



DISCOVERY HOLE INTERSECTS 250m OF GRAPHITE MINERALISATION, SIGNIFICANTLY INCREASING THE SCALE OF THE EMPEROR DEPOSIT

Highlights

- Discovery hole GCMDD003 targeting the limb and depth extension of the Emperor deposit has intersected a 250m @ 3.9% graphite zone from 129m, intersecting a previously unknown and untested repeat graphite zone below the Emperor resource, significantly increasing its scale (Figure 1).
- The Emperor deposit is now known to have graphite mineralisation from 30m to a vertical depth of 320m making it a substantial bulk mining opportunity, being 1km in strike, 250m in width and up to 250m thickness.
- The width and thickness of the Emperor graphitic schist unit is unparalleled compared to other more tabular vertical dipping deposits, with the geometry of the deposit being highly amenable to large open pit mining.
- Assays for the new discovery zone shows graphite mineralisation of 172m (from 207m to 379m) averaging 3.83% including:
 - 68m @ 4.19 % TGC from 207m
 - 44m @ 4.72 % TGC from 335m
- In addition to the newly discovered repeat mineralised package at depth, further potential is also held at the interpreted extension of the Emperor fold hinge limbs open to both the East and West along the strike of the deposit.
- Two remaining diamond Holes GCMDD004 & GCMDD001 drilled either side of discovery hole GCMDD003 have intersected up to 208m and 230m of graphitic schist respectively, both ending in visual graphite mineralisation.

Green Critical Minerals Ltd (“GCM” or “the Company”) which holds earn-in rights for up to 80% of the McIntosh Graphite Project (see GCM’s announcement on 15 June 2022) is pleased to announce the assay results from diamond hole GCMDD003 which confirms the visual estimates of graphite mineralisation reported by GCM on 06 July 2023. Hole GCMDD003 has successfully delineated a significant depth



extension of 184m to the known mineralized package at Emperor, uncovering a previously untested repeat graphite zone (see Figure 1). Significant results intersected in GCMDD003 are listed in Table 1. Please refer to Table 2 for full results.

GCMDD003 is the deepest hole completed at the Emperor deposit and outlines the potential to delineate this repeat mineralisation along the entire strike length of the Emperor Resource. DD holes GCMDD001, GCMDD002 and GCMDD004 are yet to be processed and assayed. Both DD holes GCMDD001 and GCMDD004 encountered the repeat zone of Emperor mineralisation in GCMDD003 and ended in mineralisation (see GCM's ASX announcement dated 18 July 2023).

- Hole GCMDD001 intersected up to 230m of graphitic schist, drilled 200m to the north of the discovery hole GCMDD003 (Ending in visual graphite mineralisation).
- Hole GCMDD004 intersected up to 208m of graphitic schist, drilled 150m to the South of the discovery hole GCMDD003 (Ending in visual graphite mineralisation).

*** The Company cautions that visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.**

The Emperor deposit remains open with further drilling required to define the extent of this very large mineral package.

Hole Id & Collar Details	From (m)	To (m)	Width (m)	C (TGC) (%)
GCM23D003 8052605mE, 8052605mN (GDA94z52), -62° Dip, 233° Azimuth, EOH Depth 424m	129	187	58	4.70
	191	192	1	5.30
	196	203	7	3.79
	207	275	68	4.19
	285	322	37	3.71
	335	379	44	4.72
	383	384	1	4.36

Table 1 - Collar and Significant results of GCM23D003 (TGC > 3.0% with 3m internal waste)

