



## EXCEPTIONAL RUTILE DRILL RESULTS EXTEND HIGH-GRADE MINERALISATION TO +5.5KM STRIKE AT KASIYA

*Sovereign Metals Limited (“the Company” or “Sovereign”) is pleased to report exceptional drilling results from the Kasiya Prospect (“Kasiya”) which extend the high-grade rutile zone along strike to +5.5km. The mineralisation all occurs from surface and is hosted in soft, free-dig, friable saprolite.*

### HIGHLIGHTS

- ❖ Phase 3 drilling results demonstrate high-grade rutile and extend the mineralised zone to **+5.5km strike length with surface widths averaging +2.5km**
- ❖ The mineralised zone continues to be **open along strike in both directions** and open laterally to the south-east
- ❖ Results confirm that Kasiya has the potential to become a **world-class rutile deposit** due to its large, high-grade and at surface attributes
- ❖ Key Phase 3 drilling results received include:
  - **9m @ 1.19% rutile inc. 3m @ 1.86% rutile from surface**
  - **11m @ 1.37% rutile inc. 5m @ 1.82% rutile from surface**
  - **11m @ 1.33% rutile inc. 5m @ 1.79% rutile from surface**
  - **11m @ 1.14% rutile inc. 3m @ 1.77% rutile from surface**
  - **10m @ 1.12% rutile inc. 3m @ 1.66% rutile from surface**
  - **13m @ 1.32% rutile inc. 4m @ 1.58% rutile from surface**
  - **14m @ 1.04% rutile inc. 4m @ 1.27% rutile from surface**
- ❖ All intercepts above remain open at depth with high-grade rutile mineralisation interpreted to extend to the base of the soft saprolite at around 25m vertical in these areas
- ❖ Maiden JORC Mineral Resource Estimate on target for late Q3 2020

### Sovereign’s Managing Director Dr Julian Stephens commented:

*“These drilling results are exceptional. Kasiya is now displaying what we believe to be some of the highest-grade, thickest and areally expansive rutile drill-intercepts globally. The high-grade rutile footprint continues to grow and is now in the order of 12km<sup>2</sup> with mineralisation remaining open in most directions. Kasiya appears to be a truly special discovery within the Company’s broader licence package which is emerging as a new, globally significant rutile province.”*

