ASX RELEASE 31 JULY 2015

SOVEREIGN METALS LIMITED

JUNE 2015 QUARTERLY REPORT

Sovereign Metals Limited ("the Company" or "Sovereign") is pleased to present its quarterly report for the period ending 30 June 2015. The Company's primary focus during the period continued to be the advancement of its graphite prospects in Malawi, including the major Duwi Flake Graphite Project and the Lifidzi and Malingunde Saprolite-Hosted Graphite Projects.

Highlights:

- ***Commencement of Duwi Scoping Study:***
  - *Scoping Study commences to examine production scenarios of ~40,000t and ~100,000t of flake graphite per annum. The study is based predominantly on the Indicated Mineral Resource and Duwi's world class, large flake metallurgical properties. Results are expected in Q3, 2015.*
- ***Metallurgical testwork for the Duwi Project continues:***
  - *Previous testwork has confirmed the world class, large flake characteristics of Duwi fresh rock concentrates, with 63% > 150 µm, including 33.5% in the Extra Large / Jumbo Category (+300 µm*).
  - *Testwork is ongoing at SGS Canada Inc. to refine the process in order to improve graphite recovery and concentrate purity, and to provide larger concentrate samples for evaluation by potential end users and customers.*
- ***Exploration Activities Focus on Saprolite Hosted Flake Graphite Deposits:***
  - *A total of 26 separate ground EM targets were tested by hand auger drilling at Malingunde, located to the west of Lilongwe, the capital of Malawi.*
  - *One new significant prospect at Ndumila II has been identified at Malingunde in addition to the 3 major prospects previously discovered at Lifidzi (Thete, Junction & Chiziro).*
  - *All 4 major prospects at Malingunde and Lifidzi show multiple parallel zones of saprolitic flake graphite mineralisation that each range in across strike widths from ~10m to greater than 100m and have strike lengths of up to 2km, remaining mostly open in both strike directions and at depth.*
  - *Hand augering of targets at Malingunde and Lifidzi continues into Q3.*
- ***Ongoing discussions with potential Offtake and Financing Partners:***
  - *Experienced Chinese metals and mining agent, Shanghai Bewin, appointed to assist in discussions with potential offtake and financing partners in the graphite sector.*
- ***Entitlements Issue Raises $1.24 million:***
  - *1 for 5 entitlements issue raises $1.24 million before costs.*
  - *Funds raised will be used to continue exploration activities and to pursue a range of strategic discussions with potential partners for its graphite projects located in Malawi.*

Enquiries: ***Matthew Syme – Managing Director +618 9322 6322***

Operations

Sovereign is exploring its large and highly prospective tenement holding located in Malawi, near the capital city, Lilongwe. Activities during the June 2015 Quarter focussed on the commencement of the Scoping Study for the Company's Duwi Flake Graphite Project and exploration of saprolite targets at Malingunde.

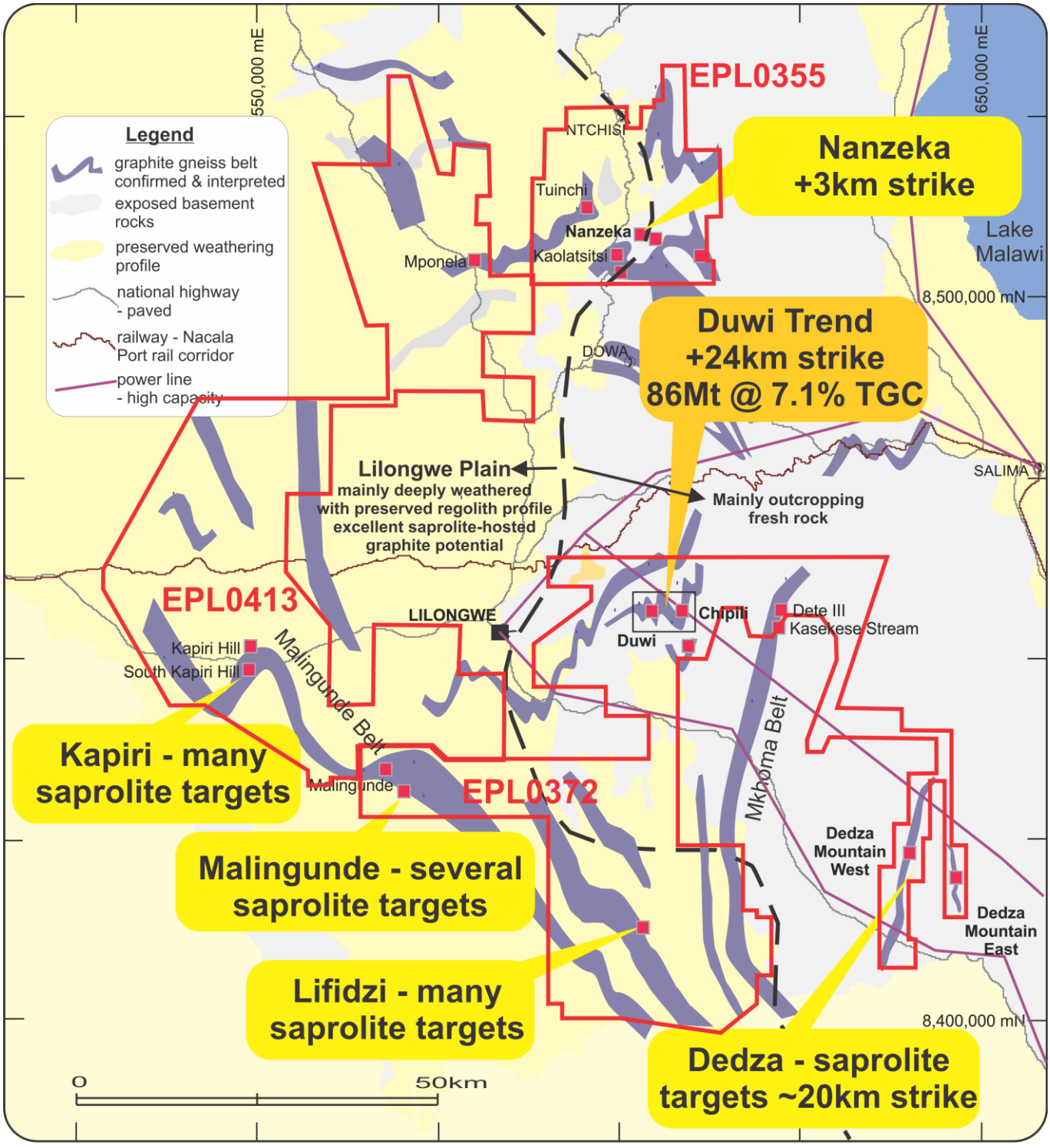

Figure 1. Simplified map showing major flake graphite prospects.

Duwi Flake Graphite Project

The Duwi Project is located within 20km of Lilongwe, the capital city of Malawi, and is well serviced by road, rail, electricity and other infrastructure (Figures 1 and 2).

The Company has identified three substantial proximal bodies of flake graphite mineralisation at Duwi – being Duwi Main, Duwi Bend and Nyama. A maiden Mineral Resource Estimate ("MRE") for these deposits was completed in October 2014, totalling 86Mt at 7.1% TGC (total graphitic carbon), containing 6.13Mt of graphite (5% TGC cut-off) (see ASX Announcement 17 October 2014).

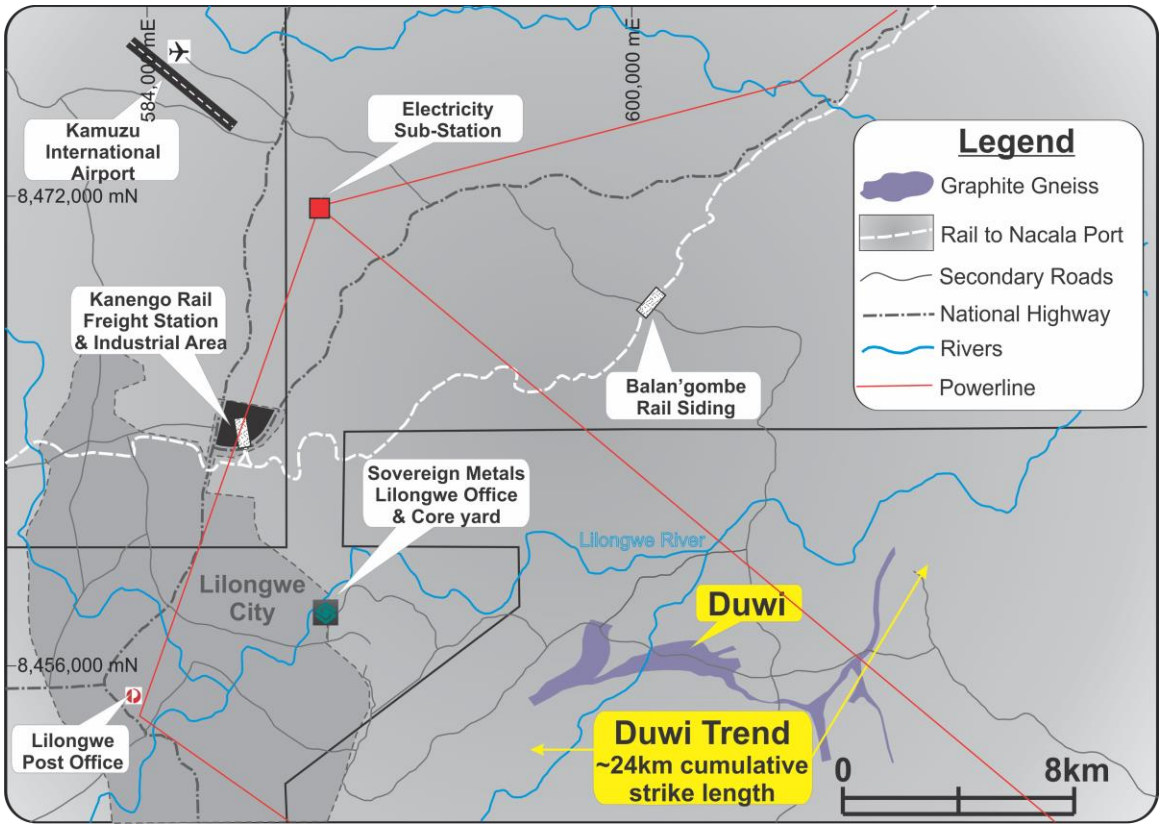

Figure 2. Map showing location of the Duwi Trend in relation to important infrastructure.