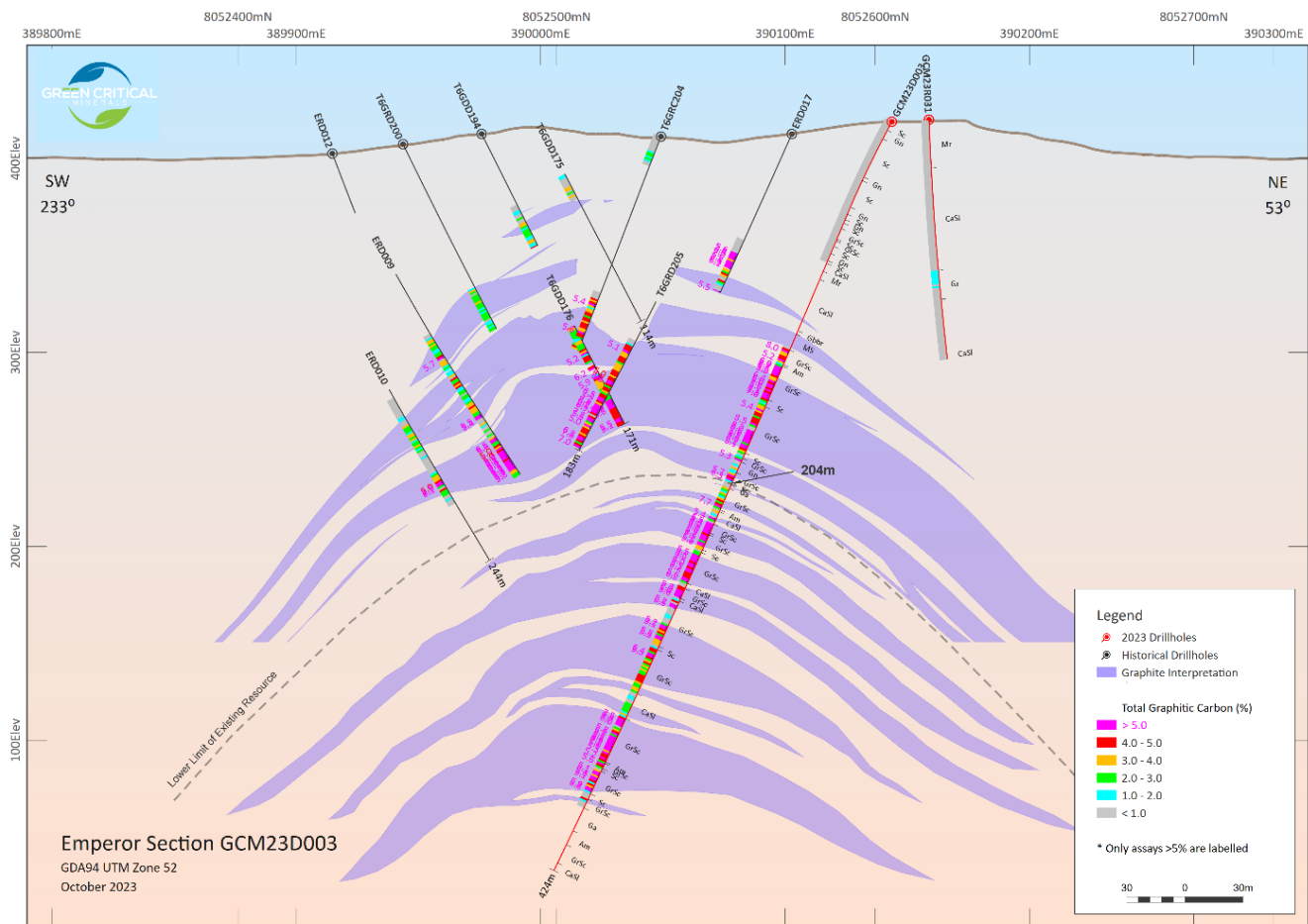


Figure 1 – Cross section of GCMDD003 through the Emperor Target

The mineralised package at Emperor is now over 1km in strike, 250m in width and up to 250m thickness. The unique folded nature of the Emperor deposit has created an accumulated package of graphitic schist which lends itself to favorable strip ratio compared to vertical tabular deposits that are commonly found elsewhere. This represents the potential for a substantial bulk mining opportunity,

NEXT STEPS FOR MCINTOSH

With the significant depth extension at Emperor, it represents a significant opportunity for resource expansion. The following steps are being undertaken as a matter of priority:

- Complete the metallurgical testwork on the half core of hole GCM23D003 from which two composites representing the upper or known Emperor resource (128m to 204m downhole) and the lower 'new' discovery or extension below it (204m to 388m). This study is to determine the flake size, purity etc.
- Interrogate results from GCMDD003 and determine whether to process the remaining three diamond core holes (cut, crush, pulverize and assay).
- Plan a follow up drill programme to define the repeat mineralisation target.
- Release an updated JORC 2012 mineral resource estimate.