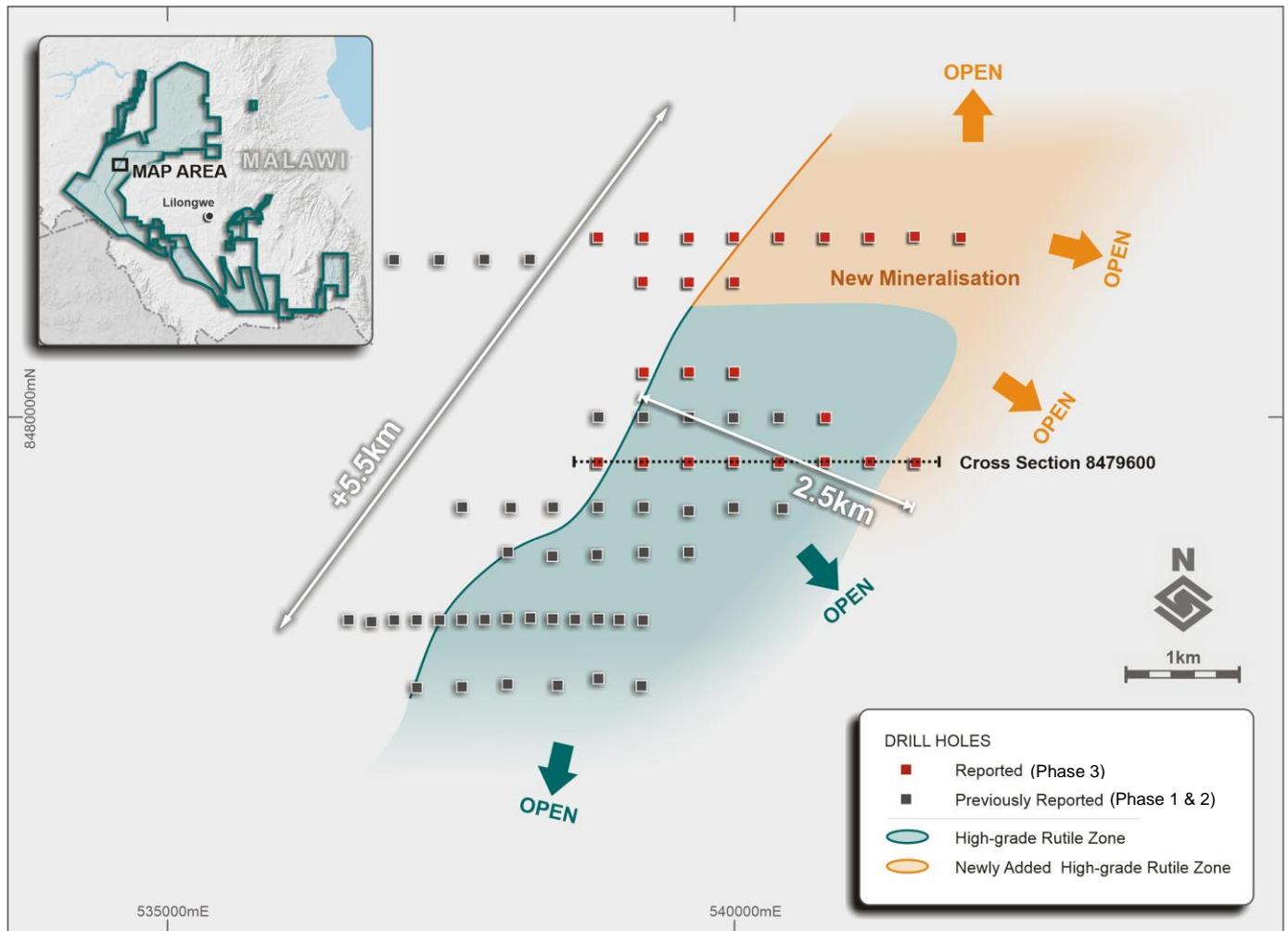


Figure 1. Kasiya drill plan showing extents of rutile mineralisation with the new added area of mineralisation defined by the Phase 3 drill-holes reported in this announcement.

**ENQUIRIES**

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## KASIYA EXTENSIONAL DRILL PROGRAM – PHASE 3

Results for Phase 3, comprise a further 24 shallow hand-auger holes for 252m over four drill-lines which are presented in this report. This brings the total number of holes reported to 62 (Phases 1, 2 & 3 combined) over nine east-west drill lines.

The Phase 3 drilling results display the highest grade and thickest drill intercepts at Kasiya to date. The high-grade rutile footprint continues to grow and is now in the order of +5.5km strike length with surface widths averaging +2.5km. High-grade rutile mineralisation continues to be open along strike in both directions and open laterally to the south-east.

High-grade rutile was encountered as deep as 14m below surface in some holes and has an average thickness of approximately 7m to 8m. The current geological interpretation is that high-grade, free-dig rutile mineralisation should continue vertically to the base of saprolite, which is reasonably assumed from deeper drilling at other prospects to be around 25m depth. Deeper drilling techniques such as air-core, diamond-core or sonic will need to be employed to test this.

Key shallow hand-auger results from the Phase 3 drilling include:

- **9m @ 1.19% rutile inc. 3m @ 1.86% rutile from surface**
- **11m @ 1.37% rutile inc. 5m @ 1.82% rutile from surface**
- **11m @ 1.33% rutile inc. 5m @ 1.79% rutile from surface**
- **11m @ 1.14% rutile inc. 3m @ 1.77% rutile from surface**
- **10m @ 1.12% rutile inc. 3m @ 1.66% rutile from surface**
- **13m @ 1.32% rutile inc. 4m @ 1.58% rutile from surface**
- **14m @ 1.04% rutile inc. 4m @ 1.27% rutile from surface**



Figure 2. Logging and panning rutile hand-auger samples at Kasiya.

