SOVEREIGN
METALS LIMITED

15 March 2022

SPECTACULAR RUTILE DRILL RESULTS SEE MINERALISED FOOTPRINT INCREASE BY 28%

- Latest drill results increase the **drill-defined rutile mineralised envelope by 28% to 165km²**
- Kasiya and Nsaru deposits have now coalesced into **the Kasiya-Nsaru rutile deposit** – a single, very large, coherent, high-grade body of near surface rutile and graphite mineralisation
- New drilling has encountered the **highest-grade rutile results** to date at Nsaru and at a new extension east of Kasiya. Highlights include:
  - 11m @ 1.34% inc. 2m @ 3.00% rutile
  - 12m @ 1.27% inc. 3m @ 2.16% rutile
  - 8m @ 1.36% inc. 2m @ 2.66% rutile
  - 7m @ 1.84% inc. 4m @ 2.71% rutile
  - 12m @ 1.46% inc. 4m @ 2.42% rutile
  - 13m @ 1.48% inc. 5m @ 2.23% rutile
- Discovery of numerous extensions and new blocks of mineralisation **expected to add substantially to upcoming Mineral Resource Estimate update**
- Results affirm the **strategic and global significance of Kasiya** as the largest undeveloped natural rutile project in the world and first major rutile discovery in over half a century
- Updated Scoping Study underway focused on incorporating the growing resource base

Sovereign Metals Limited (ASX:SVM; AIM:SVML) (**Sovereign** or **the Company**) is pleased to report results from its H2 2021 drilling program at Kasiya-Nsaru, the Company's flagship, very large, high-grade rutile deposit in Malawi.

The results, including numerous spectacular intercepts, will underpin the pending Mineral Resource Estimate (**MRE**) upgrade which is expected to significantly increase in both the Indicated and Inferred categories.

The most recent core and auger drilling has now expanded the total mineralised envelope to 165km², up 28%. The previous MRE included just 49km² of the mineralised envelope, hence significant resource tonnage growth can be expected.

Sovereign's Managing Director Dr Julian Stephens commented: "*The results of the latest drilling program have surpassed all of our expectations. Not only did we encounter the highest rutile grades to date, but the coalescing of the Kasiya and Nsaru deposits supports our belief that we have the single largest rutile deposit in the world on our hands. We are looking forward to announcing the updated Mineral Resource Estimate in the coming weeks.*"

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KASIYA-NSARU

Sovereign now has a total of ~165km² of drilled, high-grade rutile mineralisation with the latest results succeeding in joining Kasiya and Nsaru into a single deposit (Figure 1).

Rutile mineralisation lies in laterally extensive, near surface, flat "blanket" style bodies in areas where the weathering profile is preserved and not significantly eroded. The Kasiya-Nsaru deposit is expansive with high-grade mineralisation commonly grading 1.2% to 2.0% rutile in the top 3-5m from surface. Moderate grade mineralisation generally grading 0.5% to 1.2% rutile commonly extends from 5m to end of hole where it remains open at depths >10m in numerous areas.

Kasiya-Nsaru is a strategic and globally significant natural rutile deposit with substantial additional resource growth expected. Kasiya's current Mineral Resource Estimate is 605Mt at 0.98% rutile (0.7% cut-off, Indicated + Inferred, Table 1).

The core and auger drilling program at the Kasiya-Nsaru rutile deposit was completed from July to September 2021. This very large and expansive drilling program targeted significant MRE expansion as well as infill core drilling designed to bring known high-grade areas into the Indicated resource category. A total of 712 drill-holes for 6,832m are reported (Figure 4). Of these, 96 were core holes for 999m, and 616 are hand-auger holes for 5,833m.

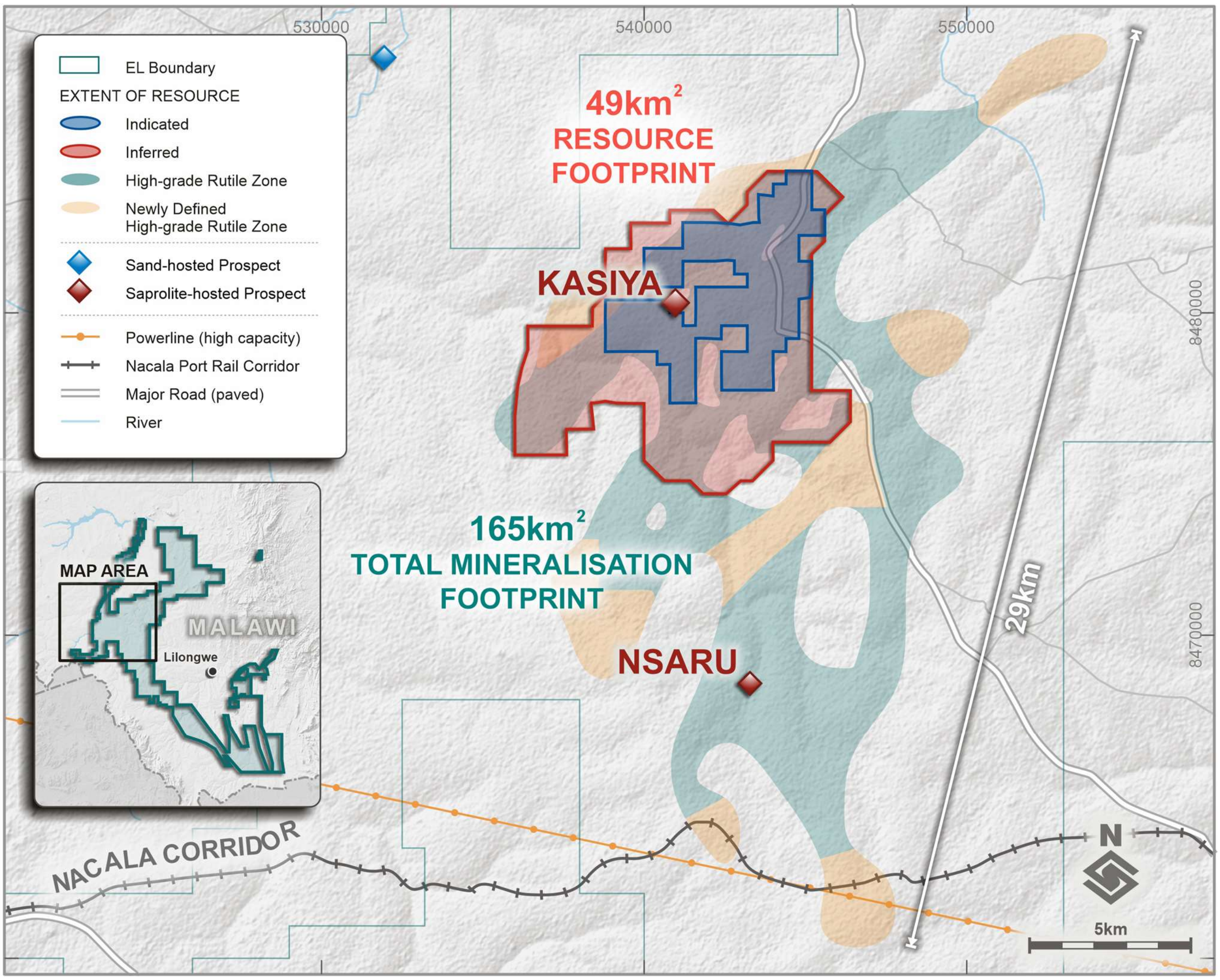

Figure 1: Kasiya-Nsaru drill defined mineralised footprint in relation to the current MRE

SPECTACULAR RESULTS

Results from significant new extensions including the eastern portion of Kasiya as per below, with full results listed in Table 2:

- 11m @ 1.34% inc. 2m @ 3.00% rutile
- 8m @ 1.36% inc. 2m @ 2.66% rutile
- 12m @ 1.46% inc. 3m @ 2.42% rutile
- 12m @ 1.27% inc. 3m @ 2.16% rutile
- 12m @ 1.26% inc. 5m @ 1.67% rutile
- 12m @ 1.34% inc. 5m @ 1.65% rutile

Results from 400m x 400m core and auger resource drilling at the large and high-grade Nsaru deposit including those listed below, with full results listed in Table 2:

- 7m @ 1.84% inc. 4m @ 2.71% rutile
- 12m @ 1.44% inc. 3m @ 2.47% rutile
- 10m @ 1.28% inc. 2m @ 2.36% rutile
- 13m @ 1.48% inc. 5m @ 2.23% rutile
- 10m @ 1.49% inc. 4m @ 2.01% rutile
- 10m @ 1.44% inc. 4m @ 2.01% rutile
- 13m @ 1.29% inc. 4m @ 1.94% rutile
- 12m @ 1.35% inc. 4m @ 1.90% rutile
- 12m @ 1.38% inc. 6m @ 1.83% rutile
- 13m @ 1.35% inc. 4m @ 1.81% rutile
- 11m @ 1.35% inc. 4m @ 1.74% rutile
- 9m @ 1.35% inc. 4m @ 1.71% rutile

Figure 2: DL650 push-tube core drilling rig in operation at Kasiya-Nsaru

DRILLING RESULTS

The Kasiya and Nsaru rutile deposits have now coalesced into one very large, coherent, high-grade zone of near surface rutile and graphite mineralisation believed to be the single largest rutile deposit in the world.

The drilled mineralised footprint has now grown to 165km^2, an increase overall of 28% from previously. Importantly, the drilling has also substantially increased the area of mineralisation drilled at 400 x 400m or greater density and thus it is expected that substantial tonnages will be able to be added in the upcoming MRE, due to be reported in the coming weeks. For reference, the previous MRE covered just 49km^2 of the mineralised footprint.

Numerous new areas have also received drilling at 400 x 400m or greater density and are expected to be able to be incorporated into the upcoming the MRE upgrade.

In many of the high-grade zones identified by drilling rutile mineralisation persists and remains open at depth, at the limit of the current drilling (Figures 5 & 6). It is therefore considered likely that rutile mineralisation should occur down to approximately the base of the saprolite zone, which is estimated to lie at about 25m vertical depth. These deeper zones represent the key targets for the planned 2022 air-core drilling program.

Coarse flake graphite is present in all holes in broad association with rutile mineralisation. Graphite grades average about 1% TGC through the mineralised area.

Figure 3: Mangaging Director, Julian Stephens reviewing hand auger samples at Kasiya during a recent trip to Malawi

CONCLUSION

The significant 2021 H2 drilling program at Kasiya and Nsaru accomplished the following;

- Achieved a substantial 28% increase in the overall mineralised envelope to 165km^2
- Brought a significant portion of the mineralised envelope to 400 x 400m drill spacing or greater density in order to be considered for the upcoming MRE update
- Identified numerous new areas of high-grade rutile mineralisation not previously known or not previously included in the prior MRE

The updated JORC MRE is due in the coming weeks and will serve as the basis for an updated Scoping Study targeted for completion in Q2 2022. This updated Study will build on the December 2021 Study, with the new MRE likely to allow higher grades to be mined, or increased production rates or increased mine life, or a combination.

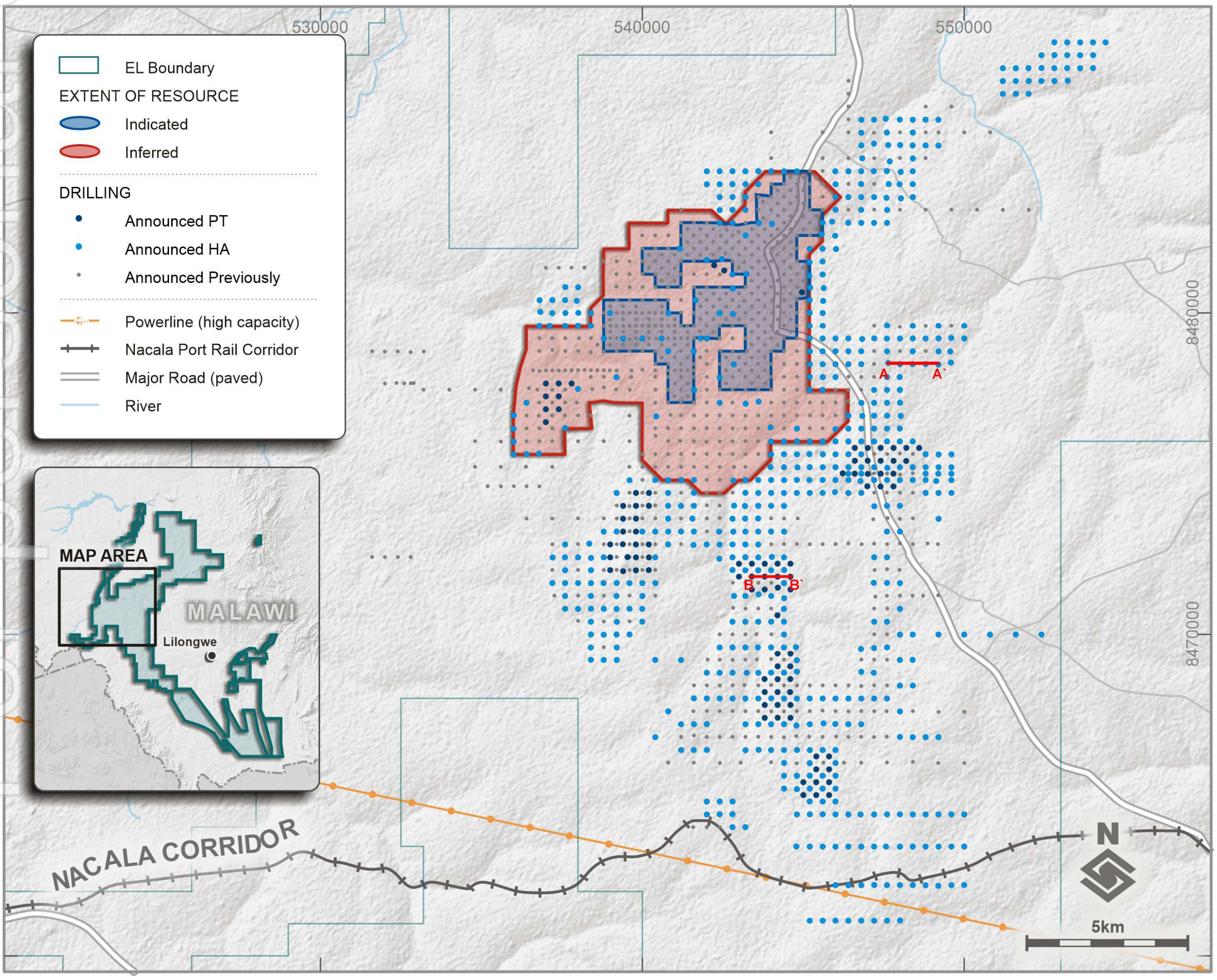

Figure 4: Kasiya-Nsaru drilling location map showing the very large areas of drilling outside the current MRE.

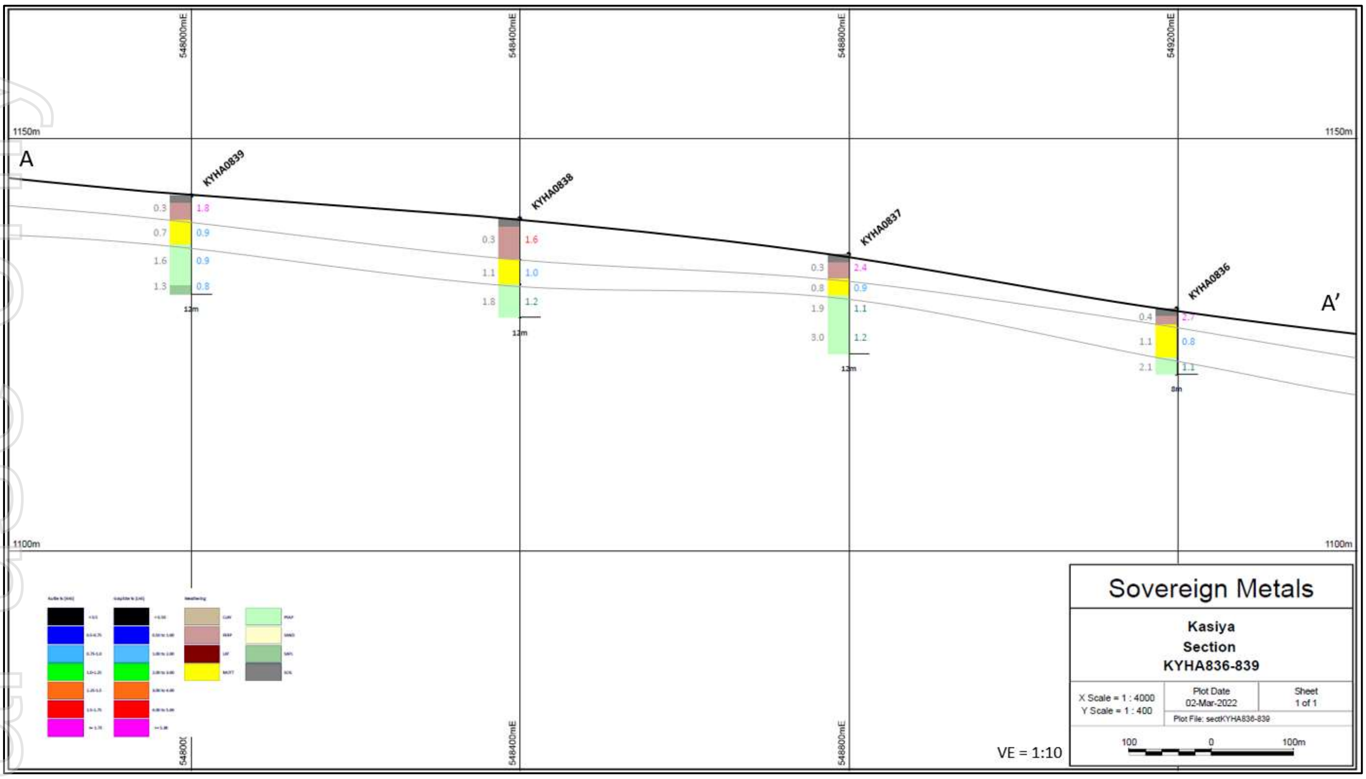

Figure 5: Cross section 8,478,400mN from the new discovery to the eastern side of Kasiya.