Table 2 – Collar and total graphitic carbon results of GCM23D003

Hole ID & Collar Details	Sample ID	From	To	C (TGC) %	Sample ID	From	To	C (TGC) %
GCM23D003 8052605mE, 8052605mN (GDA94z52), -62° Dip, 233° Azimuth, EOH Depth 424m	GCMD001	128	129	0.01	GCMD043	170	171	4.32
	GCMD002	129	130	4.86	GCMD044	171	172	8.51
	GCMD003	130	131	7.96	GCMD045	172	173	2.76
	GCMD004	131	132	3.40	GCMD046	173	174	0.86
	GCMD005	132	133	3.75	GCMD047	174	175	0.63
	GCMD006	133	134	4.90	GCMD048	175	176	8.24
	GCMD007	134	135	4.53	GCMD049	176	177	8.03
	GCMD008	135	136	5.18	GCMD050	177	178	9.46
	GCMD009	136	137	3.01	GCMD051	178	179	7.63
	GCMD010	137	138	1.62	GCMD052	179	180	5.26
	GCMD011	138	139	2.80	GCMD053	180	181	6.38
	GCMD012	139	140	5.98	GCMD054	181	182	5.62
	GCMD013	140	141	5.71	GCMD055	182	183	2.86
	GCMD014	141	142	6.35	GCMD056	183	184	5.23
	GCMD015	142	143	5.89	GCMD057	184	185	5.10
	GCMD016	143	144	5.05	GCMD058	185	186	4.53
	GCMD017	144	145	4.49	GCMD059	186	187	3.22
	GCMD018	145	146	3.77	GCMD060	187	188	2.06
	GCMD019	146	147	3.15	GCMD061	188	189	0.46
	GCMD020	147	148	6.42	GCMD062	189	190	1.16
	GCMD021	148	149	4.01	GCMD063	190	191	2.98
	GCMD022	149	150	5.02	GCMD064	191	192	5.30
	GCMD023	150	151	5.56	GCMD065	192	193	0.09
	GCMD024	151	152	4.84	GCMD066	193	194	0.09
	GCMD025	152	153	5.62	GCMD067	194	195	1.30
	GCMD026	153	154	4.54	GCMD068	195	196	0.02
	GCMD027	154	155	5.13	GCMD069	196	197	3.13
	GCMD028	155	156	5.33	GCMD070	197	198	1.91
	GCMD029	156	157	7.03	GCMD071	198	199	1.71
	GCMD030	157	158	4.78	GCMD072	199	200	3.46
	GCMD031	158	159	2.78	GCMD073	200	201	5.69
	GCMD032	159	160	1.81	GCMD074	201	202	4.31
	GCMD033	160	161	2.74	GCMD075	202	203	6.32
	GCMD034	161	162	3.31	GCMD076	203	204	1.87
	GCMD035	162	163	3.42	GCMD077	204	205	0.04
	GCMD036	163	164	5.41	GCMD078	205	206	0.22
	GCMD037	164	165	3.22	GCMD079	206	207	0.86
	GCMD038	165	166	4.84	GCMD080	207	208	3.43
	GCMD039	166	167	4.26	GCMD081	208	209	2.56
	GCMD040	167	168	2.93	GCMD082	209	210	1.76
	GCMD041	168	169	4.28	GCMD083	210	211	3.02
	GCMD042	169	170	4.31	GCMD084	211	212	2.10