**CROSS SECTION**

*Section 8479600 in two parts*

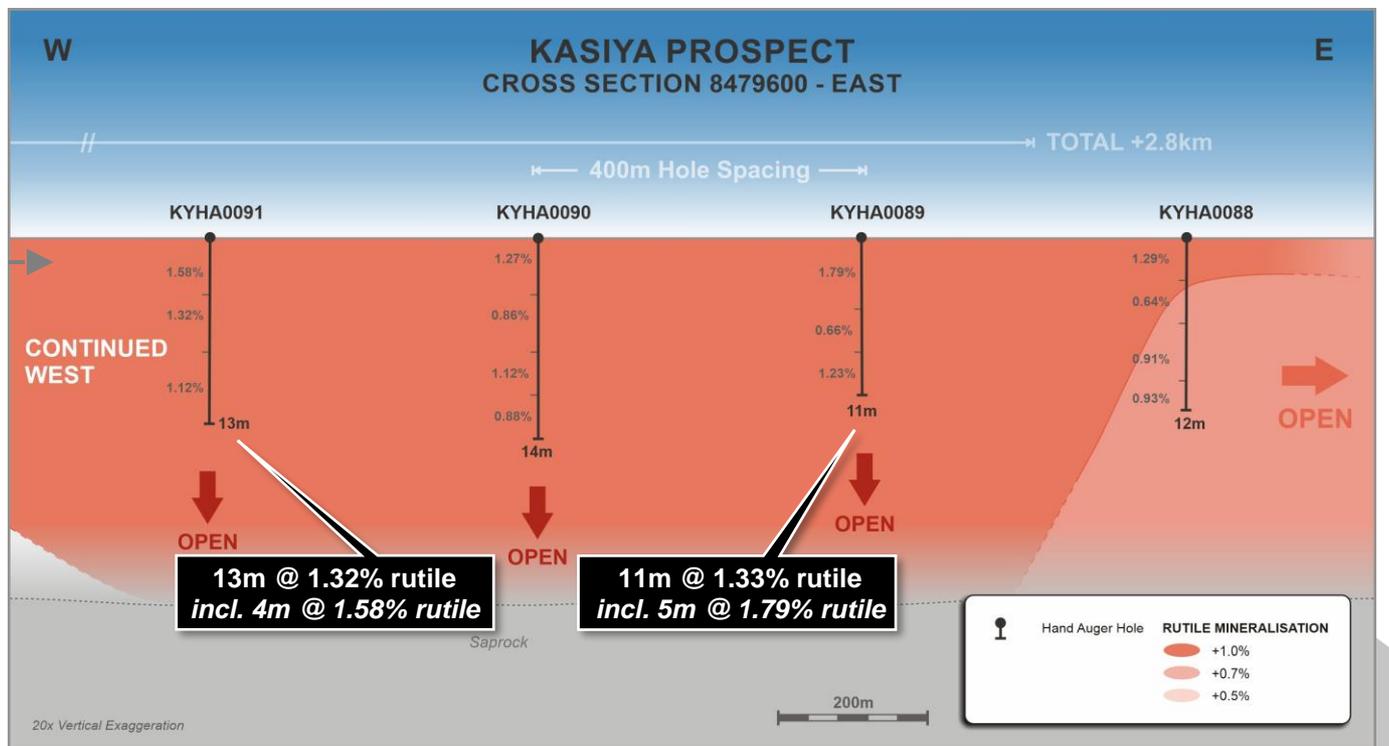
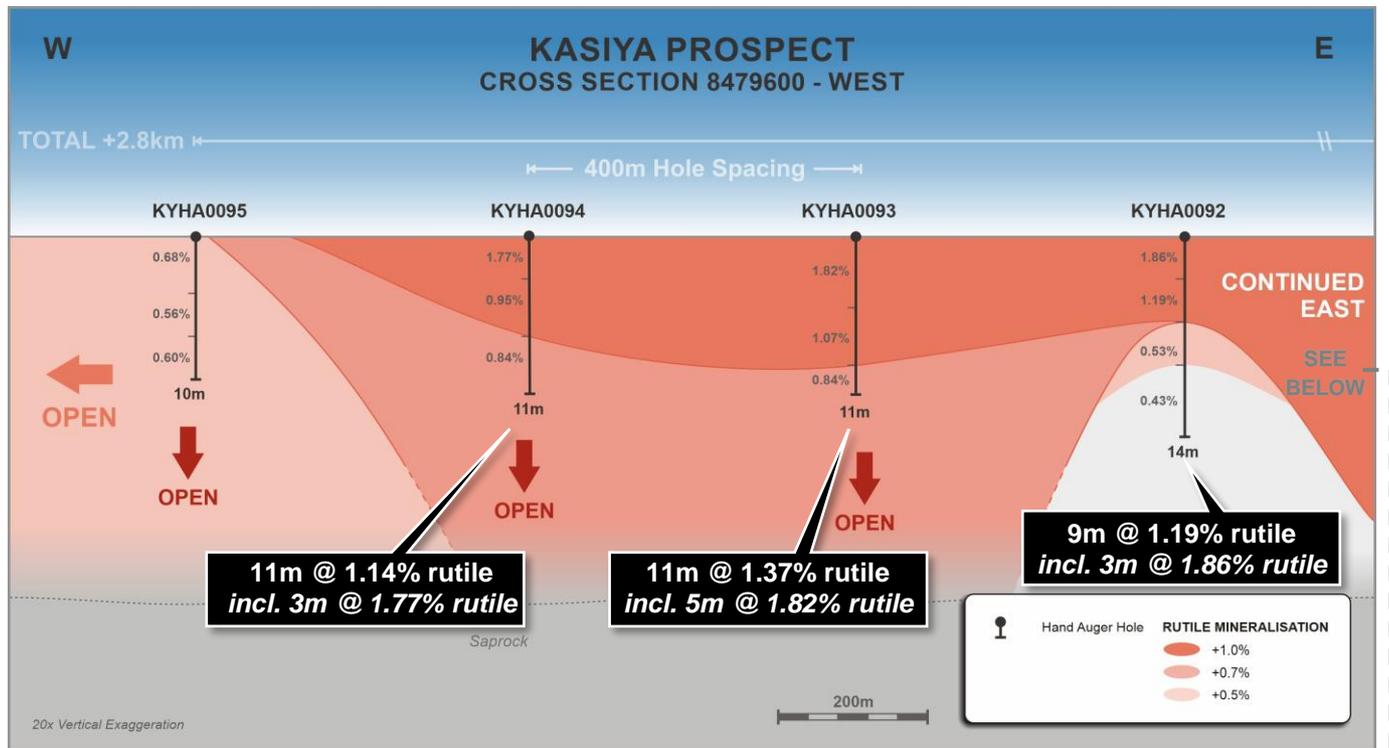


