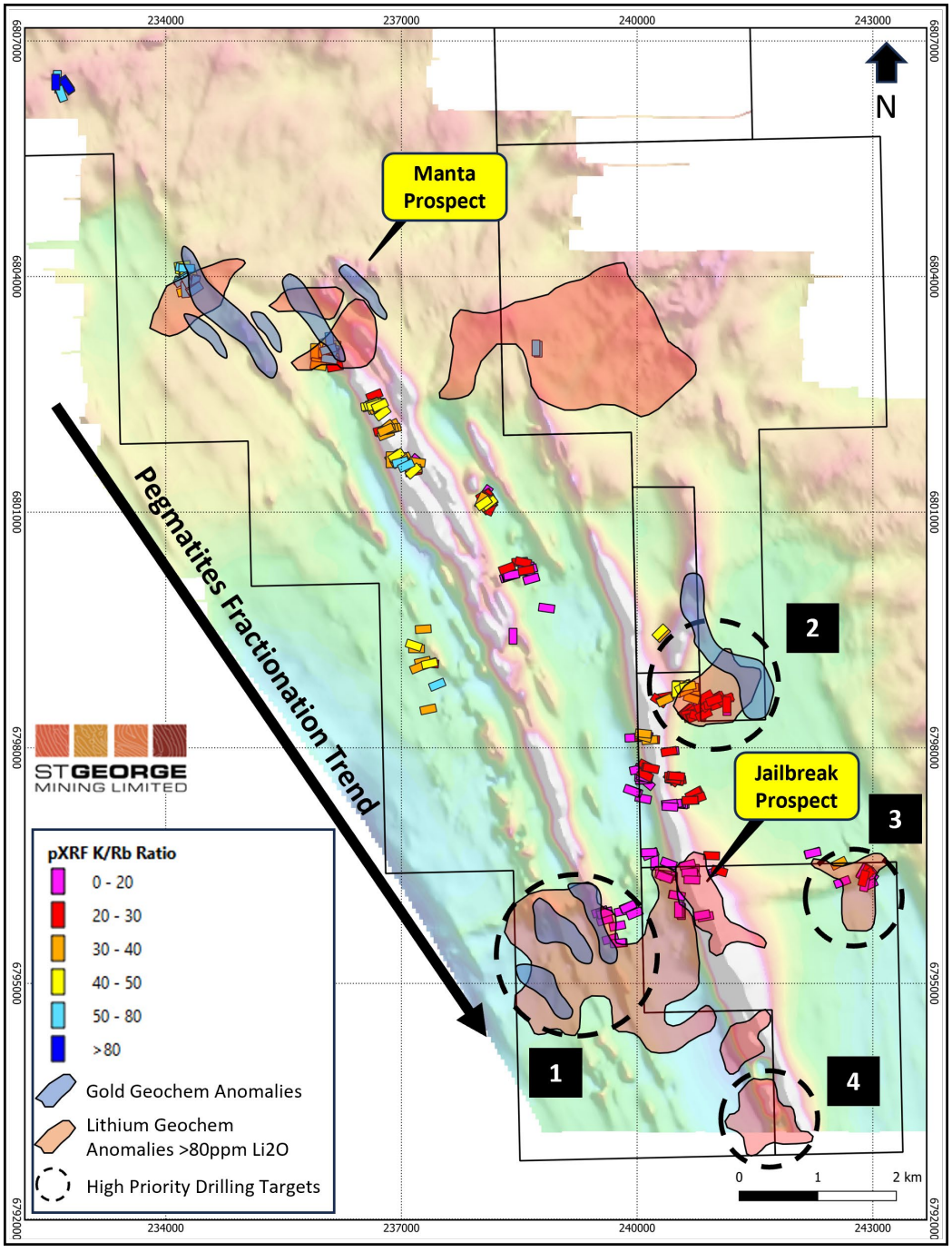

Figure 2– map of Mt Alexander (overlying magnetic data) showing areas with favourable K:Rb ratios.

NOTE:
Visual observations of pegmatites are based on geological logging and visual interpretations and should not be considered a substitute for laboratory analysis which is required to determine the concentration of any elements that may be indicative of possible mineralisation associated with pegmatites that are mapped, sampled from rock chips or intersected by drilling.