Metallurgical Testwork

An independent bench-scale metallurgical testwork program was completed for the Duwi Project in 2014. The testwork was performed by SGS Canada Inc. under the supervision of Mr Oliver Peters (MSc, P.Eng, MBA).

The primary objective of the testwork was to independently verify the results from 2013 testwork at MINTEK Johannesburg (see ASX Announcement 22 January 2014), by employing similar test work equipment and conditions prior to proceeding to the next phase of testwork.

The overall size distribution and grade of the MINTEK and SGS test were very similar (Table 1). Concentrate grades of the three coarsest size fractions were all within 0.7% carbon content between the two laboratories, indicating excellent concentrate grade repeatability (see ASX Announcement 21 October 2014).

Table 1: Duwi – Concentrate Flake Size and Carbon Content

Particle size		MINTEK 2013		SGS 2014		Flake Category
Tyler Mesh	(µm)	Distribution (wt. %)	C[1] (%)	Distribution (wt. %)	C[2] (%)	
+35	**+425**	**19.7**	**96.3**	**17.5**	**95.8**	**Extra Large (Jumbo)**
-35 + 48	**- 425 + 300**	**17.1**	**93.3**	**16.0**	**93.8**	
-50 + 100	- 300 + 150	27.4	90.3	29.3	91.0	**Large-Medium**
-100 + 200	- 150 + 75	15.7	90.8	19.1	88.8	Small
-200	- 75	20.1	88.7	18.0	87.7	Amorphous
Total		**100.0**	**91.8**	**100.0**	**91.3**	

[1] The graphitic carbon content of the samples was determined using a thermo gravimetric analyser. The graphitic carbon equivalent content shown in the table is the difference between the loss on ignition at 375°C and 1,000°C.

[2] The chemical analysis used to determine the total carbon content employs combustion of a sample followed by infrared detection on a LECO SC-632 instrument. All reported analytical results have an associated measurement uncertainty based on the expected precision and accuracy relating to the method and sample concentration. Values at 100% should not be treated as pure products without additional impurity testing. The estimated measurement uncertainty for total carbon values greater than 90% C is 1.7% (relative) with a resolution of 1 significant figure.

SGS also completed a number of additional batch flotation tests on the master composite sample to assess the impact of a range of processing alternatives, principally grinding and polishing times and reagent variations. These tests provided further information on the effect of different potential process flowsheets on concentrate grade, flake size distribution and recovery. The results set out above represent a base case flowsheet to date and further work is required to optimise a process flowsheet prior to establishing process design criteria.

The next stage of testwork for Duwi commenced at SGS during the Quarter and involves:

- process refinement to improve graphite recovery and concentrate purity;
- further variability testwork across the deposit; and
- upscaling of independent metallurgical processing to provide larger concentrate samples for evaluation by potential end users and customers.

Scoping Study

During the Quarter, the Company commenced a Scoping Study for the Duwi Project, to examine two production scenarios producing ~40,000t and ~100,000t of graphite concentrate per annum. Experienced engineering consultants, Nova Projects, have been engaged to the complete the study.

The Indicated portion of the MRE will provide the majority of the tonnage input for the Scoping Study.

Results of the Scoping Study are expected later in the current Quarter.

Saprolite Targets at Lifidzi and Malingunde

Saprolite or clay hosted flake graphite mining operations, similar to those in China and Madagascar, have significant cost and environmental advantages over hard rock mining operations due to:

- Simple, low cost exploration with auger or air-core drilling prevalent;
- The free-dig nature and very low strip ratios of the mineralised material, which is by definition close to or at surface;
- Simple processing with no primary milling circuit results in large capital and operating cost advantages;
- The preservation of coarse graphite flakes in the weathering profile due to graphite's chemically inert properties; and
- The relative absence of sulphides offers substantial tailings management advantages.

Sovereign initially discovered widespread saprolite hosted graphite mineralisation at the Dedza Prospect and metallurgical test-work on samples from Dedza subsequently indicated very favourable large flake characteristics (ASX Announcement 17 June 2014).

After assessing the potential cost advantages and high value flake characteristics of saprolite-hosted graphite, Sovereign's attention turned to its permits at Lifidzi, Malingunde and Kapiri.

These three new areas occur on the Lilongwe Plain, which has a largely preserved, deep tropical weathering profile and therefore potentially significant thicknesses of saprolite.

Overall, the Company controls a vast area prospective for saprolitic graphite deposits with Lifidzi ~ 900km^2, Malingunde ~140km^2 and Kapiri ~ 2,165km^2 (Figure 1).

In the December 2014 and March 2015 Quarters the Company undertook a program of ground electromagnetic (EM) surveys at Dedza, Lifidzi and Malingunde and a program of hand auger drilling at Lifidzi.

During the June Quarter, auger drilling was focussed on the Malingunde area located to the West of Malawi's capital Lilongwe:

- Graphite was previously detected in limited mapping, several water-bore holes and in "chiziro" (locally made paint containing graphite) on village huts.
- The Company completed an 8 line km ground EM program at Malingunde during the March 2015 Quarter and identified 26 separate conductors.
- A total of 197 hand auger holes for 1,490 metres of drilling was completed during the June Quarter.
- 6 of 26 conductors tested with hand auger drilling at Malingunde showed visually significant graphite zones.
- The 6 targets with significant visual graphite all occur at Ndumila II in a cluster of parallel mineralised zones.
- Each mineralised zone has an across strike width ranging from 20m to 100m with the overall strike length at Ndumila II being 1.6km and open in both directions.

- Collectively at Malingunde and Lifidzi 4 major saprolite-hosted graphite prospects have been identified by hand auger drilling (Ndumila II at Malingunde and Thete, Chiziro and Junction at Lifidzi).
- All 4 major prospects have been shown to be very substantial with widths ranging from 20m to over 100m across strike and strike lengths of generally 1 to 2km, open in both directions.
- All mineralised auger holes ended in saprolite at depths between 6m and 12m due to the presence of water (and hence the limit of hand auger drilling). This indicates a deep saprolite profile is potentially present.
- Less than 10% of the combined area at Malingunde and Lifidzi has been explored with ground EM and hand auger drilling.
- At Kapiri, to the north of Malingunde, a large area underlain by conductive rocks shows a number of sub-cropping graphite occurrences, and importantly has a mostly preserved, deep weathering profile, suggesting additional significant potential for saprolite-hosted flake graphite mineralisation.