Figure 3. Cross Section of the complete drill line showing the broad high-grade mineralisation with multiple holes open at depth and mineralisation open in both directions. The width of mineralisation has necessitated breaking this cross-section into two parts.

**COVID-19 UPDATE**

Sovereign notes that drilling activities have concluded for the time being though operations remain ongoing with a reduced and safe personnel level to prepare and export the final samples.

The Company continues to actively evaluate the situation for all risks to employees, communities and general operational safety and will make any required adjustments as the situation evolves, or as required by the Government of Malawi.

**FORWARD PLAN**

Sovereign has identified a potentially globally significant, strategic rutile province across its large Malawi ground holding. The Malawi Rutile Province features two confirmed, discrete rutile mineralisation styles hosted respectively in sand and saprolite (soft, friable weathered material) which are both amenable to conventional processing. Rutile mineralisation identified to date has generally not been spatially constrained by drilling at either of the two main prospects, Kasiya and the Bua Channel Prospect.

Sovereign’s ongoing rutile work programs to unlock the Malawi Rutile Province include:

- ◆ Extensional and infill drilling at Kasiya is complete with the in-country team now preparing all remaining sample batches for export to our Perth laboratory partners for analysis
- ◆ A maiden JORC resource estimate for Kasiya is targeted for late Q3 2020
- ◆ Mining and tailings studies are ongoing in order to feed in to a future Scoping Study
- ◆ Bulk-scale metallurgical test-work has commenced on a 1 tonne representative sample from Kasiya
- ◆ A regional desktop targeting exercise using all available knowledge and datasets is underway with the goal of discovering more high-grade, Kasiya-like rutile mineralisation