XRF values of pegmatite samples are based on spot readings only. The readings are used for preliminary geochemical interpretation only and considered appropriate for this method of exploration targeting. A conclusive determination of the metal content of a pegmatite sample can only be determined following laboratory analysis.

About the Mt Alexander Project:

The Mt Alexander Project is located 120km south-west of the Agnew-Wiluna Belt, in a region which hosts numerous world-class lithium, nickel and gold deposits. The Project comprises eight tenements – seven granted exploration licences, E29/638, E29/548, E29/962, E29/954, E29/972, E29/1041 and E29/1143 and one Prospecting Licence P29/2680 – which are a contiguous package. An additional exploration licence – E29/1093 – is located to the southeast 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.

Table 1:pXRF K/Rb Ratio results

Sample_ID	Easting	Northing	K	Rb	K/Rb Ratio
MACP240213-001	240879	6795799	103134	11015	9
MACP240213-002	240833	6795821	109201	9753	11
MACP240213-002	240833	6795821	111760	11276	10
MACP240214-005	242859	6796448	102341	10431	10
MACP240214-006	242876	6796434	100835	3409	30
MACP240214-007	242862	6796424	112002	4803	23
MACP240214-008	242894	6796419	107429	5143	21
MACP240214-009	242910	6796429	113150	5754	20
MACP240214-010	242921	6796405	110254	6303	17
MACP240214-011	242920	6796392	117610	6225	19
MACP240214-013	242938	6796339	102936	5186	20
MACP240214-014	242932	6796324	103488	4871	21
MACP240214-015	242937	6796301	108245	6086	18
MACP240214-016	242950	6796272	104182	6587	16
MACP240214-017	242948	6796263	112941	7118	16
MACP240214-020	238789	6803075	102011	1581	65
MACP240214-021	238762	6803090	98735	1294	76
MACP240214-022	240588	6798500	95095	5744	17
MACP240214-023	240610	6798501	108558	4306	25
MACP240214-023	240610	6798501	109915	4801	23
MACP240214-024	240637	6798497	100206	5427	18
MACP240214-025	240647	6798494	110048	4272	26
MACP240214-026	240640	6798480	112290	4829	23
MACP240214-027	240658	6798477	102740	4594	22
MACP240214-028	240680	6798443	108412	4233	26
MACP240214-029	240708	6798447	115764	4253	27
MACP240214-030	240719	6798444	111304	4524	25
MACP240214-031	240721	6798449	112026	5237	21

MACP240214-032	240737	6798455	110158	5619	20
MACP240214-035	240796	6798453	102441	4106	25
MACP240214-035	240796	6798453	101784	4471	23
MACP240214-036	240782	6798453	105795	5118	21
MACP240214-037	240828	6798465	107380	4551	24
MACP240214-038	240853	6798482	109646	4476	24
MACP240214-039	240852	6798520	111965	6878	16
MACP240214-040	240848	6798522	111776	6281	18
MACP240214-042	240850	6798548	108904	7366	15
MACP240214-043	240859	6798549	122560	6831	18
MACP240214-044	240868	6798558	112373	6985	16
MACP240214-045	240875	6798588	107607	3691	29
MACP240214-046	240873	6798596	115471	8201	14
MACP240214-047	240893	6798603	104375	4543	23
MACP240214-049	240945	6798601	115458	4135	28
MACP240214-050	241015	6798603	103943	4583	23
MACP240214-052	241013	6798585	102257	6387	16
MACP240214-053	241038	6798583	101094	3811	27
MACP240214-054	241038	6798584	109674	4554	24
MACP240214-055	241133	6798575	108302	5096	21
MACP240214-056	241148	6798570	110546	4737	23
MACP240214-057	241191	6798547	107606	4322	25
MACP240214-058	241194	6798511	110564	5411	20
MACP240214-059	241011	6798561	97548	6453	15
MACP240214-060	240998	6798559	109515	5329	21
MACP240215-001	234254	6804086	120869	2701	45
MACP240215-002	234219	6804090	110266	2454	45
MACP240215-003	234220	6804059	107171	1961	55
MACP240215-004	234226	6804054	96915	1998	49
MACP240215-005	234220	6804023	107045	2293	47
MACP240215-006	234221	6803999	110521	2090	53
MACP240215-007	234215	6803986	101836	1860	55
MACP240215-008	234223	6803983	108848	2779	39
MACP240215-009	234229	6803904	121123	1973	61
MACP240215-011	234233	6803862	96561	1966	49
MACP240215-012	234297	6803838	98951	1744	57
MACP240215-013	236134	6803191	104761	1940	54
MACP240215-014	236132	6803185	92470	2242	41
MACP240215-017	236105	6803123	110295	1716	64
MACP240215-018	236100	6803112	105535	2017	52
MACP240215-019	236089	6802998	108793	1963	55
MACP240215-020	236108	6802978	114100	4297	27
MACP240215-021	236104	6802977	107447	4140	26
MACP240215-022	236110	6802954	106615	3445	31
MACP240215-022B	236110	6802954	109676	3436	32
MACP240215-024	236144	6802897	106288	4893	22

