

STAGE 1 ASSAYS SHOW INCREASE IN REE AND HEAVY MINERAL GRADES AT SANDY MITCHELL

HIGHLIGHTS

- 82% of assays for the Stage 1 air core drill programme at Ark's 100%-owned Sandy Mitchell Project have now been received. (refer fig 2.)
- Results continue to confirm significant Rare Earth Element (REE) and Heavy Mineral (HM) intercepts in every metre sampled, consistent with previous results at a slightly higher average grade.
- Latest assays returned an average grade per-metre for Total Rare Earth Oxide (TREO) + Yttrium (Y) + Scandium (Sc) of 514 parts-per-million (ppm), with a maximum grade of 3,525 ppm¹. (Refer to fig 3.)
- The average Zircon oxide grade for every metre assayed is now 435 ppm with a maximum grade of 2,388 ppm¹.
- Final assays for the Stage 1 drill program are expected in the coming weeks, prior to first assays from the 2,426m Stage 2 program which extended average metre depths from 10.5m to 12.9 m (Refer to fig 4)
- The ongoing receipt of consistent REE and HM grades from the Phase 1 program continues to validate Ark's stated development strategy for Sandy Mitchell based on low-cost, straight-forward beneficiation by gravity processing
- Assay results from Stage 1, along with Stage 2 drilling and ongoing test work, will form the basis of a Maiden Mineral Resource Estimate (MRE) under the 2012 JORC code later this year
- The Maiden MRE is expected to form the basis of a Pre-Feasibility Study (PFS), which will be prepared in collaboration with third-party mineral processing specialists to optimise future project economics

Executive Director Ben Emery said: "Assays from our Stage 1 drill program are now returning consistently from the lab, and we continue to be pleasantly surprised by the results. These latest assays show another upgrade in TREO+Y+Sc, thus highlighting the emerging quality of the mineralisation at Sandy Mitchell - particularly in the context of the project's unique geology which is amenable to REE extraction through simple gravity separation. Recall that the initial round of water beneficiation test work carried out by the field team in November was already returning a commercial-grade rare earth concentrate of 51.9% TREO (519,000ppm). These latest assays represent a significant increase in REE grades compared to , which bodes well for our stated downstream processing strategy. The whole team is excited over what this means for the project as we moved towards a maiden MRE at Sandy Mitchell later this year."

¹ Refer to Appendix A and Appendix B.

² Refer to AHK ASX Announcement 18th of December 2023 and Figure 4.

³ Refer to AHK ASX Announcement 24th of November 2023.

⁴ Refer to Figure 5

Ark Mines Limited (ASX:AHK) is pleased to announce the receipt of latest assays from the 1st phase of drilling at the Company's 100% owned Sandy Mitchell Rare Earth and Heavy Mineral Project in North Queensland (see **Figure 1**).

The ongoing receipt of assays (from 1m intervals) for Ark's 144-hole Stage 1 drill programme continue to confirm that Rare Earth mineralisation is evident in every interval of every hole assayed to date (see Appendix B). In turn, the Company remains committed to its stated development strategy for low-cost downstream processing following the recently announced beneficiation test work (*AHK ASX Announcement 24th November 2023*) which has shown that the Sandy Mitchell sands make a high-grade rare earth concentrate with robust recoveries using low-cost gravity processes.

Drill works programme

82% of Stage 1 assays have now been received to date (see Appendix B). With no cut-off grade and no top cut grade, the average grade of Total Rare Earth Oxides (TREO) + Yttrium (Y) + Scandium (Sc) is now 514.1 ppm (see **Figure 3**). This represents an increase from the previous reported average of 498.7ppm, based on the initial ~34% of assays (*refer ASX Announcement 7 February 2024*).

Further, the assay grades received to-date continue to compare well with the material sent to Downer Mineral Technologies ('Downer') for gravity concentration beneficiation testing (*refer ASX Announcement 24 November 2023*), which had raw grades at a lower 463.0 ppm, and yielded a 51.9% TREO (519,000ppm) concentrate with recovery of 84%.

Application of a typical experimental selection criterion demonstrates the overall homogeneity of the mineralisation: At a cut-off grade of 200 ppm (only material of 200ppm TREO or greater is selected), results in TREO+Y+Sc now upgrade from 514.1 ppm to 542.7 ppm, with rejection of only 7.2 % of results. This suggests that the majority of mineralisation in the Stage 1 area may be viable and result in a low-cost bulk mineable resource.

The results are further bolstered by economically significant by-product grades in titanium and zirconium. With 82% of Stage 1 assays now received, the observed grades of raw, un-cut, FeTiO₃ now average 11,874.4 ppm and go as high as 193,358.1 ppm. TiO₂ grades contribute a further 716.3 ppm and go as high as 11,663.1 ppm, whilst raw ZrO₂ grades average 435.4 ppm and go as high as 2,387.8.8 ppm. All of these heavy mineral by-products are amenable to a similar beneficiation process by low-cost gravity concentration.

The assay returns together with geological logging and modelling of the data will inform Ark's maiden JORC 2012 estimation in the resource grid area. To reiterate the potential scale of the project, Stage 1 drilling to-date covers an area of only 1.3 km² – representing just 1.2% of the peak radiometric reading on the lease which covers 147km².

Work on the maiden MRE is set to commence as soon as the full set of assay results are returned, which will then be followed by results from the Stage 2 drill program which was completed in December 2023. Ark then plans to validate the data with a Stage 1 model that will precede a more detailed model of the total 360 ha grid area. Stage 1 assays are now being consistently expedited by NAL with the final batch of assays expected in the coming weeks

Resource drilling at Sandy Mitchell has been divided into two stages: Stage 1 (1,488.3 m on 144 air core holes by Saxon), and Stage 2 (2,425.8 m on 187 air core holes by AED). The full resource grid is now complete for a total of 3,914 m on 331 air core holes, covering an area of 3.6 km² on a staggered 120 m x 120 m pattern with a 0.7 km² higher resolution portion infilled at 60m x 120m, to support statistical investigations. Stage 1 is approximately a third of the total drilling grid and includes the high-resolution area (see **Figure 2**).

All holes were sampled by the metre and split to yield a representative sample, with 1 in 40 further split to yield a representative duplicate. All representative samples and duplicates have been dispatched to North Australian Laboratories for sodium peroxide fusion with an inductively coupled plasma mass spectrometer finish on a full multi-element REE, HM and accessory mineral suite, plus gravimetric bulk density and moisture.

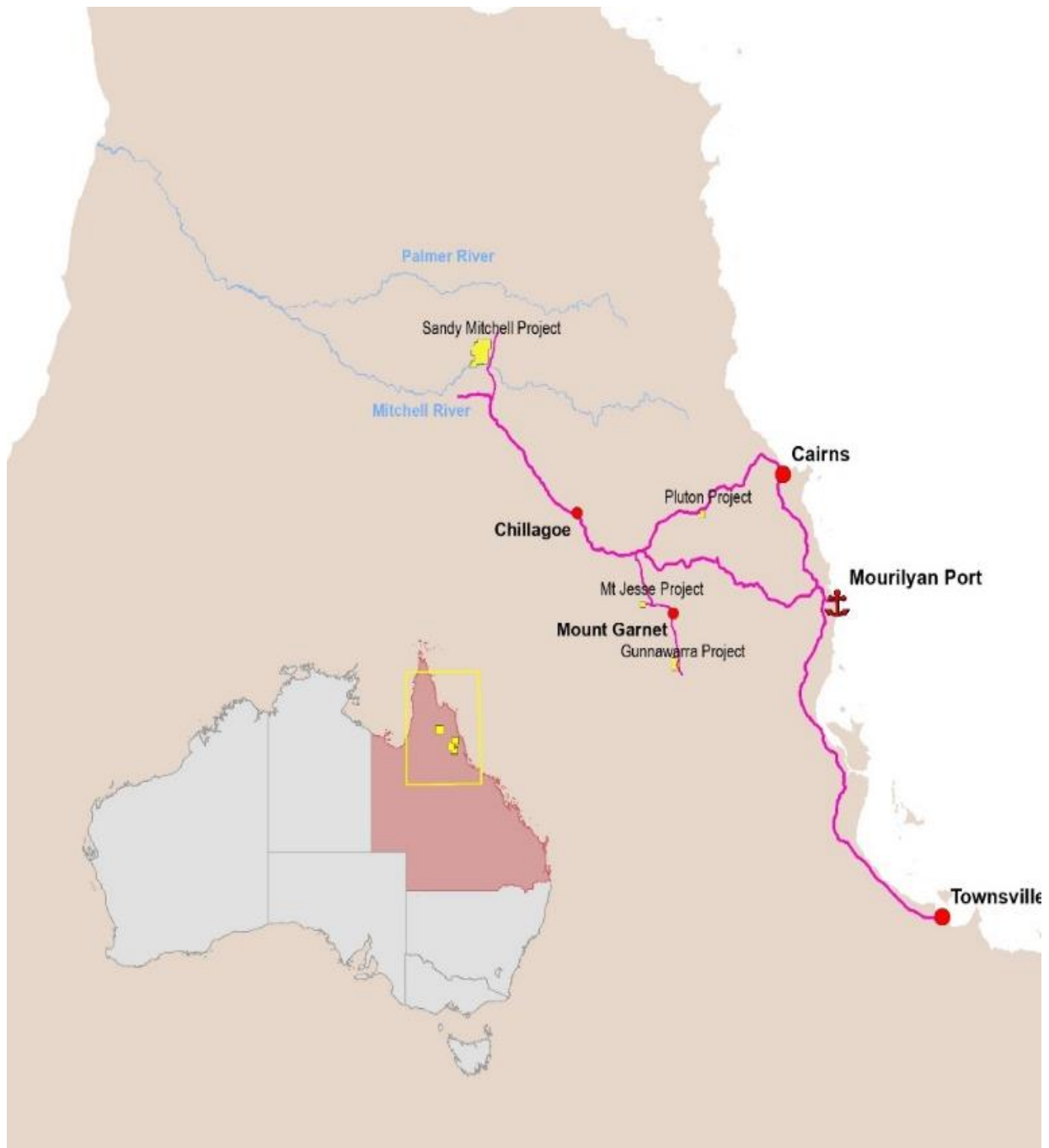


Figure 1: Sandy Mitchell Rare Earth and Heavy Mineral Project location.



Sandy Mitchell Project Resource Assay Returns

Drilling stage

- 1
- 2

Assay to date

- Full return
- Partial partial

- EPM 28013 Sandy Creek
- Resource Grid Drill Area
- High Range Th anomaly area

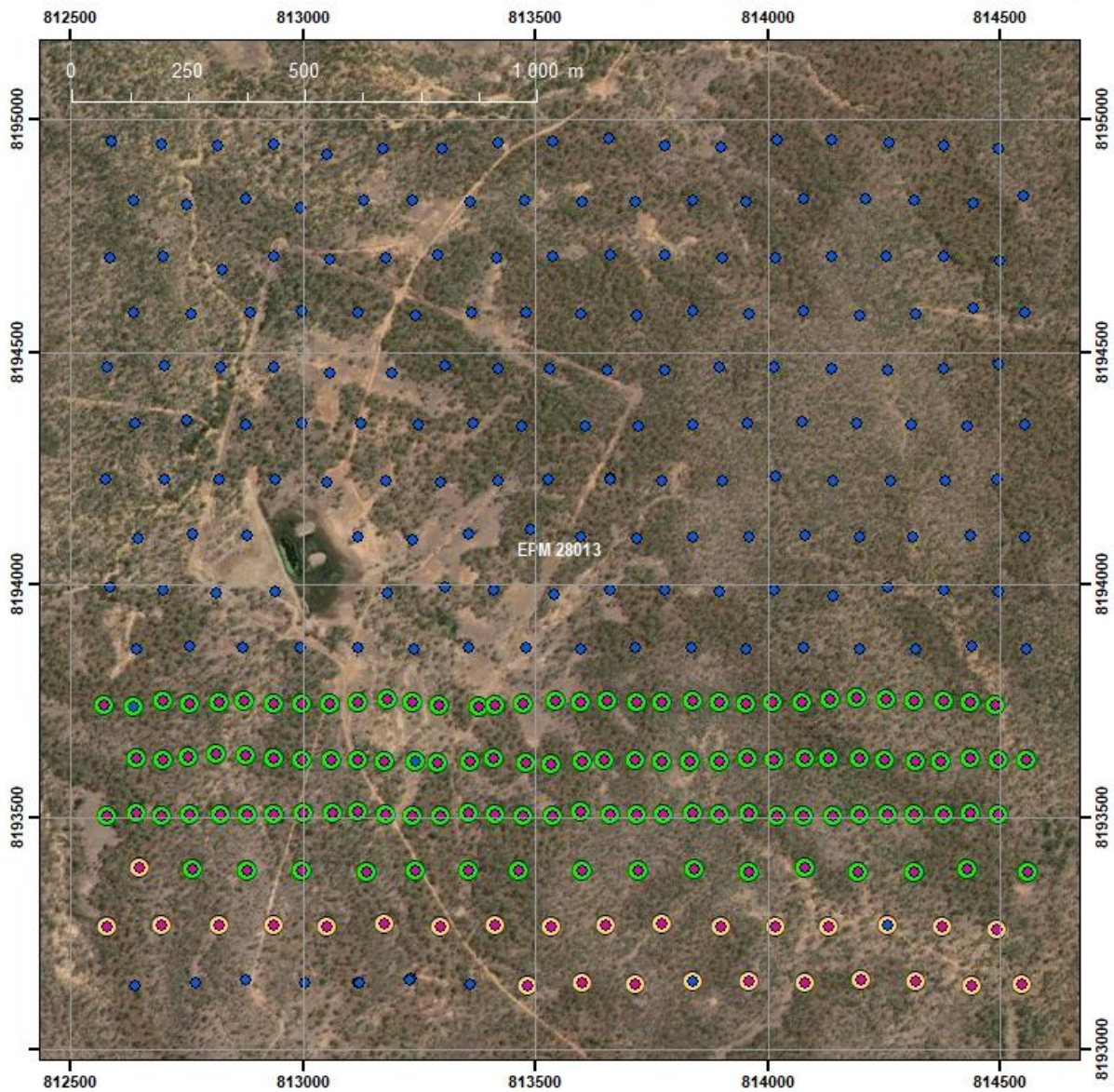
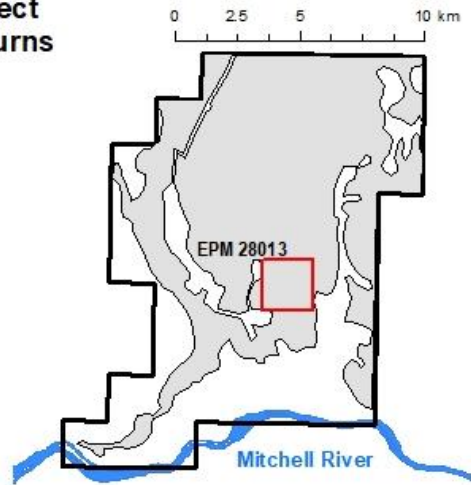


Figure 2: Sandy Mitchell initial resource drilling area showing hole collar location, colour coded by drilling stage and showing which holes have full or partial assay return to date.

Sandy Mitchell Project Resource Assay Returns

Total Hole Average TREO+Y+Sc
ppm

- 0 - 167
- 168 - 396
- 397 - 530
- 531 - 726
- 727 - 968

Assay to date

- Full return
- Partial partial

- EPM 28013 Sandy Creek
- Resource Grid Drill Area
- High Range Th anomaly area

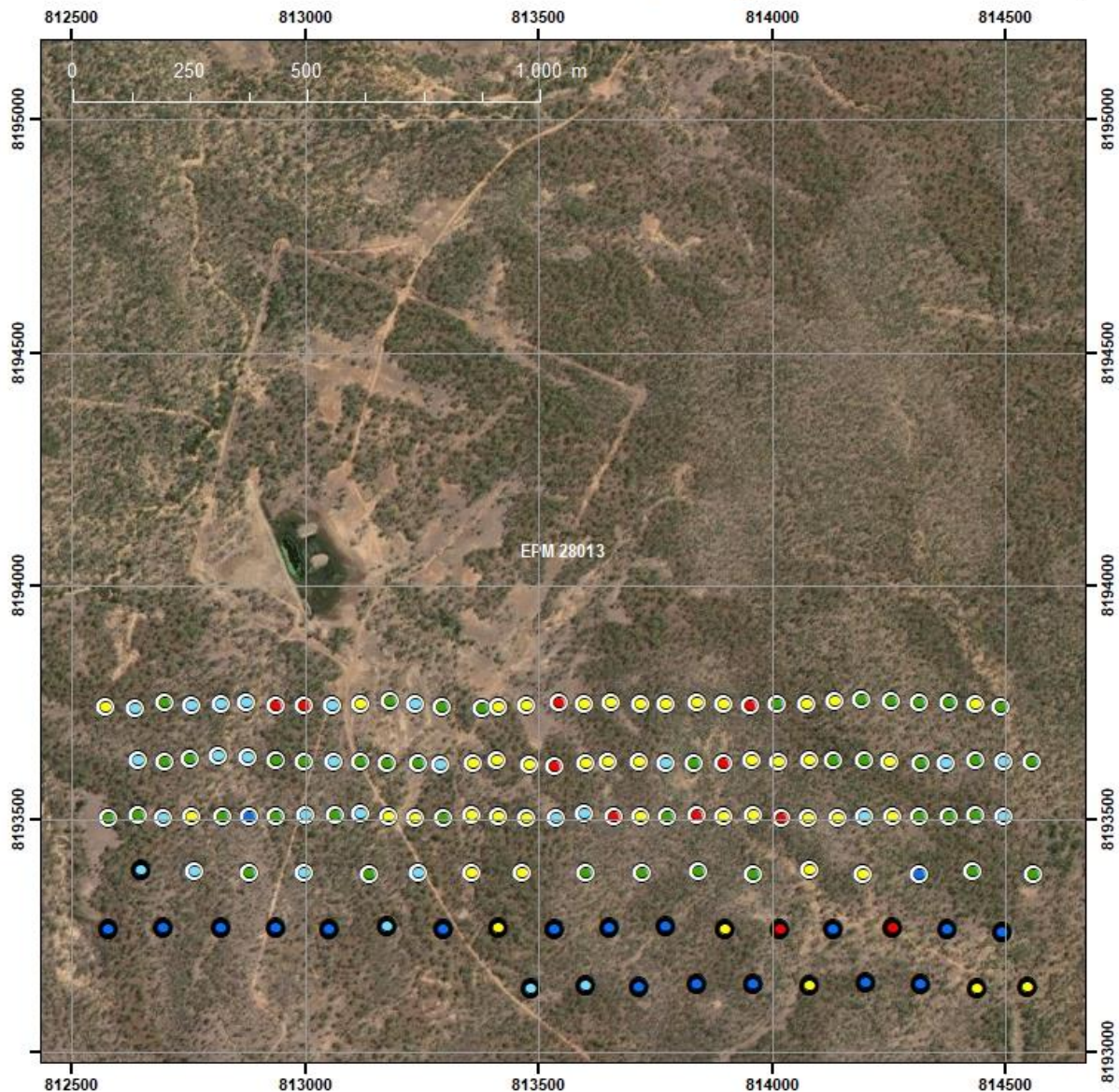
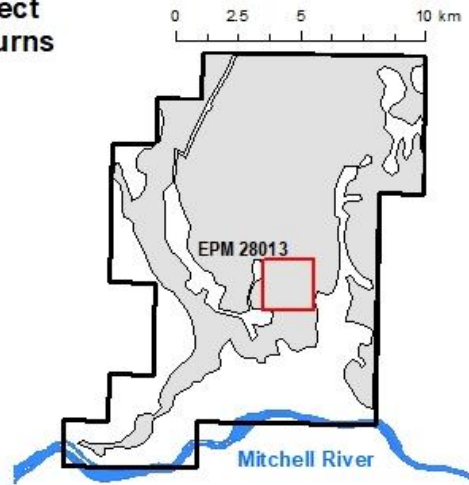


Figure 3: Sandy Mitchell Stage 1 drilling, showing TREO + Y + Sc grades averaged per drill hole, from natural surface to bedrock. No cut-off grade has been applied and the results represent the full sand column.