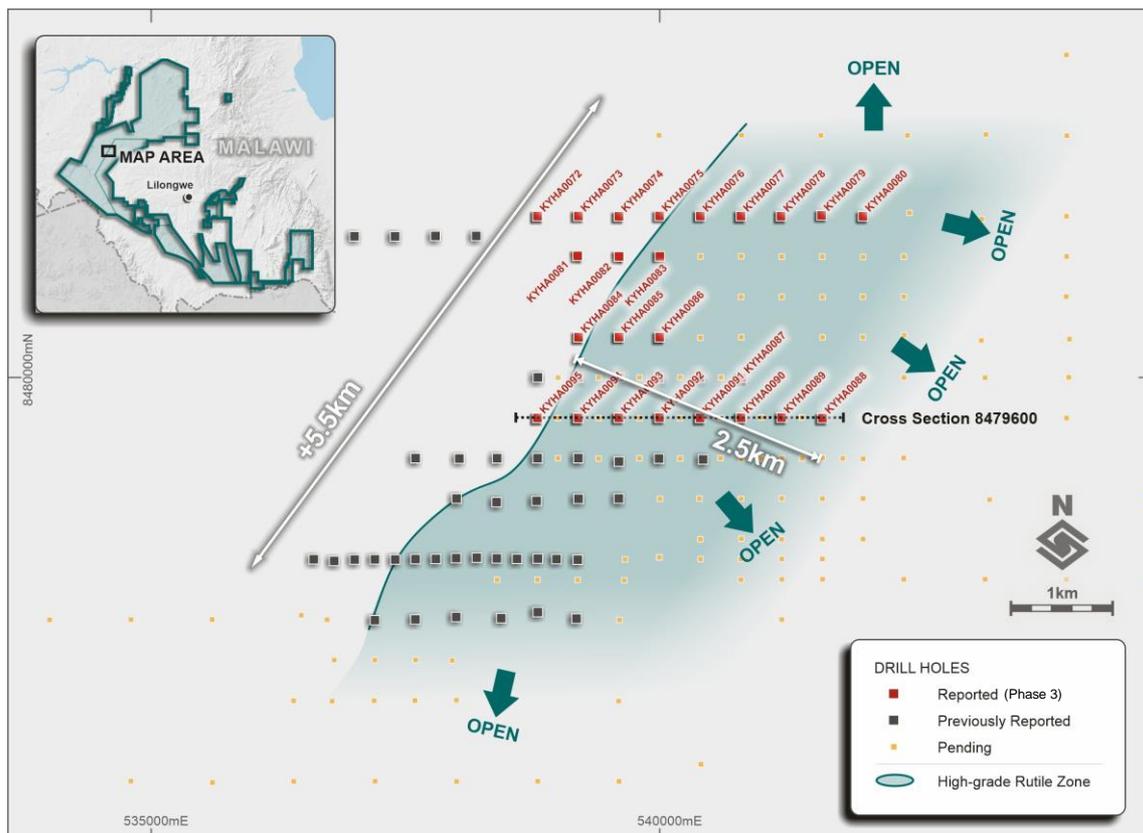


Figure 4. Drill plan showing Phases 1, 2 and 3 of reported and pending shallow hand-auger holes at Kasiya

Shallow drilling results from Phase 3 at Kasiya are shown below in Table 1.

Table 1. Hand-auger results from Phase 3 drilling at the high-grade Kasiya rutile prospect

Hole ID	Interval Thickness	Rutile %	From (m) Downhole	Comments
KYHA0072	3m	0.80	surface	
KYHA0073	5m	0.57	surface	
KYHA0074	No significant results			
KYHA0075	4m	0.71	surface	
<b>KYHA0076</b>	<b>13m</b>	<b>0.93</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>11m</b>	<b>1.00</b>	<b>surface</b>	
<i>incl</i>	<b>3m</b>	<b>1.43</b>	<b>surface</b>	
KYHA0077	5m	0.78	surface	
<b>KYHA0078</b>	<b>10m</b>	<b>1.12</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>3m</b>	<b>1.66</b>	<b>surface</b>	
KYHA0079	4m	1.13	surface	
KYHA0080	2m	1.15	surface	hole failed @ 2m
KYHA0081	3m	0.56	surface	hole failed @ 3m
KYHA0082	5m	0.66	surface	
KYHA0083	7m	0.78	surface	
KYHA0084	4m	0.53	surface	
KYHA0085	4m	1.07	surface	
<b>KYHA0086</b>	<b>13m</b>	<b>0.90</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>2m</b>	<b>1.70</b>	<b>surface</b>	
KYHA0087	3m	0.60	surface	
<b>KYHA0088</b>	<b>12m</b>	<b>0.94</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>3m</b>	<b>1.29</b>	<b>surface</b>	
<b>KYHA0089</b>	<b>11m</b>	<b>1.33</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>5m</b>	<b>1.79</b>	<b>surface</b>	
<i>incl</i>	<b>3m</b>	<b>1.23</b>	<b>8m</b>	
<b>KYHA0090</b>	<b>14m</b>	<b>1.04</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>4m</b>	<b>1.27</b>	<b>surface</b>	
<i>incl</i>	<b>3m</b>	<b>1.12</b>	<b>8m</b>	
<b>KYHA0091</b>	<b>13m</b>	<b>1.32</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>8m</b>	<b>1.45</b>	<b>surface</b>	
<i>incl</i>	<b>4m</b>	<b>1.58</b>	<b>surface</b>	
<b>KYHA0092</b>	<b>9m</b>	<b>1.19</b>	<b>surface</b>	
<i>incl</i>	<b>6m</b>	<b>1.52</b>	<b>surface</b>	
<i>incl</i>	<b>3m</b>	<b>1.86</b>	<b>surface</b>	
<b>KYHA0093</b>	<b>11m</b>	<b>1.37</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>9m</b>	<b>1.49</b>	<b>surface</b>	
<i>incl</i>	<b>5m</b>	<b>1.82</b>	<b>surface</b>	
<b>KYHA0094</b>	<b>11m</b>	<b>1.14</b>	<b>surface</b>	<b>open at depth</b>
<i>incl</i>	<b>3m</b>	<b>1.77</b>	<b>surface</b>	
KYHA0095	10m	0.62	surface	open at depth