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GCM23D003 8052605mE, 8052605mN (GDA94z52), -62° Dip, 233° Azimuth, EOH Depth 424m	GCMD085	212	213	1.12	GCMD127	254	255	6.18
	GCMD086	213	214	3.34	GCMD128	255	256	4.96
	GCMD087	214	215	4.87	GCMD129	256	257	4.70
	GCMD088	215	216	2.63	GCMD130	257	258	4.36
	GCMD089	216	217	4.53	GCMD131	258	259	5.57
	GCMD090	217	218	7.72	GCMD132	259	260	6.19
	GCMD091	218	219	2.47	GCMD133	260	261	2.71
	GCMD092	219	220	0.42	GCMD134	261	262	0.20
	GCMD093	220	221	3.78	GCMD135	262	263	0.73
	GCMD094	221	222	0.13	GCMD136	263	264	4.01
	GCMD095	222	223	1.89	GCMD137	264	265	4.81
	GCMD096	223	224	0.88	GCMD138	265	266	5.71
	GCMD097	224	225	5.36	GCMD139	266	267	7.02
	GCMD098	225	226	2.57	GCMD140	267	268	5.43
	GCMD099	226	227	0.69	GCMD141	268	269	5.61
	GCMD100	227	228	6.54	GCMD142	269	270	0.02
	GCMD101	228	229	8.36	GCMD143	270	271	1.03
	GCMD102	229	230	9.04	GCMD144	271	272	4.62
	GCMD103	230	231	5.34	GCMD145	272	273	0.16
	GCMD104	231	232	9.59	GCMD146	273	274	5.23
	GCMD105	232	233	5.02	GCMD147	274	275	6.48
	GCMD106	233	234	4.30	GCMD148	275	276	0.18
	GCMD107	234	235	5.89	GCMD149	276	277	0.41
	GCMD108	235	236	6.19	GCMD150	277	278	0.71
	GCMD109	236	237	7.45	GCMD151	278	279	0.42
	GCMD110	237	238	2.04	GCMD152	279	280	1.71
	GCMD111	238	239	5.75	GCMD153	280	281	1.64
	GCMD112	239	240	5.58	GCMD154	281	282	0.38
	GCMD113	240	241	3.49	GCMD155	282	283	0.71
	GCMD114	241	242	3.75	GCMD156	283	284	0.45
	GCMD115	242	243	0.03	GCMD157	284	285	2.59
	GCMD116	243	244	2.94	GCMD158	285	286	5.17
	GCMD117	244	245	2.07	GCMD159	286	287	5.09
	GCMD118	245	246	5.55	GCMD160	287	288	4.86
	GCMD119	246	247	5.40	GCMD161	288	289	3.69
	GCMD120	247	248	5.78	GCMD162	289	290	4.57
	GCMD121	248	249	5.23	GCMD163	290	291	2.42
	GCMD122	249	250	4.87	GCMD164	291	292	5.55
	GCMD123	250	251	7.55	GCMD165	292	293	5.51
	GCMD124	251	252	5.95	GCMD166	293	294	3.62
	GCMD125	252	253	4.94	GCMD167	294	295	3.37
	GCMD126	253	254	5.08	GCMD168	295	296	3.66