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MACP240215-026	232669	6806524	107386	1486	72
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MACP240215-C01	234264	6804055	98668	1930	51
MACP240215-C02	234271	6804040	107321	2279	47
MACP240215-C03	234303	6803991	104056	2312	45
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MACP240215-C04	234312	6803976	104613	1935	54
MACP240215-C04	234312	6803976	108269	1965	55
MACP240215-C05	234317	6803956	110434	1928	57
MACP240215-C05B	234317	6803956	100767	1953	52
MACP240215-C05B	234317	6803956	113387	2528	45
MACP240215-C06	234323	6803928	108034	1889	57
MACP240215-C07	234325	6803922	105101	1636	64
MACP240215-C08	234336	6803891	109761	1915	57
MACP240215-C09	234343	6803879	117046	2195	53
MACP240215-C10	236066	6803128	77890	1817	43
MACP240215-C12	236056	6803120	108855	1843	59
MACP240215-C14	235978	6803096	115716	2475	47
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MACP240215-C19	235976	6802960	102118	3201	32
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MACP240215-C21	235949	6802913	107163	3081	35
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MACP240215-C24B	232649	6806476	104343	1258	83
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MACP240215-C29	232705	6806367	114527	2061	56
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MACP240217-C32	237194	6801587	121188	3819	32
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MACP240218-004	238392	6800248	107850	5299	20
MACP240218-005	238512	6800316	104552	4731	22
MACP240218-005	238512	6800316	109605	5225	21
MACP240218-006B	238540	6800314	115554	4863	24
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MACP240218-008	238608	6800214	107496	7771	14
MACP240218-009	238597	6800195	108704	6911	16
MACP240218-012	240691	6796413	109969	9127	12
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MACP240218-C06	238639	6800198	109524	9329	12
MACP240218-C06B	238639	6800198	2866	183	16
MACP240218-C07	238855	6799828	90654	5011	18
MACP240218-C09	238471	6799420	106351	5588	19
MACP240218-C10	240677	6796415	114613	10590	11
MACP240218-C11	240664	6796461	108441	11163	10
MACP240218-C12	240699	6796366	99841	9315	11
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MACP240218-C16	240599	6795934	92808	15770	6
MACP240218-C16	240599	6795934	101328	16279	6
MACP240218-C17	240577	6795938	104600	16623	6
MACP240218-C18	240511	6796168	112249	17387	6
MACP240218-C19	240518	6796168	98205	15271	6
MACP240218-C19	240518	6796168	100119	15589	6
MACP240219-001	240713	6797467	103167	4247	24
MACP240219-002	240696	6797458	112444	5979	19
MACP240219-002B	240696	6797458	115085	5209	22
MACP240219-005	240754	6797404	99712	4854	21
MACP240219-007	240682	6797378	103444	6513	16
MACP240219-009	240672	6797380	120406	4789	25
MACP240219-009	240672	6797380	106390	4512	24
MACP240219-013	240560	6797331	117394	7089	17
MACP240219-014	240548	6797330	92752	5673	16
MACP240219-016	240512	6797334	93062	6160	15
MACP240219-017	240489	6797332	99602	4963	20
MACP240219-018	240462	6797333	113993	6290	18
MACP240219-020	240407	6797334	94560	5154	18
MACP240219-021	240422	6797298	115448	7343	16
MACP240324-001	240527	6797532	117863	4811	24
MACP240324-003	240487	6797543	120672	4827	25
MACP240324-004	240476	6797535	126771	6925	18
MACP240324-005	240456	6797543	121209	8412	14
MACP240324-006	240407	6797562	125288	5804	22
MACP240324-007	240449	6797550	105489	4284	25
MACP240324-008	240454	6797590	127376	4506	28
MACP240324-009	240477	6797590	137558	4691	29
MACP240324-010	240499	6797587	127824	6259	20
MACP240324-012	240415	6797902	122637	5502	22
MACP240324-013	240434	6797905	129707	7335	18
MACP240324-014	240184	6798054	137965	6082	23
MACP240324-015	240165	6798048	123007	3996	31
MACP240324-016	240071	6798092	127239	4010	32
MACP240324-017	240073	6798090	130041	4999	26
MACP240324-018	240074	6798131	110732	3672	30
MACP240324-019	239991	6798083	133479	11637	11
MACP240324-020	239948	6798076	133360	10436	13
MACP240324-021	240099	6798093	107575	5918	18
MACP240326-001	239648	6795612	132052	15754	8
MACP240326-005	239777	6795461	128983	18268	7
MACP240326-006	239762	6795463	109793	20375	5
MACP240326-007	239825	6795871	151240	17162	9
MACP240326-008	239901	6795929	145965	17968	8
MACP240326-009	239950	6795938	132926	20547	6
MACP240326-010	239909	6795929	132495	13550	10