\*Significant results are reported at 0.5% rutile lower cut-off.

## **Competent Persons' Statements**

*The information in this report that relates to Exploration Results is based on information compiled by Dr Julian Stephens, a Competent Person who is a member of the Australian Institute of Geoscientists (AIG). Dr Stephens is the Managing Director of Sovereign Metals Limited and a holder of ordinary shares and unlisted options in Sovereign Metals Limited. Dr Stephens has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Dr Stephens consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

## **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, Julian Stephens.*



## APPENDIX 1: DRILL HOLE DATA

Hole ID	East	North	RL	Depth
KYHA0072	538800	8481600	1097	6
KYHA0073	539202	8481600	1101	14
KYHA0074	539599	8481597	1104	12
KYHA0075	539999	8481602	1106	12
KYHA0076	540399	8481601	1108	13
KYHA0077	540799	8481600	1109	8
KYHA0078	541194	8481600	1110	10
KYHA0079	541593	8481607	1111	14
KYHA0080	541999	8481599	1112	2
KYHA0081	539193	8481206	1094	3
KYHA0082	539600	8481200	1097	11
KYHA0083	540002	8481201	1099	10
KYHA0084	539202	8480399	1081	10
KYHA0085	539601	8480401	1085	10
KYHA0086	540000	8480400	1089	13
KYHA0087	540807	8479998	1102	8
KYHA0088	541602	8479598	1114	12
KYHA0089	541200	8479603	1111	11
KYHA0090	540801	8479602	1107	14
KYHA0091	540398	8479600	1103	13
KYHA0092	539998	8479604	1100	14
KYHA0093	539599	8479601	1099	11
KYHA0094	539199	8479600	1096	11
KYHA0095	538799	8479599	1091	10

\* All holes were vertical.



APPENDIX 2: JORC CODE, 2012 EDITION – TABLE 1

SECTION 1 - SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	Hand-Auger Drilling Commentary
<b>Sampling Techniques</b>	<i>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.</i>	A total of 24 hand auger holes for 252m were drilled at the Kasiya Prospect to obtain samples for quantitative rutile determination. Samples were composited based on regolith boundaries and chemistry generated by hand-held XRF, generally at 3, 4 or 5m intervals.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	Drilling and sampling activities were supervised by a suitably qualified Company geologist who was present at all times. All bulk 1-metre drill samples were geologically logged by the geologist at the drill site  Each 1m sample was sun dried and homogenised. Sub-samples were carefully riffle split to ensure representivity. ~2kg composite samples were processed. Extreme care is taken to ensure an equivalent mass is taken from each 1m sample to make up the composite. The primary composite sample is considered representative for this style of rutile mineralisation.
	<i>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.</i>	Logged mineralogy percentages, lithology information and TiO <sub>2</sub> % obtained from handheld XRF were used to determine compositing intervals. Care is taken to ensure that only lithological units with similar geological and grade characteristics are composited together.
<b>Drilling Techniques</b>	<i>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).</i>	Hand-auger drilling with 62mm diameter spiral bits with 1-metre long steel rods. 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.
<b>Drill Sample Recovery</b>	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	Samples are assessed visually for recoveries. Overall, recovery is very good. Drilling is ceased when recoveries become poor once the water table has been reached.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	The Company's trained geologists supervise auger drilling on a 1 team 1 geologist basis and are responsible for monitoring all aspects of the drilling and sampling process.
	<i>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.</i>	No bias related to preferential loss or gain of different materials has occurred.
<b>Logging</b>	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation mining studies and metallurgical studies.</i>	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.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</i>	All logging includes lithological features and estimates of basic mineralogy. Logging is generally qualitative.
	<i>The total length and percentage of the relevant intersection logged</i>	100% of samples are geologically logged.
<b>Sub-sampling techniques and sample preparation</b>	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	Not applicable – no core drilling conducted.