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GCM23D003 8052605mE, 8052605mN (GDA94z52), -62° Dip, 233° Azimuth, EOH Depth 424m	GCMD169	296	297	0.43	GCMD211	338	339	7.49
	GCMD170	297	298	1.40	GCMD212	339	340	6.84
	GCMD171	298	299	4.05	GCMD213	340	341	7.70
	GCMD172	299	300	4.46	GCMD214	341	342	6.03
	GCMD173	300	301	2.86	GCMD215	342	343	0.32
	GCMD174	301	302	6.38	GCMD216	343	344	2.70
	GCMD175	302	303	5.35	GCMD217	344	345	3.14
	GCMD176	303	304	4.31	GCMD218	345	346	4.16
	GCMD177	304	305	2.54	GCMD219	346	347	5.80
	GCMD178	305	306	3.33	GCMD220	347	348	2.47
	GCMD179	306	307	4.75	GCMD221	348	349	5.86
	GCMD180	307	308	2.79	GCMD222	349	350	5.14
	GCMD181	308	309	3.29	GCMD223	350	351	5.67
	GCMD182	309	310	2.92	GCMD224	351	352	5.76
	GCMD183	310	311	3.57	GCMD225	352	353	8.46
	GCMD184	311	312	2.53	GCMD226	353	354	9.33
	GCMD185	312	313	2.05	GCMD227	354	355	7.82
	GCMD186	313	314	4.09	GCMD228	355	356	5.59
	GCMD187	314	315	4.20	GCMD229	356	357	3.20
	GCMD188	315	316	4.16	GCMD230	357	358	5.34
	GCMD189	316	317	4.71	GCMD231	358	359	4.15
	GCMD190	317	318	3.02	GCMD232	359	360	4.71
	GCMD191	318	319	2.84	GCMD233	360	361	5.19
	GCMD192	319	320	2.50	GCMD234	361	362	4.25
	GCMD193	320	321	3.32	GCMD235	362	363	2.18
	GCMD194	321	322	3.91	GCMD236	363	364	5.63
	GCMD195	322	323	2.57	GCMD237	364	365	4.64
	GCMD196	323	324	0.80	GCMD238	365	366	2.34
	GCMD197	324	325	0.10	GCMD239	366	367	0.49
	GCMD198	325	326	1.15	GCMD240	367	368	3.55
	GCMD199	326	327	1.79	GCMD241	368	369	5.10
	GCMD200	327	328	0.02	GCMD242	369	370	5.12
	GCMD201	328	329	0.02	GCMD243	370	371	3.69
	GCMD202	329	330	2.44	GCMD244	371	372	5.61
	GCMD203	330	331	2.49	GCMD245	372	373	5.10
	GCMD204	331	332	2.27	GCMD246	373	374	4.78
	GCMD205	332	333	2.41	GCMD247	374	375	1.67
	GCMD206	333	334	2.82	GCMD248	375	376	4.31
	GCMD207	334	335	1.56	GCMD249	376	377	3.92
	GCMD208	335	336	3.71	GCMD250	377	378	5.92
	GCMD209	336	337	1.61	GCMD251	378	379	6.62
	GCMD210	337	338	4.51	GCMD252	379	380	1.83



Hole ID & Collar Details	Sample ID	From	To	C (TGC) %		Sample ID	From	To	C (TGC) %
GCM23D003 8052605mE, 8052605mN (GDA94z52), -62° Dip, 233° Azimuth, EOH Depth 424m	GCMD253	380	381	0.18		GCMD257	384	385	1.19
	GCMD254	381	382	0.34		GCMD258	385	386	0.40
	GCMD255	382	383	0.55		GCMD259	386	387	0.82
	GCMD256	383	384	4.36		GCMD260	387	388	0.12

Competent Person Statement

The information in this report that relates to the exploration activities are based on information compiled by Mr. S Nicholls, who is a Member of the Australian Institute of Geoscientists and full time employee of Apex Geoscience. Mr. S Nicholls has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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. Nicholls consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Authorisation

The provision of this announcement to the ASX has been authorised by the board of directors of Green Critical Minerals Limited.

Green Critical Minerals Limited confirms that it is not aware of any new information or data that materially affects the exploration results contained in this announcement.

Forward Looking Statements

Statements contained in this release, particularly those regarding possible or assumed future performance, costs, dividends, production levels or rates, prices, resources, reserves or potential growth of Green Critical Minerals Limited, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors.