MACP240326-011	239740	6795780	132914	16554	8
MACP240327-001	240068	6797303	131709	7634	17
MACP240327-002	239938	6797401	112470	6529	17
MACP240327-003	239945	6797397	123414	7162	17
MACP240327-004	239923	6797405	125967	8864	14
MACP240327-005	239916	6797405	123845	7502	17
MACP240327-006	240093	6797517	120096	10132	12
MACP240327-007	240089	6797540	126686	10592	12
MACP240327-008	240081	6797542	130283	9876	13
MACP240327-009	240068	6797569	122853	12176	10
MACP240327-010	240083	6797575	134408	8446	16
MACP240327-011	240072	6797659	110180	6130	18
MACP240327-012	240055	6797675	126883	10098	13
MACP240327-013	240049	6797671	133961	11158	12
MACP240327-014	240019	6797674	121469	6140	20
MACP240327-015	240096	6797725	126034	5291	24
MACP240327-016	240122	6797698	111785	4786	23
MACP240327-017	240150	6797692	128835	4715	27
MACP240327-018	240167	6797690	123174	4568	27
MACP240328-001	240355	6799410	135354	4323	31
MACP240328-002	240355	6799410	112014	3343	34
MACP240328-003	240330	6799437	133109	3080	43
MACP240328-005	240545	6798742	115052	2873	40
MACP240328-007	240552	6798752	138403	4539	30
MACP240328-009	240603	6798745	105276	4306	24
MACP240328-010	240609	6798728	129808	3255	40
MACP240328-011	240609	6798728	107511	2674	40
MACP240328-012	240609	6798728	121403	3652	33
MACP240328-013	240609	6798728	136921	3564	38
MACP240328-014	240654	6798733	137438	3133	44
MACP240328-015	240671	6798718	128542	3270	39
MACP240328-016	240684	6798718	126406	3602	35
MACP240328-017	240699	6798718	135317	4297	31
MACP240328-018	240723	6798680	120388	3978	30
MACP240328-019	240709	6798675	107035	3465	31
MACP240328-021	240629	6798677	133837	3761	36
MACP240328-023	240377	6798601	124999	5058	25
MACP240328-026	240306	6798643	143513	5861	24
MACP240328-028	240333	6798658	113371	4316	26
MACP240328-029	240331	6798651	139701	3812	37
MACP240330-002	240389	6796314	115710	16094	7
MACP240320-003	240328	6796338	157464	14526	11
MACP240330-005	240351	6796314	120587	12379	10
MACP240330-006	240333	6796306	120783	12365	10
MACP240330-008	240385	6796481	119000	9678	12
MACP240330-009	240273	6796545	119550	12340	10