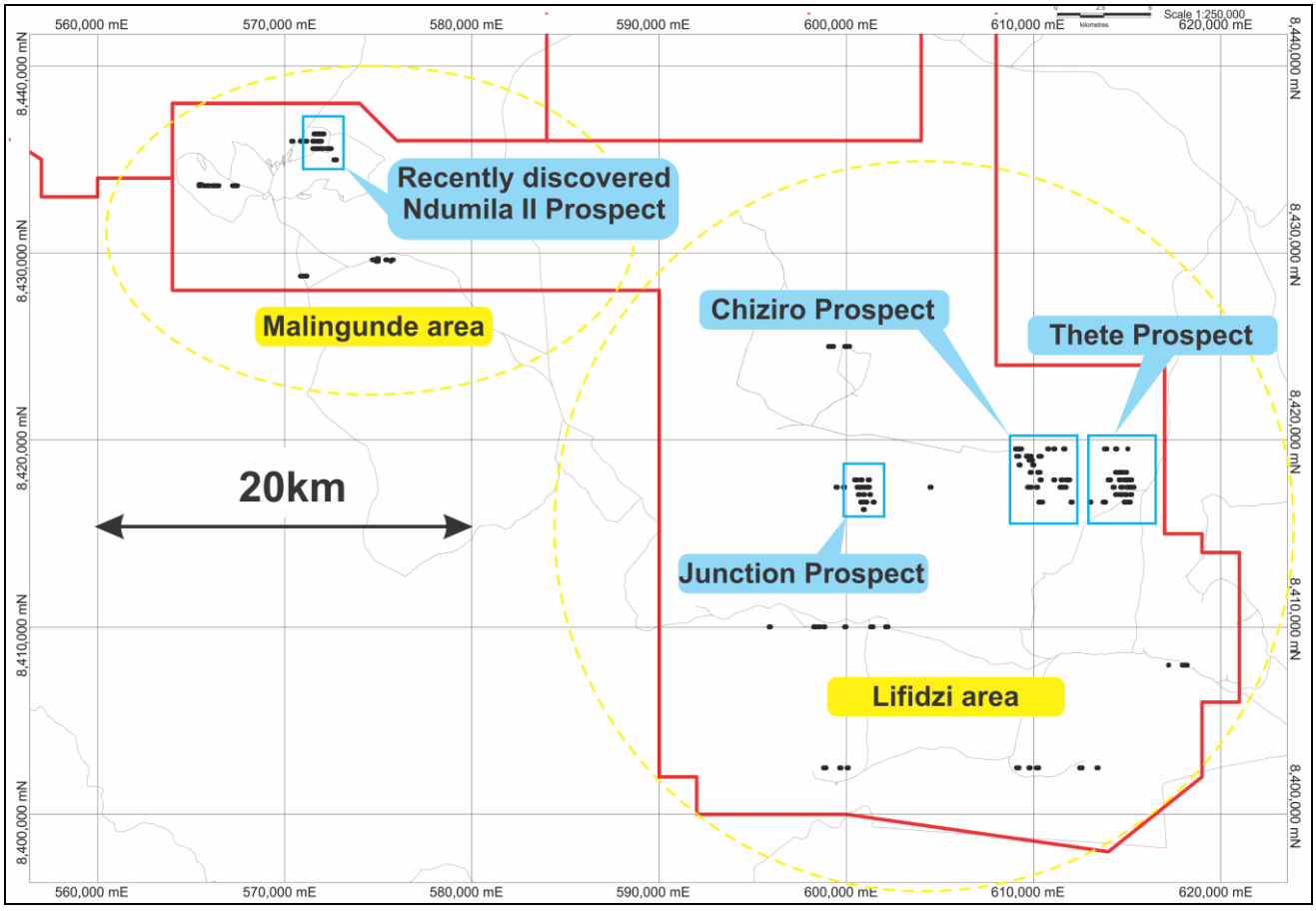

Figure 3. Map of the Lifidzi and Malingunde areas showing the four main saprolite-hosted graphite prospects identified so far in hand auger drilling

Conclusion

Four substantial saprolite-hosted flake graphite prospects in zones ranging up to 100m wide (cumulative across strike width) have been identified so far at Malingunde and Lifidzi with under 10% of the areas explored. The same graphitic paragneiss rock package also underlies the large Kapiri area and hence this also shows substantial saprolite-hosted flake graphite potential.

Current exploration information – geological mapping, VTEM, ground EM, auger and aircore drilling - indicates that there is potentially several hundred kilometres of cumulative strike length of saprolitic graphite mineralisation across the project areas.

Appointment of Chinese Agent

Sovereign appointed Shanghai Bewin Corporation Management Consulting Co (Shanghai Bewin) as its agent in China to assist in discussions with potential offtake and financing partners in the graphite sector.

Shanghai Bewin is an independent consulting firm based in China, with long relationships and strong networks in Chinese industry, including the steel and industrial products sectors. Mr KG Goh, the Managing Partner of Shanghai Bewin who will represent Sovereign in China, is a qualified engineer with considerable experience advising clients in the Energy and Commodity Sectors with Fortis Corporate Finance, BNP Paribas and Standard Chartered (Beijing).

China is the dominant supplier of graphite products, accounting for approximately 60-70% of the global market. The rapidly growing number of offtake agreements struck between Chinese graphite companies and foreign graphite developers, particularly with East African assets, underlines the level of interest in China for securing new long term sources of large flake graphite.

Discussions with a potential offtake and financing partners continue.

Carpentaria Joint Venture

Mount Isa Mines, a Glencore Company, continues to manage and sole fund exploration on all tenements comprising the Carpentaria Joint Venture (“CJV”).

Activity during the Quarter included a soil survey, mapping and in-field review at Fountain Range (EPM 12561).

Entitlements Issue

In February 2015, the Company advised that it would undertake a non-renounceable entitlements issue (“Entitlements Issue”). Under the Entitlements Issue, Shareholders were entitled to acquire one new share for every five shares held at the record date (18 March 2015) at an issue price of $0.06 per new share.

As at the closing date, the Company had received applications for 14,829,812 new shares raising $0.89 million before costs and the new shares were issued on 17 April 2015. 5,916,666 Shares of the shortfall were issued on 9 July 2015, with the Entitlements Issue raising a total of $1.24 million before costs.

Funds raised will be used to continue exploration activities and to pursue a range of strategic discussions with potential partners for its graphite projects located in Malawi.

Competent Person Statement

The information in this report that relates to Exploration Results, not including Geophysical Results, is based on information compiled by Dr Julian Stephens, a Competent Person who is a member of the Australasian Institute of Geoscientists (AIG). Dr Stephens is a consultant to Sovereign Metals Limited and is also a substantial holder of shares, and a holder of convertible performance shares and performance rights in Sovereign Metals Limited. Dr Stephens 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'. Dr Stephens consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Metallurgical Testwork Results is extracted from the report entitled 'Further Metallurgical Testwork Confirms Exceptional Large Flake Characteristics' dated 21 October 2014. This report is available to view on www.sovereignmetals.com.au. The information in the original ASX Announcement that related to Metallurgical Testwork Results was based on, and fairly represents, information compiled by Mr Oliver Peters, M.Sc., P.Eng., MBA, who is a Member of the Professional Engineers of Ontrario ('PEO'), a 'Recognised Professional Organisation' ('RPO'). Mr Peters is a consultant of SGS Canada Inc. ('SGS'). SGS is engaged as a consultant by Sovereign Metals Limited. Mr Peters 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'. The Company confirms that it is not aware of any new information or data that materially affects the information including in the original market announcement. 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 announcement.

The information in this Report that relates to Mineral Resources is extracted from the report entitled 'Maiden JORC Resource Confirms Duwi as one the World's Largest Graphite Deposits' dated 17 October 2014. The announcement is available to view on www.sovereignmetals.com.au. The information in the original ASX Announcement that related to Mineral Resources was based on, and fairly represents, information compiled by Mr David Williams, a Competent Person, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Williams is employed by CSA Global Pty Ltd, an independent consulting company. Mr Williams has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity 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'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. 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 announcement.

Forward Looking Statement

This release may include forward-looking statements, which may be identified by words such as "expects", "anticipates", "believes", "projects", "plans", and similar expressions. These forward-looking statements are based on Sovereign's expectations and beliefs concerning future events. Forward looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of Sovereign, which could cause actual results to differ materially from such statements. There can be no assurance that forward-looking statements will prove to be correct. Sovereign makes no undertaking to subsequently update or revise the forward-looking statements made in this release, to reflect the circumstances or events after the date of that release.