Appendix 1: JORC Code, 2012 Edition - Table 1

JORC Code, 2012 Edition – Table 1 report template

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralization 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 mineralization types (eg submarine nodules) may warrant disclosure of detailed information. 	<ul style="list-style-type: none"> Diamond Drilling (DD) and Reverse Circulation (RC) drilling at the McIntosh Project was supervised, and samples were collected by, geologists from APEX Geoscience Australia Pty Ltd, which is an independent geological consultancy. For RC samples were collected in four metre composites, unless visible graphite was observed, in which case one-metre intervals of approximately 2-3 kg were collected, from a rig-mounted cone splitter. For DD samples were collected at one metre intervals down the hole. Samples from the drilling were submitted to ALS laboratory in Perth, WA, for sample preparation and analysis, with graphitic carbon determined by digesting the sample in n 50% HCl to evolve carbonate as CO₂. Residue is filtered, washed, dried and then roasted at 425C. The roasted residue is analysed for carbon by oxidation, induction furnace and infrared spectroscopy (ALS code C-IR18) and total carbon and sulfur analysis by induction IR (ME-IR08).
Drilling techniques	<ul style="list-style-type: none"> Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). 	<ul style="list-style-type: none"> The RC drilling was conducted by Red Rock Drilling of South Boulder WA, using a Hydco 40 350/1050 truck mounted rig with a Merc 6X6 air truck. This drill uses a modern face sampling hammer with inner-tube and sample hose delivery to cyclone-cone splitter sample assembly. RC drilling used a 5 ½ inch face sampling hammer with a 4-inch rod string. The DD drilling was conducted by DDH1 of Canning Vale WA, using a Sandvik DE880 truck mounted drill rig. All diamond core was HQ in size.
Drill sample recovery	<ul style="list-style-type: none"> Method of recording and assessing core and chip sample recoveries and results assessed. 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. 	<ul style="list-style-type: none"> Sample recovery and sample condition is recorded for all drilling. Sample recovery has been good for the holes completed thus far.

Criteria	JORC Code explanation	Commentary
Logging	<ul style="list-style-type: none"> <i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i> <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> <i>The total length and percentage of the relevant intersections logged.</i> 	<ul style="list-style-type: none"> RC drill holes were logged for various geological attributes, including colour, lithology, oxidation, alteration, visible mineralisation and veining. All holes were logged in full by geologists from APEX. The diamond holes had a quick log performed, noting the lithology and the visual graphite abundances. The diamond holes were sent to Core explore technologies in Bassendean WA for GeoCore X10 analysis which measures geotechnical features, lithology and density values.
	<ul style="list-style-type: none"> <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> <i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i> <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> 	<ul style="list-style-type: none"> The RC drill samples were either collected as a 4m composite or a 1m sample. This was determined based on visual graphite mineralisation observed during the logging process. If visual graphite mineralisation was noted, the 1m sample that was collected through the cone splitter mounted to a vertical cyclone was submitted for analysis. The samples were collected as approximately 2 to 3 kg sub-sample splits. The sample sizes and analysis size are considered appropriate to correctly represent the mineralisation based on the style of mineralisation, sampling methodology and assay value ranges for the commodities of interest. Quality Control on the RC drill rig included insertion of duplicate samples (5%) to test lab repeatability, insertion of standards (5%) to verify lab assay accuracy and cleaning and inspection of sample assembly. A standard or duplicate was inserted every 20th sample. The HQ diamond core was cut into half at ALS core cutting facility in Perth. Half core was taken for sampling purposes and single pass crushed to 90% passing 3.1mm. The crushed material was then split 50:50. Half reserved for metallurgical purposes, and the other half then pulverised in preparation for C-IR18 analysis. GCM inserted blanks samples (1.4%) and duplicate samples (7%) at random into the diamond core sample stream to test lab repeatability and verify lab assay accuracy.
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i> <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels</i> 	<ul style="list-style-type: none"> The RC and diamond core samples that were sent to the laboratory were crushed and pulverised prior to analysis via C-IR18 analytical method. Graphitic carbon was determined by digesting the sample in n 50% HCl to evolve carbonate as CO₂. Residue is filtered, washed, dried and then roasted at 425C. The roasted residue is analysed for carbon by oxidation, induction furnace and infrared spectroscopy (ALS code C-IR18) and total sulfur analysis by induction IR (S-IR08). The analytical methods and procedures are appropriate for this style of mineralisation.