MACP240330-011	240187	6796600	111066	10454	11
MACP240330-010	240156	6796615	130048	11934	11
MACP240405-002	237351	6798440	107111	3019	35
MACP240405-004	237474	6798756	102221	1516	67
MACP240405-005	237369	6799022	110790	4430	25
MACP240405-006	237369	6799022	113905	3149	36
MACP240405-007	237369	6799022	118552	2633	45
MACP240405-008	237281	6799045	107846	2721	40
MACP240405-009	237231	6798976	121917	3131	39
MACP240405-011	237280	6799460	117905	3017	39
MACP240405-012	237192	6799210	109925	3045	36
MACP240405-013	237142	6799258	113454	2706	42
MACP240406-001	242247	6796610	130164	7022	19
MACP240406-002	242247	6796610	104547	7628	14
MACP240406-003	242628	6796244	109869	5972	18
MACP240406-005	242590	6796483	117678	3438	34
MACP240408-001	241032	6796382	81929	8898	9
MACP240408-002	241032	6796382	3225	159	20
MACP240408-003	240946	6796575	132170	5639	23

Table 2: Soils and Rock Chip sampling assays results >10 ppb Au

Sample_ID	Easting	Northing	Type	Au ppb	As ppm	Ag ppm	Bi ppm	Co ppm	Cu ppm	Ni ppm	Te ppm	W ppm
MARK730	240788	6800229	Rock	4.05	2213	1	118	17	559	145	-	-
MAS03369	240470	6800880	Soil	10	3.8	0.04	0.35	14	40.6	44	0.03	0.3
MAS03372	240470	6801180	Soil	10	8.7	0.13	0.69	29	85.7	89	0.06	0.7
MAS03390	240670	6799730	Soil	18	14.6	0.02	0.86	23.4	54.3	47	0.06	0.4
MAS03391	240670	6799830	Soil	36	10.2	0.06	0.95	12.7	54.7	57	0.05	0.5
MAS03400	240670	6800730	Soil	10	6.2	0.03	0.26	14.5	68.1	71	0.02	0.4
MAS03424A	240870	6799280	Soil	16	6	0.07	0.62	18.8	95.4	132	0.06	0.2
MAS03425A	240870	6799380	Soil	10	5	0.05	1.37	24.9	65	176	0.07	0.9
MAS03460A	241070	6799130	Soil	10	6.6	0.07	0.8	25.7	135	118	0.08	0.3
MAS03497	241270	6798980	Soil	15	11.8	0.08	1.26	25.1	104	110	0.06	0.6
MAS03527	241270	6801980	Soil	12	2.6	0.06	0.27	17.3	52.1	108	0.02	0.3
MAS03529	241470	6798430	Soil	22	6.2	0.07	1.58	29.2	114	102	0.08	0.4
MAS03531	241470	6798630	Soil	21	8.8	0.05	1.3	24.1	75.6	158	0.07	0.6
MAS03532	241470	6798730	Soil	12	7.9	0.07	1.36	40.8	101	174	0.07	0.9
MAS03533	241470	6798830	Soil	12	9.7	0.08	1.66	28.3	166	114	0.08	0.7
MAS03534	241470	6798930	Soil	10	7.5	0.1	0.95	22.9	143	125	0.07	0.5
MAS03535	241470	6799030	Soil	23	3.8	0.06	0.36	12	68.6	52	0.03	0.2
MAS03778	236470	6803480	Soil	13	10.3	0.11	0.94	31.2	85.1	347	0.07	0.9
MAS03782	236470	6803880	Soil	21	31	0.17	1.37	39.8	75.1	546	0.12	1.2
MAS03796	236870	6803180	Soil	14	28.9	0.07	1.34	23.1	86.5	84	0.1	0.3
MAS03856	237670	6802980	Soil	13	16.2	0.08	1.2	44.6	117	177	0.12	0.8
MAS03912	234470	6803580	Soil	23	9.1	0.14	3.56	39.3	337	140	0.21	3.4