Appendix 1

Table A. Lifidzi hand auger drill-hole information

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0108	609845	8402491	1317	7	360	-90
LFHA0109	609859	8402497	1309	6	360	-90
LFHA0110	609762	8402493	1309	7	360	-90
LFHA0111	609175	8402492	1300	3	360	-90
LFHA0112	609198	8402489	1302	3	360	-90
LFHA0113	609217	8402491	1304	3	360	-90
LFHA0114	609158	8402491	1305	3	360	-90
LFHA0115	609139	8402491	1304	3	360	-90
LFHA0116	610224	8402500	1304	6	360	-90
LFHA0117	610243	8402499	1304	5	360	-90
LFHA0118	610265	8402505	1300	3	360	-90
LFHA0119	610205	8402504	1305	8	360	-90
LFHA0120	610186	8402504	1304	7	360	-90
LFHA0121	604496	8417502	1228	9	360	-90
LFHA0122	604522	8417495	1224	9	360	-90
LFHA0123	604539	8417494	1222	8	360	-90
LFHA0124	604480	8417501	1223	8	360	-90
LFHA0125	604460	8417500	1222	7	360	-90
LFHA0126	609857	8418955	1228	9	360	-90
LFHA0127	609837	8418955	1228	8	360	-90
LFHA0128	609897	8418955	1231	8	360	-90
LFHA0129	609917	8418955	1228	9	360	-90
LFHA0130	609817	8418955	1230	7	360	-90
LFHA0131	609797	8418955	1225	8	360	-90
LFHA0132	609777	8418955	1227	7	360	-90
LFHA0133	609937	8418955	1230	6	360	-90
LFHA0134	609957	8418955	1233	6	360	-90
LFHA0135	609740	8417500	1233	4	360	-90
LFHA0136	609760	8417500	1232	5	360	-90
LFHA0137	609780	8417500	1229	5	360	-90
LFHA0138	609720	8417500	1226	5	360	-90
LFHA0139	609700	8417500	1228	4	360	-90
LFHA0140	609880	8417500	1232	3	360	-90
LFHA0141	609860	8417500	1231	5	360	-90
LFHA0142	609900	8417500	1231	5	360	-90
LFHA0143	610180	8417500	1239	6	360	-90
LFHA0144	610200	8417500	1237	5	360	-90
LFHA0145	610160	8417500	1237	6	360	-90
LFHA0146	610220	8417500	1238	8	360	-90
LFHA0147	610140	8417500	1239	5	360	-90
LFHA0148	611475	8417500	1239	7	360	-90
LFHA0149	611495	8417500	1239	7	360	-90
LFHA0150	611456	8417501	1233	7	360	-90
LFHA0151	611514	8417500	1235	5	360	-90
LFHA0152	611436	8417500	1239	1	360	-90
LFHA0153	611725	8417500	1232	7	360	-90
LFHA0154	611704	8417499	1223	7	360	-90
LFHA0155	611745	8417499	1223	7	360	-90
LFHA0156	611765	8417500	1222	6	360	-90
LFHA0157	611685	8417500	1223	7	360	-90
LFHA0158	599100	8424994	1186	10	360	-90
LFHA0159	599122	8424995	1186	9	360	-90
LFHA0160	599141	8424998	1189	7	360	-90
LFHA0161	599080	8424996	1187	10	360	-90
LFHA0162	599059	8424997	1187	4	360	-90
LFHA0163	599160	8425000	1194	9	360	-90
LFHA0164	599276	8424998	1194	9	360	-90
LFHA0165	599296	8424998	1196	8	360	-90
LFHA0166	599314	8424997	1196	6	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0167	599254	8424997	1194	2	360	-90
LFHA0168	599235	8425000	1191	5	360	-90
LFHA0169	600028	8424994	1193	9	360	-90
LFHA0170	600009	8424994	1193	9	360	-90
LFHA0171	599987	8424999	1189	8	360	-90
LFHA0172	600047	8424995	1194	9	360	-90
LFHA0173	600066	8424997	1197	9	360	-90
LFHA0174	599966	8424998	1195	10	360	-90
LFHA0175	599944	8425002	1191	8	360	-90
LFHA0176	600200	8425000	0	10	360	-90
LFHA0177	600182	8424999	1192	8	360	-90
LFHA0178	600160	8425000	0	10	360	-90
LFHA0179	600220	8425000	0	10	360	-90
LFHA0180	600240	8425000	0	10	360	-90
LFHA0181	600450	8425000	0	10	360	-90
LFHA0182	600430	8425000	0	10	360	-90
LFHA0183	600410	8425000	0	10	360	-90
LFHA0184	600470	8425000	0	10	360	-90
LFHA0185	600490	8425000	0	10	360	-90
LFHA0186	609275	8418700	1211	4	360	-90
LFHA0187	609255	8418700	1219	4	360	-90
LFHA0188	609234	8418700	1219	4	360	-90
LFHA0189	609296	8418699	1219	5	360	-90
LFHA0190	609316	8418700	1217	6	360	-90
LFHA0191	610026	8418700	1223	8	360	-90
LFHA0192	610005	8418700	1226	8	360	-90
LFHA0193	609985	8418700	1227	5	360	-90
LFHA0194	610046	8418700	1230	5	360	-90
LFHA0195	610066	8418700	1231	2	360	-90
LFHA0196	610250	8418300	1240	10	360	-90
LFHA0197	610230	8418300	1237	10	360	-90
LFHA0198	610270	8418300	1237	10	360	-90
LFHA0199	610210	8418300	1235	10	360	-90
LFHA0200	610290	8418300	1237	10	360	-90
LFHA0201	610350	8418300	1240	10	360	-90
LFHA0202	610370	8418301	1237	10	360	-90
LFHA0203	610389	8418300	1240	10	360	-90
LFHA0204	610330	8418300	1240	10	360	-90
LFHA0205	610310	8418300	1240	10	360	-90
LFHA0206	609900	8418300	1228	9	360	-90
LFHA0207	609881	8418299	1229	8	360	-90
LFHA0208	609860	8418300	1229	8	360	-90
LFHA0209	609920	8418301	1230	7	360	-90
LFHA0210	609840	8418301	1228	8	360	-90
LFHA0211	609653	8419100	1215	9	360	-90
LFHA0212	609633	8419100	1215	7	360	-90
LFHA0213	609672	8419101	1215	7	360	-90
LFHA0214	609613	8419100	1213	5	360	-90
LFHA0215	609692	8419100	1216	7	360	-90
LFHA0216	609902	8419097	1224	7	360	-90
LFHA0217	609882	8419100	1225	8	360	-90
LFHA0218	609862	8419100	1224	7	360	-90
LFHA0219	609922	8419099	1224	6	360	-90
LFHA0220	609942	8419100	1224	6	360	-90
LFHA0221	609178	8419099	1221	6	360	-90
LFHA0222	609156	8419099	1222	3	360	-90
LFHA0223	609137	8419099	1223	3	360	-90
LFHA0224	609196	8419098	1222	3	360	-90
LFHA0225	609217	8419099	1221	4	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0226	610400	8417900	1247	9	360	-90
LFHA0227	610420	8417900	1248	9	360	-90
LFHA0228	610440	8417900	1247	8	360	-90
LFHA0229	610380	8417900	1246	7	360	-90
LFHA0230	610359	8417900	1245	7	360	-90
LFHA0231	614621	8417901	1234	4	360	-90
LFHA0232	614641	8417899	1234	4	360	-90
LFHA0233	614662	8417903	1235	3	360	-90
LFHA0234	614603	8417901	1231	4	360	-90
LFHA0235	614580	8417901	1231	3	360	-90
LFHA0236	614684	8417900	1234	3	360	-90
LFHA0237	610374	8416702	1250	6	360	-90
LFHA0238	610396	8416698	1249	7	360	-90
LFHA0239	610415	8416696	1248	9	360	-90
LFHA0240	610357	8416699	1252	4	360	-90
LFHA0241	610338	8416700	1248	8	360	-90
LFHA0242	610433	8416701	1251	9	360	-90
LFHA0243	610456	8416702	1254	10	360	-90
LFHA0244	610479	8416701	1258	10	360	-90
LFHA0245	609101	8419503	1222	10	360	-90
LFHA0246	609122	8419499	1221	6	360	-90
LFHA0247	609140	8419497	1221	4	360	-90
LFHA0248	609079	8419503	1222	6	360	-90
LFHA0249	609061	8419503	1218	6	360	-90
LFHA0250	609160	8419500	1219	5	360	-90
LFHA0251	609301	8419497	1223	6	360	-90
LFHA0252	609322	8419495	1221	6	360	-90
LFHA0253	609343	8419498	1220	7	360	-90
LFHA0254	609280	8419497	1220	8	360	-90
LFHA0255	609263	8419492	1221	6	360	-90
LFHA0256	609360	8419500	1217	4	360	-90
LFHA0257	609384	8419501	1211	4	360	-90
LFHA0258	609714	8419101	1219	7	360	-90
LFHA0259	609733	8419100	1217	7	360	-90
LFHA0260	609752	8419100	1221	7	360	-90
LFHA0261	609772	8419100	1221	9	360	-90
LFHA0262	609795	8419100	1220	11	360	-90
LFHA0263	609813	8419101	1219	11	360	-90
LFHA0264	611100	8419500	1225	8	360	-90
LFHA0265	611080	8419500	1225	7	360	-90
LFHA0266	611062	8419499	1223	8	360	-90
LFHA0267	611121	8419500	1226	8	360	-90
LFHA0268	611141	8419500	1226	8	360	-90
LFHA0269	610800	8419500	1222	7	360	-90
LFHA0270	610820	8419501	1226	7	360	-90
LFHA0271	610840	8419501	1226	6	360	-90
LFHA0272	610780	8419500	1228	5	360	-90
LFHA0273	611676	8419500	1239	7	360	-90
LFHA0274	611655	8419500	1240	7	360	-90
LFHA0275	611634	8419500	1241	7	360	-90
LFHA0276	611695	8419500	1241	7	360	-90
LFHA0277	611716	8419500	1242	7	360	-90
LFHA0278	615051	8419500	1236	7	360	-90
LFHA0279	615030	8419500	1236	6	360	-90
LFHA0280	615069	8419499	1236	6	360	-90
LFHA0281	614450	8419500	1235	8	360	-90
LFHA0282	614469	8419496	1243	8	360	-90
LFHA0283	614491	8419497	1243	8	360	-90
LFHA0284	614431	8419495	1241	10	360	-90
LFHA0285	614412	8419493	1239	8	360	-90
LFHA0286	613851	8419500	1218	5	360	-90
LFHA0287	613870	8419500	1214	7	360	-90
LFHA0288	613890	8419500	1219	6	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0289	613830	8419500	1218	4	360	-90
LFHA0290	613811	8419500	1216	5	360	-90
LFHA0291	613911	8419500	1219	5	360	-90
LFHA0292	614425	8418299	1236	5	360	-90
LFHA0293	614444	8418299	1236	10	360	-90
LFHA0294	614405	8418300	1235	4	360	-90
LFHA0295	614385	8418299	1235	6	360	-90
LFHA0296	614465	8418300	1236	6	360	-90
LFHA0297	614485	8418300	1237	6	360	-90
LFHA0298	614598	8418300	1246	7	360	-90
LFHA0299	614621	8418300	1247	7	360	-90
LFHA0300	614639	8418297	1246	6	360	-90
LFHA0301	614664	8418300	1247	5	360	-90