Criteria	JORC Code explanation	Commentary
	<i>of accuracy (ie lack of bias) and precision have been established.</i>	<ul style="list-style-type: none"> ALS inserts its own quality control standards and blanks at set frequencies and monitors the precision of the analyses. ALS performs repeat analyses at random intervals to test lab accuracy. Laboratory procedures are within industry standards and are appropriate for the commodity of interest. Industry certified standards were inserted in the RC chip sample stream every 20 samples, and field duplicates were collected every 50 samples. Only industry certified base metal standard were used. All standards will be scrutinized to ensure they fell within acceptable tolerances. GCM inserted blanks and duplicate samples at random in the diamond core sample stream to test lab repeatability and verify lab assay accuracy.
Verification of sampling and assaying	<ul style="list-style-type: none"> <i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> <i>Discuss any adjustment to assay data.</i> 	<ul style="list-style-type: none"> Consultant geologists, from APEX Geoscience Australia Pty Ltd were involved in the logging of the RC and diamond drilling. APEX was involved in the whole process including drill hole supervision, chip sample collection and importing the assay results. MX Deposit software was utilized to log the collect the logging data. The data will be imported into a database for long term storage and validation. Drill hole logs were inspected to verify the correlation of mineralised zones between assay results and lithology/alteration/mineralisation. The entire chain of custody was supervised by APEX.
Location of data points	<ul style="list-style-type: none"> <i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i> <i>Specification of the grid system used.</i> <i>Quality and adequacy of topographic control.</i> 	<ul style="list-style-type: none"> RC and DD drill hole locations were picked up using a handheld Garmin GPS, considered to be accurate to ± 5 m. Downhole surveys have been completed at 30 m stations (and start and end of hole) using a downhole gyroscopic survey tool (AXIS). The holes have been largely straight thus far. All coordinates are recorded in MGA Zone 52 datum GDA94. Topographic control is provided by a the two previously completed VTEM surveys and handheld GPS elevations.
Data spacing and distribution	<ul style="list-style-type: none"> <i>Data spacing for reporting of Exploration Results.</i> <i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> <i>Whether sample compositing has been applied.</i> 	<ul style="list-style-type: none"> The drilling conforms with historical drilling lines and visibly mineralised surface mineralisation. The completed drill spacing in conjunction with the historic RC drilling is spaced close enough to confirm continuity of mineralisation and is sufficient to support the definition of a mineral resource, and the classifications applied under the 2012 JORC code.
Orientation of data in relation to	<ul style="list-style-type: none"> <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> <i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a</i> 	<ul style="list-style-type: none"> The RC drill holes were drilled at near perpendicular to the strike of the graphitic schist horizons. GCM23DD003 was drilled at 232° which is just off the optimal orientation of 258° that is perpendicular to mineralisation. The relationship between the drilling orientation and the orientation of

Criteria	JORC Code explanation	Commentary
geological structure	<i>sampling bias, this should be assessed and reported if material.</i>	key mineralised structures is not considered to have introduced a sampling bias. There may be a slight increase in reported thickness's due to the orientation of some holes.
Sample security	<ul style="list-style-type: none"> <i>The measures taken to ensure sample security.</i> 	<ul style="list-style-type: none"> The sample security consisted of the RC chip samples being collected from the field into pre-numbered calico bags and diamond core trays, loaded for transport directly from site via Bruce Avery Transport. Bruce Avery Transport delivered the samples to the laboratory. The chain of custody for samples from collection to delivery at the laboratory is handled by APEX Geoscience personnel. The sample submission was submitted by email to the lab, where the sample counts and numbers were checked by laboratory staff.
Audits or reviews	<ul style="list-style-type: none"> <i>The results of any audits or reviews of sampling techniques and data.</i> 	<ul style="list-style-type: none"> No formal audits or reviews have been performed on the project, to date. The work was completed by reputable companies and laboratories using industry best practice.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i> 	<ul style="list-style-type: none"> These tenements are held by McIntosh Resources Pty Ltd who is a wholly owned subsidiary of Hexagon Energy Materials Limited (HXG). Green Critical Minerals Ltd (GCM) has the right to earn up to an 80% interest in McIntosh from Hexagon Energy Materials Limited (HXG) HXG entered into a joint venture arrangement with Mineral Resources Ltd (MRL) who are the managers of exploration on the project. There are no known impediments.
Exploration done by other parties	<ul style="list-style-type: none"> <i>Acknowledgment and appraisal of exploration by other parties.</i> 	<ul style="list-style-type: none"> The East Kimberley has been largely explored for base metals and diamonds with no active previous exploration for graphite. Graphite had been noted by Gemutz during regional mapping in the Mabel Downs area for the BMR in 1967, by Rugless mapping and RAB drilling in the vicinity of Melon Patch bore, to the east of the Great Northern Highway in 1993 and has been located during nickel exploration by Australian Anglo American Ltd, Panoramic Resources Ltd and Thunderlarra Resources Ltd over the last 20 years.
Geology	<ul style="list-style-type: none"> <i>Deposit type, geological setting and style of mineralization.</i> 	<ul style="list-style-type: none"> The McIntosh Project graphite schist horizons occur in the high grade metamorphic terrain of the Halls Creek Mobile Zone of Western