Sample_ID	Easting	Northing	Type	Au ppb	As ppm	Ag ppm	Bi ppm	Co ppm	Cu ppm	Ni ppm	Te ppm	W ppm
MAS03913	234470	6803680	Soil	20	6.7	0.1	6	30.4	180	132	0.21	4.4
MAS03914	234470	6803780	Soil	180	17.7	0.09	2.87	29	106	111	0.16	4.5
MAS03915	234470	6803880	Soil	20	7.5	0.14	6.15	33	150	118	0.2	1.4
MAS03934	234870	6803480	Soil	15	20.1	0.35	1.7	36.3	118	185	0.12	2.2
MAS03935	234870	6803580	Soil	12	10.4	0.28	0.81	30.4	150	96	0.16	1.4
MAS03942	234870	6804280	Soil	12	6.2	0.22	1.74	39.8	113	83	0.08	1.6
MAS03957	235270	6803280	Soil	27	9.2	0.11	0.74	28	156	83	0.07	2
MAS03958	235270	6803380	Soil	13	5.1	0.11	0.42	18.5	118	66	0.04	3.1
MAS03962	235270	6803780	Soil	11	6.5	0.15	0.75	25.2	147	68	0.06	0.6
MAS03980	235670	6803380	Soil	15	11.8	0.14	2.77	28.8	271	138	0.14	2.5
MAS03982	235670	6803580	Soil	20	5.9	0.19	1.1	24	530	150	0.14	2.2
MAS03983	235670	6803680	Soil	29	55.1	0.09	1.57	41	147	343	0.09	1.5
MAS03984	235670	6803780	Soil	15	21.8	0.09	0.94	33.6	90.7	344	0.07	0.7
MAS03985	235670	6803880	Soil	15	16	0.12	1.18	35.3	116	293	0.07	0.6
MAS04003	236070	6803180	Soil	33	21.5	0.07	1.93	33.2	176	229	0.11	3.4
MAS04008	236070	6803680	Soil	11	16	0.16	8.89	44.9	216	844	0.14	1.6
MAS04011A	240870	6802180	Soil	15	12.6	0.09	0.82	38.6	118	596	0.1	0.5
MAS04058	241214	6793245	Soil	11	16.4	0.08	0.25	24.7	117	99	0.04	0.2
MAS04064	241014	6794595	Soil	17	10.6	0.11	0.35	26.1	115	73	0.07	0.8
MAS04083	240814	6794545	Soil	16	17.4	0.04	0.41	21.1	96	54	0.07	0.3
MAS04097	240814	6793145	Soil	10	40.2	0.18	0.31	32	151	112	0.09	0.4
MAS04116	240614	6793395	Soil	20	17.2	0.13	0.26	23.7	183	108	0.06	0.5
MAS04156	239614	6795495	Soil	11	92.5	0.35	0.72	77.2	267	431	0.18	0.9
MAS04157	239614	6795395	Soil	11	39.1	0.13	0.74	45.6	177	294	0.13	0.9
MAS04168	239414	6796145	Soil	50	99.1	0.47	1.1	49	283	579	0.2	8.7
MAS04169	239414	6796045	Soil	10	30.4	0.3	0.97	68.2	169	485	0.11	3.3
MAS04171	239414	6795845	Soil	11	59.2	0.27	0.68	32.8	126	175	0.23	3
MAS04186	239214	6796195	Soil	14	15.2	0.2	0.58	23	96.2	78	0.08	1.7
MAS04193	239214	6795495	Soil	22	19	0.25	0.42	27.9	196	91	0.11	0.5
MAS04194	239214	6795395	Soil	12	9.3	0.1	0.63	19.6	107	76	0.08	1.3
MAS04209	239014	6795745	Soil	11	11.7	0.22	1.16	28	176	111	0.16	3
MAS04210	239014	6795645	Soil	62	9.8	0.15	0.96	17	165	77	0.19	2.3
MAS04220	239014	6794695	Soil	46	6.7	0.19	4.08	45.9	242	95	0.18	115
MAS04225	238814	6795995	Soil	12	6.3	0.11	1.71	49.7	198	139	0.15	6
MAS04227	238814	6795795	Soil	30	4.7	0.36	5.52	70.4	328	185	0.58	44.2
MAS04228	238814	6795695	Soil	80	5.5	0.33	5.8	67.1	343	154	0.58	23.8
MAS04229	238814	6795595	Soil	32	5.8	0.44	4.71	93.5	440	143	0.65	61.8
MAS04234	238814	6795120	Soil	20	5.9	0.1	1.17	35.7	140	76	0.1	1.2
MAS04235	238814	6795045	Soil	78	6.8	0.19	10.8	38.4	390	100	0.73	45.2
MAS04236	238814	6794945	Soil	57	5.6	0.27	1.98	35.2	219	99	0.18	15.7
MAS04248	238614	6795545	Soil	13	3.9	0.21	1.07	24.9	375	83	0.12	4.7
MAS04253	238614	6795070	Soil	21	5.1	0.13	1.04	38.1	112	70	0.08	1.4
MAS04405	234470	6803380	Soil	17	3.9	0.1	1.76	24.2	239	93	0.11	0.8
MAS04406	234470	6803280	Soil	26	6.1	0.15	4.08	36.5	277	94	0.17	3.6
MAS04420	234870	6803280	Soil	17	5.6	0.14	2.8	46.9	326	159	0.13	9.5