LFHA0302	614581	8418299	1240	7	360	-90
LFHA0303	614560	8418300	1240	7	360	-90
LFHA0304	614750	8418300	1252	7	360	-90
LFHA0305	614730	8418300	1244	7	360	-90
LFHA0306	614709	8418300	1243	7	360	-90
LFHA0307	614769	8418301	1244	7	360	-90
LFHA0308	614789	8418299	1244	7	360	-90
LFHA0309	614692	8418298	1246	7	360	-90
LFHA0310	615201	8417097	1261	10	360	-90
LFHA0311	615223	8417098	1261	8	360	-90
LFHA0312	615242	8417098	1261	7	360	-90
LFHA0313	615178	8417098	1259	10	360	-90
LFHA0314	615159	8417097	1259	10	360	-90
LFHA0315	614977	8418297	1244	7	360	-90
LFHA0316	614958	8418296	1243	7	360	-90
LFHA0317	614937	8418298	1242	7	360	-90
LFHA0318	614997	8418299	1243	7	360	-90
LFHA0319	615018	8418301	1242	7	360	-90
LFHA0320	614976	8417096	1245	7	360	-90
LFHA0321	614957	8417096	1245	7	360	-90
LFHA0322	614935	8417097	1245	7	360	-90
LFHA0323	614996	8417097	1246	9	360	-90
LFHA0324	615017	8417098	1247	8	360	-90
LFHA0325	614675	8417098	1244	8	360	-90
LFHA0326	614654	8417096	1246	8	360	-90
LFHA0327	614634	8417097	1244	8	360	-90
LFHA0328	614697	8417096	1244	8	360	-90
LFHA0329	614713	8417098	1245	8	360	-90
LFHA0330	614432	8417100	1232	8	360	-90
LFHA0331	614449	8417098	1233	8	360	-90
LFHA0332	614469	8417099	1235	8	360	-90
LFHA0333	614407	8417098	1236	8	360	-90
LFHA0334	614391	8417101	1239	8	360	-90
LFHA0335	614930	8416700	1244	8	360	-90
LFHA0336	614945	8416699	1254	8	360	-90
LFHA0337	614965	8416700	1255	8	360	-90
LFHA0338	614905	8416700	1249	8	360	-90
LFHA0339	614885	8416700	1251	8	360	-90
LFHA0340	615050	8417500	1248	8	360	-90
LFHA0341	615071	8417500	1249	9	360	-90
LFHA0342	615090	8417499	1250	7	360	-90
LFHA0343	615031	8417500	1254	8	360	-90
LFHA0344	615010	8417500	1254	8	360	-90
LFHA0345	614985	8416699	1247	8	360	-90
LFHA0346	615005	8416700	1247	8	360	-90
LFHA0347	615350	8417500	1259	8	360	-90
LFHA0348	615370	8417500	1259	7	360	-90
LFHA0349	615390	8417500	1259	7	360	-90
LFHA0350	615330	8417500	1258	7	360	-90
LFHA0351	615310	8417500	1258	8	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0352	615150	8416700	1261	6	360	-90
LFHA0353	615170	8416700	1266	9	360	-90
LFHA0354	615190	8416700	1267	6	360	-90
LFHA0355	615130	8416700	1267	8	360	-90
LFHA0356	615110	8416700	1267	8	360	-90
LFHA0357	614926	8417898	1245	3	360	-90
LFHA0358	614944	8417897	1246	3	360	-90
LFHA0359	614966	8417898	1246	3	360	-90
LFHA0360	614908	8417897	1245	3	360	-90
LFHA0361	614886	8417900	1245	3	360	-90
LFHA0362	615051	8417896	1243	4	360	-90
LFHA0363	615071	8417898	1243	3	360	-90
LFHA0364	615092	8417897	1244	3	360	-90
LFHA0365	615029	8417898	1242	3	360	-90
LFHA0366	615011	8417899	1243	3	360	-90
LFHA0367	615226	8417896	1249	3	360	-90
LFHA0368	615247	8417897	1249	3	360	-90
LFHA0369	615268	8417896	1250	3	360	-90
LFHA0370	615206	8417899	1249	3	360	-90
LFHA0371	615188	8417897	1249	3	360	-90
LFHA0372	614078	8417896	1239	7	360	-90
LFHA0373	614098	8417896	1238	7	360	-90
LFHA0374	614119	8417897	1238	7	360	-90
LFHA0375	614057	8417897	1238	7	360	-90
LFHA0376	614035	8417896	1238	6	360	-90
LFHA0377	613800	8416699	1238	6	360	-90
LFHA0378	613823	8416695	1239	3	360	-90
LFHA0379	613844	8416696	1240	4	360	-90
LFHA0380	613784	8416696	1238	3	360	-90
LFHA0381	613765	8416697	1238	5	360	-90
LFHA0382	613741	8416697	1238	4	360	-90
LFHA0383	613862	8416698	1240	3	360	-90
LFHA0384	613053	8416698	1231	6	360	-90
LFHA0385	613071	8416699	1230	6	360	-90
LFHA0386	613092	8416697	1230	3	360	-90
LFHA0387	613030	8416696	1231	6	360	-90
LFHA0388	613011	8416695	1231	4	360	-90
LFHA0389	612075	8416700	1174	4	360	-90
LFHA0390	612096	8416701	1195	4	360	-90
LFHA0391	612115	8416701	1200	6	360	-90
LFHA0392	612055	8416701	1211	3	360	-90
LFHA0393	612035	8416701	1212	3	360	-90
LFHA0394	611525	8417900	1225	3	360	-90
LFHA0395	611545	8417900	1227	2	360	-90
LFHA0396	611565	8417900	1227	2	360	-90
LFHA0397	611511	8417900	1242	7	360	-90
LFHA0398	611485	8417900	1242	3	360	-90
LFHA0399	611100	8417900	1241	7	360	-90
LFHA0400	611080	8417900	1249	7	360	-90
LFHA0401	611060	8417900	1250	7	360	-90
LFHA0402	611121	8417900	1244	7	360	-90
LFHA0403	611140	8417900	1244	7	360	-90
LFHA0404	611775	8417900	1235	7	360	-90
LFHA0405	611755	8417900	1236	7	360	-90
LFHA0406	611735	8417900	1229	5	360	-90
LFHA0407	611795	8417900	1227	5	360	-90
LFHA0408	611815	8417900	1227	1	360	-90
LFHA0409	611875	8417900	1225	5	360	-90
LFHA0410	611895	8417900	1224	6	360	-90
LFHA0411	611915	8417900	1224	5	360	-90
LFHA0412	611855	8417900	1225	6	360	-90
LFHA0413	611835	8417900	1226	1	360	-90
LFHA0414	610375	8419100	1223	6	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0415	610395	8419100	1225	7	360	-90
LFHA0416	610415	8419100	1226	7	360	-90
LFHA0417	610355	8419100	1226	7	360	-90
LFHA0418	610335	8419100	1226	7	360	-90
LFHA0419	614615	8417100	1245	7	360	-90
LFHA0420	614595	8417100	1242	7	360	-90
LFHA0421	614735	8417099	1253	7	360	-90
LFHA0422	614756	8417100	1254	7	360	-90
LFHA0423	615166	8417901	1241	4	360	-90
LFHA0424	615143	8417896	1239	3	360	-90
LFHA0425	601377	8410001	1208	7	360	-90
LFHA0426	601396	8410000	1207	7	360	-90
LFHA0427	601415	8410001	1207	7	360	-90
LFHA0428	601357	8410000	1207	10	360	-90
LFHA0429	601336	8409999	1206	7	360	-90
LFHA0430	602176	8410001	1220	7	360	-90
LFHA0431	602194	8409999	1221	7	360	-90
LFHA0432	602219	8410002	1222	7	360	-90
LFHA0433	602156	8409996	1220	7	360	-90
LFHA0434	602134	8410002	1220	7	360	-90
LFHA0435	601076	8417502	1201	3	360	-90
LFHA0436	601096	8417496	1201	4	360	-90
LFHA0437	601117	8417501	1200	2	360	-90
LFHA0438	601056	8417499	1204	2	360	-90
LFHA0439	601036	8417495	1202	10	360	-90
LFHA0440	600686	8417501	1191	9	360	-90
LFHA0441	600704	8417500	1189	10	360	-90
LFHA0442	600728	8417502	1189	10	360	-90
LFHA0443	600817	8417501	1190	10	360	-90
LFHA0444	600793	8417501	1190	10	360	-90
LFHA0445	601166	8417501	1200	4	360	-90
LFHA0446	601147	8417501	1201	1	360	-90
LFHA0447	600726	8417098	1205	10	360	-90
LFHA0448	600744	8417097	1207	10	360	-90
LFHA0449	600723	8417100	1204	10	360	-90
LFHA0450	600707	8417101	1203	10	360	-90
LFHA0451	600685	8417100	1203	8	360	-90
LFHA0452	600950	8417100	1208	9	360	-90
LFHA0453	600970	8417100	1217	10	360	-90
LFHA0454	600991	8417100	1217	9	360	-90
LFHA0455	600930	8417100	1210	9	360	-90
LFHA0456	600910	8417100	1211	10	360	-90
LFHA0457	601300	8417100	1204	8	360	-90
LFHA0458	601319	8417100	1203	7	360	-90
LFHA0459	601339	8417100	1203	7	360	-90
LFHA0460	601280	8417100	1204	8	360	-90
LFHA0461	601260	8417100	1204	8	360	-90
LFHA0462	600525	8417900	1187	6	360	-90
LFHA0463	600505	8417900	1187	6	360	-90
LFHA0464	600485	8417900	1188	6	360	-90
LFHA0465	600545	8417900	1189	6	360	-90
LFHA0466	600565	8417900	1189	5	360	-90
LFHA0467	600801	8417900	1184	1	360	-90
LFHA0468	600820	8417900	1188	3	360	-90
LFHA0469	600840	8417900	1189	1	360	-90
LFHA0470	600780	8417900	1188	1	360	-90
LFHA0471	600760	8417900	1187	1	360	-90
LFHA0472	601200	8417900	1197	6	360	-90
LFHA0473	601178	8417900	1198	6	360	-90
LFHA0474	601219	8417900	1198	7	360	-90
LFHA0475	601239	8417900	1201	5	360	-90
LFHA0476	600800	8416700	1208	9	360	-90
LFHA0477	600780	8416700	1209	9	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0478	600760	8416700	1209	9	360	-90
LFHA0479	600820	8416700	1214	9	360	-90
LFHA0480	600840	8416700	1217	8	360	-90
LFHA0481	601049	8416700	1213	8	360	-90
LFHA0482	601074	8416697	1216	10	360	-90
LFHA0483	601098	8416697	1216	10	360	-90
LFHA0484	601026	8416697	1216	10	360	-90
LFHA0485	601006	8416700	1218	10	360	-90
LFHA0486	601502	8416697	1118	10	360	-90
LFHA0487	601485	8416697	1126	10	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
LFHA0488	601465	8416697	1128	10	360	-90
LFHA0489	601523	8416697	1130	7	360	-90
LFHA0490	601542	8416700	1130	10	360	-90
LFHA0491	600953	8416299	1222	10	360	-90
LFHA0492	600933	8416301	1221	10	360	-90
LFHA0493	600909	8416301	1221	10	360	-90
LFHA0494	600968	8416299	1219	6	360	-90
LFHA0495	600993	8416299	1218	7	360	-90
LFHA0496	600893	8416298	1226	8	360	-90