Criteria	JORC Code explanation	Commentary
		<p>Australia.</p> <ul style="list-style-type: none"> The host stratigraphy is the Tickalara Metamorphics which extend for approximately 130 km along the western side of the major Halls Creek Fault. The metamorphic rocks reach granulite metamorphic facies under conditions of high-temperature and high pressure although the metamorphic grade in the McIntosh Project area appears to be largely upper amphibolite facies with the presence of key minerals such as sillimanite and evidence of original cordierite. Hexagon has identified graphite schist horizons and accompanying aerial EM anomalies over a strike length in excess of 15 km within the granted tenements, with potential for another 35 km strike length of graphite schist in EL applications. The McIntosh target areas contain graphite and include seven (7) identified exploration target areas – Mackerel, Cobia, Wahoo, Barracuda, Emperor, Rockcod and Trevally.
Drill hole Information	<ul style="list-style-type: none"> A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length. If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. 	<ul style="list-style-type: none"> Reported in the announcement.
Data aggregation methods	<ul style="list-style-type: none"> In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate 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. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> Length weighted intersections have been reported in the above mentioned Table of the release. Hexagon RC samples were all 1m in length. Diamond core samples were 1 m in length. Metal equivalents are not reported in the Hexagon reports, as this is an industrial mineral project where the mineral properties define grade (e.g. flake size and purity).
Relationship between mineralization widths and	<ul style="list-style-type: none"> These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralization 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 	<ul style="list-style-type: none"> There is a very close relationship between the graphitic schist unit and Total Graphitic Carbon TGC% assays. The presence of graphitic schist is clearly evident in both the Hexagon RC chips and diamond drill core so that the assay widths can be clearly related to the geological logs

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<i>intercept lengths</i>	<i>should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	<ul style="list-style-type: none"> Hexagon RC and Diamond core drill holes were drilled at or near perpendicular to the strike of the graphitic schist horizons. Diamond hole GCMDD003 was drilled at 232° which is just off the optimal orientation of 258° that is perpendicular to mineralisation. There may be a slight increase in reported thickness's due to the orientation of some holes.
<i>Diagrams</i>	<ul style="list-style-type: none"> <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i> 	<ul style="list-style-type: none"> Appropriate exploration cross sections of the key holes have been included in the release showing the Green Critical Minerals drill holes.
<i>Balanced reporting</i>	<ul style="list-style-type: none"> <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i> 	<ul style="list-style-type: none"> A table containing anomalous drilling results to date has been included in the release.
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i> 	<ul style="list-style-type: none"> The September 2014 VTEM Supermax and 2016 XCite electromagnetic survey over the McIntosh Flake Graphite Project identified numerous high priority anomalies. Five of these were previously identified by induced polarisation (IP) and confirmed to be flake graphite schist by geological field mapping, petrographic analysis, rock chip sampling and exploration drilling.
<i>Further work</i>	<ul style="list-style-type: none"> <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i> 	<ul style="list-style-type: none"> Green Critical Minerals are currently awaiting the remainder of the diamond results to conduct further targeting.