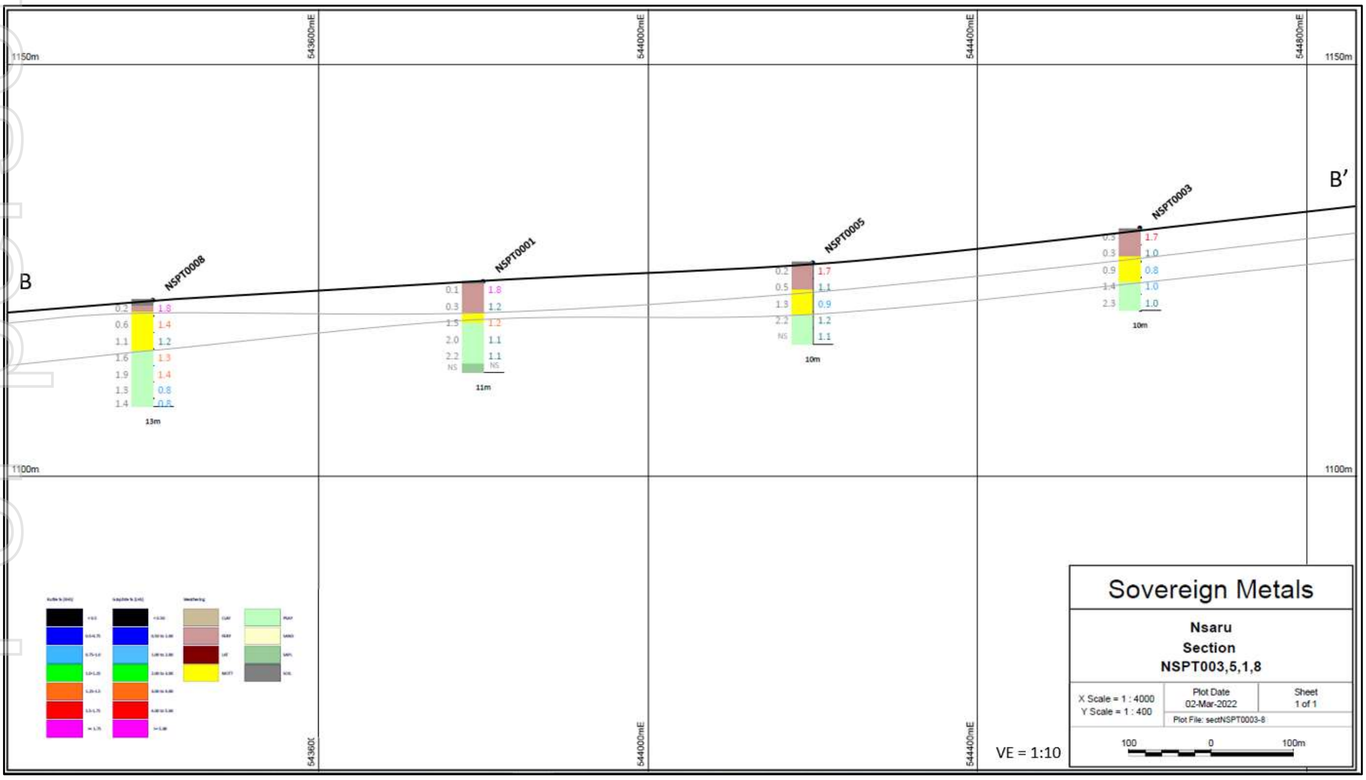

Figure 6: Cross section 8,471,800mN from Nsaru.

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Samuel Moyle, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr Moyle is the Exploration Manager of Sovereign Metals Limited and a holder of ordinary shares and unlisted options in Sovereign Metals Limited. Mr Moyle has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Moyle 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 announcement that relates to Sovereign's Mineral Resource Estimate is extracted from the ASX announcement dated 16 December 2021 which is available to view at Sovereign's website at www.sovereignmetals.com.au. Sovereign confirms that a) it is not aware of any new information or data that materially affects the information included in the ASX announcement; b) all material assumptions included in the ASX announcement continue to apply and have not materially changed; and c) the form and context in which the relevant Competent Persons' findings are presented in this report have not been materially changed from the ASX announcement.

Table 1: Kasiya Mineral Resource Estimate at 0.7% Rutile Cut-off

Mineral Resource Category	Material Tonnes (millions)	Rutile (%)	Rutile Tonnes (millions)	TGC (%)	TGC Tonnes (millions)
Indicated	304	1.02	3.1	1.31	4.0
Inferred	301	0.93	2.8	1.16	3.5
Total	**605**	**0.98**	**5.9**	**1.24**	**7.5**

Cut-off: 0.7% rutile, TGC = total graphitic carbon

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.

This ASX Announcement has been approved and authorised for release by the Company's Managing Director, Dr Julian Stephens.

APPENDIX I – DRILL RESULTS

Rutile and graphite drilling results from Kasiya and Nsaru are shown below in Table 2.