Table B. Malingunde hand auger drill-hole information

HoleID	East	North	RL	Depth	Azimuth	Dip
MGHA0001	574951	8429598	1140	1	360	-90
MGHA0002	574972	8429595	1139	4	360	-90
MGHA0003	574990	8429597	1138	2	360	-90
MGHA0004	574933	8429595	1141	1	360	-90
MGHA0005	574911	8429595	1141	2	360	-90
MGHA0006	571151	8435999	1146	3	360	-90
MGHA0007	571131	8435998	1144	3	360	-90
MGHA0008	571170	8436000	1150	5	360	-90
MGHA0009	571190	8436000	1148	5	360	-90
MGHA0010	571110	8436000	1149	3	360	-90
MGHA0011	567425	8433600	1145	3	360	-90
MGHA0012	567405	8433600	1143	3	360	-90
MGHA0013	567385	8433600	1143	4	360	-90
MGHA0014	567445	8433600	1151	3	360	-90
MGHA0015	567465	8433600	1151	3	360	-90
MGHA0016	566175	8433600	1138	6	360	-90
MGHA0017	566196	8433600	1138	6	360	-90
MGHA0018	566155	8433600	1139	5	360	-90
MGHA0019	566215	8433600	1137	6	360	-90
MGHA0020	566235	8433600	1142	6	360	-90
MGHA0021	566299	8433600	1142	4	360	-90
MGHA0022	566321	8433600	1145	5	360	-90
MGHA0023	566340	8433600	1146	5	360	-90
MGHA0024	566280	8433600	1145	5	360	-90
MGHA0025	566475	8433602	1144	7	360	-90
MGHA0026	566456	8433601	1144	7	360	-90
MGHA0027	566437	8433596	1144	7	360	-90
MGHA0028	566499	8433602	1145	7	360	-90
MGHA0029	566517	8433600	1145	7	360	-90
MGHA0030	565948	8433598	1132	6	360	-90
MGHA0031	565967	8433597	1141	4	360	-90
MGHA0032	565989	8433600	1141	4	360	-90
MGHA0033	565930	8433593	1142	6	360	-90
MGHA0034	565909	8433590	1143	3	360	-90
MGHA0035	574949	8429684	1149	7	360	-90
MGHA0036	574970	8429680	1136	7	360	-90
MGHA0037	574930	8429680	1137	1	360	-90
MGPT0001	574970	8429597	1142	3	360	-90
MGHA0038	574990	8429680	1142	8	360	-90
MGHA0039	565725	8433600	1151	7	360	-90
MGHA0040	565745	8433600	1150	5	360	-90
MGHA0041	565705	8433600	1152	1	360	-90
MGHA0042	565685	8433600	1153	1	360	-90
MGHA0043	565500	8433600	1158	2	360	-90
MGHA0044	565480	8433600	1158	1	360	-90
MGHA0045	565520	8433600	1157	2	360	-90
MGHA0046	566400	8433600	1140	7	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
MGHA0047	566420	8433600	1141	8	360	-90
MGHA0048	566380	8433600	1140	7	360	-90
MGHA0049	566359	8433600	1145	8	360	-90
MGHA0050	567300	8433600	1134	2	360	-90
MGHA0051	567279	8433600	1135	4	360	-90
MGHA0052	567320	8433600	1136	5	360	-90
MGHA0053	567259	8433600	1138	6	360	-90
MGHA0054	571127	8428800	1178	8	360	-90
MGHA0055	571144	8428799	1176	6	360	-90
MGHA0056	571166	8428798	1175	2	360	-90
MGHA0057	571107	8428801	1175	2	360	-90
MGHA0058	571087	8428802	1175	1	360	-90
MGHA0059	570924	8428797	1175	9	360	-90
MGHA0060	570943	8428796	1176	7	360	-90
MGHA0061	570966	8428800	1175	7	360	-90
MGHA0062	570904	8428800	1175	10	360	-90
MGHA0063	570888	8428797	1175	10	360	-90
MGHA0064	575751	8429604	1120	6	360	-90
MGHA0065	575771	8429600	1119	10	360	-90
MGHA0066	575789	8429601	1119	8	360	-90
MGHA0067	575711	8429597	1121	3	360	-90
MGHA0068	575450	8429600	1120	5	360	-90
MGHA0069	575470	8429600	1121	10	360	-90
MGHA0070	575429	8429600	1125	2	360	-90
MGHA0071	575410	8429600	1123	8	360	-90
MGHA0072	575490	8429600	1124	8	360	-90
MGHA0073	575390	8429600	1128	10	360	-90
MGHA0074	574749	8429600	1134	10	360	-90
MGHA0075	574770	8429600	1134	9	360	-90
MGHA0076	574790	8429600	1134	2	360	-90
MGHA0077	574730	8429600	1135	10	360	-90
MGHA0078	574710	8429600	1136	10	360	-90
MGHA0079	570875	8436000	1141	6	360	-90
MGHA0080	570855	8436000	1142	10	360	-90
MGHA0081	570895	8436000	1141	7	360	-90
MGHA0082	570915	8436000	1140	9	360	-90
MGHA0083	570835	8436000	1144	10	360	-90
MGHA0084	570401	8436000	1145	10	360	-90
MGHA0085	570421	8436000	1144	10	360	-90
MGHA0086	570442	8436000	1145	5	360	-90
MGHA0087	570380	8436001	1145	10	360	-90
MGHA0088	570361	8436001	1146	10	360	-90
MGHA0089	571526	8436001	1132	10	360	-90
MGHA0090	571546	8436001	1126	10	360	-90
MGHA0091	571565	8435999	1125	8	360	-90
MGHA0092	571504	8435999	1125	10	360	-90
MGHA0093	571485	8435999	1126	9	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
MGHA0094	571800	8436000	1128	10	360	-90
MGHA0095	571820	8436003	1133	9	360	-90
MGHA0096	571840	8436000	1133	10	360	-90
MGHA0097	571780	8436000	1135	8	360	-90
MGHA0098	571760	8436000	1135	10	360	-90
MGHA0099	571860	8436000	1134	10	360	-90
MGHA0100	571910	8436000	1133	10	360	-90
MGHA0101	571960	8436000	1134	10	360	-90
MGHA0102	571741	8436000	1137	10	360	-90
MGHA0103	572008	8435998	1132	10	360	-90
MGHA0104	571978	8435999	1134	10	360	-90
MGHA0105	571580	8436004	1135	4	360	-90
MGHA0106	571600	8436004	1127	5	360	-90
MGHA0107	571127	8428761	1174	7	360	-90
MGHA0108	571148	8428768	1172	10	360	-90
MGHA0109	571168	8428773	1173	9	360	-90
MGHA0110	571108	8428756	1173	7	360	-90
MGHA0111	571186	8428779	1173	9	360	-90
MGHA0112	571205	8428786	1172	8	360	-90
MGHA0113	565504	8433650	1155	2	360	-90
MGHA0114	565520	8433655	1158	1	360	-90
MGHA0115	565539	8433666	1154	1	360	-90
MGHA0116	565558	8433676	1153	2	360	-90
MGHA0117	565578	8433683	1153	7	360	-90
MGHA0118	565482	8433642	1157	2	360	-90
MGHA0119	565461	8433635	1158	1	360	-90
MGHA0120	565442	8433627	1159	2	360	-90
MGHA0121	565423	8433622	1161	10	360	-90
MGHA0122	565405	8433615	1162	2	360	-90
MGHA0123	571600	8436400	1047	10	360	-90
MGHA0124	571640	8436400	1144	9	360	-90
MGHA0125	571680	8436400	1144	12	360	-90
MGHA0126	571720	8436400	1145	12	360	-90
MGHA0127	571700	8436403	1144	7	360	-90
MGHA0128	571660	8436400	1143	12	360	-90
MGHA0129	571745	8436398	1144	12	360	-90
MGHA0130	571758	8436402	1145	11	360	-90
MGHA0131	571798	8436400	1144	9	360	-90
MGHA0132	571842	8436402	1144	12	360	-90
MGHA0133	571885	8436400	1145	12	360	-90
MGHA0134	571923	8436399	1145	10	360	-90
MGHA0135	571964	8436399	1145	10	360	-90
MGHA0136	572001	8436399	1142	10	360	-90
MGHA0137	572040	8436401	1143	12	360	-90
MGHA0138	572079	8436400	1142	12	360	-90
MGHA0139	571886	8436005	1131	12	360	-90
MGHA0140	571936	8436000	1132	12	360	-90
MGHA0141	572120	8436400	1140	10	360	-90
MGHA0142	571501	8435600	1120	2	360	-90
MGHA0143	571541	8435600	1120	10	360	-90
MGHA0144	571580	8435600	1119	10	360	-90
MGHA0145	571620	8435600	1117	10	360	-90
MGHA0146	571661	8435602	1121	8	360	-90
MGHA0147	571700	8435600	1115	9	360	-90