Sandy Mitchell Project Mineralised Sand Depth

Depth to Bedrock

- 0.00 - 2.83
- 2.84 - 5.67
- 5.68 - 8.50
- 8.51 - 11.33
- 11.34 - 14.17
- 14.18 - 17.00
- 17.01 - 19.83
- 19.84 - 22.67
- 22.68 - 25.50

- EPM 28013 Sandy Creek
- Resource Grid Drill Area
- High Range Th anomaly area

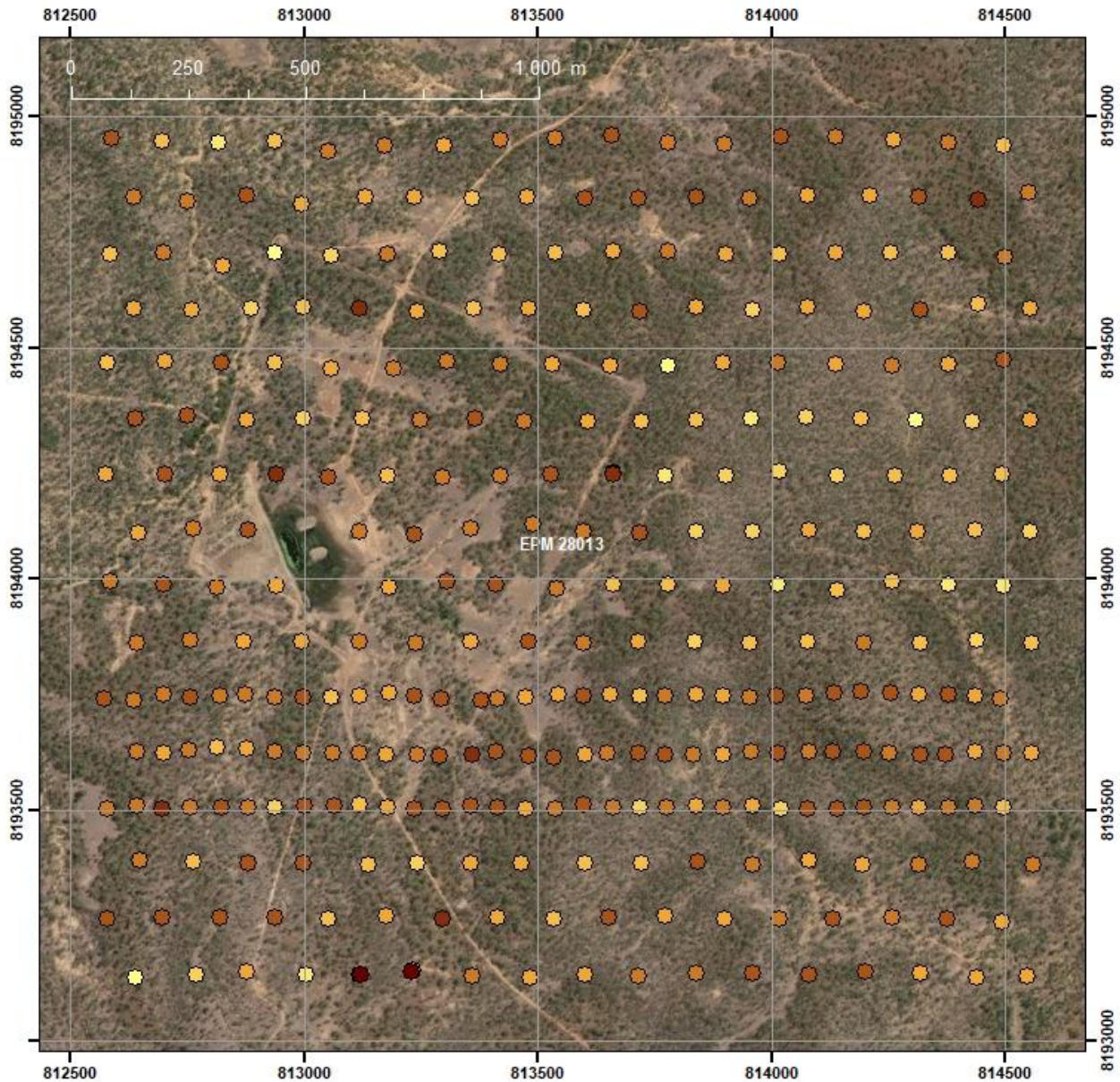
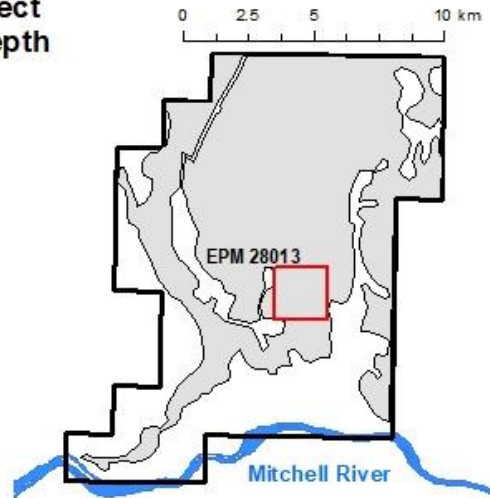


Figure 4: Sandy Mitchell initial resource area showing completed hole collar locations, colour coded by depth to bedrock. This equates to depth of mineralised sand column, since logging and assay returns show no overburden and mineralisation is present in the whole sand column.

**Sandy Mitchell Project
Air Core Reconnaissance Drilling**



- 2023 air core reconnaissance holes
 - 2023 air core resource grid
 - + Historic auger reconnaissance
 - EPM 28013
- Thorium Response ppm**
High : 200.96
Low : -5.18469

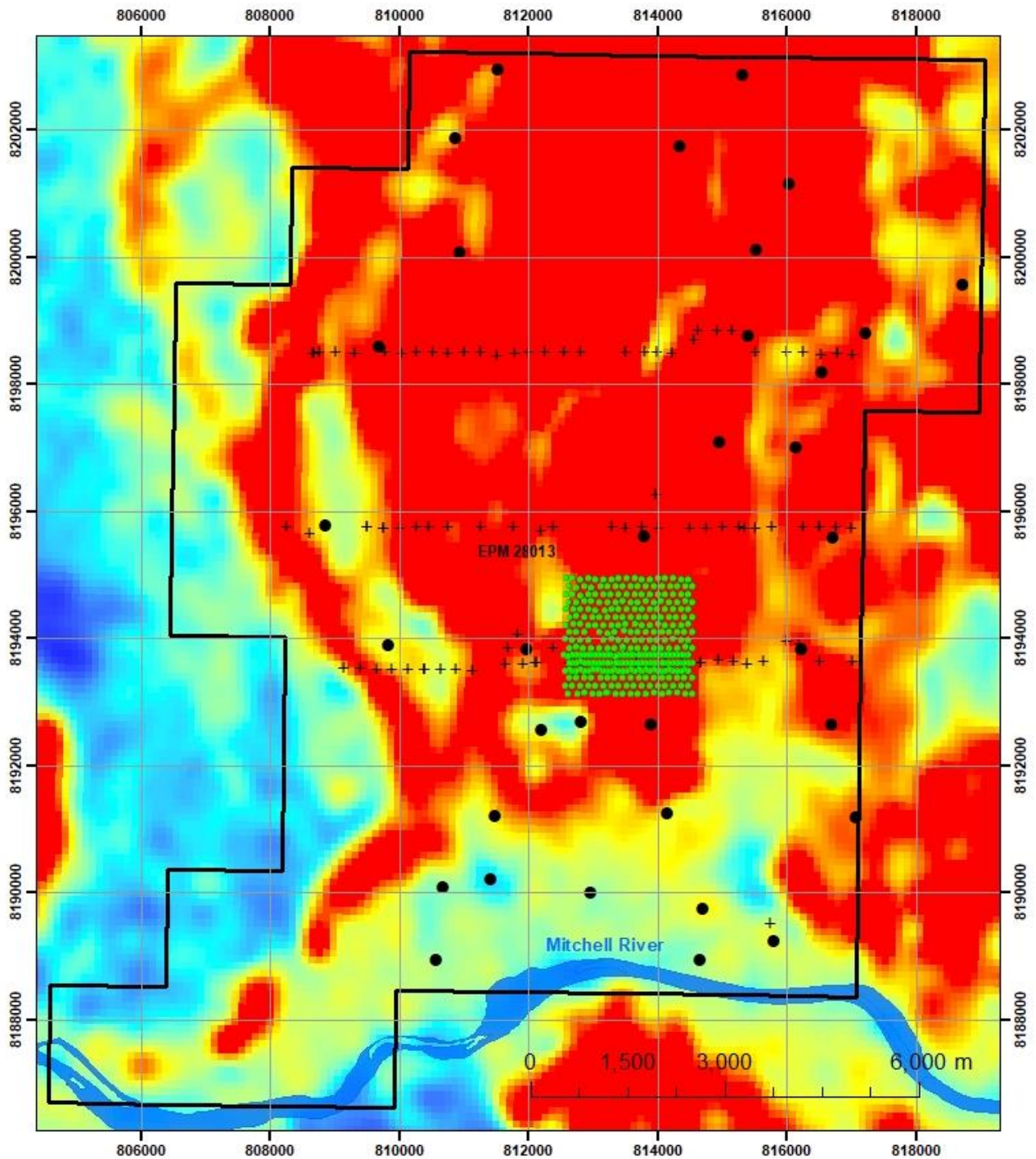


Figure 5: Sandy Mitchell 2023 air core reconnaissance drilling against the thorium radiometric response data. Historic auger reconnaissance and the 2023 air core grid drilling is also shown.

AUTHORITY FOR RELEASE

This announcement has been approved for release to the ASX by the Board of Ark Mines Ltd.



Roger Jackson
Executive Chairman
26 February 2024

FURTHER INFORMATION

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ABOUT ARK MINES LIMITED

Ark Mines is an ASX listed Australian mineral exploration company focused on developing its 100% owned projects located in the prolific Mt Garnet and Greenvale mineral fields of Northern Queensland. The Company's exploration portfolio consists of three four quality projects that are prospective for copper, iron ore, nickel-cobalt porphyry gold and rare earth elements.

Sandy Mitchell Rare Earth and heavy Mineral Project

- Ark has recently Acquired the 147km² EPM 28013 'Sandy Mitchell' – an advanced Rare Earths Project in North Queensland with additional 138km² of sub blocks under application
- Project contains all critical Light Rare Earths as well as Heavy Rare Earths including dysprosium (Dy), terbium (Tb), holmium (Ho), erbium (Er), thulium (Tm) ytterbium (Yb), yttrium (Y) and excluding only Lutetium
- Up to 25% of the TREO is Nd and Pr (magnet metals)
- Rare Earths at 'Sandy Mitchell' are amenable to panning a concentrate; Planned low-cost, fast start up, straightforward beneficiation by gravity processing

Mt Jesse Copper-Iron project

- Project covers a tenure area of 12.4km² located ~25km west of Mt Garnet
- Centered on a copper rich magnetite skarn associated with porphyry style mineralization
- Three exposed historic iron formations
- Potential for near term production via toll treat and potential to direct ship

Gunnawarra Nickel-Cobalt Project

- Comprised of 11 sub-blocks covering 36km²
- Borders Australian Mines Limited Sconi project - the most advanced Cobalt-Nickel-Scandium project in Australia
- Potential synergies with local processing facilities with export DSO Nickel/Cobalt partnership options

Pluton Porphyry Gold Project

- Located ~90km SW of Cairns near Mareeba, QLD covering 18km²
- Prospective for gold and associated base metals (Ag, Cu, Mo)
- Porphyry outcrop discovered during initial field inspection coincides with regional scale geophysical interpretation

COMPETENT PERSONS STATEMENT

The Information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Roger Jackson, who is a Fellow of the Australian Institute of Mining and Metallurgy and a Fellow of the Australasian Institute of Geoscientists. Mr Jackson is a shareholder and director of the Company. Mr Jackson has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code). Mr Jackson consents to the inclusion of this information in the form and context in which it appears in this report. Mr Jackson confirms information in this market announcement is an accurate representation of the available data for the exploration areas being acquired.

FORWARD LOOKING STATEMENTS AND IMPORTANT NOTICE

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations and estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Ark Mines' control.

Actual results and developments will almost certainly differ materially from those expressed or implied. Ark Mines has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this announcement. To the maximum extent permitted by applicable laws, Ark Mines makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this report and without prejudice, to the generality of the foregoing, the achievement or accuracy of any forecasts, projections or other forward looking information contained or referred to in this report.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

Appendix A: JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i> 	<p>Ark Mines May to June 2023 Sandy Mitchell programme sampling techniques:</p> <ul style="list-style-type: none"> • Samples are rock chips and accompanying bulk fines collected on 1m intervals by air core drill using 100mm bit. • Sample was passed through an 82.5: 12.5 riffle splitter to yield a representative aliquot of approx. 1.5 kg collected in prenumbered calico bag, and a remainder retained in a numbered plastic bag, with recoveries volumetrically estimated with periodic checks by mass using digital scale, compared against laboratory loose bulk density measurements. • Historic works by SGS (SGS Oretest Job No: S0580, 2010 for JOGMEC) shows mineralisation to have grainsize < = 125µm (very fine sand) and thus the sample mass is adequate for representivity. • Sample for total digest assay was sent to North Australian Laboratories for Assay. • Sample for pan concentration was sub-sampled by spade channel through the remainder sample to a mass of approx. 1kg per metre as determined by digital scales. These were then panned to a concentrate and the subsequent concentrates composited per hole. • Pan Con composite samples were sent to IHC Mining where samples were screened to -1mm, heavy minerals were further separated by heavy liquid separation with yields weighed at each stage. • The final heavy mineral concentrate was subject to Portable XRF analysis for a limited indicative assay. • Samples for preliminary metallurgical testing were sent to Downer Mineral Technologies and comprised the entire bulk metre remainder after riffle splitting the representative aliquot and removal of the 1kg pan concentrate aliquot. <p>Ark Mines November to December 2023 Sandy Mitchell programme sampling techniques:</p> <ul style="list-style-type: none"> • All sampling methodologies were as per the June programme, but the air core bit was exchanged for a reverse circulation face hammer to complete the end of hole. • The bedrock horizon was determined by geological chip logging supported by driller’s run sheet records.
Drilling techniques	<ul style="list-style-type: none"> <i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails,</i> 	<p>Ark Mines May to June 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> • Drill was by Comacchio track mounted air core rig using 100mm air core bit. • All holes were vertical and drilled to refusal or 17.5m, whichever came first.

Criteria	JORC Code explanation	Commentary
	<i>face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	Ark Mines November to December 2023 Sandy Mitchell programme: <ul style="list-style-type: none"> • Drill was by AusRoc 4000 multi-purpose rig using 100mm and changing to slim line 100mm RC face hammer at depth. • All holes were vertical and drilled to complete the final metre in bedrock.
Drill sample recovery	<ul style="list-style-type: none"> • <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> • <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> • <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> 	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: <ul style="list-style-type: none"> • Recoveries were assessed by volumetric estimation by the metre based on total sample weights using a digital scale with comparison made via laboratory loose bulk density measurements. • Sample was passed through a cyclone with a gated chute to allow fines to fall out of the air stream. The chute was kept closed until the end of each metre had been drilled, then opened to collect sample, and closed prior to recommencement of drilling. • No relationship between recovery and grade has yet been identified.
Logging	<ul style="list-style-type: none"> • <i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i> • <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> • <i>The total length and percentage of the relevant intersections logged.</i> 	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: <ul style="list-style-type: none"> • Sample was logged by the metre for all drilling, by the site geology team for both qualitative and quantitative criteria. • Drill logs for 100% of drilling are available with overall length of 3914.2m. • Logging is sufficient to support resource estimation, mining and metallurgical studies.
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>Measures taken to ensure that the sampling is</i> 	Ark Mines May to June 2023 Sandy Mitchell programme: <ul style="list-style-type: none"> • All sample passed through the drill cyclone dry. • Sub-sampling for laboratory assay was by 87.5:12.5 riffle splitter: the bulk sample was passed evenly through the riffles with the assay aliquot collected in a pre-numbered calico bag, and the reject collected in a numbered plastic bag. • Field duplicates were taken at 1:40 by 50:50 riffle splitter. • Historic works by SGS (SGS Oretest Job No: S0580, 2010 for JOGMEC) shows mineralisation to have grainsize < 125µm (very fine sand) and thus the sample mass is representative. • Sample for pan concentration was sub-sampled by spade channel through the reject to a mass of approx. 1kg per metre as determined by digital scales. • Sample for preliminary metallurgical testing was selected from the 11m twinned hole SMDH 00014b and comprised

Criteria	JORC Code explanation	Commentary
	<p><i>representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i></p> <ul style="list-style-type: none"> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> 	<p>the entire 87.5% bulk metre sample after riffle splitting to yield the representative sample and removal of the 1kg pan concentrate aliquot.</p> <p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> • All sampling was conducted as per the June 2023 programme, but duplicates at 1 in 40 were taken by passing the total reject sample through an 87.5:12.5 riffle splitter in the same manner as the primary sample.
<p>Quality of assay data and laboratory tests</p>	<ul style="list-style-type: none"> • <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i> • <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i> 	<p>Ark Mines May to June 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> • Metre samples were sent to North Australian Laboratories (NAL) for total digest assay: • Samples were weighed then kiln dried and re-weighed. • 1 in 5 samples was tested for moisture content. • 1 in 3 samples was tested for dry loose bulk density. • Sample was then pulverization in an LM-5 to 90% passing 75 µm with assay aliquot selected by laboratory splitter. • Al, Ca, Cr, Fe, Mg, P, S, and Ti were assayed by 4 acid digest with ICP-OES finish. • Sc, Y, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Si, Sr, Pb were assayed by sodium peroxide fusion in nickel crucibles with ICP-MS finish. • Field duplicates were taken at 1:40 by 50:50 riffle split of the assay aliquot. • For total digest samples: <ul style="list-style-type: none"> • Laboratory repeats were requested at no less than 1 in 40 but carried out by the laboratory at 1 in 10. • Standard insertion was carried out by the laboratory at 1 in 12. • Assay of blank quartz flushes was requested at 1 in 40. • For pan concentrate samples <ul style="list-style-type: none"> • Laboratory repeats were requested at no less than 1 in 40. • Standard insertion was requested of the laboratory at no less than 1 in 40. • Assay of blank quartz flushes was requested at 1 in 40. • Total radiometric count was measured on all assay samples using a SAIC Exploranium GR-110G hand held scintillometer, hired from Terra Search Townsville, pre-calibrated. • Reading times were 10 second accumulations, which was the machine maximum, with 100x10 second background accumulations taken per day, per measuring station. • IHC Mining Laboratory procedures for pan concentrate composite samples was: <ul style="list-style-type: none"> • Creation of duplicates by split at a rate of 1 in 24 • Screen to -1mm and weigh • Heavy liquid separation and weigh • Pulverization of the heavy mineral fines by extended grind • Portable XRF analysis of the pulp

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> • QAQC implemented is believed sufficient to establish accuracy and precision. • Mineral Technologies preliminary met' samples were processed at bench scale by: <ul style="list-style-type: none"> • 55.2kg of individual samples were combined by rotary homogenisation then split to yield a representative aliquot of 38.3 kg for process testing. • The composite sample was screened to 2000 µm, 500 µm and wet screened at 20 µm with the 500 to 20 µm fraction then passed through 2 stages of gravity separation using Wilfley table (rougher stage). • The Wilfley concentrate was passed through a bromoform heavy liquid separation flask (cleaner stage). • The HLS sinks were attrition cleaned for 5 minutes at a 65% wet weight density and deslimed, then passed through a Geoteknica FM3 froth floatation cell using starch depressant and sodium silicate surfactant. • Both sinks and floats were separately processed through a dry induced Reading magnetic separator. • This yielded 4 final streams of mag and non-mag floats (containing the bulk of REE) and mag and non-mag sinks, containing the bulk of zircon, as well as various tails from each previous stage. • Percentages of material passing or rejecting at each stage were determined by mass. • The float magnetic fraction was further refined by semi-lift magnetic separator to determine feasibility of individual mineral species separation, but the yields of this process were not assayed due to volumetric limits from this round of processing. • Mineral Technologies sent samples of the tails and product concentrates, excluding SLM stage products, to Bureau Veritas Brisbane for assay: <ul style="list-style-type: none"> • Samples were dried and pulverised using tungsten carbide bowls in a vibrating pulveriser to 90% passing 75 µm with a BQF before each sample. • Sample was fused to a glass bead to determine Fe, Si, Al, Cr, Mg, Mn, P, U, Th, V, Nb, S, Ca, K, Ce, Sn, Ti, and Zr oxides by XRF. • LOI was determined by mass after heating to 105°C (drying temp) and 1000°C (fusing temp). • Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Tm, Y and Yb were determined by laser ablation of fused bead with ICP-MS finish. • Standards were assayed at 1 in 3 to cover all elements in the suite for both assay methods. • Laboratory repeats were carried out at 1 in 4. <p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> • Metre samples were sent to North Australian Laboratories (NAL) for total digest assay:

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> • Samples were weighed then kiln dried and re-weighed. • 1 in 5 samples was tested for moisture content. • 1 in 3 samples was tested for dry loose bulk density. • Sample was then pulverization in an LM-5 to 90% passing 75 µm with assay aliquot selected by laboratory splitter. • Al, Na, Ca, Cr, Fe, Mg, P, S, and Ti were assayed by 4 acid digest with ICP-OES finish. • Sc, Y, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Si, Sr, Pb, K, Sn, W and As were assayed by sodium peroxide fusion in nickel crucibles with ICP-MS finish. • This represents a minor expansion on the June 2023 suite, with the inclusion of Na, K, As, W, Sn and As. • Field duplicates were taken at 1:40 by 50:50 riffle split of the assay aliquot. • For total digest samples: <ul style="list-style-type: none"> • Laboratory repeats were requested at no less than 1 in 40 but carried out by the laboratory at 1 in 10. • Standard insertion was carried out by the laboratory at 1 in 12. • Assay of blank quartz flushes was requested at 1 in 40.
<p><i>Verification of sampling and assaying</i></p>	<ul style="list-style-type: none"> • <i>The verification of significant intersections by either independent or alternative company personnel.</i> • <i>The use of twinned holes.</i> • <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> • <i>Discuss any adjustment to assay data.</i> 	<p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> • Significant intersections have not yet been determined. • 11 twin holes have been drilled for a total of 104.85 twin metres Two of these twins are using power auger to twin air core, to support both resource and reconnaissance works. • Data was entered into MS excel then verified against hard copy data, followed by import into Datamine Studio RM for validation. • Primary data is stored as hard copy, electronic tables in CSV format and Datamine format. • Assay data yielding elemental concentrations for rare earths (REE) within the sample are converted to their stoichiometric oxides (REO) in a calculation performed using the conversion factors in the table below. • Rare Earth oxide is the industry accepted form for reporting rare earths. The following calculations have been used for reporting: <ul style="list-style-type: none"> • TREO = La2O3 + CeO2 + Pr6O11 + Nd2O3 + Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3 • CREO = Nd2O3 + Eu2O3 + Tb4O7 + Dy2O3 + Yb2O3 • LREO = La2O3 + CeO2 + Pr6O11 • HREO = Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3 • ND/Pr = Nd2O3 + Pr6O11 • TREO – Ce = TREO – CeO2 • %NdPr + NdPr/TREO