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0537	12.0	1.05	1.87	0.0	HA
incl	4.0	1.44		0.0	HA
KYHA0538	7.0	0.91	0.14	0.0	HA
incl	4.0	1.18		0.0	HA
KYHA0541	6.0	0.59	2.40	0.0	HA
KYHA0543	4.0	0.69	NSR	0.0	HA
KYHA0544	4.0	0.55	0.30	0.0	HA
KYHA0547	7.0	1.04	0.56	0.0	HA
incl	3.0	1.49		0.0	HA
KYHA0548	4.0	1.25	NSR	0.0	HA
KYHA0549	4.0	0.60	0.40	0.0	HA
KYHA0550	4.0	1.42	0.05	0.0	HA
incl	2.0	2.11		0.0	HA
KYHA0552	6.0	1.29	NSR	0.0	HA
incl	2.0	2.20		0.0	HA
KYHA0553	10.0	0.85	0.18	0.0	HA
incl	2.0	1.35		0.0	HA
KYHA0554	6.0	1.04	NSR	0.0	HA
incl	3.0	1.36		0.0	HA
KYHA0555	8.0	1.20	0.93	0.0	HA
incl	3.0	1.81		0.0	HA
KYHA0556		NSR			HA
KYHA0557	11.0	0.86	1.93	0.0	HA
incl	3.0	1.26		0.0	HA
KYHA0558	12.0	0.77	1.95	0.0	HA
KYHA0559	2.0	0.61	0.30	0.0	HA
KYHA0560	2.0	1.52	0.80	0.0	HA
KYHA0561	12.0	1.09	1.23	0.0	HA
incl	2.0	1.31		0.0	HA
KYHA0562	8.0	1.00	0.14	0.0	HA
incl	3.0	1.22		0.0	HA
KYHA0563		NSR			HA
KYHA0564		NSR			HA
KYHA0565	3.0	1.64	0.40	0.0	HA
KYHA0566	4.0	0.87	0.30	0.0	HA
KYHA0567	11.0	0.96	2.54	0.0	HA
incl	4.0	1.09		2.0	HA
KYHA0568	12.0	1.06	2.44	0.0	HA
incl	3.0	1.57		0.0	HA
KYHA0569	6.0	1.29	0.10	0.0	HA
incl	3.0	1.72		0.0	HA
KYHA0570	8.0	0.99	2.36	0.0	HA
incl	5.0	1.22		0.0	HA
KYHA0572	3.0	0.62	0.20	0.0	HA
KYHA0573	9.0	0.93	3.17	0.0	HA
incl	2.0	1.07		0.0	HA
KYHA0576	3.0	0.94	0.40	0.0	HA
KYHA0576	2.0	0.81	0.30	7.0	HA
KYHA0577	2.0	1.11	1.10	0.0	HA
KYHA0583	2.0	0.76	0.30	0.0	HA
KYHA0584	10.0	1.18	0.69	0.0	HA
incl	4.0	1.83		0.0	HA
KYHA0585	2.0	1.94	0.30	0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0586	12.0	1.03	0.67	0.0	HA
incl	4.0	1.35		0.0	HA
KYHA0587	6.0	1.35	0.20	0.0	HA
incl	4.0	1.73		0.0	HA
KYHA0588	4.0	0.86	0.33	0.0	HA
KYHA0589	1.7	1.18	0.10	0.0	HA
KYHA0590	1.5	1.60	0.10	0.0	HA
KYHA0591	11.0	1.06	1.34	0.0	HA
incl	3.0	1.42		0.0	HA
KYHA0592	7.0	0.85	0.34	0.0	HA
incl	4.0	1.09		0.0	HA
KYHA0593		NSR			HA
KYHA0594	11.0	0.61	3.05	0.0	HA
KYHA0595	5.0	0.74	0.40	0.0	HA
KYHA0596		NSR			HA
KYHA0597	3.0	0.53	0.10	0.0	HA
KYHA0598		NSR			HA
KYHA0599		NSR			HA
KYHA0600	8.0	0.80	1.24	0.0	HA
KYHA0601	1.0	0.59	0.50	3.0	HA
KYHA0602	3.0	0.76	0.40	0.0	HA
KYHA0603	3.0	0.83	0.50	0.0	HA
KYHA0604	3.0	0.69	NSR	0.0	HA
KYHA0605		NSR			HA
KYHA0606	6.0	0.65	1.07	0.0	HA
KYHA0607	2.0	0.55	0.10	0.0	HA
KYHA0608	4.0	1.39	0.20	0.0	HA
incl	2.0	1.96		0.0	HA
KYHA0609	12.0	1.19	0.98	0.0	HA
incl	2.0	2.40		0.0	HA
KYHA0610	4.0	0.56	0.30	0.0	HA
KYHA0611	2.0	1.01	0.50	0.0	HA
KYHA0612	13.0	0.79	1.68	0.0	HA
KYHA0613	13.0	1.10	1.90	0.0	HA
incl	3.0	1.57		0.0	HA
KYHA0614	9.0	0.92	0.87	0.0	HA
incl	3.0	1.33		0.0	HA
KYHA0615	8.0	0.81	4.20	0.0	HA
KYHA0616	7.0	1.07	1.34	0.0	HA
incl	2.0	1.71		0.0	HA
KYHA0617	7.0	1.04	1.09	0.0	HA
incl	4.0	1.22		0.0	HA
KYHA0618	5.0	1.13	0.24	0.0	HA
incl	2.0	1.91		0.0	HA
KYHA0619	2.0	1.06	1.10	0.0	HA
KYHA0620	8.0	1.00	1.56	0.0	HA
incl	5.0	1.06		0.0	HA
KYHA0621		NSR			HA
KYHA0622	5.0	0.50	0.20	0.0	HA
KYHA0623	12.0	1.19	5.78	0.0	HA
incl	2.0	1.52		0.0	HA
KYHA0624	8.0	0.78	0.40	0.0	HA
incl	4.0	1.02		0.0	HA
KYHA0625	12.0	1.07	1.87	0.0	HA
incl	4.0	1.50		0.0	HA
KYHA0626	12.0	0.72	1.68	0.0	HA
KYHA0627	13.0	0.85	1.98	0.0	HA
incl	2.0	1.03		0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0628	12.0	1.20	3.35	0.0	HA
incl	3.0	1.34		0.0	HA
KYHA0629	3.0	0.82	0.30	0.0	HA
KYHA0630	13.0	0.94	2.88	0.0	HA
incl	3.0	1.20		0.0	HA
KYHA0631	4.0	1.15	0.40	0.0	HA
KYHA0632	12.0	0.79	1.38	0.0	HA
incl	3.0	1.25		0.0	HA
KYHA0633	13.0	1.37	1.20	0.0	HA
incl	4.0	1.59		0.0	HA
KYHA0634	13.0	0.85	1.66	0.0	HA
incl	3.0	1.35		0.0	HA
KYHA0635	6.0	0.81	0.57	0.0	HA
incl	2.0	1.28		0.0	HA
KYHA0636	8.0	0.88	1.20	0.0	HA
incl	4.0	1.14		0.0	HA
KYHA0637	2.0	1.38	0.50	0.0	HA
KYHA0638	7.0	0.79	2.81	0.0	HA
incl	2.0	1.33		0.0	HA
KYHA0639	4.0	0.79	2.80	0.0	HA
KYHA0640		NSR			HA
KYHA0641	3.0	1.05	0.50	0.0	HA
KYHA0642	5.0	1.19	1.24	0.0	HA
incl	2.0	1.83		0.0	HA
KYHA0643	5.0	0.61	0.82	0.0	HA
KYHA0644	3.0	0.95	0.60	0.0	HA
KYHA0645	2.0	1.03	0.30	0.0	HA
KYHA0646	3.0	0.58	0.50	0.0	HA
KYHA0647	3.0	0.54	0.50	0.0	HA
KYHA0648	5.0	0.78	0.38	0.0	HA
KYHA0649	7.0	1.19	1.64	0.0	HA
incl	2.0	1.80		0.0	HA
KYHA0650	4.0	1.02	0.50	0.0	HA
KYHA0651	4.0	0.73	0.75	0.0	HA
KYHA0652	2.0	0.62	0.30	0.0	HA
KYHA0653		NSR			HA
KYHA0654		NSR			HA
KYHA0655	2.0	1.18	0.30	0.0	HA
KYHA0656	6.0	1.06	0.63	0.0	HA
incl	2.0	1.51		0.0	HA
KYHA0657		NSR			HA
KYHA0658	2.0	1.43	0.60	0.0	HA
KYHA0659	3.0	1.17	0.20	0.0	HA
KYHA0660	2.0	1.26	0.20	0.0	HA
KYHA0661	6.0	1.10	0.53	0.0	HA
incl	2.0	2.01		0.0	HA
KYHA0662	8.0	0.82	0.89	0.0	HA
KYHA0663	4.0	1.39	0.20	0.0	HA
KYHA0664	8.0	1.12	1.10	0.0	HA
incl	2.0	1.86		0.0	HA
KYHA0665	2.0	0.91	NSR	0.0	HA
KYHA0666	2.0	1.71	0.30	0.0	HA
KYHA0667	3.0	0.53	0.40	0.0	HA
KYHA0668	2.0	0.78	0.30	0.0	HA
KYHA0669	2.0	1.46	0.30	0.0	HA
KYHA0670		NSR			HA
KYHA0671	2.0	0.93	0.60	0.0	HA
KYHA0672	6.0	0.80	0.90	0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
incl	2.0	1.31		0.0	HA
KYHA0673		NSR			HA
KYHA0674		NSR			HA
KYHA0675		NSR			HA
KYHA0676	5.0	0.76	0.30	0.0	HA
KYHA0677	2.0	0.79	0.40	0.0	HA
KYHA0678	2.0	0.60	1.70	3.0	HA
KYHA0679	3.0	0.95	0.30	0.0	HA
KYHA0680		NSR			HA
KYHA0681	3.0	0.90	0.30	0.0	HA
KYHA0682	2.0	0.93	0.30	0.0	HA
KYHA0683	13.0	0.93	0.86	0.0	HA
incl	3.0	1.78		0.0	HA
KYHA0684		NSR			HA
KYHA0685		NSR			HA
KYHA0686	11.0	1.17	0.83	0.0	HA
incl	7.0	1.38		0.0	HA
KYHA0687	8.0	1.23	2.16	0.0	HA
incl	2.0	2.18		0.0	HA
KYHA0688	8.0	0.65	1.15	0.0	HA
KYHA0689	11.0	0.97	1.25	0.0	HA
incl	3.0	1.20		0.0	HA
KYHA0690	4.0	1.70	0.20	0.0	HA
KYHA0691	2.0	1.53	0.30	0.0	HA
KYHA0692	11.0	0.72	2.88	0.0	HA
KYHA0693	3.0	0.88	0.30	0.0	HA
KYHA0694	2.0	0.81	0.15	0.0	HA
KYHA0695		NSR			HA
KYHA0696		NSR			HA
KYHA0697		NSR			HA
KYHA0698		NSR			HA
KYHA0699	3.0	0.77	0.20	0.0	HA
KYHA0700	2.0	1.39	0.60	0.0	HA
KYHA0701	3.0	1.21	0.30	0.0	HA
KYHA0702	2.0	1.52	0.30	0.0	HA
KYHA0703	6.0	0.99	0.23	0.0	HA
incl	2.0	1.56		0.0	HA
KYHA0704	6.0	0.70	0.13	0.0	HA
incl	2.0	1.04		0.0	HA
KYHA0705	3.0	1.22	NSR	0.0	HA
KYHA0706	6.0	0.76	0.80	0.0	HA
incl	2.0	1.15		0.0	HA
KYHA0707	3.0	1.39	0.20	0.0	HA
KYHA0708	2.0	1.46	0.50	0.0	HA
KYHA0709	2.0	1.62	0.30	0.0	HA
KYHA0710	8.0	0.79	1.29	0.0	HA
incl	2.0	1.36		0.0	HA
KYHA0711	3.0	0.59	0.30	0.0	HA
KYHA0712	12.0	0.64	0.33	0.0	HA
KYHA0713	7.0	0.92	0.83	0.0	HA
incl	2.0	1.38		0.0	HA
KYHA0714	11.0	0.74	2.34	0.0	HA
KYHA0715	2.0	1.61	0.30	0.0	HA
KYHA0716	2.0	1.58	0.20	0.0	HA
KYHA0717	12.0	0.77	1.25	0.0	HA
KYHA0718	12.0	0.99	1.67	0.0	HA
incl	4.0	1.29		0.0	HA
KYHA0719	13.0	0.85	1.63	0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
incl	3.0	1.13		0.0	HA
KYHA0720	3.0	0.66	NSR	0.0	HA
KYHA0721	8.0	0.91	0.30	0.0	HA
incl	4.0	1.26		0.0	HA
KYHA0722	9.0	1.06	1.93	0.0	HA
incl	2.0	1.71		0.0	HA
KYHA0723	3.0	1.07	NSR	0.0	HA
KYHA0724	3.0	0.57	0.30	0.0	HA
KYHA0725	2.0	0.66	0.40	0.0	HA
KYHA0726	3.0	0.74	0.30	0.0	HA
KYHA0727	4.0	0.64	0.20	0.0	HA
KYHA0728	4.0	0.55	0.20	0.0	HA
KYHA0729		NSR			HA
KYHA0730	2.0	0.73	0.20	0.0	HA
KYHA0731	11.0	0.76	2.06	0.0	HA
incl	3.0	1.04		0.0	HA
KYHA0732	2.5	0.81	0.40	0.0	HA
KYHA0733	6.0	0.87	1.25	0.0	HA
KYHA0734	5.0	0.94	0.44	0.0	HA
incl	3.0	1.11		0.0	HA
KYHA0735	2.0	0.95	0.20	0.0	HA
KYHA0736	4.0	0.96	0.30	0.0	HA
KYHA0737	10.0	0.88	1.29	0.0	HA
incl	3.0	1.30		0.0	HA
KYHA0738	11.0	0.89	2.34	0.0	HA
incl	2.0	1.17		3.0	HA
KYHA0739		NSR			HA
KYHA0740	10.0	0.94	1.77	0.0	HA
incl	3.0	1.02		0.0	HA
KYHA0741		NSR			HA
KYHA0742	5.0	0.71	0.30	0.0	HA
KYHA0743	9.0	0.97	0.43	0.0	HA
incl	3.0	1.53		0.0	HA
KYHA0744	4.0	0.68	0.20	0.0	HA
KYHA0745	9.0	1.28	1.41	0.0	HA
incl	3.0	1.63		0.0	HA
KYHA0746	4.0	0.93	0.45	0.0	HA
incl	3.0	1.04		0.0	HA
KYHA0747	5.0	0.94	1.24	0.0	HA
incl	2.0	1.44		0.0	HA
KYHA0748	10.0	0.94	1.39	0.0	HA
incl	3.0	1.42		0.0	HA
KYHA0749	5.0	0.63	0.24	0.0	HA
KYHA0750	5.0	0.87	0.20	0.0	HA
KYHA0751		NSR			HA
KYHA0752	12.0	0.97	1.43	0.0	HA
incl	4.0	1.31		0.0	HA
KYHA0753	11.0	0.74	0.75	0.0	HA
incl	3.0	1.06		0.0	HA
KYHA0754	7.0	0.61	0.61	0.0	HA
KYHA0755	2.0	0.83	0.60	0.0	HA
KYHA0756	6.0	1.21	1.15	0.0	HA
incl	3.0	1.57		0.0	HA
KYHA0757	4.0	0.54	0.30	0.0	HA
KYHA0758	11.0	1.06	2.05	0.0	HA
incl	5.0	1.43		0.0	HA
KYHA0759	4.0	1.08	0.45	0.0	HA
incl	2.0	1.44		0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0760	2.0	1.18	0.50	0.0	HA
KYHA0761	12.0	0.88	3.00	0.0	HA
KYHA0762	6.0	0.70	0.25	0.0	HA
KYHA0763	10.0	1.07	2.40	0.0	HA
incl	2.0	1.57		8.0	HA
KYHA0764		NSR			HA
KYHA0765		NSR			HA
KYHA0766	3.0	1.13	0.50	0.0	HA
KYHA0767	2.0	1.43	0.30	0.0	HA
KYHA0768	3.0	1.02	0.40	0.0	HA
KYHA0769	3.0	0.78	0.10	0.0	HA
KYHA0770	12.0	1.12	1.16	0.0	HA
incl	3.0	1.42		0.0	HA
KYHA0771	6.0	0.72	0.90	0.0	HA
KYHA0772	11.0	0.90	2.33	0.0	HA
incl	4.0	1.00		0.0	HA
KYHA0773	15.0	1.15	0.93	0.0	HA
incl	4.0	1.57		0.0	HA
KYHA0774	4.0	0.90	0.30	0.0	HA
KYHA0775	3.0	1.26	0.20	0.0	HA
KYHA0776	4.0	0.92	0.50	0.0	HA
KYHA0777	8.0	0.87	1.85	0.0	HA
incl	4.0	1.10		0.0	HA
KYHA0778	5.0	1.11	1.40	0.0	HA
incl	3.0	1.23		0.0	HA
KYHA0779	8.0	0.81	0.74	0.0	HA
incl	2.0	1.01		3.0	HA
KYHA0780	5.0	1.06	0.52	0.0	HA
incl	3.0	1.31		0.0	HA
KYHA0781	3.0	0.66	0.20	0.0	HA
KYHA0782	6.0	0.66	0.33	0.0	HA
KYHA0783	12.0	0.67	1.73	0.0	HA
KYHA0784	12.0	0.89	0.60	0.0	HA
incl	4.0	1.23		0.0	HA
KYHA0785	12.0	0.82	2.53	0.0	HA
KYHA0786	7.0	0.67	1.01	0.0	HA
KYHA0787	13.0	1.15	0.86	0.0	HA
incl	4.0	1.61		0.0	HA
KYHA0788	12.0	0.81	1.73	0.0	HA
KYHA0789	5.0	0.91	0.30	0.0	HA
KYHA0790	5.0	0.95	0.30	0.0	HA
incl	2.0	1.05		0.0	HA
KYHA0791	3.0	0.61	0.40	0.0	HA
KYHA0792	8.0	0.86	0.80	0.0	HA
incl	2.0	1.26		0.0	HA
KYHA0793	3.0	1.30	0.30	0.0	HA
KYHA0794	3.0	0.65	0.50	0.0	HA
KYHA0795	13.0	0.62	1.30	0.0	HA
KYHA0796	7.0	0.78	1.13	0.0	HA
KYHA0797	5.0	0.68	0.30	0.0	HA
KYHA0798	3.0	1.14	0.30	0.0	HA
KYHA0799	12.0	1.18	1.12	0.0	HA
incl	8.0	1.34		0.0	HA
KYHA0800	6.0	0.90	0.05	0.0	HA
incl	3.0	1.10		0.0	HA
KYHA0801	10.0	1.18	0.77	0.0	HA
incl	4.0	1.71		0.0	HA
KYHA0802	2.0	0.88	0.40	0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0803	12.0	0.98	0.94	0.0	HA
incl	4.0	1.61		0.0	HA
KYHA0804	**11.0**	**1.34**	**1.31**	**0.0**	**HA**
incl	**2.0**	**3.00**		**0.0**	**HA**
KYHA0805	7.0	1.45	0.07	0.0	HA
incl	5.0	1.72		0.0	HA
KYHA0806	3.0	0.88	NSR	0.0	HA
KYHA0807	4.0	0.60	0.10	0.0	HA
KYHA0808	5.0	0.78	NSR	0.0	HA
KYHA0809	2.0	0.82	0.10	0.0	HA
KYHA0810	4.0	2.15	0.20	0.0	HA
KYHA0811	**12.0**	**1.27**	**1.53**	**0.0**	**HA**
incl	**3.0**	**2.16**		**0.0**	**HA**
KYHA0812	10.0	1.00	0.90	0.0	HA
incl	2.0	1.47		0.0	HA
KYHA0813	3.0	2.35	0.20	0.0	HA
KYHA0814	6.0	0.94	1.20	0.0	HA
incl	4.0	1.05		0.0	HA
KYHA0815	6.0	1.11	1.70	0.0	HA
incl	3.0	1.39		0.0	HA
KYHA0816	7.0	1.08	0.23	0.0	HA
incl	4.0	1.36		0.0	HA
KYHA0817	4.0	1.19	0.10	0.0	HA
KYHA0818	**12.0**	**1.26**	**1.53**	0.0	**HA**
incl	**5.0**	**1.67**		0.0	**HA**
KYHA0819	10.0	1.04	1.01	0.0	HA
incl	3.0	1.56		0.0	HA
KYHA0820	8.0	0.72	0.85	0.0	HA
KYHA0821	3.0	0.63	NSR	0.0	HA
KYHA0822		NSR			HA
KYHA0823	4.0	0.58	0.10	0.0	HA
KYHA0824	8.0	0.79	0.55	0.0	HA
KYHA0825	12.0	0.76	2.38	0.0	HA
KYHA0826	13.0	0.89	0.35	0.0	HA
incl	3.0	1.27		0.0	HA
KYHA0827	13.0	0.85	2.45	0.0	HA
KYHA0828	4.0	0.61	NSR	0.0	HA
KYHA0829		NSR			HA
KYHA0830		NSR			HA
KYHA0831	4.0	0.66	NSR	0.0	HA
KYHA0832	3.0	0.59	0.30	0.0	HA
KYHA0833	9.0	1.04	1.02	0.0	HA
incl	2.0	1.90		0.0	HA
KYHA0834	3.0	0.82	0.30	0.0	HA
KYHA0835	2.0	1.31	0.60	0.0	HA
KYHA0836	**8.0**	**1.36**	**1.18**	**0.0**	**HA**
incl	**2.0**	**2.66**		**0.0**	**HA**
KYHA0837	**12.0**	**1.46**	**1.68**	**0.0**	**HA**
incl	**3.0**	**2.42**		**0.0**	**HA**
KYHA0838	**12.0**	**1.34**	**1.00**	**0.0**	**HA**
incl	**5.0**	**1.65**		**0.0**	**HA**
KYHA0839	12.0	1.11	1.00	0.0	HA
incl	3.0	1.78		0.0	HA
KYHA0840	4.0	1.07	0.40	0.0	HA
KYHA0842	4.0	0.57	0.40	0.0	HA
KYHA0843		NSR			HA
KYHA0844	3.0	0.73	0.20	0.0	HA
KYHA0845		NSR			HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0846		NSR			HA
KYHA0847		NSR			HA
KYHA0848	2.0	0.64	0.20	0.0	HA
KYHA0849	3.0	0.67	0.20	0.0	HA
KYHA0850	10.0	0.71	1.76	0.0	HA
KYHA0851		NSR			HA
KYHA0852		NSR			HA
KYHA0853		NSR			HA
KYHA0854	3.0	0.67	0.20	0.0	HA
KYHA0855		NSR			HA
KYHA0856		NSR			HA
KYHA0857		NSR			HA
KYHA0858		NSR			HA
KYHA0859		NSR			HA
KYHA0860		NSR			HA
KYHA0861	2.0	1.02	0.50	3.0	HA
KYHA0862	2.0	0.70	0.20	0.0	HA
KYHA0863	2.0	0.67	0.20	0.0	HA
KYHA0864	2.0	0.57	0.30	0.0	HA
KYHA0865	2.0	0.53	0.40	0.0	HA
KYHA0866		NSR			HA
KYHA0867	11.0	0.93	2.87	0.0	HA
incl	4.0	1.12		0.0	HA
KYHA0868	9.0	1.15	0.26	0.0	HA
incl	4.0	1.81		0.0	HA
KYHA0869		NSR			HA
KYHA0870		NSR			HA
KYHA0871	10.0	0.98	1.58	0.0	HA
incl	6.0	1.06		0.0	HA
KYHA0872	3.0	0.82	0.50	0.0	HA
KYHA0873		NSR			HA
KYHA0874	11.0	0.91	1.95	0.0	HA
incl	3.0	1.22		0.0	HA
KYHA0875	11.0	1.22	2.14	0.0	HA
incl	9.0	1.35		0.0	HA
KYHA0876	4.0	1.05	0.40	0.0	HA
KYHA0877	12.0	0.90	2.62	0.0	HA
incl	3.0	1.17		0.0	HA
KYHA0878	4.0	0.74	0.80	0.0	HA
KYHA0879		NSR			HA
KYHA0880		NSR			HA
KYHA0881	8.0	0.87	0.85	0.0	HA
incl	4.0	1.15		0.0	HA
KYHA0882	11.0	1.02	1.71	0.0	HA
incl	6.0	1.16		0.0	HA
KYHA0883	10.0	0.98	2.15	0.0	HA
incl	4.0	1.44		0.0	HA
KYHA0884	11.0	0.94	1.76	0.0	HA
incl	4.0	1.14		0.0	HA
KYHA0885	7.0	1.22	1.16	0.0	HA
KYHA0886	13.0	0.99	1.11	0.0	HA
incl	3.0	1.39		0.0	HA
KYHA0887	12.0	1.15	1.58	0.0	HA
incl	3.0	1.22		0.0	HA
incl	5.0	1.43		7.0	HA
KYHA0888	4.0	1.02	0.60	0.0	HA
KYHA0889	4.0	0.61	0.30	0.0	HA
KYHA0890	3.0	1.09	0.40	0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
KYHA0891	4.0	0.81	0.30	0.0	HA
KYHA0892	12.0	0.74	2.33	0.0	HA
incl	4.0	1.01		0.0	HA
KYHA0893	13.0	0.92	1.64	0.0	HA
incl	4.0	1.09		0.0	HA
KYHA0894	6.0	0.98	0.55	0.0	HA
incl	3.0	1.27		0.0	HA
KYHA0895	4.0	0.74	0.20	0.0	HA
KYHA0896	4.0	0.51	0.20	0.0	HA
KYHA0897	12.0	0.74	0.66	0.0	HA
KYPT0185	4.0	1.56	0.50	0.0	PT
incl	2.0	2.12		0.0	PT
KYPT0186	6.0	1.02	1.37	0.0	PT
incl	2.0	1.30		0.0	PT
KYPT0187	13.0	0.92	2.91	0.0	PT
incl	2.0	1.40		0.0	PT
KYPT0189	6.0	0.97	0.73	0.0	PT
incl	2.0	1.30		0.0	PT
KYPT0190	4.0	1.18	0.55	0.0	PT
incl	2.0	1.50		0.0	PT
KYPT0191	11.0	1.15	2.71	0.0	PT
incl	2.0	1.56		0.0	PT
KYPT0192	6.0	1.02	0.57	0.0	PT
incl	2.0	1.48		0.0	PT
KYPT0193		NSR			PT
KYPT0194	8.0	0.81	1.58	0.0	PT
incl	2.0	1.05		0.0	PT
KYPT0195	6.0	0.77	0.73	0.0	PT
incl	2.0	1.18		0.0	PT
KYPT0196	10.0	0.86	4.72	0.0	PT
incl	2.0	1.11		0.0	PT
KYPT0197	8.0	0.89	0.28	0.0	PT
incl	2.0	1.00		2.0	PT
KYPT0198	14.0	1.06	2.76	0.0	PT
incl	2.0	1.59		0.0	PT
KYPT0199	6.0	0.88	0.30	0.0	PT
incl	2.0	1.25		0.0	PT
KYPT0200	14.0	0.92	2.35	0.0	PT
incl	4.0	1.38		0.0	PT
KYPT0201	12.0	0.87	3.72	0.0	PT
incl	2.0	1.25		0.0	PT
KYPT0202	7.7	1.11	1.42	0.0	PT
incl	4.0	1.58		0.0	PT
KYPT0203	7.6	0.90	3.24	0.0	PT
incl	2.0	1.15		2.0	PT
KYPT0204	2.0	1.05	0.30	0.0	PT
KYPT0205	13.0	0.92	3.90	0.0	PT
incl	2.0	1.35		0.0	PT
KYPT0206	4.0	0.84	1.30	0.0	PT
incl	2.0	1.01		0.0	PT
KYPT0207	2.0	0.79	0.30	0.0	PT
KYPT0208	2.0	0.89	0.20	0.0	PT
KYPT0209	13.0	0.93	1.89	0.0	PT
incl	2.0	1.44		0.0	PT
KYPT0210	2.0	1.29	0.60	0.0	PT
KYPT0212	10.8	1.04	3.02	0.0	PT
incl	2.0	1.52		0.0	PT
KYPT0213	11.0	1.15	2.98	0.0	PT