Criteria	JORC Code explanation	Hand-Auger Drilling Commentary
	<i>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</i>	Samples from the 24 auger holes drilled were composited. Each 1m sample was sun dried and homogenised. Sub-samples were carefully riffle split to ensure sample representivity. ~2kg composite samples were processed. Extreme care is taken to ensure an equivalent mass is taken from each 1m sample to make up the composite.  The primary composite sample is considered representative for this style of rutile mineralisation and is consistent with industry standard practice.
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	Use of the above compositing and sampling technique is deemed appropriate given the dry nature of the samples.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	The sampling equipment is cleaned after each sub-sample is taken.
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i>	Extreme care is taken to ensure an equivalent mass is taken from each 1m sample to make up each composite.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	The sample size is considered appropriate for the material sampled.
<b>Quality of assay data and laboratory tests</b>	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	The Malawi onsite laboratories 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 a heavy mineral concentrate.  The following workflow for the samples was undertaken on-site in Malawi; <ul style="list-style-type: none"> <li>• Dry sample in oven for 1 hour at 105°C</li> <li>• Soak in water and lightly agitate</li> <li>• Wet screen at 5mm, 600mm and 45µm to remove oversize and slimes material</li> <li>• Dry +45µm -600mm fraction in oven for 1 hour at 105°C</li> <li>• Pass +45µm -600mm fraction across wet table twice to generate a heavy mineral concentrate (HMC)</li> <li>• Dry HMC in oven for 30 minutes at 105°C</li> <li>• Bag +45µm -600mm HMC Fraction and send to Perth, Australia for quantitative rutile determination.</li> </ul> The following workflow for the samples was then undertaken at Perth based Laboratories. <ul style="list-style-type: none"> <li>• Magnetic separation of the HMC by Carpc magnet @ 16,000G (2.9Amps) into a magnetic (M) and non-magnetic (NM) fraction. Work undertaken at Allied Mineral Laboratories (AML) in Perth.</li> <li>• The M and NM fractions were sent to Intertek Genalysis Perth for quantitative XRF analysis.</li> <li>• Rutile is reported as: rutile mineral recovered to the NM concentrate fraction as a % of the total primary, dry raw sample mass.</li> </ul>
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	Acceptable levels of accuracy and precision have been established. No handheld methods are used for quantitative determination.
	<i>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.</i>	Intertek Genalysis used internal XRF standards and duplicates. The overall quality of QA/QC is considered to be good.
<b>Verification of sampling &amp; assaying</b>	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Significant mineralisation intersections were verified by qualified, alternative company personnel.
	<i>The use of twinned holes.</i>	No twin holes have been used.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	All data was collected initially on paper logging sheets and codified to the Company's templates. This data was hand entered to spreadsheets and validated by Company geologists. This data was then imported to a Microsoft Access Database then validated automatically and manually.