Criteria	JORC Code explanation	Commentary																																																									
		<table border="1"> <thead> <tr> <th>Element Name</th> <th>Element Oxide</th> <th>Oxide Factor</th> </tr> </thead> <tbody> <tr><td>Ce</td><td>CeO2</td><td>1.2284</td></tr> <tr><td>Dy</td><td>Dy2O3</td><td>1.1477</td></tr> <tr><td>Er</td><td>Er2O3</td><td>1.1435</td></tr> <tr><td>Eu</td><td>Eu2O3</td><td>1.1579</td></tr> <tr><td>Gd</td><td>Gd2O3</td><td>1.1526</td></tr> <tr><td>Ho</td><td>Ho2O3</td><td>1.1455</td></tr> <tr><td>La</td><td>La2O3</td><td>1.1728</td></tr> <tr><td>Lu</td><td>Lu2O3</td><td>1.1371</td></tr> <tr><td>Nd</td><td>Nd2O3</td><td>1.1664</td></tr> <tr><td>Pr</td><td>Pr6O11</td><td>1.2081</td></tr> <tr><td>Sc</td><td>Sc2O3</td><td>1.5338</td></tr> <tr><td>Sm</td><td>Sm2O3</td><td>1.1596</td></tr> <tr><td>Tb</td><td>Tb4O7</td><td>1.1762</td></tr> <tr><td>Th</td><td>ThO2</td><td>1.1379</td></tr> <tr><td>Tm</td><td>Tm2O3</td><td>1.1421</td></tr> <tr><td>U</td><td>U3O8</td><td>1.1793</td></tr> <tr><td>Y</td><td>Y2O3</td><td>1.2699</td></tr> <tr><td>Yb</td><td>Yb2O3</td><td>1.1387</td></tr> </tbody> </table>	Element Name	Element Oxide	Oxide Factor	Ce	CeO2	1.2284	Dy	Dy2O3	1.1477	Er	Er2O3	1.1435	Eu	Eu2O3	1.1579	Gd	Gd2O3	1.1526	Ho	Ho2O3	1.1455	La	La2O3	1.1728	Lu	Lu2O3	1.1371	Nd	Nd2O3	1.1664	Pr	Pr6O11	1.2081	Sc	Sc2O3	1.5338	Sm	Sm2O3	1.1596	Tb	Tb4O7	1.1762	Th	ThO2	1.1379	Tm	Tm2O3	1.1421	U	U3O8	1.1793	Y	Y2O3	1.2699	Yb	Yb2O3	1.1387
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Location of data points	<ul style="list-style-type: none"> 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. Specification of the grid system used. Quality and adequacy of topographic control. 	<p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> An initial collar survey by hand held GPS was conducted as a failsafe, with expected accuracy of $\pm 5000\text{mm}$ in x and y, and $\pm 50000\text{mm}$ in z. Full survey by Twine Surveys was subsequently carried out using RTKdGPS with accuracy of $\pm 20\text{mm}$ in x and y, and $\pm 200\text{mm}$ in z Twine's professional RTK survey was implemented between drill collars and used to generate a digital terrain model for high quality topographic control. All survey data is recorded in MGA 2020 zone 54 and AHD. 																																																									
Data spacing and distribution	<ul style="list-style-type: none"> Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied. 	<p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> Data spacing for 3 lines of drilling is 60m x 120m. Data spacing for the remaining 13 lines is 120m x 120m No compositing has been applied to 1m samples for total digest assay. Pan concentrates were composited per drill hole. Preliminary metallurgical sample was composited as discussed under <i>Laboratory Tests</i>. Representative metre samples for total digest assay were not composited, residual sub-metre hole ends were similarly assayed separately to preserve geometric representation. 																																																									
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 	<p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> Deposit type is fluvial channel placer with channels believed oriented north to north-east and meso scale structure oriented sub-horizontal arcuate. The applied vertical sampling is the optimal orientation for the deposit type. 																																																									

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	<ul style="list-style-type: none"> <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> 	<ul style="list-style-type: none"> No bias by orientation or spatial relationships has been identified.
Sample security	<ul style="list-style-type: none"> <i>The measures taken to ensure sample security.</i> 	<p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> Samples were collected after logging and transported at the end of each day to the company locked storage in Chillagoe. Samples were boxed in closed pumpkin crates, wrapped in plastic for shipping by courier to the laboratory in Pine Creek, NT. Samples for IHC Mining and Downer Mineral Technologies were similarly boxed, wrapped and couriered to the laboratories, but prior to shipping were stored on site at the Ark fenced bulk bag farm. Bagged reject was stored on site in Ark's fenced secure bag farm and covered in UV resistant tarping for future use.
Audits or reviews	<ul style="list-style-type: none"> <i>The results of any audits or reviews of sampling techniques and data.</i> 	<p>Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:</p> <ul style="list-style-type: none"> Full audit of sampling techniques and data available to date was carried out by geological consultants, Empirical Earth Science. EES notes that the composited concentrate samples results in assay representing diluted material with no internal separation possible. EES noted that the hand panning process of such fine material is prone to heavy mineral loss, with the possibility that concentrates underrepresent the total heavy mineral fraction. ESS noted that the pXRF technique used in initial concentrate assays is not suited to yield full REE data, but that the results can inform approximate proxy calculations for the full REE suite. EES noted that none of these factors apply to the representative metre samples and total digest assays, which meet best practice. EES noted that the preliminary metallurgy was of insufficient volume and source dispersion to represent the entire eventual resource, but was well suited to its stated purpose of proof of concept, testing recovery technique, and process to inform the next stage of bulk metallurgy. EES also noted that the preliminary metallurgy was selected from pan con composite results, representing a median grade material within that data set, and is thus a reasonable preliminary representation of grade and recovery performance.

Appendix B: Sandy Mitchell Stage 1 partial assay return

See Appendix A for stoichiometric oxide factors and REE calculations used.

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm	
SMDH 00013	0	1	25	649.2	696.9	681.7	648.3	633.1	48.6	16.1	158	155.5	15.2	32.5	147	304.8	32.1	114.3	19.5	2.1	13.3	1.6	7.5	1.3	3.2		2.5		53.5	4					313.9
SMDH 00013	1	2	50	297.9	336.1	327.4	293.5	284.8	42.6	13.1	93.6	77.1	8.7	29.5	63.6	128.6	15.1	54.8	11.1	2.1	9.5	1.2	6	0.9	2.6		2.4		19.3	2.5	40.1	262.1	4345	228.7	
SMDH 00013	2	3	70	235	278.4	253.9	252	227.5	26.4	7.5	65.6	57.6	24.5	18.9	52	106.7	12.2	40.8	8.7	1.3	5.8	0.8	3.8	0.6	1.3		1		18.2	2.6	28.6	668.1	11075.8	199.9	
SMDH 00013	3	4	70	421.1	479.2	440.9	451.6	413.3	27.6	7.8	100	100.2	38.3	19.8	96.1	199.1	21.9	72.6	13.5	1.9	8.2	1.1	4.6	0.7	1.4				39.5	5.8	54.1	373.9	6199	241.8	
SMDH 00013	4	5	80	369.1	405	389.2	376.6	360.8	28.4	8.3	90.9	88.4	15.8	20.1	84.9	172.3	19.2	64.2	11	1.6	7.6	0.9	4.1	0.6	1.7		1		30.4	2.6	27.2	351.4	5826.5	179.4	
SMDH 00013	5	6	90	257.5	323.9	288	281.1	245.2	42.8	12.3	85.3	66.6	35.9	30.5	53.4	112.6	13.3	46.7	10.4	1.5	7.3	1.1	5.5	1	2.9		1.8		17.6	1.9	27.2	1006.7	16689	282.5	
SMDH 00013	6	7	80	256.3	301.9	274.3	276.5	248.9	25.4	7.4	69.6	63.1	27.6	18	56.6	117.2	13.5	45.5	8.6	2	5.5	0.7	3.4	0.6	1.7		1		18.8	1.8	25.7	950.1	15750.6	278	
SMDH 00013	7	8	80	330.5	382.9	350.1	354.6	321.8	28.3	8.7	84.3	81	32.8	19.6	75.1	152.2	17.8	58.3	10.4	1.5	6.5	0.9	4	0.6	1.8		1.4		26.6	2.4	24.3	1068.4	17712.7	158.2	
SMDH 00013	8	9	90	468.4	517.9	492.3	482.1	456.5	35.8	11.9	117.8	118.4	25.6	23.9	106.1	212.6	25.9	85.1	15.1	1.4	10.3	1.4	6	0.9	2.3		1.3		36.4	3.4	28.6	928.8	15398	217.7	
SMDH 00013	9	10	70	743.9	826.3	780.3	774	728	52.3	15.9	179	179.4	46	36.4	164.8	354.3	38.7	130.2	23.5	1.9	14.6	1.9	8.6	1.1	2.3		2		63.7	8.3	50.4	481.1	7976.3	535.6	
SMDH 00013	10	10.5	90	404.9	449.9	426.9	417.2	394.2	32.7	10.7	102.8	102.4	23	22	90.4	183.6	22.8	73.5	13.7	1.2	9	1.2	4.9	0.7	2.2		1.7		33	3.2	21.5	1279.2	21207.5	302.4	
SMDH 00012b	0	1	40	567.5	625	608.1	567.9	551	57.1	16.5	150.1	137.6	16.9	40.6	122.8	266.9	29.8	99.4	19	1.7	11.4	1.4	7	1.3	3.1		3.1	0.6	53.1	9.2	28.6	291.8	4836.9	546.1	
SMDH 00012b	1	2	50	691.9	761.5	738.5	694.7	671.7	66.8	20.2	186	172.6	23	46.6	149.1	322	35.3	127	22.6	2.1	13.6	1.8	8.5	1.5	3.7	0.6	3.5	0.6	62.1	9.7	31	357.1	5920.3	690	
SMDH 00012b	2	3	80	418.2	456.6	443.7	421	408.1	35.6	10.1	104	98.5	12.9	25.5	94.8	199	21.3	71.2	13.1	1.3	7.4	1.1	4.9	0.8	1.9		1.4		31.1	3.9	27.2	811.1	13447.3	74.7	
SMDH 00012b	3	4	80	649.7	720	701	652.7	633.7	67.3	16	161.6	138.4	19	51.3	150.8	323.2	29.7	100.3	18	1.6	10.1	1.4	7	1.1	3.7		2.8		49.6	6.1	22.9	891.7	14783.8	111.7	
SMDH 00012b	4	5	70	412.2	463.8	437.7	429	402.9	34.8	9.3	107.4	101.2	26.1	25.5	90.7	190.6	21.6	73.8	14.8	2.3	9.1	1.1	4.7	0.8	1.8		0.9		37	7.1	42.6	360.4	5974.4	412.5	
SMDH 00012b	5	6	70	402.7	460	432.4	417.8	390.2	42.2	12.5	111.3	101.5	27.6	29.7	84.8	185.9	21.6	73.2	14.1	1.7	8.9	1.2	5.5	1	2.4		2.4		37.2	5.9	33.3	366.9	6082.4	331.6	
SMDH 00012b	6	7	80	338.1	381.7	361.8	348.1	328.2	33.6	9.9	90.4	83.4	19.9	23.7	72	157	18.1	60.3	11.9	1.4	7.5	0.9	4.1	0.8	1.9		2.2		33.3	3.9	27.2	363.6	6028.4	392.5	
SMDH 00012b	7	8	80	498.9	561.6	541.2	506.9	486.5	54.7	12.4	126.4	104.6	20.4	42.3	111.5	252.2	22.1	75.8	14.7	1.6	8.6	1.1	5.6	0.9	2.5		2.3		37.7	5.4	32.9	1086.4	18011.3	142.8	
SMDH 00012b	8	9	80	496.5	557.9	527.2	514.7	484	43.2	12.5	129.6	123.9	30.7	30.7	105	229.5	27.1	89.2	19	2.1	12.1	1.4	6.2	1	2.4		1.5		44.7	4.8	40.9	491.6	8149.7	408.3	
SMDH 00012b	9	10	90	325.5	382	362.1	336.1	316.2	45.9	9.3	102.3	81.3	19.9	36.6	66.1	152.4	17.2	59	11.9	1.6	8	0.9	4.2	0.8	1.7		1.7		27	2.7	24.7	327.1	5422.7	270.8	
SMDH 00012b	10	11	80	356.4	405.6	384.1	369.7	348.2	35.9	8.2	99.8	89.7	21.5	27.7	74.4	165.5	19.3	65.7	13.1	1.7	8.5	0.9	3.8	0.7	1.3		1.5		31.5	2.7	24.7	357.6	5928.9	250.8	
SMDH 00012b	11	12	75	348.9	409.6	382	368	340.4	41.6	8.5	101.5	85.4	27.6	33.1	72.8	165.1	18.4	61.9	12.5	1.4	8.3	0.9	4.2	0.7	1.6		1.1		31.6	3.9	25.6	461.6	7652.1	471.7	
SMDH 00012b	12	13	85	384.1	466.9	418.9	423.6	375.6	43.3	8.5	99.3	81	48	34.8	87.5	192.1	17.5	58.3	12.5	1	6.7	0.8	4.4	0.7	1.6		1		29.2	4.6	30	1089.7	18065.3	146.6	
SMDH 00012b	13	14	80	422.7	480.4	457.4	436.1	413.1	44.3	9.6	117.9	103.9	23	34.7	90.1	198.6	22.4	75.9	14.8	1.7	9.6	1.1	4.5	0.8	1.7		1.5		35.7	3.1	24	391.2	6486.2	174.1	
SMDH 00012	0	1	45	616.7	689.1	673.8	617.4	602.1	71.7	14.6	177.8	152.2	15.3	57.1	131.6	292	32.9	110.9	19.9	1.4	13.4	1.5	6.9	1.3	2.7		2.2		54.2	5.2	22.3	231	3830.3	742.3	
SMDH 00012	1	2	60	403.4	466.6	440.5	420.5	394.4	46.1	9	112.3	94.7	26.1	37.1	85.1	198.1	21	68.9	12.3	1.5	7.5	0.8	4	0.8	1.7		1.7		36	2.9	19.5	468.6	7768.7	646.8	
SMDH 00012	2	3	65	207.6	242.9	224.5	222.2	203.8	20.7	3.8	60.9	54.1	18.4	16.9	46.3	93.4	11.1	40.7	7	1	4.3		2.3		0.7		0.8		15.6	1.5	19.7	293.8	4871.1	533	
SMDH 00012	3	4	70	351	408.1	388.2	362.2	342.3	45.9	8.7	106.9	86.5	19.9	37.2	75.1	166.2	18	63.1	11.6	1.2	7.1	0.9	4.5	0.8	1.7		0.8		29.2	3.4	23.5	409.1	6782	349	
SMDH 00012	4	5	75	464	515.1	487.5	482.6	455	32.5	9	111	109.7	27.6	23.5	101.3	225.5	23.7	81.6	13.7	1.5	7.7	0.8	3.6	0.7	1.7		2.2		40.4	3.5	19.2	421.1	6981	445.2	
SMDH 00012	5	6	90	370.4	428.9	407.4	382.2	360.7	46.7	9.7	102.7	81.7	21.5	37	83.5	180.5	17.2	59.5	11.9	1.2	6.9	0.8	4.2	0.7	2.1		1.9		30.2	6.6	18.6	964.1	15983.8	96.6	
SMDH 00012	6	7	90	395.2	459.2	428.5	417.7	387	41.5	8.2	101.2	84.7	30.7	33.3	92.3	195.9	18.1	61.8	11.6	1.3	6	0.8	4	0.7	1.8		0.9		30	3.9	22.9	1078.9	17886.2	109.8	
SMDH 00012	7	8	90	411.7	458.3	441	418.3	401	40	10.7	109.4	99.6	17.3	29.3	92.2	194	20.8	73.5	12.3	1.3	6.9	0.8	4.5	0.9	2.6		1.9		35	2.6	21.5	1340.3	22219.8	165.7	
SMDH 00012	8	9	85	464.5	513.3	493.1	471.7	451.5	41.6	13	121.3	116.2	20.2	28.6	101.3	216.6	25.1	84	14.1	1.6	8.8	1.2	5.9	1	3		1.9		43.1	2.2	20	1167	19347.8	109.8	
SMDH 00012	9	10	90	479.6	527.5	507.3	488.1	467.9	39.4	11.7	117.7	113.6	20.2	27.7	107.8	227.7	25.3	81.6	14.8	1.7	9	1.1	5.6	0.9	2.5		1.6		43.2	2.5	22.9	1147.7	19026.4	115.4	
SMDH 00011b	0	1	65	548.1	606.8	582.9	557.1	533.2	49.7	14.9	136.2	129.4	23.9	34.8	118	264.8	29.6	92.1	17.5	1.6	9.6	1.2	6.5	1.1	3.3		2.8		47.9	3.4	21.5	962.4	15955.4	142.8	
SMDH 00011b	1	2	80	501.1	558.3	539.1	501.8	482.6	56.5	18.5	137	124.2	19.2	38	110.4	230.7	26.8	89.8	14.5	1.6	8.8	1.1	6.5	1.4	4.5	0.6	3.8	0.6	44.8	2.6	20	918.5	15227.4	146.6	
SMDH 00011b	2	3	85	437.8	488.2	462.1	453.2	427.1	35	10.7	112.1	110.4	26.1	24.3	93.5	205.6	23.8	81.9	13.7	1.2	7.4	0.8	3.9	0.8	1.9		3.3		41.9	3.8	18.7	462.1	7660.6	372	
SMDH 00011b	3	4	95																																