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
incl	8.0	1.23		0.0	PT
KYPT0214	4.0	0.84	0.45	0.0	PT
incl	2.0	1.13		0.0	PT
KYPT0215	4.0	0.94	0.85	0.0	PT
incl	2.0	1.23		0.0	PT
KYPT0216	10.0	0.85	3.08	0.0	PT
incl	2.0	1.18		0.0	PT
KYPT0217	7.0	0.85	2.33	0.0	PT
incl	2.0	1.37		0.0	PT
KYPT0218	2.0	1.31	0.40	0.0	PT
KYPT0219	2.9	1.62	NSR	0.0	PT
KYPT0220	12.0	1.11	2.33	0.0	PT
incl	4.0	1.48		0.0	PT
KYPT0221	8.0	0.94	3.40	0.0	PT
incl	2.0	1.46		0.0	PT
NSHA0138	4.0	0.85	0.30	0.0	HA
NSHA0139	11.0	0.67	1.95	0.0	HA
NSHA0140	5.0	0.89	0.20	0.0	HA
NSHA0141	13.0	0.98	2.00	0.0	HA
incl	4.0	1.26		0.0	HA
incl	2.0	1.03		11.0	HA
NSHA0142	13.0	0.87	1.57	0.0	HA
incl	4.0	1.03		0.0	HA
NSHA0143	5.0	1.00	0.20	0.0	HA
NSHA0143	3.0	0.83	2.10	8.0	HA
incl	5.0	1.00		0.0	HA
NSHA0144	10.0	0.67	1.25	0.0	HA
NSHA0145	4.0	0.79	0.10	0.0	HA
NSHA0146	5.0	1.13	0.20	0.0	HA
NSHA0147	13.0	0.86	1.88	0.0	HA
incl	5.0	1.02		0.0	HA
NSHA0148	10.0	0.82	1.66	0.0	HA
incl	4.0	1.02		0.0	HA
NSHA0150	4.0	1.04	0.40	0.0	HA
NSHA0151	5.0	0.97	0.30	0.0	HA
NSHA0151	1.0	0.72	2.50	11.0	HA
NSHA0152	5.0	0.76	0.20	0.0	HA
NSHA0153	4.0	0.63	NSR	0.0	HA
NSHA0154	4.0	0.79	0.10	0.0	HA
NSHA0155	8.0	0.77	0.63	0.0	HA
incl	2.0	1.00		0.0	HA
NSHA0156	8.0	0.74	1.28	0.0	HA
NSHA0157	11.0	1.03	1.61	0.0	HA
incl	5.0	1.21		0.0	HA
NSHA0158	12.0	0.80	1.73	0.0	HA
incl	5.0	1.09		0.0	HA
NSHA0159	12.0	0.95	NSR	0.0	HA
incl	4.0	1.33		8.0	HA
NSHA0160	12.0	0.95	1.77	0.0	HA
incl	4.0	1.13		0.0	HA
NSHA0161	5.0	1.09	0.30	0.0	HA
NSHA0162	11.0	0.78	1.02	0.0	HA
incl	4.0	1.08		0.0	HA
NSHA0163	5.0	0.69	0.20	0.0	HA
NSHA0164	4.0	0.65	0.20	0.0	HA
NSHA0165	10.0	0.80	1.52	0.0	HA
NSHA0166	9.0	0.79	3.42	0.0	HA
NSHA0167		NSR			HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSHA0168		NSR			HA
NSHA0169		NSR			HA
NSHA0170		NSR			HA
NSHA0171		NSR			HA
NSHA0172		NSR			HA
NSHA0173	4.0	0.80	0.20	0.0	HA
NSHA0174	11.0	0.73	1.39	0.0	HA
NSHA0175	12.0	0.63	2.30	0.0	HA
NSHA0176	4.0	0.83	0.20	0.0	HA
NSHA0177	4.0	0.65	0.30	0.0	HA
NSHA0178		NSR			HA
NSHA0179	7.0	0.78	0.14	0.0	HA
NSHA0180	3.0	0.66	NSR	0.0	HA
NSHA0181	13.0	1.28	1.27	0.0	HA
incl	8.0	1.48		0.0	HA
NSHA0182	9.0	1.11	0.71	0.0	HA
incl	4.0	1.53		0.0	HA
NSHA0183	2.0	1.37	0.20	0.0	HA
NSHA0184	12.0	0.86	1.08	0.0	HA
incl	4.0	1.24		0.0	HA
NSHA0185	4.0	1.12	0.20	0.0	HA
NSHA0186	10.0	0.98	0.58	0.0	HA
incl	3.0	1.75		0.0	HA
NSHA0187	4.0	0.81	0.40	0.0	HA
NSHA0188	7.0	0.71	0.34	0.0	HA
NSHA0189	13.0	1.03	1.22	0.0	HA
incl	5.0	1.24		0.0	HA
NSHA0190	4.0	0.61	0.20	0.0	HA
NSHA0191	4.0	0.54	0.20	0.0	HA
NSHA0192	5.0	0.90	0.70	0.0	HA
NSHA0193	6.0	0.68	0.25	0.0	HA
NSHA0194	3.0	1.03	0.20	0.0	HA
NSHA0195	11.0	0.91	1.26	0.0	HA
incl	4.0	1.26		0.0	HA
NSHA0196	11.0	0.74	1.03	0.0	HA
NSHA0197	10.0	0.72	1.33	0.0	HA
incl	3.0	1.10		0.0	HA
NSHA0198	2.0	0.67	2.00	4.0	HA
NSHA0199	4.0	0.81	NSR	0.0	HA
NSHA0200	11.0	1.25	1.61	0.0	HA
incl	4.0	1.45		0.0	HA
NSHA0201	2.0	0.87	0.50	0.0	HA
NSHA0202	5.0	0.71	0.90	0.0	HA
NSHA0203	11.0	0.81	1.53	0.0	HA
NSHA0204	3.0	0.85	NSR	0.0	HA
NSHA0205	13.0	0.57	1.05	0.0	HA
NSHA0206	4.0	0.54	NSR	0.0	HA
NSHA0207		NSR			HA
NSHA0208	2.0	0.81	0.10	0.0	HA
NSHA0209	4.0	0.95	NSR	0.0	HA
NSHA0210	5.0	1.06	0.10	0.0	HA
NSHA0211	9.0	0.83	1.29	0.0	HA
NSHA0212	5.0	0.54	0.88	0.0	HA
NSHA0213	4.0	0.71	0.80	0.0	HA
NSHA0214	10.0	0.64	1.38	0.0	HA
NSHA0215	5.0	0.61	0.60	0.0	HA
NSHA0216		NSR			HA
NSHA0217		NSR			HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSHA0218	13.0	0.76	1.01	0.0	HA
NSHA0219	5.0	0.52	NSR	0.0	HA
NSHA0220	5.0	0.82	NSR	0.0	HA
NSHA0221	8.0	0.99	0.40	0.0	HA
incl	4.0	1.40		0.0	HA
NSHA0222	11.0	0.89	0.97	0.0	HA
incl	4.0	1.12		0.0	HA
NSHA0223	4.0	0.86	NSR	0.0	HA
NSHA0224	10.0	1.25	0.98	0.0	HA
incl	7.0	1.38		0.0	HA
NSHA0225	12.0	1.32	1.10	0.0	HA
incl	4.0	1.87		0.0	HA
NSHA0226	4.0	0.74	NSR	0.0	HA
NSHA0227	4.0	1.11	NSR	0.0	HA
NSHA0228	11.0	0.62	1.19	0.0	HA
NSHA0229	4.0	0.71	NSR	0.0	HA
NSHA0230	10.0	1.02	0.86	0.0	HA
incl	3.0	1.28		0.0	HA
NSHA0231	12.0	0.93	2.84	0.0	HA
incl	4.0	1.17		0.0	HA
NSHA0232	5.0	0.75	NSR	0.0	HA
incl	2.0	1.11		0.0	HA
NSHA0233	4.0	0.63	NSR	0.0	HA
NSHA0234	5.0	1.15	NSR	0.0	HA
NSHA0235	4.0	1.01	NSR	0.0	HA
NSHA0236	11.0	1.09	0.79	0.0	HA
incl	8.0	1.20		0.0	HA
NSHA0237		NSR			HA
NSHA0238	2.0	1.09	NSR	0.0	HA
NSHA0239	6.0	0.61	1.70	0.0	HA
NSHA0240	4.0	0.60	NSR	0.0	HA
NSHA0241	10.0	0.99	0.52	0.0	HA
incl	4.0	1.22		0.0	HA
NSHA0242	9.0	0.65	0.29	0.0	HA
NSHA0243	10.0	0.61	0.45	0.0	HA
NSHA0244	7.0	0.80	1.37	0.0	HA
NSHA0245	2.0	0.61	2.30	4.0	HA
NSHA0246	7.0	0.82	0.67	0.0	HA
incl	3.0	1.01		4.0	HA
NSHA0247	3.0	0.63	0.70	7.0	HA
NSHA0248		NSR			HA
NSHA0249	5.0	0.74	0.50	0.0	HA
NSHA0250	5.0	0.94	0.30	0.0	HA
NSHA0251	4.0	0.56	0.90	0.0	HA
NSHA0252		NSR			HA
NSHA0253	6.0	0.73	NSR	0.0	HA
NSHA0254		NSR			HA
NSHA0255	3.0	0.78	0.10	0.0	HA
NSHA0256	4.0	0.51	NSR	0.0	HA
NSHA0257	7.0	0.76	0.41	0.0	HA
NSHA0258	15.0	1.09	0.71	0.0	HA
incl	4.0	1.80		0.0	HA
NSHA0259	6.0	1.24	0.73	0.0	HA
incl	4.0	1.43		0.0	HA
NSHA0260	8.0	0.70	1.31	0.0	HA
incl	2.0	1.05		0.0	HA
NSHA0261	12.0	1.23	1.58	0.0	HA
incl	3.0	1.94		0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSHA0262	**13.0**	**1.35**	**1.54**	**0.0**	**HA**
incl	**4.0**	**1.81**		**0.0**	**HA**
NSHA0263	**9.0**	**1.35**	**0.90**	**0.0**	**HA**
incl	**4.0**	**1.71**		**0.0**	**HA**
NSHA0264	12.0	0.99	0.57	0.0	HA
incl	4.0	1.61		0.0	HA
NSHA0265	12.0	1.11	0.95	0.0	HA
incl	4.0	1.81		0.0	HA
NSHA0266	12.0	0.92	3.05	0.0	HA
incl	5.0	1.25		0.0	HA
NSHA0267	3.0	0.98	0.40	0.0	HA
NSHA0268	3.0	0.78	0.10	0.0	HA
NSHA0269	11.0	0.81	0.76	0.0	HA
NSHA0270	4.0	1.02	NSR	0.0	HA
NSHA0271	8.0	1.13	0.70	0.0	HA
incl	3.0	1.76		0.0	HA
NSHA0272	11.0	0.88	1.41	0.0	HA
incl	4.0	1.08		0.0	HA
NSHA0273	9.0	0.90	0.86	0.0	HA
incl	2.0	1.46		0.0	HA
NSHA0274	8.0	0.99	0.50	0.0	HA
incl	3.0	1.47		0.0	HA
NSHA0275	12.0	0.88	1.22	0.0	HA
incl	3.0	1.19		0.0	HA
NSHA0276	7.0	1.17	1.03	0.0	HA
incl	3.0	1.81		0.0	HA
NSHA0277	11.0	1.15	2.25	0.0	HA
incl	4.0	1.38		0.0	HA
NSHA0278	7.0	0.98	2.03	0.0	HA
incl	4.0	1.16		0.0	HA
NSHA0279	13.0	0.96	3.28	0.0	HA
incl	5.0	1.21		0.0	HA
NSHA0280	5.0	0.76	0.40	0.0	HA
NSHA0280	3.0	0.65	3.40	9.0	HA
NSHA0281	5.0	1.17	0.20	0.0	HA
NSHA0282	12.0	1.07	1.33	0.0	HA
incl	4.0	1.41		0.0	HA
NSHA0283	12.0	0.88	2.12	0.0	HA
incl	3.0	1.18		0.0	HA
NSHA0284	4.0	0.90	0.20	0.0	HA
NSHA0285	12.0	1.09	1.08	0.0	HA
incl	4.0	1.61		0.0	HA
NSHA0286	4.0	1.10	0.30	0.0	HA
incl	4.0	1.10		0.0	HA
NSHA0287	5.0	0.84	0.10	0.0	HA
NSHA0288	3.0	1.05	0.30	0.0	HA
NSHA0289	10.0	1.19	2.14	0.0	HA
incl	2.0	1.43		0.0	HA
NSHA0290	8.0	1.21	1.62	0.0	HA
incl	3.0	1.34		0.0	HA
NSHA0291	2.0	1.59	2.00	0.0	HA
NSHA0292	3.0	1.38	0.50	0.0	HA
NSHA0293	**12.0**	**1.44**	**1.29**	**0.0**	**HA**
incl	**3.0**	**2.47**		**0.0**	**HA**
NSHA0294	9.0	1.12	1.89	0.0	HA
incl	4.0	1.35		0.0	HA
NSHA0295	11.0	1.18	1.91	0.0	HA
incl	8.0	1.32		0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSHA0296	**7.0**	**1.84**	**0.89**	**0.0**	**HA**
incl	**4.0**	**2.71**		**0.0**	**HA**
NSHA0297	12.0	1.10	3.82	0.0	HA
incl	7.0	1.18		0.0	HA
NSHA0298		NSR			HA
NSHA0299		NSR			HA
NSHA0300	11.0	0.88	0.96	0.0	HA
incl	2.0	1.43		0.0	HA
NSHA0301	4.0	0.80	0.30	0.0	HA
NSHA0302	12.0	0.80	0.88	0.0	HA
incl	5.0	1.04		0.0	HA
NSHA0303	4.0	0.90	0.30	0.0	HA
NSHA0304	13.0	1.19	0.97	0.0	HA
incl	4.0	1.41		0.0	HA
NSHA0305	8.0	0.86	1.16	0.0	HA
incl	5.0	1.06		0.0	HA
NSHA0306	13.0	0.82	2.55	0.0	HA
NSHA0307	4.0	1.11	0.40	0.0	HA
NSHA0308	3.0	1.12	NSR	0.0	HA
NSHA0309		NSR			HA
NSHA0310	8.0	0.91	2.09	0.0	HA
incl	5.0	1.00		0.0	HA
NSHA0311	**12.0**	**1.38**	**2.14**	**0.0**	**HA**
incl	**6.0**	**1.83**		**0.0**	**HA**
NSHA0312	9.0	0.96	1.16	0.0	HA
incl	3.0	1.06		6.0	HA
NSHA0313	11.0	0.91	0.92	0.0	HA
incl	4.0	1.07		0.0	HA
NSHA0314	11.0	0.93	2.83	0.0	HA
incl	4.0	1.39		0.0	HA
NSHA0315	13.0	1.11	1.74	0.0	HA
incl	4.0	1.60		0.0	HA
NSHA0316	12.0	1.05	4.36	0.0	HA
incl	3.0	1.56		0.0	HA
NSHA0317	5.0	0.94	0.30	0.0	HA
NSHA0318	8.0	0.90	0.49	0.0	HA
incl	5.0	1.04		0.0	HA
NSHA0319	3.0	1.11	0.20	0.0	HA
NSHA0320	2.0	1.29	0.20	0.0	HA
NSHA0321	8.0	1.02	NSR	0.0	HA
incl	4.0	1.35		0.0	HA
NSHA0322	13.0	0.79	NSR	0.0	HA
incl	5.0	1.09		0.0	HA
NSHA0323	2.0	0.89	0.20	0.0	HA
NSHA0324	10.0	0.89	1.16	0.0	HA
incl	2.0	1.25		0.0	HA
NSHA0325	2.0	1.16	0.10	0.0	HA
incl	2.0	1.16		0.0	HA
NSHA0326	11.0	0.79	0.78	0.0	HA
NSHA0327	11.0	0.70	1.51	0.0	HA
NSHA0328	11.0	1.01	0.97	0.0	HA
incl	4.0	1.35		0.0	HA
NSHA0329	5.0	0.71	NSR	0.0	HA
NSHA0330	6.0	0.91	NSR	0.0	HA
incl	3.0	1.16		0.0	HA
NSHA0331	9.0	0.84	1.38	0.0	HA
NSHA0332	4.0	0.60	NSR	0.0	HA
NSHA0333	10.0	0.70	1.17	0.0	HA