Criteria	JORC Code explanation	Hand-Auger Drilling Commentary
	<i>Discuss any adjustment to assay data.</i>	Rutile is reported as: rutile mineral recovered to the NM concentrate fraction as a % of the total primary, dry raw sample mass.
<b>Location of data points</b>	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	A Trimble R2 Differential GPS was used to pick up the hand auger collars.  No downhole surveying of auger holes is completed. Given the vertical nature and shallow depths of the auger holes drill hole deviation is not considered to significantly affect the downhole location of samples.
	<i>Specification of the grid system used.</i>	WGS84 UTM Zone 36 South.
	<i>Quality and adequacy of topographic control.</i>	DGPS pickups are considered to be high quality topographic control measures.
<b>Data spacing &amp; distribution</b>	<i>Data spacing for reporting of Exploration Results.</i>	The hand auger collars are spaced at approximately 400m along the drill-lines and are designed to provide systematic strike and width extension of the anomalous lines of hand auger drilling previously reported along this same trend.  It is deemed that these holes should be broadly representative of the mineralisation style in the general area. More work is required to accurately determine the variability of the mineralisation in the Kasiya region.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	Not applicable, no Mineral Resource or Ore Reserve estimations are covered by new data in this report.
	<i>Whether sample compositing has been applied.</i>	Individual 1-metre auger intervals have been composited over a determined interval of interest for the 24 auger holes drilled in order to obtain a primary sample of ~2kg mass for mineralogical analysis.
<b>Orientation of data in relation to geological structure</b>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known considering the deposit type</i>	No bias attributable to orientation of sampling has been identified.
	<i>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.</i>	All holes were drilled vertically as the nature of the mineralisation is horizontal. No bias attributable to orientation of drilling has been identified.
<b>Sample security</b>	<i>The measures taken to ensure sample security</i>	Samples were stored in secure storage from the time of drilling, through gathering, compositing and analysis. The samples were sealed as soon as site preparation was completed, and again securely stored during shipment and while at Australian laboratories.
<b>Audits or reviews</b>	<i>The results of any audits or reviews of sampling techniques and data</i>	It is considered by the Company that industry best practice methods have been employed at all stages of the exploration.

## SECTION 2 - REPORTING OF EXPLORATION RESULTS

Criteria	Explanation	Commentary
<b>Mineral tenement &amp; land tenure status</b>	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environment settings.</i>	The Company owns 100% of 8 Exclusive Prospecting Licences (EPLs) in Malawi. EPL0355 renewed in 2019 for 2 years, EPL0372 (under renewal application) and EL0413 renewed in 2019 for 2 years. EPL0492 and EPL0528 were granted in 2018 for an initial period of three years (renewable). EPL0537 and EPL0545 were granted in 2019 for an initial period of three years (renewable). EL0561 was granted in January 2020 for an initial 3 years (renewable) with field work permits subject to an acceptable Environmental and Social Management Plan – a new requirement under the Mining Act 2019.
	<i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	The tenements are in good standing and no known impediments to exploration or mining exist.
<b>Exploration done by other parties</b>	<i>Acknowledgement and appraisal of exploration by other parties.</i>	No other parties were involved in exploration.
<b>Geology</b>	<i>Deposit type, geological setting and style of mineralisation</i>	The rutile deposit type could be termed a residual placer formed by the intense weathering of rutile-rich basement paragneisses.  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

Criteria	Explanation	Commentary
		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).
<b>Drill hole information</b>	<i>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</i>	All collar and composite data are provided in the body and Appendices of this report. All holes were drilled vertically.
	<i>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</i>	No information has been excluded.
<b>Data aggregation methods</b>	<i>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.</i>	All results reported are of a length-weighted average. The results reported in the body of the report are on a lower cut-off of 0.5% Rutile.
	<i>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.</i>	No significant aggregate intercepts have been reported.
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	No metal equivalent values are used in this report.
<b>Relationship between mineralisation widths &amp; intercept lengths</b>	<i>These relationships are particularly important in the reporting of Exploration Results.</i>	It is considered that the mineralisation lies in laterally extensive, near surface, flat "blanket" style bodies in areas where the entire weathering profile is preserved and not significantly eroded.
	<i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i>	The mineralisation lies in laterally extensive, near surface, flat "blanket" style bodies.
	<i>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').</i>	Downhole widths approximate true widths. Some mineralisation currently remains open at depth.
<b>Diagrams</b>	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of the drill collar locations and appropriate sectional views.</i>	Refer to figures in the body of this report.
<b>Balanced reporting</b>	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high-grades and/or widths should be practiced to avoid misleading reporting of exploration results.</i>	All results have been reported in this report.
<b>Other substantive exploration data</b>	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to: geological observations; geophysical survey results; geochemical survey results; bulk samples - size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics;</i>	Rutile has been determined to be the major TiO <sub>2</sub> -bearing mineral at and around several rutile prospects and within Sovereign's ground package. The company continues to examine all areas within the large tenement package for rutile mineralisation.

Criteria	Explanation	Commentary
	<i>potential deleterious or contaminating substances.</i>	
<b>Further work</b>	<i>The nature and scale of planned further work (e.g. test for lateral extensions or depth extensions or large-scale step-out drilling).</i>	Laboratory processing of 2020 drilling samples on the saprolite prospects continues.  Additional hand auger and sonic drilling is currently being planned for Kasiya.
	<i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	Refer to diagrams in the body of this report.