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00009b	4	5	80	770.3	809.3	803.6	760.8	755.1	48.5	15.2	185.4	191.1	5.7	33.3	169	362.3	41.1	141.1	24.5	2.1	15	1.6	7.3	1.3	3		2		70.9	3.7	27.2	1093.8	18133.5	173.7
SMDH 00009b	5	6	90	731.9	793.2	774.6	732.5	713.9	60.7	18	186.5	181.3	18.6	42.7	158.3	344.8	39.5	131.8	22.6	2	14.9	1.6	8.4	1.4	3.9		2.7		70.7	4	22.9	962.8	15961	126.3
SMDH 00009b	6	7	75	598.1	678.5	640.6	616.3	578.4	62.2	19.7	159.9	148.4	37.9	42.5	129.5	276.5	33	106.1	19	2	12.3	1.4	7.9	1.5	4.3	0.6	3.4	0.6	56.3	3.1	18.6	952.3	15787.6	114.4
SMDH 00009b	7	8	75	623	684.8	660.3	632.2	607.7	52.6	15.3	161.9	154.7	24.5	37.3	140.1	287.1	32.5	113.7	19.9	2.4	12	1.4	7.1	1.3	3		2.5		58.4	3.3	23.9	491.4	8146.9	381.2
SMDH 00009	0	1	45	475.2	538.3	518.4	477	457.1	61.3	18.1	139.3	119.6	19.9	43.2	101.3	218.7	24.9	86.3	15	1.4	9.5	1.3	7.1	1.4	3.7	0.6	3.4	0.6	42.2	3.3	18.9	394.8	6545.9	480.2
SMDH 00009	1	2	55	649	734.2	697.5	666.3	629.6	67.9	19.4	174.7	158.3	36.7	48.5	145.3	299.6	33.8	114.3	21.5	1.7	13.4	1.6	8.6	1.5	4.3		3.4		58.5	4.1	22.9	915.1	15170.5	155.5
SMDH 00009	2	3	80	696.2	776.1	750.6	696.6	671.1	79.5	25.1	195.9	176.2	25.5	54.4	148.5	319.3	36.6	128.3	22.1	1.9	14.4	1.9	9.4	1.9	5.6	0.7	4.9	0.7	61.6	4.2	30	1151.8	19094.7	135.5
SMDH 00009	3	4	90	650.8	698	690.5	640	632.5	58	18.3	168.7	161.6	7.5	39.7	142.4	302.4	34.3	117.8	20.9	1.7	13	1.5	8	1.4	4		3.4		58.8	2.9	30	1289.5	21378.1	149.7
SMDH 00009	4	5	90	529.7	641.3	566.5	587.3	512.5	54	17.2	142.5	132.8	74.8	36.8	116.2	241.4	29.1	95.6	17.3	2	10.9	1.4	6.7	1.4	4.1		3	0.6	48.2	2.4	27.2	1147.3	19020.7	95.4
SMDH 00009	5	6	90	409.3	463.1	439	424.1	400	39	9.3	108.4	97.6	24.1	29.7	91.1	195.1	21	71.2	11.8	2.1	7.7	1.2	4.2	0.7	1.8		1.4		35.5	2.4	25.7	866.7	14368.6	74.4
SMDH 00009	6	7	95	574.2	654.3	628.2	583.7	557.6	70.6	16.6	156.3	129.7	26.1	54	127	279.7	29.1	92.1	17.9	1.7	10.1	1.5	7	1.3	3.8		3		49.7	3.9	31.5	1516.6	25143	126.7
SMDH 00009	7	8	95	605.6	727.4	684	626.4	583	101	22.6	184.7	132.5	43.4	78.4	135.8	293.6	27.8	94.5	18.9	1.6	10.8	1.8	8.4	1.6	4.8	0.6	4.7	0.7	48.9	5.3	32.9	1395.5	23135.4	183.3
SMDH 00009	8	9	95	556.1	646.5	602.8	589.5	545.8	57	10.3	138.5	115.3	43.7	46.7	129.9	281.4	25.1	84	15	1.6	8.8	1.3	4.9	0.8	1.9		1.4		43.2	5.1	34.3	1308.5	21693.7	111.6
SMDH 00009	9	10	90	502.9	588.8	545.2	537.1	493.5	51.7	9.4	126.7	106.9	43.6	42.3	115.5	251.2	23.9	77	15.5	1.4	9	1.2	4.8	0.7	1.7		1		41.2	4.5	30	1460.9	24218.8	128.9
SMDH 00009	10	11	95	637	713.9	676.5	662	624.6	51.9	12.4	150.2	140.3	37.4	39.5	145.9	312.8	31.3	101.5	19.5	1.7	11.9	1.5	6	0.9	2.4		1.6		54.4	4	35.8	1899.9	31498.4	174.8
SMDH 00009	11	12	95	572.4	657.8	619.1	596.4	557.7	61.4	14.7	150.4	130.3	38.7	46.7	128.2	275.3	28.3	94.5	19	1.7	10.7	1.6	5.9	1.1	3.3		2.8		50.5	3.8	30	1256.1	20823.6	134.3
SMDH 00009	12	13	95	632.2	763.7	731.3	636.6	604.2	127.1	28	227	158.8	32.4	99.1	132.4	292	32.6	113.1	19.4	1.7	13	2.9	10.2	2.2	5	0.9	6	0.8	58.5	3.3	32.9	988.7	16390.4	142.4
SMDH 00008b	0	1	50	417.4	474.2	451.2	425.5	402.5	48.7	14.9	119.9	107.3	23	33.8	90.1	189.4	22.5	77.3	13.5	1.3	8.4	1.1	6.4	1.1	2.7	0.6	3		37.9	2.4	17.2	605.3	10035	478.5
SMDH 00008b	1	2	85	648.7	752.9	713.5	670.5	631.1	82.4	17.6	189.5	157.3	39.4	64.8	138.7	309.6	34.3	113.1	21.1	1.7	12.6	2.4	7.5	1.4	2.9	0.6	2.8		60.1	3.3	28.6	1323.5	21941.1	124
SMDH 00008b	2	3	90	421.3	481.7	452.3	443.3	413.9	38.4	7.4	112.5	102.8	29.4	31	91.9	202.3	22.8	74.6	13.2	1.5	7.6	1.4	4		1		1		38.9	2.5	24.3	1061.4	17596.1	102.9
SMDH 00008b	3	4	70	592.9	676.3	638.4	618.9	581	57.4	11.9	165.2	148.9	37.9	45.5	128.2	281.4	31.2	109.6	17.2	2	11.4	2	6.1	0.9	1.6		1.3		55.6	3.1	28.6	1004.8	16657.7	136.6
SMDH 00008b	4	5	85	607.8	685.8	661.1	619.1	594.4	66.7	13.4	176.1	152.6	24.7	53.3	133.9	283.6	31.8	112	19.2	2	11.9	2	6.8	1	1.8		1.8		56.1	2.8	32.9	1023.6	16970.5	90.5
SMDH 00008b	5	6	90	250.4	293.2	268.7	265.3	240.8	27.9	9.6	63.9	72.4	24.5	18.3	51.8	105.5	28.5	39.7	8.3	1.7	5.3	0.8	3.4	0.9	2.5	2		17.9	3.1	28.6	942.5	15625.5	201.7	
SMDH 00008b	6	7	90	551.1	631	600.8	568	537.8	63	13.3	160.3	139	30.2	49.7	121	256.6	30.3	100.3	16.9	1.9	10.8	2.1	6.3	1	2.1		1.8		50.5	2.6	34.3	747.8	12398	62.1
SMDH 00008b	7	8	95	662.8	756.2	720.2	683.1	647.1	73.1	15.7	189.9	165.3	36	57.4	144	313.5	34.7	120.1	20.1	1.9	12.8	2.6	7.9	1.1	2.3		1.8		61.2	2.9	34.3	942.9	15631.2	103.5
SMDH 00008b	8	9	98	565.1	619.6	619.6	544.1	544.1	75.5	21	163.9	137.4		54.5	120	264.2	29.7	98	19	1.7	11.5	1.8	7.9	1.5	4.5	0.6	4.1	0.6	50.9	3.4	32.9	1047	17357.2	92.8
SMDH 00008b	9	10	95	560.6	657	629.9	565	537.9	92	22.7	178.2	135.4	27.1	69.3	120.7	263.2	28.2	96.8	16.6	1.7	10.7	1.8	8.6	1.6	5	0.6	4.4	0.7	48.1	4.2	35.8	881.6	14616	94.3
SMDH 00008b	10	10.5	95	526	636.9	603	538	504.1	98.9	21.9	173	120	33.9	77	115.4	250.1	25.6	85.1	16.5	1.6	9.8	1.6	7.7	1.5	4.9	0.7	4.9	0.6	43.4	4.7	34.3	947.5	15708	141
SMDH 00008	0	1	50	489.2	580.9	542.7	514.9	476.7	66	12.5	137.3	106	38.2	53.5	110.9	242.5	23.6	75.8	14.3	1.4	8.2	1.3	5.3	0.9	2.6		2.4		42.7	4.1	30	898.8	14900.4	112.3
SMDH 00008	1	2	65	390.1	473	431.6	414.1	372.7	58.9	17.4	118.1	95.8	41.4	41.5	86.1	177	20.5	68	12.1	1.3	7.7	0.9	6.4	1.3	3.4	0.6	4.1	0.7	41.9	2.2	21.9	525.9	8718.4	248.4
SMDH 00008	2	3	90	390.7	481.8	455.7	400.4	374.3	81.4	16.4	132.4	84.5	26.1	65	88.4	188.3	18.4	59.5	11.5	1.3	6.9	1.1	5.5	1.1	3.9	0.6	3.6	0.6	32.1	4.6	32.9	840.6	13936.4	144.9
SMDH 00008	3	4	95	504.1	608.7	568.4	526.2	485.9	82.5	18.2	154.7	112.7	40.3	64.3	112	242.5	23.9	80.5	15.4	1.6	10	1.5	6.8	1.3	3.9		4.1	0.6	40.3	4.7	28.6	991.1	16430.2	134.3
SMDH 00008	4	5	95	491.9	591.7	550.3	515.9	474.5	75.8	17.4	148.7	112.9	41.4	58.4	108.1	235.7	24.2	80.5	15.2	1.6	9.2	1.4	6.8	1.3	4		3.9		40.6	4.6	28.6	709.4	11761.1	114.5
SMDH 00008	5	6	95	415.9	495.7	458.4	438.3	401	57.4	14.9	127.5	105.7	37.3	42.5	86.8	190.5	22.4	75.8	15	1.7	8.8	1.4	6.1	1	3.3		3.1		36.6	2.9	24.3	809.8	13424.6	90.4
SMDH 00008	6	7	95	593.6	705.7	674.4	591.7	560.4	114	33.2	204.5	154.2	31.3	80.8	121.2	263	32.4	108.5	20.1	1.9	13.3	2.2	11.1	2.2	7.8	1	7.6	1.3	52.5	3.2	34.3	923.8	15315.6	98.2
SMDH 00007b	0	1	45	673.1	772	745.9	679.3	653.2	92.7	19.9	203.6	164.6	26.1	72.8	142.6	318.8	35.5	119.2	21.6	1.7	13.8	1.6	8.3	1.5	3.5	0.6	3.8	0.6	58.8	4.2	22.5	355.7	5897.6	873
SMDH 00007b	1	2	5	354.8	448.7	416.5	371.4	339.2	77.3	15.6	135.2	89.4	32.2	61.7	72.7	163.3	17.9	64.4	11.4	2	7.5	1.1	6	1.3	3	0.6	3	0.6	29.9	3.7	26.6	399.8	6628.4	489.5
SMDH 00007b	2	3	40	94.2	137.6	109.2	118.3	89.9	19.3	4.3	34.4	23.1	28.4	15	21.6	40																		

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00006	6	7	90	540.9	665.4	620.3	565.6	520.5	99.8	20.4	188	134.8	45.1	79.4	113.6	252.7	27.9	96.8	17.2	1.7	10.6	1.8	8.3	1.6	3.4	0.7	4	0.6	49.2	2.6	42.9	560.2	9287.2	462.8
SMDH 00006	7	8	80	557.1	662.8	632.7	568.7	538.6	94.1	18.5	192.3	145.1	30.1	75.6	116.1	256.1	30.3	105	17.7	1.9	11.5	2	7.8	1.5	3.1	0.6	3.5		53.6	2.6	37.2	626.1	10379.1	475.2
SMDH 00006	8	9	90	489.9	597.2	546.3	525.9	475	71.3	14.9	146.5	112	50.9	56.4	103.1	241.6	23.3	81.6	15.5	1.4	8.5	1.4	5.7	1.3	2.9		3	0.6	38	3.4	28.6	638.2	10581	315.1
SMDH 00006	9	10	90	482.4	571.9	541.2	499.1	468.4	72.8	14	145.3	107.3	30.7	58.8	103	240.8	22.2	78.1	14.3	1.4	8.6	1.3	5.7	1.1	2.9		3		37	3.7	30	621.8	10308	431.7
SMDH 00005b	0	1	20	622.3	668.3	657.6	616.3	605.6	52	16.7	139.9	133.2	10.7	35.3	111.4	338.3	29.8	95.4	17.7	1.2	11.8	1.3	6.7	1.5	3	0.6	3	0.6	56.1	3.3	18.6	507.5	8414.2	786.6
SMDH 00005b	1	2	25	518.3	576	543.8	538.8	506.6	37.2	11.7	124.6	125	32.2	25.5	106.5	253.4	27.5	91.3	16	1.6	10.3	1.2	5	0.9	2.1		2.5		44.4	2.7	17.6	522.3	8658.7	507.5
SMDH 00005b	2	3	65	476.1	548.1	515.6	500.2	467.7	47.9	8.4	122.9	104.3	32.5	39.5	105.7	239.5	22.1	77	14.5	1.2	7.7	1.1	4.1	0.7	1.4		1.1		37.8	3.7	32.9	1086.2	18008.4	454.7
SMDH 00005b	3	4	90	528.3	606.7	576.3	547.7	517.3	59	11	143.2	118.2	30.4	48	119.7	259.8	24.4	87.5	15.5	1.4	9	1.3	5	0.8	2.2		1.7		36.4	3.3	27.2	665.8	11038.8	393.5
SMDH 00005b	4	5	90	520.7	588.1	563.4	533.7	509	54.4	11.7	137.2	117.1	24.7	42.7	116.1	257.2	24.3	86.3	15.2	1.7	8.2	1.2	5.3	0.8	2.2		2.2		37.4	3.1	22.9	712.2	11806.6	453.5
SMDH 00005b	5	6	95	530.2	614.3	576.4	555.9	518	58.4	12.2	139.7	116.5	37.9	46.2	118.1	264	24.6	85.1	15.5	1.6	9.1	1.3	5.5	0.9	2.2		2.3		38.8	3.4	28.6	719.4	11926	464.9
SMDH 00005	0	1	50	448.8	533.7	491.5	478.3	436.1	55.4	12.7	126.3	103.7	42.2	42.7	93.6	222.6	21.4	75.8	14	1.3	7.4	1.2	5.3	0.9	2.7		2.6		35	2.9	24.3	511.1	8473.9	426.3
SMDH 00005	1	2	40	382.1	437.4	400.6	412.6	375.8	24.8	6.3	90.6	90.7	36.8	18.5	84.6	184.1	20.1	66.5	11.5	1.5	7.5	0.7	3.4	0.7	1.5				32.3	3.1	19.2	678.4	11246.4	770.9
SMDH 00005	2	3	60	675.1	760.8	718.8	702.9	660.9	57.9	14.2	171.4	160.2	42	43.7	142.7	328.1	34.2	119	23	1.7	12.2	1.5	5.5	1	3		3.2		50.8	2.7	22.9	702	11638.8	381.6
SMDH 00005	3	4	65	476	536.4	506	494.3	463.9	42.1	12.1	124.9	117.8	30.4	30	105.6	222.8	24.3	87.5	15.3	1.4	7	1.1	4.9	0.9	2.2		3		41.9	2.1	20	662.1	10976.2	344.3
SMDH 00005	4	5	65	522.3	568.6	557.1	520.3	508.8	48.3	13.5	136	126.6	11.5	34.8	114.9	247	26.7	93.3	16.4	1.3	9.2	0.9	5.7	1.1	2.4		3.4		44.9	2.4	22.9	689	11422.7	352.7
SMDH 00005	5	6	80	517.4	576.2	553	527.1	503.9	49.1	13.5	135.9	124.1	23.2	35.6	118.5	241	25.1	92.1	16.4	1.3	9.5	1.2	5.7	1	2.3		3.3		40.5	2.4	28.6	591.4	9804.7	369.8
SMDH 00005	6	7	75	486.3	552.9	526.7	495.5	469.3	57.4	17	138.9	121.4	26.2	40.4	103.4	225.8	24.4	88.6	16.4	1.5	9.2	1.2	7.2	1.3	2.6	0.6	4.1		41.8	2.9	28.6	733.9	12167.7	259.5
SMDH 00005	7	8	85	521.9	582.7	558.2	531.8	507.3	50.9	14.6	138.7	127.1	24.5	36.3	113.1	246.4	26.1	93.3	17	1.4	10	1.2	6.5	1.3	2.2		3.4		47.1	2.4	34.3	640.6	10620.8	419.6
SMDH 00005	8	9	90	476.1	536.3	512.5	485.8	462	50.5	14.1	129.5	116.2	23.8	36.4	103.4	223.9	24.4	84	16	1.3	9	1.3	6.5	1.1	2.1		3.1		42.9	2.1	32.9	496.7	8235	360.5
SMDH 00005	9	10	92	516.4	587.5	554.5	534.2	501.2	53.3	15.2	144.7	131.8	33	38.1	110.7	239.4	26.8	96.8	16.6	1.6	9.3	1.2	7	1.1	2.3		3.6		48.1	2	35.8	658	10908	383.1
SMDH 00004b	0	1	40	372.8	403.6	401	362.7	360.1	40.9	12.7	101.8	92.3	2.6	28.2	76.6	175.9	19.7	66.5	12.9	1	7.5	0.9	5.2	0.9	3.1		2.6		38.2	2.2	18.6	969.6	16074.8	84.7
SMDH 00004b	1	2	45	564.6	647.7	594.8	605.8	552.9	41.9	11.7	137.3	134	52.9	30.2	114.1	283.1	29	99.1	15.7	2.1	9.8	1.1	4.8	0.9	2.7		2.2		41.4	2.5	35.8	878	14556.3	89.4
SMDH 00004b	2	3	90	387.9	424.9	414.6	388	377.7	36.9	10.2	102.7	94.4	10.3	26.7	84.8	182.7	19.7	70	11.8	1.3	7.4	0.8	3.9	0.8	2.4		2.3		37.4	2.2	21.5	922.6	15295.6	92
SMDH 00004b	3	4	85	377.6	417.6	406.9	377.2	366.5	40.4	11.1	102.3	91.8	10.7	29.3	87.4	172	19.8	66.5	12.2	1	7.6	0.9	4.6	0.8	2.6		2.2		37.3	2.4	21.5	916.3	15190.4	74.3
SMDH 00004b	4	5	85	561.8	621.3	608.9	553	540.6	68.3	21.2	166	146.5	12.4	47.1	121	245.9	30	106.1	21.5	2.4	13.7	1.6	8.8	1.6	4.7	0.6	3.9		45.9	2.2	24.3	1035.5	17166.7	91.3
SMDH 00004b	5	6	80	351.3	393.3	380.1	353.9	340.7	39.4	10.6	101.4	90.5	13.2	28.8	78.5	154.8	19.6	65.3	12.4	1.7	8.4	0.9	4.7	0.9	2.5		1.6		30	1.9	24.3	900.3	14926	74.2
SMDH 00004b	6	7	60	455.8	510	489.3	462.3	441.6	47.7	14.2	123.9	113.3	20.7	33.5	100.6	208.1	24.3	81.6	15.5	1.4	10.1	1.3	6.1	1	3.1		2.7		44.3	2.1	30	925.2	15338.3	92
SMDH 00004b	7	8	65	512.4	583.8	580.6	499	495.8	84.8	16.6	175.7	133.2	3.2	68.2	109.4	231.6	27.2	96.8	16.9	1.5	12.4	2.2	7	1.3	2.7	0.6	2.8		53	3.1	27.2	1146.6	19009.4	98.6
SMDH 00004	0	1	45	306	372.5	348.3	321.9	297.7	50.6	8.3	103.8	76.8	24.2	42.3	60	147.7	16.2	56	10.4	0.9	6.5	1.2	3.4	0.7	1.4		1.6		32.4	3.2	15.7	921.2	15272.9	90.8
SMDH 00004	1	2	45	192.3	267	240.2	213.3	186.5	53.7	5.8	86.2	46.8	26.8	47.9	43	88.7	9.9	33.8	5.9	1.4	3.8	0.7	2.4		1.1		1.6		14.3	3.3	15.7	746.5	12375.3	47.1
SMDH 00004	2	3	40	242.1	306.8	275.5	269.4	238.1	37.4	4	83.2	61.1	31.3	33.4	57	110.3	12.9	45.5	6.8	1.6	4	0.7	2		0.6	0.7		20	2.6	11.4	689.9	11436.9	45.4	
SMDH 00004	3	4	60	587.4	670.1	648.5	598.7	577.1	71.4	10.3	170.3	135.7	21.6	61.1	138.9	281.1	28.5	101.5	15.3	2	9.8	1.5	4.2	0.7	1.7		2.2		46.1	3.9	21.5	824	13660.6	97
SMDH 00004	4	5	55	517	599	569.1	537	507.1	62	9.9	149	121.9	29.9	52.1	117.3	248.1	26.7	89.8	14.7	1.7	8.8	1.3	4.1	0.8	1.7		2		45.2	3.1	20	982.1	16282.4	83.3
SMDH 00004	5	6	75	427	497.2	467.8	449.3	419.9	47.9	7.1	127.2	107.8	29.4	40.8	95.6	198.6	23.1	80.5	12.9	1.7	7.5	1.2	3		1.4		1.5		38	2.9	15.7	767.4	12722.2	67.8
SMDH 00004	6	7	70	303.2	384.5	334.2	348.6	298.3	35.9	4.9	89.5	72.9	50.3	31	66.8	145.4	16.1	53.7	9.5	1.7	5.1	0.9	2.2		0.9	0.9		27.5	2.4	14.3	707.7	11732.6	72.1	
SMDH 00004	7	8	85	438.8	477.6	457	453.8	433.2	23.8	5.6	111.6	117.6	20.6	18.2	95.7	198.5	26.3	87.5	14.8	2.1	8.3	0.9	2.9		1		0.8		43.4	1.2	11.4	583.2	9668.2	63.6
SMDH 00003b	0	1	60	506.9	567.6	550.1	509.3	491.8	58.3	15.1	152.6	137.1	17.5	43.2	102.7	230.1	28.9	100.3	17.5	1.2	11.1	1.5	6.4	1	3.1		3.1		55.9	2.8	17.2	821.6	13620.8	99.7
SMDH 00003b	1	2	80	565.6	683.2	649.5	570.5	536.8	112.7	28.8	215.2	162.4	33.7	83.9	125.8	223.1	34	115.5	21	2.9	14.5	2.2	10.7	2.1	5.8	0.9	6.3	0.8	53.6	2.2	21.5	912	15119.	