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSHA0334	3.0	0.91	0.10	0.0	HA
NSHA0335	6.0	0.53	0.70	3.0	HA
NSHA0336	11.0	0.99	0.12	0.0	HA
incl	5.0	1.42		0.0	HA
NSHA0337	10.0	0.98	0.18	0.0	HA
incl	4.0	1.42		0.0	HA
NSHA0338	12.0	1.30	1.31	0.0	HA
incl	4.0	1.72		0.0	HA
NSHA0339	6.0	1.33	0.10	0.0	HA
incl	4.0	1.65		0.0	HA
NSHA0340	7.0	0.83	0.87	0.0	HA
incl	2.0	1.05		5.0	HA
NSHA0341	3.0	1.70	NSR	0.0	HA
incl	3.0	1.70		0.0	HA
NSHA0342	5.0	1.40	1.02	0.0	HA
incl	2.0	2.08		0.0	HA
NSHA0343	7.0	1.06	0.81	0.0	HA
incl	3.0	1.48		0.0	HA
NSHA0344	12.0	1.30	1.99	0.0	HA
incl	4.0	1.77		0.0	HA
NSHA0345	**10.0**	**1.44**	**1.47**	**0.0**	**HA**
incl	**4.0**	**2.01**		**0.0**	**HA**
NSHA0346	12.0	0.97	2.89	0.0	HA
incl	4.0	1.24		0.0	HA
NSHA0347	13.0	0.89	2.64	0.0	HA
incl	4.0	1.24		0.0	HA
NSHA0348	9.0	0.89	1.60	0.0	HA
incl	3.0	1.35		0.0	HA
NSHA0349	4.0	0.90	1.50	0.0	HA
NSHA0350	9.0	1.09	2.40	2.0	HA
NSHA0351	3.0	0.70	0.60	0.0	HA
NSHA0352	7.0	1.04	1.10	0.0	HA
incl	3.0	1.67		0.0	HA
NSHA0353	7.0	0.96	0.87	0.0	HA
incl	4.0	1.13		0.0	HA
NSHA0354	13.0	1.09	1.58	0.0	HA
incl	9.0	1.28		0.0	HA
NSHA0355	13.0	1.03	3.35	0.0	HA
incl	3.0	1.34		0.0	HA
NSHA0357	2.0	1.80	0.30	0.0	HA
NSHA0358	4.0	1.22	0.30	0.0	HA
NSHA0359	6.0	1.08	1.75	0.0	HA
NSHA0360	9.0	1.09	1.13	0.0	HA
incl	3.0	1.48		0.0	HA
NSHA0361	4.0	1.13	1.50	0.0	HA
NSHA0362	4.0	1.14	0.30	0.0	HA
NSHA0363	**13.0**	**1.48**	**1.18**	**0.0**	**HA**
incl	**5.0**	**2.23**		**0.0**	**HA**
NSHA0364	12.0	1.22	1.03	0.0	HA
incl	4.0	1.73		0.0	HA
NSHA0365	10.0	1.10	1.15	0.0	HA
incl	3.0	1.56		0.0	HA
NSHA0366	**11.0**	**1.35**	**0.89**	**0.0**	**HA**
incl	**4.0**	**1.74**		**0.0**	**HA**
NSHA0367	7.0	1.01	0.91	0.0	HA
incl	4.0	1.29		0.0	HA
NSHA0368	**13.0**	**1.29**	**1.25**	**0.0**	**HA**
incl	**11.0**	**1.40**		**0.0**	**HA**

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
incl	4.0	1.94		0.0	HA
NSHA0369	4.0	0.91	0.30	0.0	HA
NSHA0370	12.0	1.16	2.17	0.0	HA
incl	4.0	1.47		0.0	HA
NSHA0371	13.0	1.04	2.18	0.0	HA
incl	4.0	1.24		0.0	HA
NSHA0372	5.0	0.51	0.30	0.0	HA
NSHA0373	4.0	1.00	0.30	0.0	HA
NSHA0374	12.0	0.78	0.87	0.0	HA
incl	4.0	1.21		0.0	HA
NSHA0375	5.0	1.18	0.50	0.0	HA
NSHA0376	6.0	0.91	0.35	0.0	HA
NSHA0377	12.0	0.91	0.68	0.0	HA
incl	4.0	1.22		0.0	HA
NSHA0378	6.0	1.26	0.10	0.0	HA
incl	3.0	1.68		0.0	HA
NSHA0379	7.0	0.79	NSR	0.0	HA
NSHA0380	2.0	0.84	NSR	0.0	HA
NSHA0381	12.0	0.82	1.03	0.0	HA
incl	5.0	1.09		0.0	HA
NSHA0382	2.0	0.61	0.20	0.0	HA
NSHA0383	3.0	0.79	1.80	3.0	HA
NSHA0384	8.0	0.81	2.08	0.0	HA
NSHA0385	13.0	0.95	1.38	0.0	HA
incl	7.0	1.21		0.0	HA
NSHA0386	12.0	1.16	0.50	0.0	HA
incl	8.0	1.38		0.0	HA
incl	5.0	1.63		0.0	HA
NSHA0387	12.0	1.09	2.73	0.0	HA
incl	4.0	1.49		0.0	HA
NSHA0388	10.0	1.06	1.88	0.0	HA
incl	2.0	1.55		4.0	HA
NSHA0389	3.0	0.75	0.10	0.0	HA
NSHA0390	10.0	0.74	0.21	0.0	HA
NSHA0391		NSR			HA
NSHA0392	11.0	0.96	0.98	0.0	HA
incl	2.0	2.13		0.0	HA
NSHA0393	9.0	1.13	0.50	0.0	HA
incl	2.0	2.12		0.0	HA
NSHA0394	6.0	0.90	NSR	0.0	HA
incl	3.0	1.22		0.0	HA
NSHA0395	11.0	0.74	0.20	0.0	HA
incl	3.0	1.20		4.0	HA
NSHA0396	7.0	0.80	0.50	0.0	HA
NSHA0397	5.0	0.72	0.20	0.0	HA
NSPT0001	10.0	1.28	1.22	0.0	PT
incl	4.0	1.49		0.0	PT
NSPT0002	6.0	1.10	NSR	0.0	PT
incl	2.0	1.94		0.0	PT
NSPT0003	10.0	1.11	1.04	0.0	PT
incl	4.0	1.36		0.0	PT
NSPT0004	5.0	0.87	3.74	0.0	PT
NSPT0005	10.0	1.19	0.84	0.0	PT
incl	4.0	1.40		0.0	PT
NSPT0006	4.0	1.40	0.65	0.0	PT
incl	2.0	2.25		0.0	PT
NSPT0007	9.0	1.02	1.10	0.0	PT
incl	2.0	1.14		7.0	PT

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSPT0008	13.0	1.30	1.14	0.0	PT
incl	10.0	1.44		0.0	PT
NSPT0009	12.0	1.25	1.08	0.0	PT
incl	8.0	1.36		0.0	PT
NSPT0010	10.9	0.95	2.92	0.0	PT
incl	4.0	1.11		0.0	PT
NSPT0011	6.0	0.89	0.27	0.0	PT
incl	2.0	1.38		0.0	PT
NSPT0012	2.0	1.16	NSR	0.0	PT
NSPT0013	**11.8**	**1.35**	**1.24**	**0.0**	**PT**
incl	**4.0**	**1.90**		**0.0**	**PT**
NSPT0014	10.0	1.18	0.70	0.0	PT
incl	4.0	1.92		0.0	PT
NSPT0015	11.8	1.25	1.87	0.0	PT
incl	6.0	1.45		0.0	PT
NSPT0016	2.0	1.15	0.20	0.0	PT
NSPT0017	10.0	1.08	1.98	0.0	PT
incl	4.0	1.70		0.0	PT
NSPT0018	5.0	1.36	0.66	0.0	PT
incl	2.0	2.45		0.0	PT
NSPT0019	6.0	0.75	0.76	0.0	PT
NSPT0020	10.0	0.88	1.74	0.0	PT
incl	2.0	1.55		0.0	PT
NSPT0021	5.0	1.15	2.40	4.0	PT
NSPT0023	**10.0**	**1.49**	**0.97**	**0.0**	**PT**
incl	**4.0**	**2.01**		**0.0**	**PT**
NSPT0024	3.8	1.64	0.25	0.0	PT
incl	2.0	2.29		0.0	PT
NSPT0025	8.0	1.16	0.93	0.0	PT
incl	2.0	1.87		0.0	PT
NSPT0026	**10.0**	**1.28**	**1.06**	**0.0**	**PT**
incl	**2.0**	**2.36**		**0.0**	**PT**
NSPT0027	4.0	1.46	0.24	0.0	PT
incl	2.2	2.09		0.0	PT
NSPT0028	6.0	1.20	NSR	0.0	PT
incl	2.0	1.94		0.0	PT
NSPT0029	12.0	1.00	0.89	0.0	PT
incl	1.4	2.10		0.0	PT
NSPT0030	4.0	1.32	NSR	0.0	PT
incl	2.0	1.78		0.0	PT
NSPT0031	3.0	1.03	NSR	0.0	PT
NSPT0032	11.5	1.00	1.59	0.0	PT
incl	2.0	1.90		0.0	PT
NSPT0033	12.0	1.41	1.23	0.0	PT
incl	6.0	1.62		0.0	PT
NSPT0034	6.0	1.12	NSR	0.0	PT
incl	2.0	2.02		0.0	PT
NSPT0035	6.0	0.82	NSR	0.0	PT
incl	2.0	1.22		0.0	PT
NSPT0036	2.0	1.06	NSR	0.0	PT
NSPT0037	6.0	1.14	0.70	0.0	PT
incl	2.0	2.31		0.0	PT
NSPT0038	10.0	0.93	0.84	0.0	PT
incl	2.0	1.20		0.0	PT
NSPT0039	11.0	1.41	0.99	0.0	PT
incl	4.0	1.72		0.0	PT
NSPT0040	10.0	1.00	0.80	0.0	PT
incl	4.0	1.41		0.0	PT

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSPT0042	11.0	1.12	1.08	0.0	PT
incl	2.0	1.72		0.0	PT
NSPT0043	13.0	1.17	1.69	0.0	PT
incl	8.0	1.31		0.0	PT
incl	2.0	2.02		0.0	PT
NSPT0044	2.0	0.75	0.10	0.0	PT
NSPT0045	11.0	1.20	0.60	0.0	PT
incl	4.0	1.50		0.0	PT
NSPT0046	9.0	0.91	0.89	0.0	PT
incl	2.0	1.49		0.0	PT
NSPT0047	12.0	1.01	2.53	0.0	PT
incl	8.0	1.17		0.0	PT
NSPT0048	4.0	1.18	NSR	0.0	PT
incl	2.0	1.71		0.0	PT
NSPT0049	4.0	1.09	NSR	0.0	PT
incl	2.0	1.42		0.0	PT
NSPT0050	11.0	1.18	1.20	0.0	PT
incl	2.0	1.90		0.0	PT
NSPT0051	4.0	0.89	NSR	0.0	PT
incl	2.0	1.11		0.0	PT
NSPT0052	12.0	1.20	0.98	0.0	PT
incl	6.0	1.44		0.0	PT
NSPT0053	10.0	1.28	0.92	0.0	PT
incl	6.0	1.56		0.0	PT
NSPT0054	10.0	1.10	1.72	0.0	PT
incl	4.0	1.52		0.0	PT
NSPT0055	12.0	0.87	1.10	0.0	PT
incl	2.0	1.60		0.0	PT
NSPT0056	10.0	0.93	1.92	0.0	PT
incl	2.0	1.43		0.0	PT
NSPT0057	2.0	1.64	0.20	0.0	PT
NSPT0058	4.6	1.61	0.46	0.0	PT
incl	4.0	1.76		0.0	PT
NSPT0059	9.0	0.92	0.43	0.0	PT
incl	2.0	1.84		0.0	PT
NSPT0001	10.0	1.28	1.22	0.0	PT
incl	4.0	1.49		0.0	PT
NSPT0002	6.0	1.10	NSR	0.0	PT
incl	2.0	1.94		0.0	PT
NSPT0003	10.0	1.11	1.04	0.0	PT
incl	4.0	1.36		0.0	PT
NSPT0004	5.0	0.87	3.74	0.0	PT
NSPT0005	10.0	1.19	0.84	0.0	PT
incl	4.0	1.40		0.0	PT
NSPT0006	4.0	1.40	0.65	0.0	PT
incl	2.0	2.25		0.0	PT
NSPT0007	9.0	1.02	1.10	0.0	PT
incl	2.0	1.14		7.0	PT
NSPT0008	13.0	1.30	1.14	0.0	PT
incl	10.0	1.44		0.0	PT
NSPT0009	12.0	1.25	1.08	0.0	PT
incl	8.0	1.36		0.0	PT
NSPT0010	10.9	0.95	2.92	0.0	PT
incl	4.0	1.11		0.0	PT
NSPT0011	6.0	0.89	0.27	0.0	PT
incl	2.0	1.38		0.0	PT
NSPT0012	2.0	1.16	NSR	0.0	PT
NSPT0013	11.8	1.35	1.24	0.0	PT

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
incl	4.0	1.90		0.0	PT
NSPT0014	10.0	1.18	0.70	0.0	PT
incl	4.0	1.92		0.0	PT
NSPT0015	11.8	1.25	1.87	0.0	PT
incl	6.0	1.45		0.0	PT
NSPT0016	2.0	1.15	0.20	0.0	PT
NSPT0017	10.0	1.08	1.98	0.0	PT
incl	4.0	1.70		0.0	PT
NSPT0018	5.0	1.36	0.66	0.0	PT
incl	2.0	2.45		0.0	PT
NSPT0019	6.0	0.75	0.76	0.0	PT
NSPT0020	10.0	0.88	1.74	0.0	PT
incl	2.0	1.55		0.0	PT
NSPT0021	5.0	1.15	2.40	4.0	PT
NSPT0023	10.0	1.49	0.97	0.0	PT
incl	4.0	2.01		0.0	PT
NSPT0024	3.8	1.64	0.25	0.0	PT
incl	2.0	2.29		0.0	PT
NSPT0025	8.0	1.16	0.93	0.0	PT
incl	2.0	1.87		0.0	PT
NSPT0026	10.0	1.28	1.06	0.0	PT
incl	2.0	2.36		0.0	PT
NSPT0027	4.0	1.46	0.24	0.0	PT
incl	2.2	2.09		0.0	PT
NSPT0028	6.0	1.20	NSR	0.0	PT
incl	2.0	1.94		0.0	PT
NSPT0029	12.0	1.00	0.89	0.0	PT
incl	1.4	2.10		0.0	PT
NSPT0030	4.0	1.32	NSR	0.0	PT
incl	2.0	1.78		0.0	PT
NSPT0031	3.0	1.03	NSR	0.0	PT
NSPT0032	11.5	1.00	1.59	0.0	PT
incl	2.0	1.90		0.0	PT
NSPT0033	12.0	1.41	1.23	0.0	PT
incl	6.0	1.62		0.0	PT
NSPT0034	6.0	1.12	NSR	0.0	PT
incl	2.0	2.02		0.0	PT
NSPT0035	6.0	0.82	NSR	0.0	PT
incl	2.0	1.22		0.0	PT
NSPT0036	2.0	1.06	NSR	0.0	PT
NSPT0037	6.0	1.14	0.70	0.0	PT
incl	2.0	2.31		0.0	PT
NSPT0038	10.0	0.93	0.84	0.0	PT
incl	2.0	1.20		0.0	PT
NSPT0039	11.0	1.41	0.99	0.0	PT
incl	4.0	1.72		0.0	PT
NSPT0040	10.0	1.00	0.80	0.0	PT
incl	4.0	1.41		0.0	PT
NSPT0042	11.0	1.12	1.08	0.0	PT
incl	2.0	1.72		0.0	PT
NSPT0043	13.0	1.17	1.69	0.0	PT
incl	8.0	1.31		0.0	PT
incl	2.0	2.02		0.0	PT
NSPT0044	2.0	0.75	0.10	0.0	PT
NSPT0045	11.0	1.20	0.60	0.0	PT
incl	4.0	1.50		0.0	PT
NSPT0046	9.0	0.91	0.89	0.0	PT
incl	2.0	1.49		0.0	PT

Hole ID	Interval Thickness	Rutile %	TGC %	From (m) Downhole	Hole Type
NSPT0047	12.0	1.01	2.53	0.0	PT
incl	8.0	1.17		0.0	PT
NSPT0048	4.0	1.18	NSR	0.0	PT
incl	2.0	1.71		0.0	PT
NSPT0049	4.0	1.09	NSR	0.0	PT
incl	2.0	1.42		0.0	PT
NSPT0050	11.0	1.18	1.20	0.0	PT
incl	2.0	1.90		0.0	PT
NSPT0051	4.0	0.89	NSR	0.0	PT
incl	2.0	1.11		0.0	PT
NSPT0052	12.0	1.20	0.98	0.0	PT
incl	6.0	1.44		0.0	PT
NSPT0053	10.0	1.28	0.92	0.0	PT
incl	6.0	1.56		0.0	PT
NSPT0054	10.0	1.10	1.72	0.0	PT
incl	4.0	1.52		0.0	PT
NSPT0055	12.0	0.87	1.10	0.0	PT
incl	2.0	1.60		0.0	PT
NSPT0056	10.0	0.93	1.92	0.0	PT
incl	2.0	1.43		0.0	PT
NSPT0057	2.0	1.64	0.20	0.0	PT
NSPT0058	4.6	1.61	0.46	0.0	PT
incl	4.0	1.76		0.0	PT
NSPT0059	9.0	0.92	0.43	0.0	PT
incl	2.0	1.84		0.0	PT
NSPT0001	10.0	1.28	1.22	0.0	PT
incl	4.0	1.49		0.0	PT
NSPT0002	6.0	1.10	NSR	0.0	PT
incl	2.0	1.94		0.0	PT
NSPT0003	10.0	1.11	1.04	0.0	PT
incl	4.0	1.36		0.0	PT
NSPT0004	5.0	0.87	3.74	0.0	PT
NSPT0005	10.0	1.19	0.84	0.0	PT
incl	4.0	1.40		0.0	PT
NSPT0006	4.0	1.40	0.65	0.0	PT
incl	2.0	2.25		0.0	PT
NSPT0007	9.0	1.02	1.10	0.0	PT
incl	2.0	1.14		7.0	PT
NSPT0008	13.0	1.30	1.14	0.0	PT
incl	10.0	1.44		0.0	PT
NSPT0009	12.0	1.25	1.08	0.0	PT
incl	8.0	1.36		0.0	PT
NSPT0010	10.9	0.95	2.92	0.0	PT
incl	4.0	1.11		0.0	PT
NSPT0011	6.0	0.89	0.27	0.0	PT
incl	2.0	1.38		0.0	PT
NSPT0012	2.0	1.16	NSR	0.0	PT
NSPT0013	11.8	1.35	1.24	0.0	PT
incl	4.0	1.90		0.0	PT
NSPT0014	10.0	1.18	0.70	0.0	PT
incl	4.0	1.92		0.0	PT
NSPT0015	11.8	1.25	1.87	0.0	PT
incl	6.0	1.45		0.0	PT
NSPT0016	2.0	1.15	0.20	0.0	PT
NSPT0017	10.0	1.08	1.98	0.0	PT
incl	4.0	1.70		0.0	PT
NSPT0018	5.0	1.36	0.66	0.0	PT
incl	2.0	2.45		0.0	PT