HoleID	East	North	RL	Depth	Azimuth	Dip
MGHA0148	571740	8435600	1117	7	360	-90
MGHA0149	571780	8435601	1116	10	360	-90
MGHA0150	571820	8435600	1117	10	360	-90
MGHA0151	571860	8435600	1117	7	360	-90
MGHA0152	571900	8435600	1119	7	360	-90
MGHA0153	572787	8435000	1125	10	360	-90
MGHA0154	571943	8435603	1120	10	360	-90
MGHA0155	571981	8435604	1120	10	360	-90
MGHA0156	572003	8435598	1121	12	360	-90
MGHA0157	572024	8435604	1123	10	360	-90
MGHA0158	572040	8435600	1123	10	360	-90
MGHA0159	572061	8435600	1125	11	360	-90
MGHA0160	572080	8435601	1125	11	360	-90
MGHA0161	572244	8435597	1126	12	360	-90
MGHA0162	572263	8435599	1126	10	360	-90
MGHA0163	572284	8435598	1126	12	360	-90
MGHA0164	572301	8435603	1127	12	360	-90
MGHA0165	572318	8435599	1126	12	360	-90
MGHA0166	572342	8435598	1127	12	360	-90
MGHA0167	572362	8435598	1126	12	360	-90
MGHA0168	572385	8435597	1127	12	360	-90
MGHA0169	572402	8435597	1126	12	360	-90
MGHA0170	572421	8435597	1125	12	360	-90
MGHA0171	572440	8435597	1125	12	360	-90
MGHA0172	572480	8435599	1125	10	360	-90
MGHA0173	572518	8435597	1124	10	360	-90
MGHA0174	572810	8435000	1101	7	360	-90
MGHA0175	572767	8435000	1103	6	360	-90
MGHA0176	572748	8435000	1104	4	360	-90
MGHA0177	572728	8435002	1105	9	360	-90
MGHA0178	572709	8435003	1105	10	360	-90
MGHA0179	572668	8435002	1106	8	360	-90
MGHA0180	572648	8435001	1102	11	360	-90
MGHA0181	572628	8435000	1102	10	360	-90
MGHA0182	572608	8435000	1101	8	360	-90
MGHA0183	572588	8435000	1101	10	360	-90
MGHA0184	572548	8435001	1100	7	360	-90
MGHA0185	572508	8435000	1098	5	360	-90
MGHA0186	572468	8435000	1097	6	360	-90
MGHA0187	572828	8435001	1096	10	360	-90
MGHA0188	572847	8435000	1096	10	360	-90
MGHA0189	572867	8435000	1096	12	360	-90
MGHA0190	572888	8435000	1097	10	360	-90
MGHA0191	572908	8434999	1098	10	360	-90
MGHA0192	572950	8435000	1101	10	360	-90
MGHA0193	572928	8435000	1102	10	360	-90
MGHA0194	572968	8435000	1109	12	360	-90
MGHA0195	572987	8435000	1110	12	360	-90
MGHA0196	573008	8435000	1111	10	360	-90
MGHA0197	572489	8435000	1102	7	360	-90

Appendix 2: JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Hand Auger Drilling Commentary
Sampling Techniques	*Nature and quality of sampling (e.g. 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.*	Hand augers of 62mm diameter was employed to generate samples with geologically determined sample intervals, which were composited and riffle split through a 50/50 splitter to form analysis samples.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Duplicate samples were taken on average every 20th sample to provide checks on sample representivity.
	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 (e.g. '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 (e.g. submarine nodules) may warrant disclosure of detailed information.	Weathering and lithological information logged from 1m auger samples is used to define sample intervals for each individual hole. Position in the weathering profile is the main control on sample intervals, with the upper weathering profile (soil, laterite and ferruginous pedolith) being deemed to be less representative than the lower weathering profile able to be drilled with auger, such as the mottled and saprolite zones. Once the whole metre assay sample intervals are determined, the 1m auger samples are composited and split to reduce shipping weight. Samples are awaiting shipment to the assay laboratory.
Drilling Techniques	*Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).*	62mm auger bits are used with 1m long steel rods. Each 1m of sample is collected into separate bulk sample bags and set aside. The auger bits are cleaned between metres to eliminate contamination.
Drill Sample Recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	Samples are assessed visually for recoveries. Overall, recovery is very good.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	The company's trained geologists oversee augering on a 1 team : 1 geologist basis and are responsible for ensuring due care is taken to gather representative 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.	Not applicable – no assays are reported.
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.*	All 1m auger intervals are geologically logged, recording relevant data to a set template using company codes. A small representative sample is kept of each 1m interval in an appropriately labelled chip tray for future reference.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	All logging included lithological features, and estimates of mineralisation percentages and flake characteristics.
	The total length and percentage of the relevant intersection logged	100% of samples are geologically logged.
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	Not applicable – not core drilling
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	1m samples are composited on geological intervals and then riffle split 1:2 through a 50/50 splitter to form analysis samples. Wet samples are dried and broken up using a mortar and pestle prior to compositing or splitting.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Not applicable – no assays are reported.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Field QC procedures involve the use of certified reference material assay standards, blanks, duplicates, replicates for company QC measures, and laboratory standards, replicate assaying and barren washes for laboratory QC measures. The insertion rate of each of these averaged better than 1:20.
	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.	1:20 field duplicate samples (a second sample split from the same interval) were taken to attempt to quantify the equality. Review of these samples against the original samples showed consistency.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The sample size is considered appropriate for the material sampled. It is believed that grain size has no bearing on the grade of the sampled material.
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.*	Not applicable – no assays are reported.
	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	No non-laboratory devices were used for analysis.