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00002	9	10	90	895.1	989.6	949.1	910.7	870.2	78.9	24.9	229	222.8	40.5	54	192.3	421.2	49.5	161	26.9	1.7	17.6	2.1	10.2	1.7	5.5	0.7	4.1	0.6	86.5	3.8	45.8	810.6	13438.8	663.9
SMDH 00002	10	11	95	891	1004	964.1	895.8	855.9	108.2	35.1	253.2	226.4	39.9	73.1	189.3	406.7	47.8	164.5	27.5	1.5	18.6	2.2	11.9	2.4	8.6	1.3	7.2	1.5	90.3	3.8	48.6	854.2	14161.1	425.6
SMDH 00002	11	12	98	601.8	697.1	660	610.9	573.8	86.2	28	180.3	152.5	37.1	58.2	126.5	271.2	32.1	109.6	19.1	1.7	13.6	1.6	9.2	1.7	7	1	6.4	1.1	55.9	3.7	28.6	802.7	13308	710.5
SMDH 00002	12	13	95	561.2	641	606.2	573.6	538.8	67.4	22.4	158.9	142.9	34.8	45	118.7	253.7	30.4	103.8	18.6	1.4	12.2	1.4	7.3	1.4	5.5	0.8	5.1	0.9	54.8	3.1	20	871.3	14445.4	580.8
SMDH 00002	13	14	90	475.4	542.6	512.5	485.8	455.7	56.8	19.7	133.4	120.5	30.1	37.1	99.8	216.7	25.7	87.5	14.6	1.5	9.9	1.2	6.1	1.1	5.3	0.7	4.4	0.9	44.9	2.5	17.2	974.2	16151.6	533.3
SMDH 00001b	0	1	65	436.7	502.3	470.1	454.9	422.7	47.4	14	124.7	113.6	32.2	33.4	92.8	199.1	23.9	82.8	13.6	1.6	8.9	0.9	6	0.9	3.4		2.8		39.4	2.5	20	1360.7	22558.2	757.7
SMDH 00001b	1	2	50	180.1	231.7	204.1	200.1	172.5	31.6	7.6	66.4	51.3	27.6	24	52.7	60.1	10.6	37.3	5.5	1.7	4.6		3.4		2.6		1.6		9.6	0.6	21.5	1683.7	27912.6	259.2
SMDH 00001b	2	3	60	178.1	228.7	197	202.9	171.2	25.8	6.9	57.2	46.6	31.7	18.9	38.5	78.7	9.8	33.8	4.6	1.5	4.3		3	0.6	1.9		1.4		11.6	0.7	30	1853.1	30722.1	329.5
SMDH 00001b	3	4	70	216.3	305.9	253.4	251.8	199.3	54.1	17	88	58.9	52.5	37.1	34.7	95.7	11.1	39.7	7.9	3.1	7.1	1.1	7	1.1	4.2	0.6	3		6.6	1.1	51.5	3225.3	53470.8	276.8
SMDH 00001b	4	5	60	206.9	291.2	245.3	235.9	190	55.3	16.9	84.3	53.8	45.9	38.4	34.5	93.6	9.8	36.2	7.3	1.9	6.7	1.1	6.7	1.1	4.1	0.6	3.3		8.1	0.9	45.8	3291	54559.9	286.9
SMDH 00001b	5	6	75	392.2	489.1	444	413	367.9	76.1	24.3	129.2	95.9	45.1	51.8	79.6	180.8	20.2	66.5	10.8	1.7	8.3	1.2	8	1.6	6.2	0.8	5.5	1	29.7	1.4	31.5	1390.7	23055.8	482.2
SMDH 00001b	6	7	70	312.6	370.1	340	330.4	300.3	39.7	12.3	88.9	76.6	30.1	27.4	67.8	146.2	16.6	54.8	8	1.5	5.4	0.7	4.5	0.8	3.7		2.6		26.3	1.2	14.3	643.2	10663.4	425.8
SMDH 00001b	7	8	85	322.9	383.8	353.4	340.2	309.8	43.6	13.1	95.4	80.6	30.4	30.5	71	147	17.2	58.3	8.5	1.5	6.3	0.7	4.4	0.9	3.5		3	0.6	25.3	1.4	22.9	1157.3	19185.7	430.2
SMDH 00001b	8	9	90	382.1	462.5	424.5	399.6	361.6	62.9	20.5	119.6	96.6	38	42.4	84.8	166.8	21.5	67.7	11	2.1	7.7	1.2	6.2	1.4	5.3	0.8	4.8	0.8	26.9	1.7	48.6	1325.9	21980.9	401.2
SMDH 00001b	9	9.5	80	277.1	336.9	306.2	294.8	264.1	42.1	13	85	68.3	30.7	29.1	62.3	125.5	14.3	49	6.6	1.9	4.5	0.6	4.4	0.8	3.4	0.6	2.6	0.6	20.4	0.8	24.3	727.6	12062.5	380
SMDH 00001	0	1	40	379.9	443.9	407.1	406.1	369.3	37.8	10.6	103.4	94.7	36.8	27.2	85.3	171.9	19.7	69.5	13.5	1.2	8.2	0.9	4.6	1	2.4		1.7		37.6	4.5	17.9	566.2	9386.7	745.4
SMDH 00001	1	2	55	578.2	652.1	619.6	589.9	557.4	62.2	20.8	151.4	140.3	32.5	41.4	114	282.4	31.9	99.1	16.6	1.6	11.8	1.5	7.8	1.5	4.8	0.7	3.8	0.7	48.7	3.1	18.6	1067.6	17698.5	773.3
SMDH 00001	2	3	60	410.6	462.1	437.4	423.7	399	38.4	11.6	105.6	98.9	24.7	26.8	84.1	200	21	72.3	12.2	0.9	8.5	0.8	4.8	0.8	2.7		2.5		37.9	2.1	10	808.2	13399	712.7
SMDH 00001	3	4	50	390.1	454.8	416.9	416.4	378.5	38.4	11.6	104.5	97.8	37.9	26.8	86.2	179.8	21.3	71.2	11	1.2	7.8	0.8	4.5	0.8	3.2		2.3		33.7	2.5	17.2	821.1	13612.2	404
SMDH 00001	4	5	90	301.6	364.8	322.6	334.3	292.1	30.5	9.5	81.4	75.7	42.2	21	68.6	136.7	16.6	54.8	8.2	1.3	5.9	0.6	3.7	0.6	2.3		2.3		26.3	2	20	880.4	14596.1	347.4
SMDH 00001	5	6	85	251.6	313.4	271.4	284.6	242.6	28.8	9	71.7	64.2	42	19.8	56.8	113	13.5	46.7	6.7	1.2	4.7	0.6	3.4	0.6	2.2		2.2		20.1	1.8	18.6	634.3	10515.6	374
SMDH 00001	6	7	80	345.4	402.1	363.3	376.3	337.5	25.8	7.9	86.6	85.5	38.8	17.9	77.9	161	18.2	63	9.4	1.4	6.6	0.6	3.7		2.1		1.5		29.6	2.2	20	757.6	12560.1	353
SMDH 00001	7	8	95	334.1	384.7	354.3	356.1	325.7	28.6	8.4	86.6	83.6	30.4	20.2	74.4	155	18.6	60.7	9.4	1.4	6.2	0.7	3.6		2.4		1.7		28.6	1.8	17.2	817.6	13555.4	368.9
SMDH 00001	8	9	85	406.9	454.7	431.5	419.2	396	35.5	10.9	107.6	104.6	23.2	24.6	86.1	187.7	22.8	77	13.5	1.2	7.7	0.8	4	0.7	2.9		2.5		36.8	2.1	15.7	797.2	13217	402.7
SMDH 00001	9	10	90	349.5	395.8	370.5	365.3	340	30.5	9.5	93.6	91.1	25.3	21	72.6	160.9	19.7	66.5	11.6	1.2	7.5	0.7	4.2	0.6	2.1		1.9		33.3	1.7	18.6	951.1	15767.7	427.5
SMDH 00001	10	11	60	400.5	447.6	423.1	414.1	389.6	33.5	10.9	106.2	104.7	24.5	22.6	85.1	183.8	22.1	77	12.6	1	8	0.8	4.8	0.7	2.4		2.2		34.8	2.6	20	997.9	16544	440.9
SMDH 00001	11	12	65	382.2	425.3	401.5	396.8	373	28.5	9.2	99.2	100.4	23.8	19.3	80.6	175.7	21.4	74.6	12.3	0.9	7.5	0.7	3.7	0.6	2.3		1.9		35.2	1.9	14.3	1053.5	17465.3	380.4
SMDH 00001	12	13	75	414.5	442.5	426.1	425.5	409.1	17	5.4	95.8	105.9	16.4	11.6	92.5	193.8	23.2	79.3	11.9	1.5	6.9	0.6	2.8		1		1		39.3	0.9	10	979	16231.2	249.1
SMDH 00001	13	14	70	374.3	408	387.6	389.9	369.5	18.1	4.8	89.7	95.9	20.4	13.3	82	175.2	20.8	72.3	10.9	1.3	7		2.8		1.1		0.9		35.5	1.2	15.7	874.2	14493.8	345.5
SMDH 00205	0	1	45	482.5	534.7	513.2	488.4	466.9	46.3	15.6	126.5	119.9	21.5	30.7	99.3	226.3	25.6	87.1	17	1.5	10.1	1.2	6	1.1	2.9		4.4		41.5	3.5	19.9	471.9	7822.7	545
SMDH 00205	1	2	50	438	482.6	461.1	450.6	429.1	32	8.9	114.2	114.3	21.5	23.1	102.5	194.5	24.4	85.1	12.6	1.2	8.8	0.8	4		2.1		2		37.6	1.8	10	1632.2	27059.6	398.9
SMDH 00205	2	3	50	164.7	186.5	170.9	178.4	162.8	8.1	1.9	38.6	40.7	15.6	6.2	38.4	78	9.1	30.3	3.7	0.8	2.5		1.3				0.6		14.2	0.7	11.4	712	11803.7	465.4
SMDH 00205	3	4	60	59.9	75.3	64.6	69.3	58.6	6	1.3	18.1	15.4	10.7	4.7	15.1	26.9	3	11.7		1	0.9		0.7				3.8		11.4	454.5	7535.5	386.1		
SMDH 00205	4	5	40	24.1	39.1	26.8	36.4	24.1	2.7		7.2	5.5	12.3	2.7	6.9	9.8	1	4.5	1.2		0.7						1.1	0.6	8.9	238.1	3946.9	200.5		
SMDH 00205	5	6	45	163.7	183.5	171.1	173.6	161.2	9.9	2.5	40	40.5	12.4	7.4	38.6	76	8.9	30.3	3.5	1	2.9		1.3		0.6		0.6		12.9	0.6	10	528.8	8766.8	255.7
SMDH 00205	6	7	70	253.3	281.4	268.2	260.5	247.3	20.9	6	63.6	61.6	13.2	14.9	57.5	117.2	13.5	45.5	7.4	0.6	5.6		2.6		1.5		1.9		22.9	1.3	10	955.5	15841.6	277.9
SMDH 00205	7	8	75	355.9	400.1	379.4	365.6	344.9	34.5	11	97.4	92.2	20.7	23.5	78.3	160.2	19.3	67.7	10.8	1	7.6	0.8	4.4	0.6	2.5		2.7		32.1	2	14.3	937.9	15548.7	359.3
SMDH 00205	8	9	80	384.1	434.6	411	395	371.4	39.6	12.7	103.9	96.2	23.6	26.9	84.6	175.9	20.4	70	11.1	1.2	8.2	0.9	4.9	0.7	3		3.2		34.1	2.1	18.6	1050.9	17422.6	459.8
SMDH 00205	9	10	80	425.8	476	451.8	438	413.8	38	12	115.8	111.5	24.																					

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00206b	7	8	85	451.5	530.6	478	494.9	442.3	35.7	9.2	138	137.4	52.6	26.5	87.7	195.3	27.2	105.6	17.4	1.3	7.8	1.3	3.3	0.8	1.3		2.5		69.4	2.2	18.6	858.3	14229.3	624.7
SMDH 00206b	8	9	90	357.1	416.9	373	395.9	352	21	5.1	102	108.2	43.9	15.9	74.7	154.2	23.3	81.1	12.3	1.2	5.2	0.9	2.9		0.7		0.6		46.2	1.8	14.3	734.8	12181.9	490.9
SMDH 00206b	9	10	80	417.8	477.5	437.9	449.5	409.9	28	7.9	125	129.8	39.6	20.1	84	176.8	26.1	98.7	17	1.2	6.1	1.2	3.8	0.7	0.7		1.5		55.3	1.9	15.7	773.9	12830.3	370.1
SMDH 00206b	10	11	90	427.9	501.3	453.3	466.1	418.1	35.2	9.8	133.8	133.5	48	25.4	84	180.3	26.3	101.2	18.4	1.2	6.7	1.1	4.9	0.8	1		2		44.9	1.7	15.7	765.7	12693.8	473.2
SMDH 00206b	11	12	90	417.9	496.2	445.7	456.6	406.1	39.6	11.8	128.8	126.3	50.5	27.8	82.9	180.1	26.2	94.6	14.8	0.9	6.6	1.3	4.2	1	1.7		3.6		58.3	1.9	12.9	833.6	13819.8	607
SMDH 00207	0	1	50	395.7	457.9	412.8	433.9	388.8	24	6.9	65.6	63.2	45.1	17.1	61.2	251.3	15.5	44.3	9.6	0.8	6.1	0.6	2.8	0.6	1.6		1.3		41.8	2	15.7	860.7	14269.1	489.5
SMDH 00207	1	2	65	616.3	699.6	645.3	658.9	604.6	40.7	11.7	126.5	122.8	54.3	29	113.6	346.5	27.2	89.1	15.1	1.9	11.2	1.1	5.4	0.7	2.6		1.9		52.9	2.7	18.6	669.6	11101.4	306.1
SMDH 00207	2	3	55	556.7	651.4	596.2	596.5	541.3	54.9	11.4	129.7	112	55.2	39.5	103.4	305.7	23.2	81.5	16.2	1.4	9.9	1.1	6.2	1	3.5		3.6		54.5	3.4	15.7	735.3	12190.5	492
SMDH 00207	3	4	70	954.2	1068	1011.7	986.9	930.6	81.1	23.6	213.8	194.4	56.3	57.5	167.2	533.7	40.1	142.8	27.6	2	17.2	1.6	9.9	1.3	6.1		4.1	0.6	56.1	5.7	27.2	817.5	13552.5	587.5
SMDH 00207	4	5	60	476.4	555.7	507.5	513.8	465.6	41.9	10.8	108.4	97.8	48.2	31.1	84	262.6	21.4	70.9	16.8	0.9	9	0.9	4.6	0.6	2.9		1.8		47.5	3.5	17.2	717	11886.2	523.6
SMDH 00207	5	6	85	557.7	646	593.1	596.2	543.3	49.8	14.4	124.5	112.3	52.9	35.4	98.3	311.4	24.4	80.9	16.5	1.2	10.6	0.9	6.1	0.9	3.2		3.3		54.7	3.4	14.3	833.9	13825.5	551.9
SMDH 00207	6	7	75	691.4	784	722.5	739	677.5	45	13.9	141.3	139.3	61.5	31.1	125.5	385.6	30.8	101.9	19.1	1.7	12.9	1.1	5.5	1	3.5		2.8		71.9	2.9	15.7	1014.7	16822.7	795.1
SMDH 00207	7	8	60	694.2	778.7	728.5	727.2	677	51.5	17.2	144.7	139.3	50.2	34.3	122.3	391.4	30.4	101.6	17.7	1.5	12.1	1.1	6.2	1	4.1	0.7	3.5	0.6	47.9	2.1	14.3	776.5	12872.9	524.1
SMDH 00207	8	9	80	204.9	254.7	213.3	243.5	202.1	11.2	2.8	34.9	34.8	41.4	8.4	37.2	123.9	8.3	25.1	4.5		3.1		1.4		0.7		0.7		18.8	1.4	8.6	728.6	12079.6	328.8
SMDH 00207	9	10	90	201.9	262.2	213.1	247.1	198	15.1	3.9	35.9	32.7	49.1	11.2	33.7	126.8	8	23.2	3.8		2.5		1.5		1.4		1		18.1	1.8	8.6	701.9	11636	424.8
SMDH 00207	10	10.5	40	175	198.2	182.9	187.6	172.3	10.6	2.7	42.9	42.1	15.3	7.9	37.5	83.4	9.1	31.6	5.6	2	3.1		1.4		0.6		0.7		14.6	1.1	18	284	4709	313.7
SMDH 00207b	0	1	45	161.7	227.3	174.7	210	157.4	17.3	4.3	35.6	29.7	52.6	13	30.7	92.7	7.1	20.8	3.6		2.5		1.8		1.1		1.4		24.5	1.8	7.2	512.5	8496.6	833.4
SMDH 00207b	1	2	15	169.5	232.3	177.9	221.1	166.7	11.2	2.8	32.2	31.7	54.4	8.4	29.6	100.6	7.9	22.7	3.8		2.1		1.1		0.7		1		19.9	1.7	10	3287	54494.5	541.5
SMDH 00207b	2	3	45	170.8	238.7	182.7	223.3	167.3	15.4	3.5	37.4	31.8	56	11.9	31	100	6.3	24.1	3.5		2.4		1.4		1		1.1		20	1.3	8.6	646.3	10714.6	359.3
SMDH 00207b	3	4	95	320.1	385.7	330.8	371.8	316.9	13.9	3.2	53.5	53.9	54.9	10.7	63.4	192.6	11.7	40.6	5.5	0.6	2.5		1.6		0.8		0.8		22.3	1.1	18.6	627.8	10407.5	361.5
SMDH 00207b	4	5	87	145.3	207.7	157.7	191.1	141.1	16.6	4.2	32.4	25.9	50	12.4	26.2	84.9	5.9	18.2	3.2		2.7		1.8		1.1		1.3		19.9	1.2	8.6	1121.8	18597.1	373.4
SMDH 00207b	5	6	45	84.9	162.2	104.7	135.7	78.2	26.5	6.7	33.8	17.1	57.5	19.8	16.1	42.9	3.7	10.6	2.3	0.6	2		2.8	0.6	1.6		1.7		16.3	1.8	18.6	2190	36306.9	343
SMDH 00207b	6	7	50	621.7	724.9	657.6	670.9	603.6	54	18.1	137.4	126.3	67.3	35.9	106.8	350.6	26.3	90.2	18.2	1.5	10	1.3	8.5	1.1	3.5	0.6	3.1		10.6	2.8	14.3	646	10708.9	264.1
SMDH 00208	0	1	55	536.2	626.1	575.3	573.6	522.8	52.5	13.4	123.3	105.1	50.8	39.1	93.6	306.1	23.4	75	13.3	2.5	8.9	1.1	5.6	1	3		2.7		52.6	2.4	17.2	584	9682.4	609.6
SMDH 00208	1	2	60	568.4	649.3	609.4	593	553.1	56.3	15.3	131	111.5	39.9	41	100	322.1	24.6	79.3	13.6	3.1	10.4	1.3	6.3	1.3	3.4		3		30.4	2.7	18.6	631	10461.6	246.7
SMDH 00208	2	3	95	660.6	764.8	701.9	709.1	646.2	55.7	14.4	145.4	132.1	62.9	41.3	121.7	371.2	29.2	95.3	16.5	1.2	11.1	1.4	6.2	1.3	3.1		2.4		63.9	3.3	27.2	858.3	14229.3	622
SMDH 00208	3	4	70	753.4	872	800.5	806.5	735	65.5	18.4	172.4	154.8	71.5	47.1	149.6	404.9	30.8	114.8	20.3	1.3	13.3	1.5	7.7	1.3	3.8	0.7	2.8	0.6	81.7	3.5	28.6	880.8	14601.8	695.9
SMDH 00208	4	5	90	590.7	678.2	627.1	627.2	576.1	51	14.6	135.6	124.6	51.1	36.4	104.7	330.7	26.9	90.2	12.9	1.5	9.2	1.3	6.2	1.3	3.4		2.4		44.9	3.1	21.5	779.4	12921.3	591
SMDH 00208	5	6	50	333.8	406.8	361.1	369.2	323.5	37.6	10.3	78.3	64.5	45.7	27.3	61.7	186.8	14.5	44.9	9.4	1	5.2	0.7	4.4	0.9	2.4		1.9		25.7	2	15.7	561.6	9309.9	460.9
SMDH 00208	6	7	70	501	677.3	553.8	609.6	486.1	67.7	14.9	152.8	125.1	123.5	52.8	109.7	234	27.1	89.1	14.7	2	9.5	1.8	7.1	1	2.4	0.6	2		39.9	1.9	21.5	590.9	9796.2	493.4
SMDH 00208	7	8	85	513.8	706.7	575.4	628.4	497.1	78.3	16.7	162.1	125.7	131.3	61.6	109.9	239.8	27.1	90.9	18.3	1.9	9.2	1.8	5.9	1.1	2.7	0.8	3.8	0.6	41.9	2	30	632.9	10492.8	506.6
SMDH 00208	8	8.5	45	436.9	614.2	494.9	538.8	419.5	75.4	17.4	143.4	107.9	119.3	58	91.6	203.1	23.7	75.9	14.1	1.2	9.9	2	6.3	1.3	3.3	0.6	3.9		34	2.4	20	631.2	10464.4	383.8
SMDH 00208b	0	1	45	393.7	541.6	433.6	492.8	384.8	48.8	8.9	116.8	95.2	108	39.9	87.3	185.4	19.5	71.3	13.3	1.2	6.8	1.3	3.1	0.7	1.6		2.2		38.3	2.7	12.9	501.4	8311.8	573.4
SMDH 00208b	1	2	55	490.8	631.9	550	560.3	478.4	71.6	12.4	148.5	113.6	81.9	59.2	107.4	241.6	25.3	82	12.8	1	8.3	1.4	4.9	0.9	2.4		2.8		37.9	3.1	18.6	752.1	12469.1	381.6
SMDH 00208b	2	3	65	650.5	894.8	770.4	743.5	619.1	151.3	31.4	253.8	165.4	124.4	119.9	133.9	299	33.7	115.2	21.8	2.2	13.3	3.5	13	2.6	4.9	0.8	6	0.6	46.8	3.7	25.7	655.7	10871	541.4
SMDH 00208b	3	4	70	506.3	696.2	584.5	595.8	484.1	100.4	22.2	177.3	124.7	111.7	78.2	103.1	238.7	26.9	85.4	17.4	1.3	11.3	2.6	9.8	1.6	3.4	0.6	4.2		41	2.7	21.5	611.8	10143.1	504.4
SMDH 00208b	4	5	65	562.6	730.1	628.3	646.3	544.5	83.8	18.1	178.7	141.6	101.8	65.7	117	264	30.2	100.9	18.8	1.6	12	2.5	8	1.4	3		3.2		50.5	3.1	21.5	713.5	11829.3	453.9
SMDH 00208b	5	6	90	449.6	616.7	508.1	543.6	435	73.1	14.6	148.9	113.5	108.6	58.5	99.6	207.4	24.3	80.6	12.3	1.2	9.6	1.9	6.7	1.1	2.4		2.5		43.9	2.6	15.7	634.6	10521.3	605.6
SMDH 00208b																																		