APPENDIX II: DRILL HOLE COLLAR DATA – TABLE 3

Hole ID	Easting	Northing	RL	Depth
KYHA0537	538799	8479199	1090	12
KYHA0538	539001	8480001	1090	11
KYHA0541	542401	8477202	1099	8
KYHA0543	539193	8477995	1081	14
KYHA0544	540808	8479998	1101	11
KYHA0547	542804	8480765	1122	7
KYHA0548	543233	8481216	1125	6
KYHA0549	542798	8481202	1116	10
KYHA0550	542473	8481682	1117	11
KYHA0552	543210	8482410	1123	9
KYHA0553	541999	8481646	1114	10
KYHA0554	541156	8482000	1111	11
KYHA0555	541650	8480401	1104	8
KYHA0556	541604	8477602	1096	8
KYHA0557	542842	8478395	1119	11
KYHA0558	543609	8477238	1118	12
KYHA0559	543982	8476437	1113	6
KYHA0560	541599	8478801	1116	2
KYHA0561	543613	8482794	1123	12
KYHA0562	544024	8482769	1126	8
KYHA0563	542002	8479195	1116	11
KYHA0564	541799	8479202	1117	9
KYHA0565	542400	8480001	1125	3
KYHA0566	539397	8479194	1094	13
KYHA0567	539998	8479197	1093	11
KYHA0568	540597	8479200	1105	12
KYHA0569	540798	8478800	1108	16
KYHA0570	537999	8477630	1076	8
KYHA0572	540431	8476778	1079	8
KYHA0573	542814	8479974	1128	9
KYHA0576	543209	8477173	1110	12
KYHA0577	542402	8477991	1108	10
KYHA0583	544803	8476397	1115	10
KYHA0584	547199	8476799	1150	10
KYHA0585	546829	8476794	1145	2
KYHA0586	547602	8476801	1149	12

Hole ID	Easting	Northing	RL	Depth
KYHA0587	547601	8476400	1145	8
KYHA0588	546402	8476804	1135	4
KYHA0589	545999	8476384	1132	1.7
KYHA0590	546400	8476397	1138	1.5
KYHA0591	546800	8476401	1146	11
KYHA0592	547199	8476400	1149	11
KYHA0593	545599	8476000	1133	11
KYHA0594	545197	8475999	1129	12
KYHA0595	545606	8475600	1128	5
KYHA0596	545188	8475605	1124	10
KYHA0597	545199	8475202	1122	10
KYHA0598	545603	8475199	1133	7
KYHA0599	545599	8474803	1125	6
KYHA0600	545190	8474800	1113	8
KYHA0601	545598	8474401	1117	4
KYHA0602	544798	8474400	1121	10
KYHA0603	545200	8474399	1120	7
KYHA0604	544398	8474398	1119	12
KYHA0605	544001	8474400	1115	10
KYHA0606	543599	8474400	1109	10
KYHA0607	543598	8474001	1112	8
KYHA0608	543594	8473605	1112	9
KYHA0609	543597	8473200	1119	12
KYHA0610	542384	8473200	1104	10
KYHA0611	542825	8473197	1097	7
KYHA0612	543199	8473199	1111	13
KYHA0613	543198	8472402	1115	13
KYHA0614	543600	8472399	1116	9
KYHA0615	543600	8472799	1120	8
KYHA0616	543200	8472800	1105	7
KYHA0617	542800	8472802	1098	7
KYHA0618	542401	8472798	1103	8
KYHA0619	542390	8472355	1099	5
KYHA0620	542799	8472399	1102	8
KYHA0621	542799	8472005	1103	9
KYHA0622	543200	8484401	1116	9

Hole ID	Easting	Northing	RL	Depth
KYHA0623	542800	8484402	1115	12
KYHA0624	542001	8484400	1105	12
KYHA0625	542401	8484402	1112	12
KYHA0626	543601	8484401	1118	12
KYHA0627	544002	8484400	1122	13
KYHA0628	544398	8484399	1122	12
KYHA0629	544800	8484401	1124	12
KYHA0630	543600	8484000	1120	13
KYHA0631	543201	8484001	1117	11
KYHA0632	542798	8484001	1115	12
KYHA0633	542402	8483999	1111	13
KYHA0634	542000	8483998	1105	13
KYHA0635	542400	8483600	1103	7
KYHA0636	542801	8483602	1107	8
KYHA0637	543208	8483601	1111	9
KYHA0638	543201	8483203	1108	7
KYHA0639	542798	8483202	1103	4
KYHA0640	542402	8483199	1101	6
KYHA0641	542401	8482801	1111	12
KYHA0642	542798	8482800	1109	5
KYHA0643	538009	8480008	1071	11
KYHA0644	537607	8480002	1061	7
KYHA0645	537200	8479999	1058	6
KYHA0646	538405	8479996	1082	6
KYHA0647	536806	8480400	1064	12
KYHA0648	537204	8480404	1071	12
KYHA0649	537600	8480403	1073	7
KYHA0650	537601	8479601	1069	12
KYHA0651	537115	8479603	1055	7
KYHA0652	538399	8479602	1085	11
KYHA0653	536796	8479603	1055	8
KYHA0654	538002	8480800	1084	12
KYHA0655	537605	8480808	1081	7
KYHA0656	536830	8480037	1053	8
KYHA0657	538005	8479606	1079	9
KYHA0658	537961	8480383	1070	7
KYHA0659	545600	8482806	1121	5
KYHA0660	545895	8482840	1115	5

Hole ID	Easting	Northing	RL	Depth
KYHA0661	545572	8482441	1120	6
KYHA0662	545196	8481997	1121	8
KYHA0663	546017	8481987	1118	6
KYHA0664	545191	8481584	1124	8
KYHA0665	545598	8481601	1119	6
KYHA0666	545186	8481165	1129	4
KYHA0667	545212	8480792	1127	5
KYHA0668	545198	8480401	1129	5
KYHA0669	545599	8481201	1123	5
KYHA0670	545634	8480776	1126	3
KYHA0671	545198	8480008	1131	4
KYHA0672	545616	8480379	1130	6
KYHA0673	545600	8480002	1137	10
KYHA0674	545198	8479601	1139	6
KYHA0675	545601	8479602	1142	12
KYHA0676	545989	8482401	1112	5
KYHA0677	545599	8481998	1117	5
KYHA0678	546395	8482802	1110	5
KYHA0679	546800	8482800	1111	3
KYHA0680	547197	8482799	1119	5
KYHA0681	546003	8483206	1121	10
KYHA0682	546798	8483203	1106	4
KYHA0683	546399	8483601	1119	13
KYHA0684	547604	8483200	1115	8
KYHA0685	547600	8482799	1121	12
KYHA0686	546003	8483602	1124	11
KYHA0687	546799	8483597	1111	8
KYHA0688	547199	8483599	1103	8
KYHA0689	546795	8484006	1114	11
KYHA0690	546002	8483997	1121	4
KYHA0691	545994	8484400	1113	2
KYHA0692	546401	8484400	1114	11
KYHA0693	546800	8484401	1112	11
KYHA0694	547584	8483578	1106	2
KYHA0695	547987	8483997	1112	8
KYHA0696	548402	8483600	1121	11
KYHA0697	548032	8483560	1110	4
KYHA0698	548400	8484000	1119	5

Hole ID	Easting	Northing	RL	Depth
KYHA0699	548400	8484400	1116	11
KYHA0700	547651	8484004	1104	5
KYHA0701	547594	8484405	1099	5
KYHA0702	546800	8485202	1105	8
KYHA0703	546800	8485597	1109	9
KYHA0704	546804	8485997	1109	10
KYHA0705	547198	8486001	1099	3
KYHA0706	547193	8485258	1096	6
KYHA0707	547596	8485600	1092	6
KYHA0708	546828	8484803	1104	6
KYHA0709	547561	8486030	1089	2
KYHA0710	547997	8486003	1093	8
KYHA0711	548400	8485999	1101	11
KYHA0712	548797	8486001	1104	12
KYHA0713	549196	8485998	1103	11
KYHA0714	548400	8485603	1108	11
KYHA0715	547686	8484707	1099	2
KYHA0716	547636	8485212	1095	2
KYHA0717	548008	8485215	1107	12
KYHA0718	548396	8485201	1113	12
KYHA0719	548800	8485202	1115	13
KYHA0720	549199	8485197	1112	11
KYHA0721	548405	8484797	1115	11
KYHA0722	547190	8484403	1104	9
KYHA0723	548026	8484382	1111	3
KYHA0724	536398	8477202	1085	3
KYHA0725	536006	8476809	1083	5
KYHA0726	535998	8476396	1088	8
KYHA0727	537601	8476414	1094	9.5
KYHA0728	536002	8475600	1099	9
KYHA0729	536406	8475603	1095	6
KYHA0730	535999	8475992	1090	4
KYHA0731	536786	8475625	1100	11
KYHA0732	538799	8473199	1113	2.5
KYHA0733	539201	8473200	1118	6
KYHA0734	537601	8472801	1116	10
KYHA0735	538351	8472823	1114	2.7
KYHA0736	538400	8471999	1123	4

Hole ID	Easting	Northing	RL	Depth
KYHA0737	538401	8471600	1128	10
KYHA0738	538795	8471600	1134	11
KYHA0739	539202	8471601	1139	11
KYHA0740	539598	8471600	1146	10
KYHA0741	539998	8471600	1145	9
KYHA0742	540403	8471599	1136	7
KYHA0743	537600	8471600	1123	12
KYHA0744	538001	8471599	1124	7
KYHA0745	538399	8471199	1127	9
KYHA0746	539197	8471197	1132	4
KYHA0747	538801	8470802	1123	5
KYHA0748	537599	8472000	1122	10
KYHA0749	538405	8472381	1119	5
KYHA0750	538799	8472400	1130	5
KYHA0751	538001	8472397	1113	6
KYHA0752	537594	8472400	1120	12
KYHA0753	537210	8472395	1119	11
KYHA0754	537201	8471602	1116	10
KYHA0755	538000	8470796	1115	7
KYHA0756	538402	8470802	1118	6
KYHA0757	539600	8470802	1139	9
KYHA0758	537599	8471199	1120	11
KYHA0759	537600	8470802	1113	11
KYHA0760	539199	8470795	1130	6
KYHA0761	539993	8470800	1146	12
KYHA0762	540399	8472398	1134	6
KYHA0763	539999	8471198	1146	10
KYHA0764	539209	8470394	1126	6
KYHA0765	538399	8470400	1115	5
KYHA0766	539995	8470400	1144	14
KYHA0767	538401	8470001	1120	8
KYHA0768	539599	8470005	1140	12
KYHA0769	539197	8470002	1136	12
KYHA0770	538798	8469996	1130	12
KYHA0771	539203	8469598	1143	10
KYHA0772	539203	8469198	1146	14
KYHA0773	538801	8469198	1137	15
KYHA0774	538400	8469202	1130	4

Hole ID	Easting	Northing	RL	Depth
KYHA0775	538396	8469598	1122	3
KYHA0776	539601	8474794	1112	13
KYHA0777	540402	8474801	1110	8
KYHA0778	541204	8474801	1104	5
KYHA0779	541600	8474801	1099	8
KYHA0780	540799	8474795	1106	5
KYHA0781	539200	8474400	1113	11
KYHA0782	541599	8474401	1105	6
KYHA0783	541599	8474001	1110	12
KYHA0784	540797	8474399	1115	12
KYHA0785	540799	8473601	1118	12
KYHA0786	540802	8473200	1117	7
KYHA0787	540798	8474001	1119	13
KYHA0788	541200	8473998	1114	12
KYHA0789	540399	8473200	1122	8
KYHA0790	540799	8472802	1122	5
KYHA0791	539998	8473200	1129	11
KYHA0792	541199	8473202	1116	8
KYHA0793	541554	8473602	1114	3
KYHA0794	541588	8472783	1121	10
KYHA0795	541599	8473200	1119	13
KYHA0796	541997	8472799	1115	11
KYHA0797	542848	8474005	1095	7
KYHA0798	546803	8477198	1148	11
KYHA0799	547202	8477200	1151	12
KYHA0800	547600	8477200	1151	12
KYHA0801	547600	8477602	1147	12
KYHA0802	547603	8479612	1145	11
KYHA0803	548401	8479201	1142	12
KYHA0804	549199	8479602	1132	11
KYHA0805	549201	8479202	1133	11
KYHA0806	548400	8479601	1134	4
KYHA0807	548003	8479197	1145	10
KYHA0808	547596	8479197	1149	9
KYHA0809	547203	8479202	1150	12
KYHA0810	549202	8478796	1129	4
KYHA0811	548799	8479198	1138	12
KYHA0812	550000	8479598	1123	10

Hole ID	Easting	Northing	RL	Depth
KYHA0813	549597	8479214	1128	3
KYHA0814	550001	8479198	1119	6
KYHA0815	549565	8478793	1121	6
KYHA0816	547999	8477602	1143	12
KYHA0816	547999	8477602	1143	12
KYHA0817	548003	8477202	1145	12
KYHA0818	548399	8478798	1144	12
KYHA0819	548026	8476793	1142	10
KYHA0820	547999	8476402	1139	8
KYHA0821	546399	8479201	1140	5
KYHA0822	545998	8479199	1145	11
KYHA0823	545598	8479198	1147	13
KYHA0824	545198	8479199	1145	11
KYHA0825	546827	8479182	1145	11
KYHA0826	547199	8477600	1149	13
KYHA0827	545203	8478802	1147	13
KYHA0828	545598	8478803	1148	11
KYHA0829	545999	8478801	1147	12
KYHA0830	546401	8478801	1148	13
KYHA0831	546799	8478801	1150	10
KYHA0832	546800	8478400	1153	13
KYHA0833	547600	8478000	1139	9
KYHA0834	547996	8478001	1136	9
KYHA0835	549585	8478449	1121	2
KYHA0836	549198	8478387	1129	8
KYHA0837	548799	8478402	1136	12
KYHA0838	548400	8478399	1140	12
KYHA0839	548000	8478400	1143	12
KYHA0840	547639	8478437	1147	13
KYHA0842	547603	8478800	1152	13
KYHA0843	546000	8478398	1147	13
KYHA0844	546400	8478400	1150	13
KYHA0845	545599	8478401	1146	10
KYHA0846	545199	8478397	1144	12
KYHA0847	546001	8477999	1141	8
KYHA0848	545603	8477999	1137	8
KYHA0849	545202	8478002	1137	13
KYHA0850	545201	8477602	1126	10

Hole ID	Easting	Northing	RL	Depth
KYHA0851	545602	8477601	1129	9
KYHA0852	544001	8475595	1111	8
KYHA0853	544398	8475603	1116	9
KYHA0854	544802	8475601	1120	11
KYHA0855	543979	8475206	1105	8
KYHA0856	544399	8475200	1110	8
KYHA0857	544819	8475194	1114	6
KYHA0858	544000	8475999	1104	6
KYHA0859	544399	8476002	1112	8
KYHA0860	544800	8476004	1122	11
KYHA0861	544799	8474803	1107	5
KYHA0862	544402	8474799	1106	7
KYHA0863	544000	8474803	1103	5
KYHA0864	543598	8474802	1098	7
KYHA0865	543200	8474801	1091	5
KYHA0866	542826	8474786	1086	6
KYHA0867	542799	8473598	1098	11
KYHA0868	543190	8473603	1109	13
KYHA0869	543188	8473995	1108	8
KYHA0870	543200	8474403	1103	8
KYHA0871	551604	8486804	1094	10
KYHA0872	552000	8486804	1089	7
KYHA0873	551199	8486799	1102	13
KYHA0874	551199	8487198	1107	11
KYHA0875	551600	8487199	1108	11
KYHA0876	552002	8487200	1108	12
KYHA0877	552397	8487201	1110	12
KYHA0878	552799	8487202	1109	13
KYHA0879	553211	8487215	1110	7
KYHA0880	554000	8487602	1127	12
KYHA0881	553600	8487598	1125	12
KYHA0882	553197	8487601	1122	11
KYHA0883	552797	8487600	1120	12
KYHA0884	552399	8487603	1119	11
KYHA0885	552801	8488002	1123	12
KYHA0886	551995	8487600	1115	13
KYHA0887	551600	8487598	1111	12
KYHA0888	551199	8487598	1108	12