Sample_ID	Easting	Northing	Type	Au ppb	As ppm	Ag ppm	Bi ppm	Co ppm	Cu ppm	Ni ppm	Te ppm	W ppm
MAS04434	235120	6801230	Soil	19	5	0.27	3.34	30.4	452	100	0.58	4.1
MAS04469	236270	6801030	Soil	15	5.4	0.05	0.81	21.6	96.5	75	0.06	0.4
MAS04470	236270	6800930	Soil	160	6.5	0.06	1.36	20.8	134	55	0.09	0.5

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	*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.*	Rock Chip: a sample is collected from in-situ material at surface adjudged by the geologist on site. The sample between 0.5-2kg is collected in a marked calico bag for submission for assay. K:Rb sample: a feldspar sample is collected from in-situ material at surface pegmatite adjudged by the geologist on site. The Sample is less than 0.2kg. It is marked and placed in a pre-marked calico for analysis. Soils: Each soil sample is taken from a manually excavated pit approximately 300mm deep (depending on the nature of the sampling medium). The loose material at the bottom of the pit is placed through a series of sieves, with the fine fraction of the 180micron sieve placed into pre-numbered paper geochemical sample envelope. The sample envelopes are then sent to a certified laboratory for assay.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Rock Chips: Samples are collected by hand or dislodged by geo pick of in-situ material at surface. Soils: Each sample is sourced from the loose material at the bottom of the sample pit which is considered to be representative of the profile being targeted.
	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 '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.*	Rock Chips: samples are taken under the discretion of geologists with the intention of taking a representative rock chip sample for the parent rock sampled. K:Rb sample: are taken under the discretion of geologists from suitable outcropping pegmatites. Only samples adjudged felspars by the geologist are collected. Soils: A single sample are taken on a predetermined spacing and collected using uniquely numbered calico bags. Each sample collected for assay typically weighs 50g, and once dried, is prepared for the laboratory. Pulverisation further reduces the particle size with 90% of the material passing 75micron. The sample is then assayed using the peroxide fusion method.
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).*	Not applicable as drilling results are not reported.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	Not applicable as drilling results are not reported.