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00210	2	3	98	581.2	830.3	682.4	709.3	561.4	121	19.8	182.3	98.6	147.9	101.2	243.4	212.1	19	71.9	8.2	1.5	5.3	1.4	6.3	1.7	4.6	0.7	4.4	0.7	20.8	3.3	47.2	568.3	9420.8	688.4
SMDH 00210	3	4	70	409.4	653.7	520.4	519.5	386.2	134.2	23.2	192.7	101.2	133.3	111	83.9	186	20.8	70.6	15.2	1.3	8.4	1.8	8	1.7	4.9	1.1	5	0.7	44.2	4.2	24.3	747.1	12386.7	501.3
SMDH 00210	4	5	48	336.3	576.3	439.9	452.4	316	123.9	20.3	167.5	80.5	136.4	103.6	72.1	152	17.6	53.1	12.5	1	7.7	2.1	7.7	1.6	3.3	0.9	4.1	0.6	30.8	4.2	22.9	586.8	9727.9	471.8
SMDH 00210	5	6	90	164.4	401.7	264.7	277.5	140.5	124.2	23.9	133	39.2	137	100.3	36.5	65.6	8	20.5	5.3	1.5	3.1	1.4	9.3	2.2	4.5	0.9	4.9	0.7	9.2	2.1	24.3	514.4	8527.9	526.8
SMDH 00210	6	7	80	190.8	313	255.6	217.1	159.7	95.9	31.1	91	30.8	57.4	64.8	33.3	94.1	6	15.2	4.9	1.4	4.8	0.9	8.7	2.4	7.2	1.1	8.8	2	24.9	1.7	25.7	692.1	11473.9	552.3
SMDH 00210	7	8	90	568.7	672	601.6	622.3	551.9	49.7	16.8	126.3	117.3	70.4	32.9	100.7	313.6	25.4	84.2	17.2	1.5	9.3	1.2	6.5	1.3	3.8	0.6	3.4		48.4	3.9	20	646.6	10720.3	628.4
SMDH 00210	8	9	95	651.2	745.4	683.3	698.2	636.1	47.2	15.1	137.2	132.2	62.1	32.1	114.5	367.8	28.4	97.4	16.8	1.3	9.9	0.8	5.6	1.1	3.8		3.2	0.6	49.5	2.2	21.5	679.4	11263.4	406.2
SMDH 00210	9	10	95	615.1	717	653.8	659.7	596.5	57.3	18.6	140.8	125.8	63.2	38.7	125.5	329	25	93.5	13.2	1.3	9	0.9	6.4	1.1	3.9	0.6	4.8	0.9	44	2.5	25.7	726.7	12048.3	589.2
SMDH 00210	10	11	80	602.2	682.4	625.6	649.4	592.6	33	9.6	111.4	113.4	56.8	23.4	113.4	345.7	26.9	81.2	15	1.5	8.9	0.9	4.4	0.8	2.1		1.4		47.7	2.2	21.5	690.4	11445.4	518.8
SMDH 00210b	0	1	85	724.9	824.3	757.4	777.7	710.8	46.6	14.1	147.1	144	66.9	32.5	134.3	411.8	30.8	104.5	16.2	1.4	11.8	1.2	7.5	1.3	2.4		1.7		60.2	3.2	12.9	570.1	9452.1	727
SMDH 00210b	1	2	55	1267.7	1356.1	1315.1	1287	1246	69.1	21.7	259.3	265	41	47.4	224.6	712.6	55	198.9	31.7	1.9	21.3	2	9.1	1.6	5.1		3.9		62.7	4.1	20	695.9	11536.4	637.7
SMDH 00210b	2	3	45	512.8	599.1	551.2	546	498.1	53.1	14.7	122.2	104.4	47.9	38.4	93.9	285	22.1	75.8	11.4	1.5	8.4	1.1	5.4	1	3.9		2.7	0.6	63.7	3.3	17.2	659.8	10939.3	541
SMDH 00210b	3	4	85	539.2	622.7	570.2	582.2	529.7	40.5	9.5	111.3	102.2	52.5	31	99.2	309.1	23.3	73.8	14.4	1.4	8.5	0.7	4.4	0.8	2.2		1.4		199.5	3.4	18.6	634.1	10512.7	964.2
SMDH 00210b	4	5	90	512.7	593.5	544.1	556.3	506.9	37.2	5.8	105	95.1	49.4	31.4	95.8	298.4	23.1	67.9	12.3	1.6	7.8	0.8	3.3		1.1		0.6		54.8	3.9	15.7	509.1	8439.8	596.2
SMDH 00210b	5	6	80	657.5	750.4	695.5	700.2	645.3	50.2	12.2	139.1	126.7	54.9	38	120.2	379	27.3	93.8	13.7	1.7	9.6	1.2	4.4	0.8	2.7		3.1		79.5	4.1	21.5	747.1	12386.7	860.3
SMDH 00210b	6	7	50	553.8	641.1	586.7	597.1	542.7	44	11.1	116.8	105.7	54.4	32.9	98	319.6	23.4	76.7	13.9	1.6	9.5	0.8	4.8	0.7	2.6		2.2		65.3	3.1	18.6	718.2	11906.1	646.1
SMDH 00210b	7	8	95	755.2	849.7	804	779.5	733.8	70.2	21.4	167.2	149	45.7	48.8	135.7	425.1	32.5	108.2	18.1	1.9	12.3	1.3	7	1.6	5.3	0.6	4.8	0.8	66.7	3.4	22.9	851.8	14121.2	776.8
SMDH 00210b	8	9	95	675.1	764.9	715.7	705.3	656.1	59.6	19	146	132.2	49.2	40.6	120.4	380.3	28.5	95.2	18.4	1.7	11.6	1.3	7.2	1.3	4.3	0.7	3.5	0.7	73.3	4.8	22.9	942.5	15625.5	826
SMDH 00210b	9	10	80	1112.3	1223.7	1141.5	1181.7	1099.5	42	12.8	261.1	281.2	82.2	29.2	298.7	482.6	52.8	221.8	28.8	3.5	11.3	1.2	5.4	1.1	2.1		3.1		37.2	2.4	58.7	747	12383.8	418.3
SMDH 00210b	10	11	90	464.8	578.2	485.1	549.8	456.7	28.4	8.1	111.6	114.9	93.1	20.3	122.3	200.5	24.9	84.6	15	1.3	8.1	0.8	4.6	0.6	1.3		0.8		38.7	2.2	21.5	827.6	13720.3	526.7
SMDH 00210b	11	12	95	473.9	625.7	499.6	589.9	463.8	35.8	10.1	127.8	125.9	126.1	25.7	119.5	199.1	25	95.5	15.2	1.2	8.3	0.9	4.5	0.8	1.6		2.3		50.2	3.3	22.9	806.3	13367.7	619.5
SMDH 00210b	12	13	95	518.3	672	546.2	634.1	508.3	37.9	10	130.5	128	125.8	27.9	140.9	221.6	27.1	95.1	13.5	1.7	8.4	0.9	4.9	0.8	1.5		1.9		48	3.5	30	702.1	11647.3	495.3
SMDH 00210b	13	14	95	418.8	555.8	450.4	511.7	406.3	44.1	12.5	115.3	105.1	105.4	31.6	107.9	177.5	22.7	75.3	13.2	1.3	8.4	1.1	6	1	2.1		2.3		41.2	3.4	21.5	691.6	11456.8	526.4
SMDH 00211	0	1	20	609.2	686.6	659	617.4	589.8	69.2	19.4	168	148	27.6	49.8	128.2	291.9	31.2	107.3	18.4	1.4	11.4	1.5	8	1.6	3.5	0.6	3.6	0.6	56.2	4	21.5	404.4	6705.2	531.5
SMDH 00211	1	2	50	333.2	486.4	371.8	434.4	319.8	52	13.4	100	76.8	114.6	38.6	89.8	143.1	16.6	53.9	8.9	1.2	6.3	0.8	5.5	1.4	2.4		3.3		80.9	3.5	28.6	643.4	10666.3	408.2
SMDH 00211	2	3	70	397.8	569	457.2	488.3	376.5	80.7	21.3	139.5	97.8	111.8	59.4	105	164.5	19.2	69.1	9.9	1.5	7.3	1.2	8.3	1.9	3.8	0.6	4.8	0.7	50.1	2.6	25.7	768.4	12739.3	395
SMDH 00211	3	4	50	176.6	329.7	212.2	281.3	163.8	48.4	12.8	65	36.5	117.5	35.6	53.5	69.3	8.6	22.6	5.3	1.5	3	0.6	4.7	1.1	2.6		3.8		15.4	1.5	22.9	707.5	11729.8	434.4
SMDH 00211	4	5	90	187.8	325.6	225.6	276.2	176.2	49.4	11.6	64.2	31.6	100	37.8	48.1	94.5	6.4	20.2	3	1.2	2.8		5	1.3	2.6		2.7		9.9	1.8	8.6	594.5	9855.9	312.4
SMDH 00211	5	6	90	586	742.3	632.5	677.8	568	64.5	18	139.8	109.2	109.8	46.5	139.3	312.6	18.1	83.4	8	2.2	4.4	0.7	7	1.6	3.7	0.6	4.4		8.1	1.9	15.7	582.7	9659.7	294.9
SMDH 00211	6	7	95	141.7	336.7	193	265.5	121.8	71.2	19.9	73	24.3	143.7	51.3	33.1	65.6	4.1	12.9	2.9	1.5	1.7	0.6	6.7	1.7	4.2	0.7	6		6.4	2	10	540.8	8965.8	423.1
SMDH 00211	7	8	85	118.1	283.3	171.8	208.8	97.3	74.5	20.8	72.5	21.3	111.5	53.7	26.2	51.1	3.7	10.8	2	1.2	2.3	0.6	6.2	1.8	4.6	1	6	0.6	11.4	1.8	7.2	582.7	9659.7	478.6
SMDH 00211	8	9	95	311.4	467.9	340	429.7	301.8	38.2	9.6	75.8	57.9	127.9	28.6	73.8	163.1	11.7	42	6.4	1	3.8	0.6	3.6	1	1.8		2.6		64.5	1.9	8.6	624.7	10356.3	503
SMDH 00211	9	10	95	372.7	517.2	398.5	481.6	362.9	35.6	9.8	80.2	68.3	118.7	25.8	90.2	196.2	14.6	49	7.5	0.7	4.7	0.6	4.1	0.9	1.7		2.5		78.5	2.1	8.6	755.2	12520.3	421.4
SMDH 00211	10	11	80	226.6	352	244.3	329.6	221.9	22.4	4.7	50.7	40.1	107.7	17.7	54.7	119.3	8.3	29.5	5.7	1.2	3.2		2.3		0.9		1.5		48.8	1.7	5.7	596.2	9884.3	405.9
SMDH 00211b	0	1	75	343	459.4	367.8	425	333.4	34.4	9.6	81.6	68.2	91.6	24.8	81.4	174.7	12.2	51.2	8	0.8	5.1	0.7	4.1	0.8	1.7		2.3		51.8	2.1	10	838.1	13893.8	437.9
SMDH 00211b	1	2	50	479.2	621.7	500.8	588	467.1	33.7	12.1	97.7	94.4	120.9	21.6	110.9	250.5	19.3	69.1	9.4	1	6.9	0.8	5.2	1.1	2.3		2.7		71.6	1.8	10	680.6	11283.3	436
SMDH 00211b	2	3	70	310.7	470.6	325	447.9	302.3	22.7	8.4	67.4	64.5	145.6	14.3	75.5	153.2	12.4	47.7	7.9	1	4.6	0.6	3.8	0.8	1.3		1.9		70.5	1.3	7.2	622.1	10313.7	481.2
SMDH 00211b	3	4	75	364.6	490.4	376.7	473	359.3	17.4	5.3	70.6	72.8	113.7	12.1	89.4	185	15.1	54.9	8.5	0.8	5													

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00213	2	3	40	45.5	110.9	52.9	102.5	44.5	8.4	1	14.7	10.6	58	7.4	10.3	20.8	3.3	6.3	3.2		0.6		1						41.1		12.9	505.3	8377.2	400.8
SMDH 00213	3	4	45	98.5	153.2	109.3	140	96.1	13.2	2.4	23.6	19.1	43.9	10.8	28.3	43	6.3	11.9	4.6		2		0.9		0.9			0.6	33	0.9	12.9	443.2	7347.8	301.1
SMDH 00213	4	5	40	116.4	253.9	128.6	236.2	110.9	17.7	5.5	34.1	28.9	125.3	12.2	24.2	48.6	7.7	18.5	6.5	0.7	4.7	0.6	2.1		1.4	1.4	0.8	0.6	38.7	1.2	12.9	408.2	6767.7	441.3
SMDH 00213	5	6	70	142.7	274.4	154.3	259.2	139.1	15.2	3.6	39.4	37	120.1	11.6	33.7	60.3	9.2	26.4	6		3.5		1.4		0.7	0.7	0.8	43.1	1.3	12.9	440	7293.8	456.7	
SMDH 00213	6	7	75	128.4	236.3	136.4	223.5	123.6	12.8	4.8	36.7	37	99.9	8	18.1	58.7	8.3	26.9	7.5		4.1		1.8		0.9	1.3	0.8	43.5	1.4	10	658.5	10916.5	435.5	
SMDH 00213	7	8	60	180.2	312.3	201.3	283	172	29.3	8.2	56.8	46.1	111	21.1	39.2	77.4	10.4	31.3	10.4		3.3	0.6	3.8	0.6	1.6	0.8	0.8	42.6	1.8	11.4	564.3	9355.4	482.1	
SMDH 00213	8	9	40	159.5	277.7	170.9	262.3	155.5	15.4	4	43.4	41.5	106.8	11.4	35.8	68.3	9.5	30.3	8		3.6		1.7		0.9	0.6	0.8	42	1.3	12.9	548.4	9090.9	340.1	
SMDH 00213	9	10	70	111.5	286.9	118.2	277.5	108.8	9.4	2.7	32.3	32.4	168.7	6.7	25.2	45.5	7.4	23.7	3.9	0.6	2.5		1.3			0.6	0.8	47	1.1	11.4	567.6	9409.4	560.2	
SMDH 00213b	0	1	50	562.3	652	613.7	578.6	540.3	73.4	22	164.5	139.8	38.3	51.4	113.2	267.4	28.3	101.2	17.2	1.6	11.4	1.5	8.8	1.9	3.9	0.8	4.4	0.7	51.8	4.7	28.3	463.3	7680.5	572.6
SMDH 00213b	1	2	45	101.5	225.9	109.8	214.8	98.7	11.1	2.8	30.5	27.3	116.1	8.3	22.5	36.7	5.7	20.2	9.9	0.6	3.1		1.4		0.8		0.6	44.6	0.8	12.9	591.4	9804.7	417.7	
SMDH 00213b	2	3	80	7.3	132.6	9.3	130	6.7	2.6	0.6	2	1	123.3	2	2.5	3.2	1											0.6	52.8		5.7	479.9	7956.4	539.2
SMDH 00213b	3	4	40	625.9	748.7	691.8	655.1	598.2	93.6	27.7	164.6	123.7	56.9	65.9	107.8	347.5	26.6	85.6	16.8	1.6	12.3	1.5	10	2.1	7	0.7	5.6	0.8	43.1	4.1	30	723.5	11994.2	462.2
SMDH 00213b	4	5	35	645.4	773	703.4	693.4	623.8	79.6	21.6	165	132.9	69.6	58	116.3	357.6	28	93.9	14	2.1	11.9	1.6	9.4	1.6	5.3	0.7	3	53.6	4.4	31.5	745.4	12358.2	519.1	
SMDH 00213b	5	6	50	1139.6	1269.1	1219.7	1152.8	1103.4	116.3	36.2	268.8	237.9	49.4	80.1	198	638.4	53	165	28.6	3.8	16.6	2.9	17	3	6.2	1.1	4.9	1.1	50.5	4.5	34.3	755	12517.5	436.2
SMDH 00213b	6	7	65	554.3	680.6	614.2	599.9	533.5	80.7	20.8	148.6	110.8	66.4	59.9	99.3	307.7	23.8	77.7	13.8	1.7	9.5	1.2	8.1	1.5	4.6	0.6	4	0.8	52.9	6.1	25.7	730.9	12116.5	523.4
SMDH 00213b	7	8	55	650.4	765.9	697.5	701.5	633.1	64.4	17.3	149.3	127.3	68.4	47.1	113.8	373.2	27.3	90.7	15	2.2	10.9	1.5	7.8	1.3	4		2.7	55.4	4.5	25.7	1038.6	17217.9	677.4	
SMDH 00213b	8	9	55	1201.1	1311.6	1254.1	1234	1176.5	77.6	24.6	346	374.9	57.5	53	443.3	315	86.5	276	33.9	4.6	17.2	2.2	10.2	1.9	6.1	0.6	3.6	45.6	3.8	93	843.2	13979.1	563.1	
SMDH 00213b	9	10	55	515.9	690.7	564.9	621	495.2	69.7	20.7	157.9	134.1	125.8	49	120.7	222.6	26.9	97	15.7	1.7	10.6	1.5	8.7	1.6	3.3	0.7	4.9	42.2	3.4	21.5	586.6	9725.1	350.3	
SMDH 00213b	10	11	20	455.9	521.2	496.7	464.3	439.8	56.9	16.1	137	118	24.5	40.8	93.4	211.3	23.7	86.4	14.5	1.9	8.6	1.2	6.7	1.6	2.9		3.1	0.6	38.3	3.1	24	387.3	6420.8	540
SMDH 00213b	11	12	60	343.9	533.7	380.2	482.8	329.3	50.9	14.6	101.4	81.4	153.5	36.3	80.5	153.3	17.9	56.9	10.9	1.6	8.2	0.9	5.7	1.4	2.6	0.6	3.4	41	2.2	14.3	617.5	10236.9	548.4	
SMDH 00213b	12	13	75	494.9	716.6	546.2	645.9	475.5	70.7	19.4	152.8	125.6	170.4	51.3	116.7	216.1	26	89.5	15.5	1.9	9.8	1.4	8.7	1.6	2.7	0.6	4.4	58.3	3.3	20	992.6	16455.8	377.4	
SMDH 00214	0	1	40	584.4	748.8	635.6	677.1	563.9	71.7	20.5	167.3	144.8	113.2	51.2	136.9	259.2	30.2	104.5	19.7	1.5	11.9	1.3	8.8	1.5	3.7	0.6	4	0.6	53.6	3.9	21.5	575.8	9545.9	400.6
SMDH 00214	1	2	45	412.8	574.7	448.6	524.8	398.7	49.9	14.1	117.2	101.1	126.1	35.8	99.7	181.1	20.9	73.2	13.7	1.2	8.9	1.1	5.9	1.4	2.3		3.4	53	2.9	17.2	759.5	12591.4	402	
SMDH 00214	2	3	50	463.7	649	505.9	589.7	446.6	59.3	17.1	137.2	117.4	143.1	42.2	110.2	201.9	24	85.3	14.8	1.6	8.8	1.2	6.9	1.5	2.7		4.8	52.5	3.7	17.2	640.6	10620.8	337.7	
SMDH 00214	3	4	70	436.6	627.8	483.3	562.1	417.6	65.7	19	129.8	104.2	144.5	46.7	106.3	192	22.5	73.6	14.3	1.4	7.5	1.3	6.8	1.5	4	0.7	4.7	43.6	2.8	18.6	660.7	10953.5	342.2	
SMDH 00214	4	5	45	404.4	622.9	456.8	549.6	383.5	73.3	20.9	137.2	103.7	166.1	52.4	93.9	173	20.3	74.2	11.9	1.4	8.8	1.2	8	1.8	3.7	0.7	5.5	52.7	3.3	17.2	691.6	11465.3	360.3	
SMDH 00214	5	6	60	340.5	528.9	374.3	483.2	328.6	45.7	11.9	99.9	83.3	154.6	33.8	88.3	145.8	18.1	59.5	9.5	0.9	6.5	0.7	5	0.9	2.1		3.2	59.7	2.2	35.8	742.3	12307	458.1	
SMDH 00214	6	7	60	308.6	485.6	345.7	434.1	294.2	51.5	14.4	99.5	77	139.9	37.1	80.7	125.9	15.5	55.6	10.2	0.9	5.4	0.6	5.3	1.1	3.1		4.3	53.5	2.5	31.5	643.9	10674.8	365.4	
SMDH 00214	7	8	75	318.7	491.5	357.6	439	305.1	52.5	13.6	105.5	81.8	133.9	38.9	82.1	130.2	16.2	59.3	10.1	1	6.2	0.8	5.5	1.1	2.6		3.6	47.2	2.9	41.5	628.8	10424.6	380.4	
SMDH 00214b	0	1	50	316.4	507.5	356.9	456.4	305.8	51.1	10.6	105.2	78.4	150.6	40.5	82.7	132.8	14.6	59.1	9.7	0.9	6	0.6	4.1	1	1.9		3	37.7	5	28.6	480.3	7962	470.8	
SMDH 00214b	1	2	45	571.8	753.7	611.2	700.8	558.3	52.9	13.5	154.8	142.3	142.5	39.4	151.5	240.5	28.3	107	20.1	1.4	9.5	0.9	6.1	1.1	2.3		3.1	79.2	4.7	40.1	707.5	11729.8	552.2	
SMDH 00214b	2	3	45	603.4	793.1	640	742	588.9	51.1	14.5	161.9	154.8	153.1	36.6	156.6	253.3	30.8	115.9	19.7	1.3	11.3	1.2	6.9	1.3	2.6		2.5	102.4	4.5	30	669.6	11101.4	435.6	
SMDH 00214b	3	4	60	394.5	540.1	438.7	476.9	375.5	63.2	19	125	99	101.4	44.2	102.6	162.9	19.2	70.7	11.7	1	7.4	1.2	7.9	1.4	3.5	0.6	4.4	38.7	3.2	47.2	465.2	7711.8	305.3	
SMDH 00214b	4	5	85	333.6	510.8	378.3	449.3	316.8	61.5	16.8	112.1	83.4	132.5	44.7	85.8	137.8	16.9	59.1	9.2	0.9	7.1	0.9	6.5	1.5	3.2	0.6	4.1	53.7	2.8	42.9	821.2	13615.1	381.6	
SMDH 00214b	5	6	70	450.1	650.4	514	560.6	424.2	89.8	25.9	154.2	111.1	136.4	63.9	102.3	195.7	22.8	77.8	15	2	8.6	1.3	9.2	1.9	4.7	0.9	7.3	0.6	50.3	3.5	58.7	930.5	15426.5	390.9
SMDH 00214b	6	7	90	361.4	552.8	434.2	452.8	334.2	100	27.2	149.3	93.2	118.6	72.8	78	153.2	17.9	63.8	13.2	1.2	6.9	1.3	10.2	2.1	5.1	1	6.7	0.8	44.4	3.3	48.6	864.1	14326	317.8
SMDH 00214b	7	8	98	334.8	491.5	383.4	423.2	315.1	68.3	19.7	113.5	81.8	108.1	48.6	76.5	145.4	17.5	57	11.5	0.6	6.6	0.8	6.5	1.6	3.7	0.8	5.7	0.6	41.8	2.6	41.5	784.7	13009.4	379.8
SMDH 00215	0	1	40	347.4	490.5	365.2	466.3	341	24.2	6.4	82.3	80.8	125.3	17.8	87.8	159.6	17.9	60.1	8.7	1.6	5.3		2.8	0.7	1.3		1.6	39.6	1.7	52.9	576.8	9563	334.3	
SMDH 00215	1	2	45	553.1	662.2	572.5	635.2	545.5	27	7.6	131.9																							