Hole ID	Easting	Northing	RL	Depth
KYHA0889	554393	8488399	1117	7
KYHA0890	554000	8488399	1119	10
KYHA0891	553602	8488399	1117	8
KYHA0892	554002	8488003	1125	12
KYHA0893	553599	8488001	1124	13
KYHA0894	553200	8488003	1123	12
KYHA0895	553198	8488400	1118	10
KYHA0896	552799	8488402	1120	13
KYHA0897	552399	8488001	1121	12
KYHA0889	554393	8488399	1117	7
KYHA0890	554000	8488399	1119	10
KYHA0891	553602	8488399	1117	8
KYHA0892	554002	8488003	1125	12
KYHA0893	553599	8488001	1124	13
KYHA0894	553200	8488003	1123	12
KYHA0895	553198	8488400	1118	10
KYHA0896	552799	8488402	1120	13
KYHA0897	552399	8488001	1121	12
KYPT0185	542230	8481487	1111	6.0
KYPT0186	542543	8481323	1113	7.0
KYPT0187	539800	8474400	1121	13.0
KYPT0189	544957	8480648	1133	6.0
KYPT0190	539801	8474000	1126	14.0
KYPT0191	540203	8474400	1121	12.0
KYPT0192	539401	8474000	1120	14.0
KYPT0193	540201	8474002	1125	13.0
KYPT0194	539802	8473602	1127	12.0
KYPT0195	539799	8473200	1130	13.0
KYPT0196	539399	8473598	1122	10.0
KYPT0197	539400	8473200	1124	10.0
KYPT0198	539798	8472799	1138	14.0
KYPT0199	538998	8472802	1126	12.0
KYPT0200	538999	8472399	1135	14.0
KYPT0201	539800	8472398	1146	14.0
KYPT0202	539391	8472807	1133	7.7
KYPT0203	539537	8472406	1153	7.6
KYPT0204	540198	8472003	1141	11.0
KYPT0205	539798	8471997	1149	13.0

Hole ID	Easting	Northing	RL	Depth
KYPT0206	539400	8471971	1152	4.9
KYPT0207	540198	8472800	1133	12.0
KYPT0208	540202	8472397	1138	9.7
KYPT0209	539001	8472001	1138	13.0
KYPT0210	537000	8477800	1085	11.0
KYPT0212	537000	8477400	1089	10.8
KYPT0213	537400	8477400	1089	11.0
KYPT0214	537400	8477000	1093	10.8
KYPT0215	537000	8477000	1092	11.0
KYPT0216	537400	8477800	1083	10.3
KYPT0217	537800	8477800	1075	7.4
KYPT0218	537000	8476600	1097	10.0
KYPT0219	543802	8472199	1121	3.2
KYPT0220	543401	8472201	1120	12.0
KYPT0221	543000	8472199	1113	9.0
NSHA0138	546000	8462202	1182	4
NSHA0139	546400	8462201	1186	11
NSHA0140	546801	8462200	1183	6
NSHA0141	547202	8462207	1188	13
NSHA0142	547600	8462202	1191	13
NSHA0143	548000	8462202	1191	11
NSHA0144	548401	8462203	1186	10
NSHA0145	548799	8462199	1182	11
NSHA0146	549193	8462180	1179	12
NSHA0147	549600	8462200	1175	13
NSHA0148	549999	8462205	1175	10
NSHA0149	547400	8457800	1186	12
NSHA0150	547800	8457802	1190	10
NSHA0151	548199	8457800	1199	12
NSHA0152	548596	8457796	1202	13
NSHA0153	549001	8457798	1198	8
NSHA0154	549400	8457798	1193	8
NSHA0155	549800	8457801	1189	8
NSHA0156	546799	8461100	1199	11
NSHA0157	547200	8461097	1197	11
NSHA0158	545199	8461099	1184	12
NSHA0159	546399	8461098	1198	12
NSHA0160	545601	8461099	1191	12

Hole ID	Easting	Northing	RL	Depth
NSHA0161	545999	8461101	1196	12
NSHA0162	547601	8461100	1189	11
NSHA0163	548002	8461103	1177	5
NSHA0164	548400	8454003	1205	8
NSHA0165	548799	8454004	1215	10
NSHA0166	549201	8454000	1221	9
NSHA0167	549604	8454000	1212	12
NSHA0168	550001	8453999	1200	13
NSHA0169	550397	8454004	1188	5
NSHA0170	551608	8454005	1181	7
NSHA0171	552001	8453999	1177	7
NSHA0172	552810	8453996	1185	10
NSHA0173	553199	8454000	1188	12
NSHA0174	553597	8454010	1189	11
NSHA0175	553999	8454000	1186	12
NSHA0176	554398	8454001	1181	10
NSHA0177	549200	8449598	1233	13
NSHA0178	549599	8449599	1241	7
NSHA0179	550000	8449601	1231	12
NSHA0180	550399	8449568	1224	9
NSHA0181	550801	8449598	1222	13
NSHA0182	551200	8449600	1216	9
NSHA0183	551606	8449623	1212	11
NSHA0184	546799	8475600	1152	12
NSHA0185	546399	8475000	1142	11
NSHA0186	546800	8475000	1146	10
NSHA0187	546399	8474398	1127	6
NSHA0188	546801	8474401	1135	7
NSHA0189	546399	8475601	1146	13
NSHA0190	548799	8475603	1139	5
NSHA0191	549202	8475597	1137	7
NSHA0192	549602	8475598	1141	10
NSHA0193	548800	8475000	1141	6
NSHA0194	549195	8474997	1146	11
NSHA0195	549600	8474998	1151	11
NSHA0196	549601	8474400	1157	11
NSHA0197	549199	8474399	1152	10
NSHA0198	548800	8474400	1144	6

Hole ID	Easting	Northing	RL	Depth
NSHA0199	549201	8473595	1158	12
NSHA0200	544405	8472007	1129	11
NSHA0201	548001	8470000	1146	4
NSHA0202	548398	8470000	1153	9
NSHA0203	549199	8470001	1172	11
NSHA0204	550000	8470000	1181	3
NSHA0205	550800	8469997	1183	13
NSHA0206	551599	8470003	1183	10
NSHA0207	552399	8470001	1180	11
NSHA0208	549200	8466799	1173	5
NSHA0209	548800	8466797	1179	13
NSHA0210	548398	8466797	1182	16
NSHA0211	548001	8466805	1182	9
NSHA0212	548000	8468400	1151	5
NSHA0213	548401	8468401	1155	7
NSHA0214	547998	8469199	1150	10
NSHA0215	548396	8469200	1153	8
NSHA0216	540399	8469200	1151	12
NSHA0217	541201	8469198	1139	12
NSHA0218	540401	8466798	1153	13
NSHA0219	540801	8467600	1152	12
NSHA0220	548001	8467597	1163	9
NSHA0221	544402	8465999	1159	8
NSHA0222	545199	8465992	1157	11
NSHA0223	546000	8465200	1168	11
NSHA0224	545600	8465201	1169	10
NSHA0225	545200	8465200	1165	12
NSHA0226	544801	8465185	1159	14
NSHA0227	544400	8465200	1155	10
NSHA0228	541999	8464799	1157	12
NSHA0229	542401	8464802	1155	13
NSHA0230	542800	8464800	1150	10
NSHA0231	542800	8464001	1159	12
NSHA0232	543199	8464003	1151	8
NSHA0233	544782	8463403	1164	10
NSHA0234	545200	8463401	1172	13
NSHA0235	545600	8463400	1178	13
NSHA0236	546000	8463397	1182	11

Hole ID	Easting	Northing	RL	Depth
NSHA0237	546400	8463400	1181	14
NSHA0238	546801	8463399	1173	2
NSHA0239	547199	8463400	1170	12
NSHA0240	547568	8463402	1180	10
NSHA0241	548000	8463398	1185	13
NSHA0242	548400	8463399	1181	9
NSHA0243	548800	8463400	1174	12
NSHA0244	549200	8463400	1166	7
NSHA0245	549600	8463400	1162	6
NSHA0246	550000	8463400	1162	7
NSHA0247	549198	8464401	1170	12
NSHA0248	548800	8464401	1175	11
NSHA0249	548400	8464399	1180	12
NSHA0250	548000	8464403	1181	14
NSHA0251	549999	8464400	1157	8
NSHA0252	549600	8464401	1165	10
NSHA0253	547601	8464400	1174	9
NSHA0254	547201	8464398	1164	5
NSHA0255	546779	8464397	1165	9
NSHA0256	546400	8464401	1173	10
NSHA0257	546000	8464400	1174	11
NSHA0258	545601	8464404	1171	15
NSHA0259	545201	8464403	1161	6
NSHA0260	544800	8464400	1155	8
NSHA0261	544000	8471998	1125	12
NSHA0262	543600	8471998	1122	13
NSHA0263	543199	8471997	1119	9
NSHA0264	547200	8476000	1150	12
NSHA0265	546800	8476000	1150	12
NSHA0266	546400	8476000	1145	12
NSHA0267	546000	8476000	1136	10
NSHA0268	546000	8475600	1137	3
NSHA0269	544400	8473997	1127	11
NSHA0270	544000	8474000	1120	4
NSHA0271	548400	8476000	1146	12
NSHA0272	548000	8476000	1147	11
NSHA0273	547600	8476000	1145	9
NSHA0274	547203	8473987	1147	8

Hole ID	Easting	Northing	RL	Depth
NSHA0275	547600	8474000	1156	12
NSHA0276	548000	8473999	1153	10
NSHA0277	548000	8473200	1163	11
NSHA0278	547600	8473200	1165	13
NSHA0279	547600	8472401	1170	13
NSHA0280	547201	8472401	1164	12
NSHA0281	547187	8471608	1157	5
NSHA0282	547599	8471603	1166	12
NSHA0283	548000	8471599	1169	12
NSHA0284	547202	8470398	1154	11
NSHA0285	547600	8470400	1155	12
NSHA0286	548000	8470800	1160	12
NSHA0287	544400	8473200	1133	12
NSHA0288	544400	8472400	1127	11
NSHA0289	544400	8471600	1124	10
NSHA0290	544001	8471199	1112	8
NSHA0291	544401	8471131	1111	9
NSHA0292	542847	8471200	1100	6
NSHA0293	543200	8471200	1113	12
NSHA0294	543609	8471250	1108	9
NSHA0295	543198	8470399	1116	11
NSHA0296	543599	8470398	1110	7
NSHA0297	544000	8470400	1124	12
NSHA0298	544400	8470400	1125	9
NSHA0299	544399	8470797	1120	8
NSHA0300	542800	8470398	1118	11
NSHA0301	544400	8470001	1130	11
NSHA0302	542402	8469600	1131	12
NSHA0303	542800	8469600	1131	12
NSHA0304	543200	8469600	1127	13
NSHA0305	543587	8469601	1113	8
NSHA0306	544000	8469600	1127	13
NSHA0307	544400	8469600	1132	14
NSHA0308	544797	8469189	1129	11
NSHA0309	544771	8469609	1128	6
NSHA0310	544800	8468834	1130	8
NSHA0311	544400	8468800	1138	12
NSHA0312	543999	8468804	1133	9

Hole ID	Easting	Northing	RL	Depth
NSHA0313	546800	8468830	1151	11
NSHA0314	547200	8468000	1162	11
NSHA0315	546801	8467998	1166	13
NSHA0316	546400	8468000	1165	12
NSHA0317	546000	8467999	1158	12
NSHA0318	545601	8468000	1150	12
NSHA0319	547187	8468800	1151	3
NSHA0320	542000	8468800	1136	6
NSHA0321	542400	8468798	1139	13
NSHA0322	542802	8468801	1134	13
NSHA0323	543241	8468800	1123	8
NSHA0324	543602	8468799	1120	10
NSHA0325	547600	8468000	1155	8
NSHA0326	542802	8467999	1135	11
NSHA0327	542400	8468002	1142	11
NSHA0328	542000	8468003	1147	11
NSHA0329	541599	8468005	1147	15
NSHA0330	541200	8467200	1157	12
NSHA0331	541602	8467201	1154	9
NSHA0332	542000	8467203	1145	8
NSHA0333	542001	8466402	1142	10
NSHA0334	541596	8466401	1146	7
NSHA0335	541204	8466401	1156	11
NSHA0336	546400	8467200	1166	13
NSHA0337	546800	8467200	1169	13
NSHA0338	545994	8467209	1159	12
NSHA0339	545627	8467229	1152	9
NSHA0340	545201	8467201	1140	7
NSHA0341	544784	8467160	1145	3
NSHA0342	545199	8468001	1138	7
NSHA0343	544800	8467996	1137	7
NSHA0344	544399	8467998	1143	12
NSHA0345	544002	8468004	1141	10
NSHA0346	544400	8467201	1149	12
NSHA0347	544001	8467201	1147	13
NSHA0348	543600	8467202	1141	9
NSHA0349	543201	8467200	1130	6
NSHA0350	543601	8468001	1132	11

Hole ID	Easting	Northing	RL	Depth
NSHA0351	543200	8467999	1123	6
NSHA0352	543203	8466395	1137	11
NSHA0353	543609	8466406	1146	13
NSHA0354	543999	8466401	1153	13
NSHA0355	544399	8466400	1156	13
NSHA0356	544802	8466400	1154	13
NSHA0357	545201	8466399	1147	8
NSHA0358	545600	8466400	1147	6
NSHA0359	545997	8466401	1147	6
NSHA0360	546001	8465998	1152	9
NSHA0361	544398	8465601	1159	12
NSHA0362	544802	8465600	1162	10
NSHA0363	545200	8465600	1163	13
NSHA0364	545600	8465601	1164	12
NSHA0365	546003	8465600	1162	10
NSHA0366	545198	8464801	1162	11
NSHA0367	545600	8464799	1170	13
NSHA0368	545997	8464800	1172	13
NSHA0369	542001	8464399	1164	12
NSHA0370	542398	8464404	1161	12
NSHA0371	542799	8464405	1155	13
NSHA0372	545999	8475202	1141	12
NSHA0373	546401	8475199	1145	13
NSHA0374	546802	8475201	1149	12
NSHA0375	547198	8475200	1154	12
NSHA0376	547610	8475181	1157	9
NSHA0377	547999	8475199	1154	12
NSHA0378	548398	8475199	1144	6
NSHA0379	548801	8475201	1140	7
NSHA0380	549201	8475199	1143	7
NSHA0381	549599	8475200	1148	12
NSHA0382	546790	8469552	1134	4
NSHA0383	547195	8469582	1137	6
NSHA0384	547601	8469602	1140	8
NSHA0385	549599	8474800	1153	13
NSHA0386	547601	8474798	1157	10
NSHA0387	548000	8474800	1155	12
NSHA0388	548400	8474800	1147	10

Hole ID	Easting	Northing	RL	Depth
NSHA0389	549126	8474770	1145	10
NSHA0390	548800	8474800	1142	10
NSHA0391	545999	8474800	1135	11
NSHA0392	546400	8474800	1136	11
NSHA0393	546773	8474772	1139	9
NSHA0394	547202	8474801	1150	10
NSHA0395	543998	8473200	1126	11
NSHA0396	545982	8474427	1123	7
NSHA0397	544023	8472412	1123	7
NSHA0389	549126	8474770	1145	10
NSHA0390	548800	8474800	1142	10
NSHA0391	545999	8474800	1135	11
NSHA0392	546400	8474800	1136	11
NSHA0393	546773	8474772	1139	9
NSHA0394	547202	8474801	1150	10
NSHA0395	543998	8473200	1126	11
NSHA0396	545982	8474427	1123	7
NSHA0397	544023	8472412	1123	7
NSPT0001	543800	8471801	1124	11.0
NSPT0002	544599	8472201	1131	11.4
NSPT0003	544598	8471799	1130	10.0
NSPT0004	544600	8471399	1121	6.0
NSPT0005	544200	8471801	1126	10.0
NSPT0006	544208	8471458	1116	5.0
NSPT0007	544200	8472202	1126	9.0
NSPT0008	543399	8471803	1121	13.0
NSPT0009	543399	8471399	1117	12.9
NSPT0010	544198	8470599	1125	10.9
NSPT0011	544200	8469400	1132	12.6
NSPT0012	544600	8469400	1132	10.0
NSPT0013	544202	8469000	1135	12.0
NSPT0014	544201	8468600	1138	11.0
NSPT0015	544200	8468201	1141	11.8
NSPT0016	542999	8471800	1112	11.0
NSPT0017	544200	8467800	1144	11.0
NSPT0018	543799	8471402	1113	5.0
NSPT0019	544204	8467403	1147	13.0
NSPT0020	544594	8469000	1135	11.0

Hole ID	Easting	Northing	RL	Depth
NSPT0021	543800	8467398	1142	10.0
NSPT0023	543801	8467800	1140	10.0
NSPT0024	544595	8468604	1137	9.0
NSPT0025	543800	8468201	1136	9.0
NSPT0026	544589	8468199	1141	10.0
NSPT0027	543794	8468605	1129	4.0
NSPT0028	545801	8465000	1170	12.0
NSPT0029	545400	8465000	1167	12.5
NSPT0030	545000	8465400	1162	11.0
NSPT0031	545001	8465001	1160	7.0
NSPT0032	545800	8465401	1167	10.5
NSPT0033	545400	8465400	1166	13.0
NSPT0034	544601	8467801	1143	11.0
NSPT0035	544600	8467400	1146	10.0
NSPT0036	545402	8466200	1149	4.2
NSPT0037	545799	8466200	1149	6.0
NSPT0038	545800	8465800	1159	10.0
NSPT0039	545400	8465800	1161	10.0
NSPT0040	546598	8475799	1149	13.0