Criteria	JORC Code explanation	Commentary
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	
	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 soil profile or sampling methods.
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.*	Each sample is recorded for the lithology, type and nature of the soil. The surface topography and type is recorded at the sample location.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	The logging is both qualitive and quantitive in nature, with sample recovery and volume being recorded,
	The total length and percentage of the relevant intersections logged.	Not applicable as drilling results are not reported.
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	Not applicable as drilling results are not reported.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	All samples were dry when sampled where with regard to soils sampling.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Samples are dried, crushed and pulverized to produce a homogenous representative sub-sample for analysis at the laboratory.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	QAQC analysis are routinely completed during pXRF analysis. The instrument is calibrated on a daily basis and measured against standard to check accuracy at a minimum 1:50 readings. No QAQC are inserted within the submitted samples and are not deemed necessary for this stage of exploration. Internal laboratory QAQC measures are considered sufficient
	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.	Rock chips: representivity and suitability of each sample is adjudged by the onsite geologist. The company is not aware of any bias within the sampling of rock chips at the project to date. K:Rb sample: bias is removed from the sampling technique as only the feldspar minerals are collected for analysis. The sample material is sourced from the bottom of the pits with efforts made to reduce the amount of surficial 'float' material entering the sample. Sieving of the sample helps to homogenise and reduce size fraction of the sample
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The sample sizes are considered to be appropriate to screen for the geochemical signatures of K:Rb ratio analysis using pXRF. and associated geology. The sample sizes are considered to be appropriate to screen for the geochemical signatures for multi-element analysis

Criteria	JORC Code explanation	Commentary
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.*	The soil samples are analysed using an Peroxide Fusion Digest. Rock Chip samples have been analysed for Al, Ca, Fe, K, Li, Mg, Mn, P, S, Si, Ti, V, Cs, Nb, Ta, Ga, Sn, Be, Mo, Rb have been determined by either Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) or Inductively Coupled Plasma Mass-Spectrometry (ICP-MS) Au, Pt and Pd have been determined by Fire assay. The assay method and detection limits are appropriate for analysis of the elements required. K:Rb ratios are determined using a pXRF instrument for each sample collected. Due to the homogeneous nature of the sampling medium (Feldspar mineral) the pXRF is deemed suitable for determining readings of both target elements. The results have been found to be both reliable and repeatable through the survey thus far.
	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.	A handheld XRF instrument (Olympus Innov-X Spectrum Analyser) is used to provide an initial assay of the geochemical sample onsite. One reading is taken per sample. 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 of the soils and rock chip samples 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 have been established.	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	*The verification of significant intersections by either independent or alternative company personnel.*	Significant intersections and assays are verified by the Company's Technical Director and staff Geologist.
	The use of twinned holes.	Not applicable as drilling results are not reported.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Primary data is captured onto a tablet using GIS 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 from 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 used in Mineral Resource estimation.*	The sample locations are determined by using a handheld GPS system with an expected accuracy of +/-5m for easting, northing and elevation. This is considered adequate for the type and purpose of the surveys.
	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 specific location across the project, including drill collars, and entered into the central database. A topographic surface has been created using

Criteria	JORC Code explanation	Commentary
		this elevation data. The local elevation data is also captured with the handheld GPS when sampling.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	The soil samples were taken at 100m intervals along the geochemical survey lines 200m apart. Rock chip and K:Rb samples are taken where suitable.
	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.	Not applicable as drilling results are not reported.
	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.*	Rock Chips/K:Rb samples: The samples are taken at the discretion of the geologist on site. However, the orientation of key structures may be noted whilst mapping exercises are undertaken. The soil samples are taken at regular intervals, at a near perpendicular orientation (unless otherwise stated). However, the orientation of key structures may be locally variable and any relationship to potential 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 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. The chain of custody passes upon delivery of the samples to the assay laboratory.
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 the data. The soils programme has been reviewed by third parties and consultant geologists.

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 eight granted Exploration Licences (E29/638, E29/548, E29/954, E29/962, E29/972, E29/1041, E29/1143 and P29/2680). 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.

Criteria	JORC Code explanation	Commentary
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 and pegmatite hosted lithium caesium tantalum deposits 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 intrusive Ni-Cu sulphides in granite terrane. No historic exploration has been identified on E29/954 or E29/972. 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.
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 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. The Mt Alexander Project is prospective for further high-grade nickel-mineralisation (both komatiite and mafic-ultramafic intrusive hosted), lithium mineralisation 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 grades) and cut-off grades are usually Material and should be stated.*	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. 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%.
	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 intervals internal to broader zones of mineralisation are reported as included intervals.
	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*	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.

Criteria	JORC Code explanation	Commentary
	hole lengths are reported, there should be a clear statement to this effect.	
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.