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm	
SMDH 00216b	4	5	50	207.9	279.2	220.3	263.1	204.2	16.1	3.7	60.6	61.8	58.9	12.4	34.2	96.9	14.4	45.3	9	0.8	3.6			2.1		0.9		0.7		24.5	2.5	11.4	541.8	8982.9	894.4
SMDH 00216b	5	6	85	241.9	302.1	254.2	286	238.1	16.1	3.8	66.6	68.9	47.9	12.3	40.8	116.7	15.5	51.4	9.3	0.9	3.5			2		1		0.8		29.6	2.1	8.6	557.3	9238.8	805.8
SMDH 00216b	7	8	65	264.2	342.6	291.8	303.8	253	38.8	11.2	79.9	65	50.8	27.6	45.3	133.2	13.9	45.4	8.1	1.2	5.9	0.8	4.9	0.8	2.3		2.4		21.1	2.6	14.3	842	13959.2	845.2	
SMDH 00216b	8	9	90	339.2	432.9	370.6	388.7	326.4	44.2	12.8	84.2	65.3	62.3	31.4	62.5	187.9	13.7	45.3	8.2	1.2	7.6	0.8	5.5	0.9	3		2.6		25	2.6	18.6	616.4	10219.8	1169.5	
SMDH 00216b	9	10	70	341.4	422.7	365.5	387.9	330.7	34.8	10.7	81.6	70.3	57.2	24.1	65.1	183.2	14.3	50.6	9	1.5	7	0.8	4.6	0.8	2.2		2.3		26.3	2.7	18.6	954.2	15818.9	1122.8	
SMDH 00216b	10	11	90	263.9	357.9	295.8	312.1	250	45.8	13.9	78.6	56.6	62.1	31.9	45.5	137.7	11.2	39.1	8.2	1.3	7	0.8	5.5	0.9	3.3		3.4		18.4	2.1	21.5	874.1	14490.9	772.9	
SMDH 00216b	11	12	85	250.9	319.9	278.5	281.1	239.7	38.8	11.2	80.9	65.2	41.4	27.6	54.1	109.9	13.5	45.5	8.3	1.6	6.8	0.9	5.3	0.9	2.2		1.9		18.5	1.5	21.5	594.8	9861.6	792.8	
SMDH 00216b	12	13	95	293.7	393.1	334.8	333.5	275.2	59.6	18.5	103.1	74.9	58.3	41.1	62.7	125.7	14.6	51.3	10.2	1.7	9	1.2	7.8	1.4	3.3	0.6	3.5	0.7	20.8	2.2	25.7	845.4	14016	637	
SMDH 00216b	13	14	85	292.6	351.4	322.3	310.1	281	41.3	11.6	86.9	71	29.1	29.7	64.6	132.7	15.2	50.2	10.3	1.4	6.6	0.9	4.7		1	2.4		24	2.7	20	638.6	10586.7	715.7		
SMDH 00216b	14	14.5	80	321.5	352.7	337.4	329	313.7	23.7	7.8	78.2	78.5	15.3	15.9	72.5	147.2	17.6	56	11.6	1.4	7.4	0.9	4	0.6	1.3		1		27.2	2.5	22.9	723.8	11999.9	399	
SMDH 00217	0	1	25	292.2	331.9	310.4	305.8	284.3	26.1	7.9	78.2	73	21.5	18.2	62.6	136.5	14.7	54	9.3	1.7	5.5	0.7	3.6	0.7	1.5		1.4		20.5	2.4	22.6	452.8	7507.1	415.1	
SMDH 00217	1	2	30	775.5	818.1	792	794	767.9	24.1	7.6	140.5	160.1	26.1	16.5	205	378.1	38.9	116.6	16.6	2.8	9.9	0.9	3.7	0.6	1.4		1		31.3	2.2	48.6	841.8	13956.3	490.3	
SMDH 00217	2	3	20	381.6	443.8	413.1	400.1	369.4	43.7	12.2	104.3	90.8	30.7	31.5	81.4	182	19.6	64.5	12.5	1.6	7.8	1.1	5.6	1.1	2.1		2.3		32.1	4.4	28.8	479.9	7956.4	398.8	
SMDH 00217	3	4	50	297.2	360.7	331.6	314.6	285.5	46.1	11.7	91.6	71.1	29.1	34.4	67.6	135.7	15.1	50.2	9.5	1.2	6.2	0.8	5		1	2.6		24	2.9	18.6	408.9	6779.1	449.4		
SMDH 00217	4	5	30	331.1	374.1	349.6	347.4	322.9	26.7	8.2	80.7	78.1	24.5	18.5	75.3	155.4	17.3	56	10.4	1.4	7.1	0.8	4	0.7	1.4		1.3		27.7	2.8	21.5	614.4	10185.7	459.5	
SMDH 00217	5	6	65	378.8	411.1	394.2	388.6	371.7	22.5	7.1	86.7	91	16.9	15.4	85.5	179.1	21.1	65.3	11.8	1.4	7.5	0.9	3.7	0.6	1.1		0.8		33.2	3.1	21.5	680.1	11274.8	322.2	
SMDH 00217	6	7	70	265.9	304	279.5	284.3	259.8	19.7	6.1	66.9	65.6	24.5	13.6	61.1	121.6	13.8	47.8	9.2	1.5	4.8	0.6	3.4		1.1		1		19.3	1.9	24.3	649.9	10774.3	427.5	
SMDH 00217	7	8	50	249.2	299	271.4	267.4	239.8	31.6	9.4	72.1	61.9	27.6	22.2	57.1	112.5	13.3	43.2	7.3	1.3	5.1	0.7	4.7	0.7	1.6		1.7		20	2	20	513.4	8510.9	392.5	
SMDH 00217	8	8.5	80	203.2	241.8	220.3	217.9	196.4	23.9	6.8	56.4	49	21.5	17.1	45.3	94.3	11	33.8	6.6	1.3	4.1	0.6	3.6		1.3		1.3		16.6	2	17.2	407	6747.8	391.3	
SMDH 00217b	0	1	40	440.1	483.6	462.1	451.5	430	32.1	10.1	107.1	106.8	21.5	22	98.7	207.1	23.9	77	13.1	2.2	8	0.9	5	0.8	1.7		1.7		37.1	2.9	11.4	554.7	9196.2	413.6	
SMDH 00217b	1	2	50	298.8	322.7	310.4	305.8	293.5	16.9	5.3	70.4	73.5	12.3	11.6	66.6	140.8	16.2	53.7	9.7	1.5	5	0.6	3		0.8		0.9		25.3	1.4	8.6	388.2	6435	261.4	
SMDH 00217b	2	3	75	269	294.5	285.3	270.9	261.7	23.6	7.3	69.5	65.6	9.2	16.3	59.5	123.8	14.4	46.7	9.5	2	5.8	0.7	3.8	0.6	1.1		1.1		21.3	1.1	7.2	167.7	2781	134.5	
SMDH 00217b	3	4	25	191.7	219.6	204.3	203.3	188	16.3	3.7	51.7	47.5	15.3	12.6	40.3	91.3	10	34.5	6.4	1.6	3.9	0.6	2.4		0.7		0.7		23.3	3.3	9.4	134.3	2226.5	160.6	
SMDH 00217b	4	5	35	156.7	182.1	171.4	162.4	151.7	19.7	5	45.5	37	10.7	14.7	35.9	70	8.5	25.7	6	2.3	3.3		2.8		1.1		1.1		37.8	1.4	10	359.3	5957.3	170.1	
SMDH 00217b	5	6	50	392.8	418.1	407.4	396.8	386.1	21.3	6.7	91.1	95.5	10.7	14.6	88.9	183.6	21.5	68.8	13.1	2.5	7.7	0.8	4.4		0.9		0.6		32.9	1.5	7.2	242.9	4026.5	138.3	
SMDH 00217b	6	7	70	539.8	586.3	567.9	545.9	527.5	40.4	12.3	138	136.5	18.4	28.1	114.1	250.8	29	99.1	19.5	2.4	12.6	1.4	7		1	1.8		53.5	5.8	22.9	654.9	10856.8	100.2		
SMDH 00217b	7	7.5	65	294.3	352.1	323	311.5	282.4	40.6	11.9	87.7	72.1	29.1	28.7	62.4	133.5	15.1	50.2	11.4	2	7.8	1.1	5.7	1	1.9		2.2		22.9	1.5	28.6	1116.6	18511.7	83.9	
SMDH 00218	0	1	30	482.6	546.9	520.8	491.6	465.5	55.3	17.1	131.8	116.9	26.1	38.2	107.3	223.6	24.8	84	14.4	1.5	9.9	1.3	6.8	1.3	3.1	0.6	3.4	0.6	43.7	3.8	15.7	447.7	7421.8	422.4	
SMDH 00218	1	2	25	481.6	654.5	608.5	475.9	429.9	178.6	51.7	235.1	129.1	46	126.9	92.5	192.6	23.1	84	19.1	2.2	16.4	2.7	19.3	4.1	10.5	1.8	11.7	1.6	30.7	3.9	21.5	725.5	12028.4	379.2	
SMDH 00218	2	3	60	413.4	556.4	511.9	417	372.5	139.4	40.9	187.6	107.9	44.5	98.5	82.6	169.9	20.1	71.2	15.2	1.3	12.2	2	14.6	3.2	8.1	1.4	10.1	1.5	29	4.7	24.3	753.8	12497.6	358.2	
SMDH 00218	3	4	50	866	966.4	934.2	868.9	836.7	97.5	29.3	215.7	186.2	32.2	68.2	222	404.5	41.2	131.8	21.3	2.5	13.4	1.8	11.4	2.2	5.1	1	6.8	1	46	6.8	52.9	757.8	12563	351.5	
SMDH 00218	4	5	50	414	488.2	460.6	422.5	394.9	65.7	19.1	126.7	99.5	27.6	46.6	92.8	186.8	20.7	70	13.3	1.3	10	1.2	7.6	1.5	3.7	0.6	3.9	0.6	33.1	3.8	18.6	533.9	8852.1	279.2	
SMDH 00218	5	6	90	303.6	353.9	335.5	308.8	290.4	45.1	13.2	94.6	77.5	18.4	31.9	66.7	133.9	15.8	54.8	10.8	1	7.4	0.9	6		1	2.7		24.9	2.1	15.7	368.3	6105.2	215.5		
SMDH 00218	6	7	90	446.9	513.4	488.9	452.9	428.4	60.5	18.5	127.6	106.7	24.5	42	96.8	208.6	22.5	75.9	13.7	1.4	9.5	1.3	7	1.5	3.2	0.6	4.3	0.6	39.3	5.1	23.7	554.5	9193.3	378	
SMDH 00218	7	8	50	558.2	586.4	575.7	560	549.3	26.4	8.9	123.2	132.2	10.7	17.5	130.2	261.9	28.9	96.8	18.4	2.4	10.7	1.3	5.2	0.6	1.1		0.7		55.6	2.7	11.4	284	4709	147.5	
SMDH 00218	8	9	60	509	540.6	528.3	512.4	500.1	28.2	8.9	120.8	127.2	12.3	19.3	118.3	231.4	27.8	93.3	16.6	2.1	10.6	1.2	4.9	0.8	1.3		0.7		48.2	2.7	17.2	356.8	5914.7	216	
SMDH 00218	9	10	90	484.7	558.7	526.5	499	466.8	59.7	17.9	138.7	120.8	32.2	41.8	108.1	217.8	25.3	86.3	16.6	1.4	11.3	1.4	7.8	1.4	3.3	0.6	3.4		44.5	3.7	21.5	603.8	10009.4	354.2	
SMDH 00218	10	11	80	162.7	263.6	196.1	216.5	149	47.1	13.7	72	45.1	67.5	33.4	31.2	66.8	7.9	30.3	6.4	1.4	5	0.9	6	1.1	2.9		2.8		9.7	1.9	12.9	1033.8	17138.3	183.8	
SMDH 00218	11	12	80	445.5	520.4	48																													

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00220	0	1	70	341.2	444.8	389.6	373.3	318.1	71.5	23.1	117.3	84.3	55.2	48.4	74.1	146.3	17.4	58.3	11.2	2	8.8	1.3	7.3	1.8	4.8	0.9	5.9	1.1	22.1	1.5	25.7	2064.3	34222.6	493.4
SMDH 00220	1	2	45	108.3	218	145.9	165.9	93.8	52.1	14.5	68.6	33.3	72.1	37.6	15	38.8	5.1	21.1	5.8	2.8	5.2	0.9	6.2	1.4	3			2.8	2.5	13.6	1124.3	18639.7	331.5	
SMDH 00220	2	3	90	96.9	242.8	133.9	192	83.1	50.8	13.8	64.3	30.1	108.9	37	13.5	33.8	4.5	18.9	5.6	1.7	5.1	0.8	5.9	1.4	2.9		2.8		2.5	2.7	11.7	1096.9	18184.7	402.3
SMDH 00220b	0	1	50	521.4	593.7	561.5	534.8	502.6	58.9	18.8	137.1	122.1	32.2	40.1	121.5	241.6	26.6	87.5	14.6	1.5	9.3	1.3	6.7	1.5	3.7	0.6	4.4	0.6	46.2	2.7	18.6	1163.9	19296.6	689.9
SMDH 00220b	1	2	55	345.4	388.5	368.6	355	335.1	33.5	10.3	88.8	82.4	19.9	23.2	81.3	158.7	18	59.5	10.1	1.2	6.3	0.7	4.2	0.9	1.9		2.6		30.6	2.1	21.5	784	12998	506.4
SMDH 00220b	2	3	70	435.7	496.8	472.3	444.8	420.3	52	15.4	125.1	110	24.5	36.6	98.5	195.2	23	79.3	14.3	1.5	8.5	1.2	6.5	1.1	3.3		3.3		39.1	3.7	25.7	759.7	12594.2	517.4
SMDH 00220b	3	4	85	439.9	487.8	466.3	450.3	428.8	37.5	11.1	108	103	21.5	26.4	100.6	207.7	23	73.5	13.5	1.6	8.9	1.2	5.3	0.9	1.9		1.8		39.4	3.4	24.3	740.5	12275.8	520.7
SMDH 00220b	4	5	85	427.4	507.3	479.7	432.2	404.6	75.1	22.8	135.3	102.8	27.6	52.3	93	192.6	21.4	72.3	13.9	1.6	9.8	1.3	7.8	1.8	4.8	0.8	5.7	0.6	36.2	3.4	24.3	819.5	13586.7	472.4
SMDH 00220b	5	6	70	496.5	578.1	544.4	508.2	474.5	69.9	22	146.4	122.2	33.7	47.9	109.4	224.7	25.7	86.3	16.1	2	10.3	1.6	8.6	1.8	4.1	0.6	4.7	0.6	45.7	4.1	30	729.7	12096.6	686.3
SMDH 00220b	6	7	75	350.8	412.1	384.5	362.6	335	49.5	15.8	102.4	85.3	27.6	33.7	78	158.6	18	61.8	11.1	1.4	6.1	0.8	4.7	1.3	3.4	0.6	4.4	0.6	31.2	2.1	24.3	815.4	13518.4	522.6
SMDH 00220b	7	8	75	441.6	501.8	477.3	450.3	425.8	51.5	15.8	119.4	104.5	24.5	35.7	99.9	203.8	22.5	74.6	14.3	1.7	9	1.1	6.3	1	3.2	0.6	3.6		39	2.2	21.5	747.3	12389.5	490.2
SMDH 00220b	8	9	70	448.3	516.7	484.5	463.9	431.7	52.8	16.6	121	105.2	32.2	36.2	104	207.5	22.5	74.6	12.6	2.1	8.4	1.2	6.9	1.3	2.6	0.6	3.4	0.6	37.1	2.2	67.2	856.2	14195.2	437
SMDH 00221	0	1	35	577	624.5	607.6	580.1	563.2	44.4	13.8	145.2	143.1	16.9	30.6	132.1	267.3	30.1	105	16	1.6	11.1	1.2	6.8	1.1	2.2		2.5		57.4	3.1	15.7	486.8	8070.1	809.4
SMDH 00221	1	2	50	638	703.3	675.7	648.6	621	54.7	17	171.4	165.2	27.6	37.7	140.6	289.2	33.6	122.5	20.4	2.1	12.6	1.5	7.6	1.3	3	0.6	3		61.3	3.7	22.9	825.9	13691.9	998.2
SMDH 00221	2	3	90	222.1	299.8	246.1	265.5	211.8	34.3	10.3	70.8	55.3	53.7	24	49.7	97.3	10.8	38.5	7.3	2.3	5.9	0.8	5.2	0.8	1.5		2		10.2	1.1	54.4	1613.2	26743.9	1097.5
SMDH 00221	3	4	90	319	401.7	337.3	375.9	311.5	25.8	7.5	77.1	70.9	64.4	18.3	79.9	149.3	15	51.3	7.8	2.9	5.3	0.7	3.9	0.6	1		1.3		14.1	0.7	61.5	2109.5	34973.3	732
SMDH 00221	4	5	90	207	282	228.3	251.9	198.2	30.1	8.8	63.1	49.3	53.7	21.3	52.5	89.1	10	33.8	5.5	2.5	4.8	0.8	4.7	0.7	1.3		1.3		6.4	0.6	60.1	1836.7	30449.1	950.8
SMDH 00221	5	6	85	200.1	292.9	231.5	249.5	188.1	43.4	12	74.5	50	61.4	31.4	44.7	84	9.7	32.7	7.5	2.8	6.7	1.2	6.4	1	1.8		1.6		2.3	0.7	70.1	2005.4	33247.2	941.4
SMDH 00221	6	7	95	222	331.1	272.8	259.2	200.9	71.9	21.1	102.2	58.9	58.3	50.8	43.9	89.4	10	39.7	8.7	2.5	6.7	1.2	8	1.6	4.1	0.8	4.7	0.7	6.7	1.3	57.2	1657.4	27477.6	902.7
SMDH 00221	7	8	35	491.8	562.3	528.6	510.8	477.1	51.5	14.7	130.9	117.7	33.7	36.8	113.9	224.4	26	82.8	16.4	2.4	11.2	1.4	7.5	1.3	2.6		1.9		31.1	1.5	37.2	907.7	15048.3	731.2
SMDH 00221	8	9	90	430.1	494.4	462.2	448.1	415.9	46.3	14.2	120.7	109.1	32.2	32.1	94.8	193.7	22.6	78.1	15	2.1	9.6	1.3	7.1	1.3	2.3		2.2		28.1	1.9	30	1008	16711.8	564.1
SMDH 00017	0	1	40	345.9	382	366.7	353.3	338	28.7	7.9	85.3	79.7	15.3	20.8	82.6	159.9	18.2	57.2	10.6	3	6.5	0.7	3.6	0.6	1.5		1.5		21.4	1.1	15.7	366.7	6079.6	141.3
SMDH 00017	1	2	48	125.5	142.9	132.2	134.9	124.2	8	1.3	31.1	28.8	10.7	6.7	31	57.9	6.5	21	3.6	2.1	2.1							8.9		14.3	413	6847.4	143.9	
SMDH 00017	2	3	40	222.4	234.8	228.7	226.2	220.1	8.6	2.3	48.9	51.3	6.1	6.3	53.5	104	11.2	38.5	7.1	2.5	3.3			0.7			20.3	0.6	11.4	215.1	3565.9	92.7		
SMDH 00017	3	4	70	272.3	291.6	280.9	279.6	268.9	12	3.4	60.7	64.9	10.7	8.6	64.2	126.8	15	47.8	8.2	2.2	4.7			2.1		0.7		24.8	0.9	11.4	341.7	5664.4	164.8	
SMDH 00017	4	5	65	428.6	467.9	452.6	433.2	417.9	34.7	10.7	108	103.8	15.3	24	99.3	197.3	22.5	75.8	12.8	2.7	7.5	0.8	4.7	0.8	1.9		2.5		36.6	1.7	17.2	529.1	8772.5	387.7
SMDH 00017	5	6	90	316.4	344.6	327.7	327.9	311	16.7	5.4	70.3	73.3	16.9	11.3	64.6	161	15.9	53.7	8.2	1.6	6	0.6	3.1		1		24.6	1.1	17.2	640.1	10612.3	376.9		
SMDH 00017	6	7	75	377.5	439.6	415.1	383.5	359	56.1	18.5	112.2	90.7	24.5	37.6	72.4	183.6	18.1	64.2	10.6	2	8.1	1.1	7.3	1.5	3.9	0.6	3.5	0.6	27.5	1.7	22.9	632.4	10484.3	346.6
SMDH 00017	7	8	95	337.3	398.8	372.7	347.1	321	51.7	16.3	102.5	81.5	26.1	35.4	63.9	162.4	16.4	57.2	10.9	2	8.2	1.1	6.8	1.3	3.2	0.6	3.3		23.9	1.5	42.9	772.2	12801.8	429.4
SMDH 00017	8	9	80	310.3	355.7	335.8	317.6	297.7	38.1	12.6	89	77.5	19.9	25.5	59.2	149	15.6	54.8	9.7	1.6	7.8	0.9	6.2	1	2.1		2.4		21.8	1.5	22.9	630.9	10458.7	374.7
SMDH 00017	9	10	60	535.8	598.9	572.8	543.9	517.8	55	18	133.6	119.6	26.1	37	111.7	268.5	25.5	85.1	13.8	2.5	10.7	1.5	7.5	1.4	3.7	0.6	3.3		24	1.5	38.6	865.8	14354.4	385.7
SMDH 00016b	0	1	35	348.9	398.8	380.4	353.2	334.8	45.6	14.1	99	82.5	18.4	31.5	63.9	174.4	16.6	58.3	11	1.6	9	1.2	6.4	1.1	2.9		2.5		24.5	1.5	17.2	623.3	10333.6	336.1
SMDH 00016b	1	2	40	265.5	297.4	282.1	273.2	257.9	24.2	7.6	69.9	65.1	15.3	16.6	54.3	126.6	13.7	46.7	8.6	1.9	6.1	0.8	3.9	0.6	1.3		1		17.9	0.8	14.3	766	12699.5	307.8
SMDH 00016b	2	3	75	407	432	415.1	420.1	403.2	11.9	3.8	81.8	92	16.9	8.1	83.9	210.9	20.2	68.8	10.6	1.9	6.9	0.6	2.4		0.8		32.8	0.9	14.3	548	9085.3	243.5		
SMDH 00016b	3	4	85	430.4	453	439.2	440.8	427	12.2	3.4	89.5	101.1	13.8	8.8	101.8	205.1	22.6	75.8	12.2	2.2	7.3	0.6	2.1		0.7		40.1	1.4	15.7	510.1	8456.8	282.2		
SMDH 00016b	4	5	65	289.3	308.4	297.7	297.7	287	10.7	2.3	63.8	68.8	10.7	8.4	69.7	135.1	15.8	51.3	8.2	2.4	4.5		1.7			0.6		25.7	0.7	12.9	295.9	4905.2	103.5	
SMDH 00016b	5	6	60	382.4	431.9	407.4	396.8	372.3	35.1	10.1	99	91.9	24.5	25	86.9	177.3	19.9	66.5	11.9	2	7.8	1.1	4.4	0.8	2.1		1.7		32.4	1.9	24.3	653.5	10834.1	362.6
SMDH 00016b	6	7	90	520	568.3	545.3	531.8	508.8	36.5	11.2	127.8	129	23	25.3	117.4	240.6	28.2	94.5	16.1	1.7	10.3	1.1	5.2	0.8	2.1		2		48.9	2.6	20	822.6	13637.8	421.6
SMDH 00016b	7	8	90	562.5	616	589.9	576.2	550.1	39.8	12.4	137.3	138.																						