Hole ID	Easting	Northing	RL	Depth
NSPT0042	547002	8474993	1149	11.0
NSPT0043	547403	8474998	1155	13.0
NSPT0044	546223	8475008	1141	13.7
NSPT0045	547005	8475798	1152	11.0
NSPT0046	546597	8475000	1143	9.0
NSPT0047	546601	8475399	1149	13.0
NSPT0048	547399	8474600	1154	12.0
NSPT0049	547001	8475400	1152	12.0
NSPT0050	547403	8475401	1155	12.0
NSPT0051	546989	8474606	1141	8.0
NSPT0052	547802	8475398	1155	12.0
NSPT0053	547799	8474602	1158	13.0
NSPT0054	548194	8475395	1150	10.0
NSPT0055	547799	8474999	1157	13.0
NSPT0056	548600	8475798	1144	10.0
NSPT0057	547401	8475800	1151	4.0
NSPT0058	548200	8475800	1149	4.6
NSPT0059	547802	8475799	1150	10.0

APPENDIX III: JORC CODE, 2012 EDITION – TABLE 1

SECTION 1 - SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	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 auger samples are composited based on regolith boundaries and sample chemistry, generated by hand-held XRF analysis. Each 1m of sample is dried and riffle-split to generate a total sample weight of 3kg for analysis, generally at 2 - 5m intervals. This primary sample is then split again to provide a 1.5kg sample for both rutile and graphite analyses. Push tube/core drilling is sampled routinely at 2m intervals by compositing dried and riffle-split half core. A consistent, 1.5kg sample is generated for both the rutile and graphite determination.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Drilling and sampling activities are supervised by a suitably qualified Company geologist who is present at all times. All drill samples are geologically logged by the geologist at the drill site/core yard. Each sample is sun dried and homogenised. Sub-samples are carefully riffle split to ensure representivity. The 1.5kg composite samples are then processed. An equivalent mass is taken from each sample to make up the composite. A calibration schedule is in place for laboratory scales, sieves and field XRF equipment. Placer Consulting Pty Ltd (Placer) Resource Geologists have reviewed Standard Operating Procedures (SOPs) for the collection and processing of drill samples and found them to be fit for purpose. The primary composite sample is considered representative for this style of rutile mineralisation.
	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.	Logged mineralogy percentages, lithology information and TiO_2% obtained from handheld XRF are used to determine compositing intervals. Care is taken to ensure that only samples with similar geological characteristics are composited together
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).*	A total of 607 hand auger holes for 5,724m were drilled at the Kasiya-Nsaru Rutile Deposit to obtain samples for quantitative determination of recoverable rutile and Total Graphitic Carbon (TGC). A total of 92 push-tube core holes, for 950.4m, were drilled at the Kasiya-Nsaru Rutile Deposit to obtain samples for quantitative determination of recoverable rutile and Total Graphitic Carbon (TGC). Placer has reviewed SOPs for hand-auger and push-tube drilling and found them to be fit for purpose and support the resource classifications as applied to the MRE. Sample handling and preparation techniques is consistent for push-tube and coring samples. Hand-auger drilling is completed with 75mm diameter enclosed spiral bits (SOS) with 1-metre-long steel rods. Drilling is oriented vertically by eye. Each 1m of drill sample is collected into separate sample bags and set aside. The auger bits and flights are cleaned between each metre of sampling to avoid contamination. Core-drilling is undertaken using a drop hammer, Dando Terrier MK1. The drilling generated 1-metre runs of 83mm PQ core in the first 2m and then transitioned to 72mm core for the remainder of the hole. Core drilling is oriented vertically by spirit level.
Drill Sample Recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	Samples are assessed visually for recoveries. The configuration of drilling and nature of materials encountered results in negligible sample loss or contamination. Hand-auger drilling is ceased when recoveries become poor once the water table has been reached. Water table and recovery information is included in lithological logs.

Criteria	JORC Code explanation	Commentary
		Core drilling samples are actively assessed by the driller and geologist onsite for recoveries and contamination.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	The Company's trained geologists supervise drilling on a 1 team 1 geologist basis and are responsible for monitoring all aspects of the drilling and sampling process. For push-tube drilling, core is extruded into core trays; slough is actively removed by the driller at the drilling rig and core recovery and quality is recorded by the geologist.
	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.	No relationship is believed to exist between grade and sample recovery. The high percentage of silt and absence of hydraulic inflow from groundwater at this deposit results in a sample size that is well within the expected size range. No bias related to preferential loss or gain of different materials is observed.
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.*	Geologically, data is collected in detail, sufficient to aid in Mineral Resource estimation. All individual 1-metre auger intervals are geologically logged, recording relevant data to a set template using company codes. A small representative sample is collected for each 1-metre interval and placed in appropriately labelled chip trays for future reference. All individual 1-metre core intervals are geologically logged, recording relevant data to a set template using company codes. Half core remains in the trays and is securely stored in the company warehouse.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	All logging includes lithological features and estimates of basic mineralogy. Logging is generally qualitative. The core is photographed dry, after logging and sampling is completed.
	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.*	Due to the soft nature of the material, core samples are carefully cut in half by hand tools.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	Auger and core hole samples are dried, riffle split and composited. Samples are collected and homogenised prior to splitting to ensure sample representivity. ~1.5kg composite samples are processed. An equivalent mass is taken from each primary sample to make up the composite. The primary composite sample is considered representative for this style of mineralisation and is consistent with industry standard practice.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Techniques for sample preparation are detailed on SOP documents verified by Placer Resource Geologists. Sample preparation is recorded on a standard flow sheet and detailed QA/QC is undertaken on all samples. Sample preparation techniques and QA/QC protocols are appropriate for mineral determination.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	The sampling equipment is cleaned after each sub-sample is taken. Field duplicate, laboratory replicate and standard sample geostatistical analysis is employed to manage sample precision and analysis accuracy.
	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.	Sample size analysis is completed to verify sampling accuracy. Field duplicates are collected for precision analysis of riffle splitting. SOPs consider sample representivity. Results indicate a sufficient level of precision for the resource classification.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The sample size is considered appropriate for the material sampled.
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.*	<u>Rutile</u> The Malawi onsite laboratory sample preparation methods are considered quantitative to the point where a heavy mineral concentrate (HMC) is generated. Final results generated are for recovered rutile i.e, the % mass of the sample that is rutile that can be recovered to the non-magnetic component of a HMC.

Criteria	JORC Code explanation	Commentary
		The HMC is prepared via wet-table, gravity separation at the Lilongwe Laboratory which provides an ideal sample for subsequent magnetic separation and XRF. All samples (incl. QA) included in this announcement received the following workflow undertaken on-site in Malawi; • Dry sample in oven for 1 hour at 105℃ • Soak in water and lightly agitate • Wet screen at 5mm, 600µm and 45µm to remove oversize and slimes material • Dry +45µm -600mm (sand fraction) in oven for 1 hour at 105℃ • Pass +45µm -600mm (sand fraction) across wet table to generate a heavy mineral concentrate (HMC) • Dry HMC in oven for 30 minutes at 105℃ Bag HMC fraction and send to Perth, Australia for quantitative chemical and mineralogical determination. All of the sample received the final workflow undertaken at Perth based Laboratories. • Magnetic separation of the HMC by Carpco magnet @ 16,800G (2.9Amps) into a magnetic (M) and non-magnetic (NM) fraction. Work undertaken at Allied Mineral Laboratories (AML) in Perth. • The NM fractions were sent to ALS Perth for quantitative XRF analysis. Samples received XRF_MS. Graphite All samples were processed at Intertek-Genalysis Perth via method C72/CSA. A portion of each test sample is dissolved in dilute hydrochloric acid to liberate carbonate carbon. The solution is filtered using a filter paper and the collected residue is the dried to 425°C in a muffle oven to drive off organic carbon. The dried sample is then combusted in a Carbon/ Sulphur analyser to yield total graphitic or elemental carbon (TGC). The graphitic carbon content is determined by eliminating other carbon forms from the total carbon content. The addition of acid to the sample liberates carbon dioxide thus removing carbonate carbon. Soluble organic carbon will also be removed. Insoluble organic carbon is removed by heating the samples at 425°C in an oxidising environment. The “dried” carbon-bearing sample that is analysed in the resistance furnace is considered to contain only graphitic carbon. An Eltra CS-800 induction furnace infra-red CS analyser is then used to determine the remaining carbon which is reported as Total Graphitic Carbon (TGC) as a percentage.
	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.	Acceptable levels of accuracy and precision have been established. No handheld XRF methods are used for quantitative determination.
	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.	Sovereign uses internal and externally sourced wet screening reference material inserted into samples batches at a rate of 1 in 20. The externally sourced, certified standard reference material for HM and Slimes assessment is provided by Placer Consulting. An external laboratory raw sample duplicate is sent to laboratories in Perth, Australia as an external check of the full workflow. These duplicates are produced at a rate of 1 in 20. Accuracy monitoring is achieved through submission of certified reference materials (CRM’s). ALS and Intertek both use internal CRMs and duplicates on XRF analyses. Sovereign also inserts CRMs into the sample batches at a rate of 1 in 20. Three CRMs used by Sovereign. AMIS0602 (Rutile A) containing TiO_2 XRF 90.62%. The CRM is supplied by African Mineral Standards (AMIS), South Africa.

Criteria	JORC Code explanation	Commentary
		Rutile B containing TiO_2 XRF 70.71%. The CRM is supplied by OREAS and has been designed and matrix matched specifically for Sovereign. Rutile C containing TiO_2 XRF 40.76%. The CRM is supplied by OREAS and has been designed and matrix matched specifically for Sovereign. Analysis of sample duplicates is undertaken by standard geostatistical methodologies (Scatter, Pair Difference and QQ Plots) to test for bias and to ensure that sample splitting is representative. Standards determine assay accuracy performance, monitored on control charts, where failure (beyond 3SD from the mean) may trigger re-assay of the affected batch. Examination of the QA/QC sample data indicates satisfactory performance of field sampling protocols and assay laboratories providing acceptable levels of precision and accuracy. Acceptable levels of accuracy and precision are displayed in geostatistical analyses.
Verification of sampling & assaying	*The verification of significant intersections by either independent or alternative company personnel.*	Results are reviewed in cross-section using Micromine software and any spurious results are investigated. The deposit type and consistency of mineralisation leaves little room for unexplained variance. Extreme high grades are not encountered. Significant mineralisation intersections.
	The use of twinned holes.	Twinned holes are drilled across a geographically-dispersed area to determine short-range geological and assay field variability. Twin drilling is applied at a rate of 1 in 20 routine holes. Acceptable levels of precision are displayed in the geostatistical analysis of twin drilling data. No twin holes are reported here.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	All data are collected initially on paper logging sheets and codified to the Company's templates. This data is hand entered to spreadsheets and validated by Company geologists. This data is then imported to a Datashed5 and validated automatically and then manually. A transition to electronic field and laboratory data capture is underway.
	Discuss any adjustment to assay data.	QEMSCAN of the NM fraction shows dominantly clean and liberated rutile grains and confirms rutile is the only titanium species in the NM fraction. Recovered rutile is therefore defined and reported here as: TiO_2 recovered in the +45 to -600um range to the NM concentrate fraction as a % of the total primary, dry, raw sample mass divided by 95% (to represent an approximation of final product specifications). i.e recoverable rutile within the whole sample.
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.*	A Trimble R2 Differential GPS is used to pick up the hand auger collars. Daily capture at a registered reference marker ensures equipment remains in calibration. No downhole surveying of hand-auger holes is completed. Given the vertical nature and shallow depths of the hand-auger holes, drill hole deviation is not considered to significantly affect the downhole location of samples.
	Specification of the grid system used.	WGS84 UTM Zone 36 South.
	Quality and adequacy of topographic control.	DGPS pickups are considered to be high quality topographic control measures.
Data spacing & distribution	*Data spacing for reporting of Exploration Results.*	The hand auger collars are spaced at nominally 400m along the 400m spaced drill-lines with the push-tube holes similarly spaced at an offset, infill grid. The resultant 200m by 200m drill spacing (to the strike orientation of the deposit) is deemed to adequately define the mineralisation.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The drill spacing and distribution is considered to be sufficient to establish a degree of geological and grade continuity appropriate for a future Mineral Resource estimation.
	Whether sample compositing has been applied.	Individual 1m auger intervals have been composited, based on lithology, at 2 – 5m sample intervals for the 607 auger holes. Core holes have been sampled at a regular 2m interval to provide greater control on mineralisation.
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*	Sample orientation is vertical and approximately perpendicular to the orientation of the mineralisation, which results in true thickness estimates, limited by the sampling interval as applied. Drilling and sampling are carried out on a regular square grid. There is no apparent bias arising from the orientation of the drill holes with respect to the orientation of the deposit.

Criteria	JORC Code explanation	Commentary
	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.	There is no apparent bias arising from the orientation of the drill holes with respect to the orientation of the deposit.
Sample security	*The measures taken to ensure sample security*	Samples are stored in secure storage from the time of drilling, through gathering, compositing and analysis. The samples are sealed as soon as site preparation is complete. A reputable international transport company with shipment tracking enables a chain of custody to be maintained while the samples move from Malawi to Australia. Samples are again securely stored once they arrive and are processed at Australian laboratories. A reputable domestic courier company manages the movement of samples within Perth, Australia. At each point of the sample workflow the samples are inspected by a company representative to monitor sample condition. Each laboratory confirms the integrity of the samples upon receipt.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data*	Richard Stockwell (CP) has reviewed and advised on all stages of data collection, sample processing, QA protocol and mineral resource estimation. Methods employed are considered industry best-practice. Perth Laboratory visits have been completed by Richard. Field and in-country lab visits are precluded, for the time being, by Covid 19 travel restrictions. In these cases, audit is completed by SOP review, site visits by an experienced senior geologist from South Africa and collection of photographs and video during operations. Sovereign Metals Managing Director and CP for all exploration results Julian Stephens has been onsite in Malawi numerous times since the discovery of the Kasiya-Nsaru Deposit.

SECTION 2 - REPORTING OF EXPLORATION RESULTS

Criteria	Explanation	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 the following Exploration Licences (ELs) and Retention Licence (RL) under the Mines and Minerals Act 2019, held in the Company's wholly-owned, Malawi-registered subsidiaries: EL0372, EL0413, EL0492, EL0528, EL0545, EL0561, EL0582 and RL0012 A 5% royalty is payable to the government upon mining and a 2% of net profit royalty is payable to the original project vendor. No significant native vegetation or reserves exist in the area. The region is intensively cultivated for agricultural crops.
	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.*	Sovereign Metals Ltd is a first-mover in the discovery and definition of residual rutile and graphite resources in Malawi. No other parties are involved in exploration.
Geology	*Deposit type, geological setting and style of mineralisation*	The rutile deposit type is considered a residual placer formed by the intense weathering of rutile-rich basement paragneisses and variable enrichment by elluvial processes. Rutile occurs in a mostly topographically flat area west of Malawi's capital, known as the Lilongwe Plain, where a deep tropical weathering profile is preserved. A typical profile from top to base is generally soil ("SOIL" 0-1m) ferruginous pedolith ("FERP", 1-4m), mottled zone ("MOTT", 4-7m), pallid saprolite ("PSAP", 7-9m), saprolite ("SAPL", 9-25m), saprock ("SAPR", 25-35m) and fresh rock ("FRESH" >35m). The low-grade graphite mineralisation occurs as multiple bands of graphite gneisses, hosted within a broader Proterozoic paragneiss package. In the Kasiya-

Criteria	Explanation	Commentary
		Nsaru areas specifically, the preserved weathering profile hosts significant vertical thicknesses from near surface of 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*	All collar and composite data are provided in the body and appendices of this report.
	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	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.*	All results reported are of a length-weighted average of in-situ grades. The results reported in the body of the report are on a nominal lower cut-off of 0.5% Rutile.
	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.	No data aggregation was required.
	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.*	The mineralisation has been released by weathering of the underlying, layered gneissic bedrock that broadly trends NE-SW. It lies in a laterally extensive superficial blanket with high-grade zones reflecting the broad bedrock strike orientation of ~045°.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	The mineralisation is laterally extensive where the entire weathering profile is preserved and not significantly eroded. Minor removal of the mineralised profile has occurred in alluvial channels. These areas are adequately defined by the drilling pattern and topographical control.
	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'.	Downhole widths approximate true widths limited to the sample intervals applied. Mineralisation remains open at depth and in areas coincident with high-rutile grade lithologies in basement rocks, is increasing with depth. Graphite results are approximate true width as defined by the sample interval and typically increase with depth.
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.*	Refer to figures in the body 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.*	All results are included in this report.
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*	Rutile has been determined, by QEMSCAN, to be the major TiO_2-bearing mineral at and around several rutile prospects within Sovereign's ground package. The company continues to examine areas within the large tenement package for rutile and graphite by-product mineralisation.

Criteria	Explanation	Commentary
	results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	
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).	Air-Core drilling is planned for 2022 to further expand the area of known mineralisation, specifically at depth.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Refer to diagrams in the body of this report.