Criteria	JORC Code explanation	Hand Auger Drilling Commentary
	derivation, etc.	
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicate, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	Not applicable – no assays are reported.
Verification of sampling & assaying	*The verification of significant intersections by either independent or alternative company personnel.*	Not applicable – no assays are reported.
	The use of twinned holes.	No auger hole twinning has occurred at this early stage of exploration.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	All data was collected initially on paper logging sheets and codified to the Company's templates. This data was hand entered to spreadsheets and validated by Company geologists. This data was then imported to a Microsoft Access Database then validated automatically and manually.
	Discuss any adjustment to assay data.	Not applicable – no assays are reported.
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 Company's geologists use handheld Garmin GPS units to determine the collar location of the auger holes. Handheld GPS units have inherent error values of 3-10m in the XY plane and up to 10m in the Z plane, however given the early stage of exploration this is deemed acceptable. No downhole surveys are necessary given the drilling techniques employed.
	Specification of the grid system used.	WGS84 UTM Zone 36 South
	Quality and adequacy of topographic control.	At this early stage of exploration no topographic control outside of handheld GPS capabilities is employed.
Data spacing & distribution	*Data spacing for reporting of Exploration Results.*	At this stage of exploration, testing the anomalies to determine their nature and tenor of graphite mineralisation rather than pattern drilling. As such, a single line of 20m spaced auger holes over an anomaly is deemed to be sufficient to intercept any graphite body of mineable width.
	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, no Mineral Resource or Ore Reserve estimations are covered in this release.
	Whether sample compositing has been applied.	No sample compositing has occurred.
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*	No bias attributable to orientation of sampling has been identified due to insufficient information. It is unlikely however that the intervals reported represent true widths of mineralisation.
	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 bias attributable to orientation of sampling upgrading of results has been identified.
Sample security	*The measures taken to ensure sample security*	Samples were stored in secure storage from the time of augering, through gathering and splitting. The samples were sealed as soon as splitting was completed, and again securely stored awaiting shipment.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data*	An audit of the sampling techniques was carried out by an independent, qualified, 3rd party geologist. No material issues were identified. It is considered by the Company that industry best practice methods have been employed at all stages of the exploration.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Lifidzi Hand Auger Drilling Commentary
Mineral tenement & land tenure status	*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 environment settings.*	The Company owns 100% of 3 Exclusive Prospecting Licences (EPLs) in Malawi. EPL0355 granted in 2012 for 3 years, EPL0372 granted in 2013 for 3 years, EPL0413 granted in 2014 for 3 years. All EPLs are renewable for two additional periods of 2 years each upon expiry.
	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.	The tenements are in good standing and no known impediments to exploration or mining exist.
Exploration done by other parties	*Acknowledgement and appraisal of exploration by other parties.*	No other parties were involved in exploration.
Geology	*Deposit type, geological setting and style of mineralisation*	The graphite mineralisation occurs as multiple bands of graphite gneisses, hosted within a broader Proterozoic paragneiss package. In the Lifidzi area specifically, a deep topical weathering profile is preserved, resulting in significant vertical thicknesses from near surface of saprolite-hosted graphite mineralisation.
Drill hole information	*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: easting and northings 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; and hole length*	Refer Tables A & B in Appendix 1. Samples are awaiting shipment to the assay laboratory and accordingly no assays are reported.
	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	Not Applicable, no information has been excluded.
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.*	Not applicable – no assays are reported.
	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.	Not applicable – no assays are reported.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values are used in this report.
Relationship between mineralisation widths & intercept lengths	*These relationships are particularly important in the reporting of Exploration Results.*	At this early stage of exploration the dip and dip direction is unknown at local scale. Information gathered at a regional scale from 100K mapping suggests a broadly N-S strike dipping moderately to steeply to the east and west.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	At this stage of exploration and given the lack of outcrop in the field this relationship is unknown.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known'.	Down-hole length, true width not known.
Diagrams	*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 the drill collar locations and appropriate sectional views.*	See Figures within the main text of this report.
Balanced reporting	*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.*	Not applicable – no assays are reported.
Other substantive exploration data	*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.*	No additional meaningful and material exploration data has been excluded from this report that has not previously been reported to the ASX.
Further work	*The nature and scale of planned further work (e.g. test for lateral extensions or depth extensions or large-scale step-out drilling).*	Additional hand-auger drilling is being undertaken in order to expand areas of known saprolitic graphite mineralisation.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	See Figures within text.

Appendix 3: Summary of Mining Tenements

As at 30 June 2015, the Company had an interest in the following tenements:

Project Name	Permit Number	Percentage Interest	Joint Venture Partner	Status
Malawi				
Central Malawi Graphite Project	EPL 0413	100%	-	Granted
	EPL 0372	100%	-	Granted
	EPL 0355	100%	-	Granted
Queensland, Australia:				
Mt Marathon	EPM 8586	34.40%	Mount Isa Mines	Granted
Mt Avarice	EPM 8588	34.40%	Mount Isa Mines	Granted
Fountain Range	EPM 12561	34.40%	Mount Isa Mines	Granted
Corella River	EPM 12597	34.40%	Mount Isa Mines	Granted
Saint Andrews Extended	EPM 12180	34.40%	Mount Isa Mines	Granted

Beneficial percentage interests in Farm-out agreements disposed during the quarter ending 30 June 2015:

Project Name	Permit Number	Type of change	Interest at beginning of quarter	Interest disposed of during quarter	Interest at end of quarter
Carpentaria JV:					
Mt Marathon	EPM 8586	Farm out	34.67%	0.27%	34.40%
Mt Avarice	EPM 8588	Farm out	34.67%	0.27%	34.40%
Fountain Range	EPM 12561	Farm out	34.67%	0.27%	34.40%
Corella River	EPM 12597	Farm out	34.67%	0.27%	34.40%
Saint Andrews Ext.	EPM 12180	Farm out	34.67%	0.27%	34.40%

Rule 5.3

Appendix 5B

Mining exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10

Name of entity

SOVEREIGN METALS LIMTED

ABN	Quarter ended ("current quarter")
71 120 833 427	30 JUNE 2015

Consolidated statement of cash flows

		Current quarter $A'000	Year to date (12 months) $A'000
Cash flows related to operating activities			
1.1	Receipts from product sales and related debtors	-	-
1.2	Payments for (a) exploration & evaluation	(224)	(2,104)
	(b) development	-	-
	(c) production	-	-
	(d) administration	(141)	(632)
1.3	Dividends received	-	-
1.4	Interest and other items of a similar nature received	5	44
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Other (provide details if material)	-	-
	- Business development	(27)	(71)
	- Project Marketing	(13)	(61)
	Net Operating Cash Flows	(400)	(2,824)
	Cash flows related to investing activities		
1.8	Payment for purchases of: (a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	(9)	(17)
1.9	Proceeds from sale of: (a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	-	-
1.10	Loans to other entities	-	-
1.11	Loans repaid by other entities	-	-
1.12	Other (provide details if material)	-	-
	Net investing cash flows	(9)	(17)
1.13	Total operating and investing cash flows (carried forward)	(409)	(2,841)

+ See chapter 19 for defined terms.

1.13	Total operating and investing cash flows (brought forward)	(409)	(2,841)
	Cash flows related to financing activities		
1.14	Proceeds from issues of shares, options, etc.	890	890
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (provide details if material)		
	- Share issue costs	(14)	(14)
	Net financing cash flows	876	876
	Net increase (decrease) in cash held	**467**	**(1,965)**
1.20	Cash at beginning of quarter/year to date	599	3,031
1.21	Exchange rate adjustments to item 1.20		
1.22	**Cash at end of quarter**	**1,066**	**1,066**

Payments to directors of the entity and associates of the directors
Payments to related entities of the entity and associates of the related entities

		Current quarter $A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	115
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

Payments include director and consulting fees, superannuation and provision of a fully serviced office.

Non-cash financing and investing activities

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

Not Applicable

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

Not Applicable

Financing facilities available

Add notes as necessary for an understanding of the position.

		Amount available $A'000	Amount used $A'000
3.1	Loan facilities	-	-
3.2	Credit standby arrangements	-	-

Estimated cash outflows for next quarter

+ See chapter 19 for defined terms.

		$A'000
4.1	Exploration and evaluation	(200)
4.2	Development	-
4.3	Production	-
4.4	Administration	(170)
	Total	**(370)**

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.		Current quarter $A'000	Previous quarter $A'000
5.1	Cash on hand and at bank	16	19
5.2	Deposits at call	1,050	580
5.3	Bank overdraft	-	-
5.4	Other (provide details)	-	-
	Total: cash at end of quarter (item 1.22)	**1,066**	**599**

Changes in interests in mining tenements

		Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements relinquished, reduced or lapsed	EPM 8586 EPM 8588 EPM 12561 EPM 12597 EPM 12180	Reduction of interest in accordance with terms of joint venture agreement.	34.67%	34.40%
6.2	Interests in mining tenements acquired or increased				

Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

		Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1	**Preference +securities** *(description)*				
7.2	Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3	**+Ordinary securities**	118,670,140	118,670,140	Not applicable	Not applicable
7.4	Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs	14,829,812	14,829,812	$0.06	$0.06
7.5	**+Convertible debt securities** (*description)*				
7.6	Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7	**Options/ Rights**	Options		*Exercise price*	*Expiry date*
	- Unlisted options	250,000	-	$0.22	30 September 2015
	- Unlisted options	1,500,000	-	$0.33	15 May 2016
	- Unlisted options	1,500,000	-	$0.40	15 May 2017
	- Unlisted options	1,500,000	-	$0.47	15 May 2018
		Rights			
	- Perform. Rights	750,000	-	-	31 December 2016
	- Perform. Rights	1,100,000	-	-	31 December 2017
	- Perform. Rights	1,100,000	-	-	31 December 2018
7.8	Issued during quarter				

+ See chapter 19 for defined terms.

7.9	Exercised during quarter				
7.10	Expired during quarter				
7.11	**Performance Shares** - *Class B*	8,750,000	-	Not Applicable	*Conversion date* 7 November 2016
7.12	Changes during quarter				
7.13	**Debentures** *(totals only)*				
7.14	**Unsecured notes** *(totals only)*				

Compliance statement

1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 5).

2 This statement does /~~does not~~* *(delete one)* give a true and fair view of the matters disclosed.

Sign here: ..... Date: 31 July 2015
(~~Director~~/Company secretary)

Print name: Clint McGhie

Notes

1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.

2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.

3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.

4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report.

+ See chapter 19 for defined terms.

5 **Accounting Standards** ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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+ See chapter 19 for defined terms.