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00015	3	4	50	258.4	291.1	277.3	263.6	249.8	27.5	8.6	76	68.2	13.8	18.9	54.5	113.6	13.4	50.2	9.2	2.3	6.6	0.8	3.8	0.6	1.7		1.7		21.8	1.4	14.3	73.9	1225.6	246.8
SMDH 00015	4	5	65	324.3	402.6	378.1	326.7	302.2	75.9	22.1	121.5	83.4	24.5	53.8	65.7	141.5	16.6	56	11.1	0.9	10.4	1.5	9.3	1.8	4.3	0.7	3.9	0.6	25.1	3.2	27.2	790.7	13108.9	339.6
SMDH 00015	5	6	90	226.7	268.1	251.2	233.1	216.2	35	10.5	72.5	59.3	16.9	24.5	47.6	99.7	12.1	42	7.5	0.8	6.5	0.8	4.4	0.9	2.5		1.9		19.3	2.2	22.9	623.1	10330.7	232.7
SMDH 00015	6	7	45	328	383.4	361.9	334.5	313	48.9	15	104	86.6	21.5	33.9	68.3	145.8	17.4	61.8	10.4	0.9	8.4	1.2	6.2	1.3	3.2		3.1		28.7	2.6	22.9	646.6	10720.3	337.6
SMDH 00015	7	8	75	131.6	156.5	147.3	135	125.8	21.5	5.8	43	34.3	9.2	15.7	27.4	58	7	24.5	5		3.9		2.8	0.6	1.4		1		11	0.9	10	518.7	8599	188.4
SMDH 00015	8	9	45	101.8	124	116.3	104.3	96.6	19.7	5.2	36.7	27.4	7.7	14.5	21.3	43.6	5.2	19.8	3.8		2.9		2.4		1.7		1.1		7.2	0.8	10	257.6	4271.1	194.4
SMDH 00015	9	10	50	222.3	273.6	259.8	222.7	208.9	50.9	13.4	83.2	56	13.8	37.5	49	96.4	11.2	38.5	7.1	0.9	5.8	0.9	5.4	1.3	3.3		2.5		15.9	1.9	20	203.6	3375.3	292.6
SMDH 00015	10	11	60	236.8	282	271.3	235.2	224.5	46.8	12.3	84.4	60.7	10.7	34.5	51.1	103.3	12.2	42	7.9	1.4	6.6	0.9	5.6	1.1	2.7		2		19.6	2.9	22.9	381.8	6329.8	307
SMDH 00015	11	12	90	242.6	283.9	271.6	243.4	231.1	40.5	11.5	79	61.3	12.3	29	52.8	107.7	12.3	43.2	7.9	1	6.2	0.9	4.9	1	2.5		2.2		20.5	2.6	21.5	200	3315.6	344
SMDH 00015	12	13	60	282.5	353.9	330.9	284.5	261.5	69.4	21	107.3	71.8	23	48.4	57.7	121.9	13.9	49	10	1	8	1.2	7.7	1.5	4.6	0.7	4.6	0.7	24.2	2.8	18.6	545.8	9048.3	279.1
SMDH 00014b	0	1	50	284.4	315.7	303.4	288.1	275.8	27.6	8.6	81.8	77.1	12.3	19	60.6	125.3	15.2	57.2	9.3	0.9	7.3	0.8	3.9	0.6	1.8		1.5		31.5	2.1	11.4	489.9	8121.3	333.6
SMDH 00014b	1	2	50	317.8	349.7	334.4	325.5	310.2	24.2	7.6	80.4	78.4	15.3	16.6	73.4	143.1	16.6	57.2	11	2	6.9	0.8	3.8	0.6	1.3		1.1		24.6	2.1	31.5	1997.4	33113.6	291
SMDH 00014b	2	3	65	286.7	307.3	298.1	291.1	281.9	16.2	4.8	71.4	73.1	9.2	11.4	63.8	130.7	15	54.8	9.7	1.9	6	0.7	2.6		0.9		0.6		25.6	1.7	10	489.9	8121.3	159.4
SMDH 00014b	3	4	80	159.7	171.2	166.6	162	157.4	9.2	2.3	40.1	40.8	4.6	6.9	36.1	73.1	8.8	30.3	4.3	1.2	3.6		1.7		0.6			13.1	0.8	5.7	860.9	14272	79	
SMDH 00014b	4	5	60	311.6	327.9	321.8	314.1	308	13.8	3.6	76.2	82.6	6.1	10.2	69.4	140.3	17.9	61.8	9.7	1.3	7.6	0.6	2.3		0.7			28.2	1.4	7.2	1060.9	17587.6	121.8	
SMDH 00014b	5	6	95	414.4	434.5	426.8	416.3	408.6	18.2	5.8	99.7	108.8	7.7	12.4	89.7	188.4	23	81.6	14.8	1.5	9.6	0.9	3.3	0.6	1			41.9	2.1	8.6	290	4808.5	225.6	
SMDH 00014b	6	7	80	813.2	846.7	834.4	813.2	800.9	33.5	12.3	193.6	216	12.3	21.2	175.7	370.5	46	161	26.1	2.4	19.2	2	7	0.9	1.7		0.7		81.7	3.2	15.7	11663.1	193358.1	248.7
SMDH 00014b	7	8	70	710	744.4	733.7	709.3	698.6	35.1	11.4	173	186.4	10.7	23.7	152.1	323.9	39.4	138.8	24.7	2.3	17.4	1.9	6.3	0.8	1.5		0.9		71.2	3.3	11.4	252.1	4180.1	372.6
SMDH 00014b	8	9	75	439.5	462.7	455	439.4	431.7	23.3	7.8	107.3	113.9	7.7	15.5	94.9	202.2	23.8	85.1	13.7	1.7	10.3	1.1	3.9	0.6	1.4		0.8		39.9	1.7	10	405.3	6719.4	169.9
SMDH 00014b	9	10	60	379.3	398.9	391.2	381.4	373.7	17.5	5.6	89.4	96.2	7.7	11.9	84.1	174.8	20.9	71.2	11.7	2.2	8.8	0.8	3.3		0.9		0.6		32.5	1.8	8.6	252.1	4180.1	165.1
SMDH 00014b	10	11	60	396.2	416.9	409.2	397.9	390.2	19	6	96.1	102.7	7.7	13	86.7	181.9	21.5	77	12.3	1.9	8.9	0.9	3.3		1.1		0.7		35.6	2.2	8.6	5.5	91	147.6
SMDH 00014bt	0	1	60	344.7	374.4	360.6	351.1	337.3	23.3	7.4	86.8	88.3	13.8	15.9	72.1	160.8	18.6	65.3	11.6	1.2	7.7	0.8	3.6	0.6	1.4		1		31.5	2	10	97.3	1612.3	326.9
SMDH 00014bt	1	2	50	374.9	396.2	388.5	377	369.3	19.2	5.6	91.9	96.8	7.7	13.6	83.4	171.1	20.5	72.3	11.5	2	8.5	0.8	3.2		1		0.6		31.5	1.4	8.6	77.5	1285.3	155.7
SMDH 00014bt	2	3	50	367.6	386.8	377.6	372.6	363.4	14.2	4.2	82.1	89.7	9.2	10	87	171.6	19.8	66.5	9.4	2.2	6.9	0.8	2.6		0.8			27.4	1.5	27.2	86.4	1433.2	121.4	
SMDH 00014bt	3	4	70	475.9	494.7	488.6	474.1	468	20.6	7.9	101.6	106.3	6.1	12.7	102.6	236.3	20.5	80.5	14.6	3.1	10.4	1.2	4.1	0.6	1.4		0.6		43.7	2.1	11.4	306.2	5075.8	174.7
SMDH 00014bt	4	5	40	546.1	569.8	562.1	546.4	538.7	23.4	7.4	125.5	132.5	7.7	16	122.1	257	25.7	101.5	18.3	2.7	11.4	1.3	4	0.6	0.9		0.6		44.4	2.6	11.4	245.3	4066.3	219.6
SMDH 00014bt	5	6	80	509.6	532.8	525.1	510.6	502.9	22.2	6.7	109.2	115.5	7.7	15.5	117.2	245.9	24.2	86.3	16.2	2.4	10.7	1.1	3.9	0.6	1.1			38.3	2.4	12.9	226.4	3753.5	174.1	
SMDH 00014bt	6	7	65	553	575.5	569.4	551.1	545	24.4	8	121.7	128.1	6.1	16.4	126.2	263.4	25.6	96.8	17.9	2.8	12.3	1.2	4.5	0.6	1.1		0.6		43.6	2	10	198.1	3284.3	117.8
SMDH 00014bt	7	8	80	562.7	589.7	580.5	563.6	554.4	26.1	8.3	130.1	136.4	9.2	17.8	127.1	264.2	26.8	103.8	18.3	2.7	11.5	1.3	4.5	0.6	1.3		0.6		43	3.3	12.9	309.4	5129.8	173.8
SMDH 00014bt	8	9	80	536.2	562.8	553.6	537	527.8	25.8	8.4	120	125.2	9.2	17.4	120.2	257.2	24.9	94.5	17.4	2.3	11.3	1.2	4.6	0.6	1.1		0.9		47.2	5	111.6	307.5	5098.5	194.4
SMDH 00014bt	9	10	70	374.6	404.2	391.9	379.9	367.6	24.3	7	94.6	85.2	12.3	17.3	86.4	182.5	10.4	71.2	6.3	2.5	8.3		3.6	0.6	1.5		1.3		28.9	3.4	47.2	320.9	5320.3	197.9
SMDH 00014bt	10	11	85	189.6	206.2	198.5	194.2	186.5	12	3.1	45.8	44.8	7.7	8.9	44.3	86.2	10.4	32.7	6.3	2.5	4.1		1.7		0.7		0.7		16.6	1.7	64.4	339.6	5630.3	154.4
SMDH 00014	0	1	35	413.8	462.2	440.7	422.6	401.1	39.6	12.7	108.1	101.2	21.5	26.9	94.1	187.6	21.9	73.5	14.3	1.9	7.8	0.8	5	0.9	2.6		0.6		31.6	2.8	40.1	324.5	5380.1	443.6
SMDH 00014	1	2	80	295.2	325.8	307.4	308.4	290	17.4	5.2	70	72.5	18.4	12.2	67.2	136.6	16.1	53.1	9.5	1.4	6.1	0.7	2.6		1.1		2.5		25.5	2.6	25.2	541	8968.7	360.8
SMDH 00014	2	3	80	1616.4	1665.9	1642.9	1626.1	1603.1	39.8	13.3	271.9	317.8	23	26.5	461.3	774.9	79.1	230.9	33.9	6.7	16.3	1.4	6.4	1	2.3		2.2		29.5	1.5	42.9	832.1	13794.2	308.4
SMDH 00014	3	4	85	237.1	260.4	246.6	246.7	232.9	13.7	4.2	57.2	59.7	13.8	9.5	53.5	108.7	13	44.3	7.3	1	5.1		2.4		0.8		1		19.1	2	24.3	452.1	7495.7	534.4
SMDH 00014	4	5	80	312.2	339.8	324.5	321.8	306.5	18	5.7	72.6	74.4	15.3	12.3	72.4	145.6	15.7	54.8	10.1	1.6	6.3	0.7	3.2		1		0.8		25	2	32.9	875.4	14513.7	459.1
SMDH 00014	5	6	95	408.2	446	427.6	417.7	399.3	28.3	8.9	98.9	99.9	18.4	19.4	91.2	188.4	22.1	72.3	15	1.7	8.6	0.9	4.6	0.7	1.6		1.1		34.8	2.7	28.6	983	16296.6	489.1
SMDH 00014	6	7	90	327.1	370.5	352.1	334.8	316.4	35.7	10.7	90.3	81.1	18.4	25	72.5	148.4	17.4	58.3	11.2	1														

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00033b	11	12	95	313.1	360.3	340.4	321.1	301.2	39.2	11.9	91.6	78.8	19.9	27.3	68.6	141.9	15.8	57.2	9	1.3	7.4	0.9	4.9	0.9	2.7		2.5		28.7	2.2	24.3	716.1	11872	336.9
SMDH 00033b	12	13	98	465.8	540.4	512.8	472.6	445	67.8	20.8	134.8	108.7	27.6	47	104.8	215.6	22.8	77	12.2	1.9	10.7	1.3	7.6	1.6	4.5	0.7	4.4	0.7	36.2	3.4	34.3	293.8	4871.1	549.6
SMDH 00033	0	1	45	542.8	586.3	571	545.5	530.2	40.8	12.6	139.3	138.1	15.3	28.2	120.6	247.6	28.3	102.6	17.2	1.3	12.6	1.3	5.9	0.8	2.4	2.2	49.6	2.1	14.3	238.1	3946.9	460.5		
SMDH 00033	1	2	45	957.9	1026.5	1002	961.9	937.4	64.6	20.5	203	201	24.5	44.1	250.2	458.1	45.9	144.6	20.3	3.8	14.5	1.9	8.6	1.6	4.2	0.7	3.5	31.9	2.1	78.7	921.9	15284.3	405	
SMDH 00033	2	3	80	701.6	765.1	742.1	706.4	683.4	58.7	18.2	155	144.2	23	40.5	184	336.3	32.5	102.6	14	2.8	11.2	1.4	7.7	1.4	3.8	0.6	3.3	19.7	1.8	71.5	789	13080.5	307.7	
SMDH 00033	3	4	55	293.6	363.7	340.7	295.6	272.6	68.1	21	107.8	72.9	23	47.1	61.1	127.3	13.7	49	10.3	1.5	9.7	1.5	8.7	1.5	4.5	0.6	4.2	15.1	1.8	37.2	861.9	14289	301.9	
SMDH 00033	4	5	85	325.2	403.5	375.9	331.3	303.7	72.2	21.5	120.2	84.8	27.6	50.7	67.7	139.8	16.8	57.2	11.1	1.5	9.6	1.5	9.3	1.6	3.9	0.6	4	0.6	23.1	2.5	27.2	921.9	15284.3	438.7
SMDH 00033	5	6	50	421.1	472.8	449.8	431.8	408.8	41	12.3	109.9	100.5	23	28.7	100	192.7	21.7	72.3	12.1	2.4	7.6	1.1	5.4	1	2.1		2.7	27.9	1.4	24.3	782.7	12975.3	290.8	
SMDH 00033	6	7	45	393.1	416.8	406.1	398.8	388.1	18	5	90.1	95.7	10.7	13	91.6	183.9	21.3	71.2	11.1	2.7	6.3	0.6	2.6		1		0.8	37.1	0.7	8.6	306.7	5084.3	106.8	
SMDH 00033	7	8	40	310.1	345.8	328.9	319.3	302.4	26.5	7.7	77.6	73.5	16.9	18.8	74.1	141.5	16.8	52.5	9.3	2.1	6.1	0.6	3.6	0.7	1.4		1.4	26.3	0.9	20	306.7	5084.3	243.5	
SMDH 00033	8	9	45	267	313.2	288.7	282.8	258.3	30.4	8.7	75.1	65.4	24.5	21.7	60	120.6	14	46.7	9.2	2	5.8	0.7	4	0.8	1.6		1.6	21.4	0.9	20	883.3	14644.5	310.3	
SMDH 00033	9	9.5	60	275.4	301.8	288	284.6	270.8	17.2	4.6	66.6	66.4	13.8	12.6	63.2	128	14.4	49	9.2	2	5	0.6	2.4		0.8		26.3	0.6	11.4	514.6	8530.8	133.7		
SMDH 00032b	0	1	50	429	464.8	451	433.1	419.3	31.7	9.7	106.4	106.6	13.8	22	95.8	198.5	22.8	78.1	14.6	0.6	8.9	1.1	4.6	0.7	1.7		1.6	42.6	3.2	8.6	484.5	8033.1	666.2	
SMDH 00032b	1	2	45	489	522.6	510.3	491.2	478.9	31.4	10.1	114.1	117.5	12.3	21.3	106.4	234.6	25.5	86.3	14.4	0.8	10.9	1.3	4.4	0.8	2.1		1.5	47	2.9	17.2	433.1	7180.1	373.2	
SMDH 00032b	2	3	45	253.7	329.7	300.6	265	235.9	64.7	17.8	101.3	65.6	29.1	46.9	55.1	105.9	12.7	44.3	8.7	1.5	7.7	1.3	7.3	1.4	3.9	0.6	3.3	18.3	1.7	34.3	855.6	14183.8	302.8	
SMDH 00032b	3	4	70	260.4	322.1	296	271.7	245.6	50.4	14.8	88	64.5	26.1	35.6	55.1	116.7	13.3	44.3	8.1	1.2	6.9	1.2	5.7	1.1	3.4		3.4	21.6	1.2	4.3	453.3	7515.6	285	
SMDH 00032b	4	5	50	240.5	276.9	257	252.5	232.6	24.4	7.9	64.3	58.7	19.9	16.5	52.8	110.6	12.1	42	8.1	1.2	5.8	1.2	3.4	1.1	1.1		1.1	19.3	1.2	10	659	10925.1	272.9	
SMDH 00032b	5	6	70	193.8	227.4	209	206.6	188.2	20.8	5.6	53.6	46.9	18.4	15.2	43.4	89.7	9.7	33.8	5.8	1.2	4.6		3.4		1.1		17.1	1.2	4.3	500.7	8300.4	322.8		
SMDH 00032b	6	7	90	278.9	311.3	292.9	290.5	272.1	20.8	6.8	71.1	70.4	18.4	14	62.2	127.8	14.5	51.3	9.3	1.2	5.8	1.2	3.4		1.1		26.2	1.2	5.7	580.6	9625.5	228.3		
SMDH 00032b	7	8	60	122	139	128.3	131.6	120.9	7.4	1.1	31.9	29.3	10.7	6.3	29.3	55.3	6	22.2	3.5	2.3	2.3		1.1				9.1		2.9	326.2	5408.5	232.3		
SMDH 00032	0	1	40	215.3	234.7	225.5	220	210.8	14.7	4.5	52.2	52.9	9.2	10.2	52.8	94.6	12.1	38.5	7	1.2	4.6		2.3		1.1		14.8	1.2	11.4	313.2	5192.4	208		
SMDH 00032	1	2	35	244.5	259.8	252.1	248.8	241.1	11	3.4	54.3	58.8	7.7	7.6	55.1	116.7	13.3	43.2	7	1.2	4.6		2.3		1.1		21.6	1.2	4.3	258.5	4285.3	137.8		
SMDH 00032	2	3	40	258.7	278.1	268.9	264.5	255.3	13.6	3.4	60.4	62.3	9.2	10.2	59.8	121.6	13.3	46.7	8.1	1.2	4.6		2.3		1.1		22.8	1.2	200.7	3327	116.2			
SMDH 00032	3	4	65	333.8	403.1	369.4	353.8	320.1	49.3	13.7	103.2	84.5	33.7	35.6	71.5	153.6	18.1	59.5	9.3	1.2	6.9	1.2	5.7	1.1	2.3		3.4	26.2	1.2	22.9	1159.5	19222.6	533.6	
SMDH 00032	4	5	95	276.3	296.9	287.7	281.5	272.3	15.4	4	65.4	66.3	9.2	11.4	64.7	128.6	14.6	48.6	8.3	2.3	5.2	0.6	2.5		0.9		24.8	2.1	11.3	163.5	2709.9	210.3		
SMDH 00032	5	6	90	156.8	173.6	164.4	162.6	153.4	11	3.4	40.3	40	9.2	7.6	36.4	70	8.5	29.2	4.6	1.2	3.5		2.3		1.1		12.5	1.2		256.3	4248.3	116.2		
SMDH 00032	6	7	60	274.2	296.1	286.9	278.9	269.7	17.2	4.5	66.3	65.8	9.2	12.7	59.8	129	14.5	49	9.3	2.3	5.8		2.3		1.1		23.9	1.2		297.9	4939.3	122.9		
SMDH 00032	7	8	80	63.4	79.2	68.5	73	62.3	6.2	1.1	19	15.2	10.7	5.1	14.1	28.3	3.6	10.5	2.3	2.3	1.2		1.1				4.6			303.6	5033.1	154		
SMDH 00032	8	9	80	70.3	90.2	77.9	79.3	67	10.9	3.3	22.7	16.4	12.3	7.6	15.2	30.7	3.6	11.7	2.3	2.3	1.2		1.1				4.6		4.3	353	5852.1	162.1		
SMDH 00032	9	10	70	245.8	263.7	256	250.1	242.4	13.6	3.4	52.2	53	7.7	10.2	55.1	120.4	14.5	36.2	8.1	3.5	4.6		2.3		1.1		14.8	1.2	15.7	222.1	3682.4	94.6		
SMDH 00031b	0	1	25	321.8	357	344.7	325	312.7	32	9.1	87	79.8	12.3	22.9	70.4	148.6	16.9	58.3	10.4	1.2	6.9	1.2	3.4		1.1	1.1		28.4	2.4	5.7	296	4908	443.1	
SMDH 00031b	1	2	90	387.4	425.6	410.3	391.2	375.9	34.4	11.5	103.3	99.8	15.3	22.9	88	170.7	21.7	72.3	12.8	2.3	8.1	1.2	4.6	1.1	2.3		30.7	2.4	12.9	480.8	7970.6	435		
SMDH 00031b	2	3	85	319.2	347.2	331.9	327.7	312.4	19.5	6.8	77.9	81	15.3	12.7	73.9	142.5	18.1	58.3	10.4	2.3	6.9	1.2	3.4		1.1		28.4	2.4	7.2	390.9	6480.5	235		
SMDH 00031b	3	4	75	300.4	324.4	310.6	310.8	297	13.6	3.4	70.8	75.2	13.8	10.2	69.2	136.4	16.9	56	10.4	2.3	5.8		2.3		1.1		27.3	2.4	7.2	390.9	6480.5	179.7		
SMDH 00031b	4	5	80	286.1	310.3	295	298	282.7	12.3	3.4	66	70.5	15.3	8.9	65.7	131.4	15.7	52.5	9.3	2.3	5.8		2.3		1.1		26.2	1.2	4.3	539.3	8940.2	160.7		
SMDH 00031b	5	6	90	233.2	257.2	243.4	242.5	228.7	14.7	4.5	58	58.8	13.8	10.2	52.8	104.4	13.3	43.2	8.1	2.3	4.6		2.3		1.1		20.5	1.2	1.4	496.6	8232.2	216.1		
SMDH 00031b	6	7	50	304.9	331.2	318.9	310.4	298.1	20.8	6.8	76.9	77.5	12.3	14	72.7	135.1	16.9	56	9.3	2.3	5.8	1.2	3.4		1.1		25	1.2	4.3	348.4	5775.3	190.5		
SMDH 00031b	7	8	90	232.2	249	239.8	238	228.8	11	3.4	53	55.2	9.2	7.6	55.1	106.9	12.1	40.8	7	2.3	4.6		2.3		1.1		20.5	1.2		244.9	4060.6	163.4		
SMDH 00031b	8	9	655	320.4	342.5	331.8	324.3	313.6	18.2	6.8	76.6	81	10.7	11.4	73.9	143.7	18.1	58.3	10.4	2.3	6.9	1.2	3.4		1.1		30.7	2.4		325.9	5402.8	189.1		
SMDH 00031b	9	10	85	293	314.2	301.9	301.8	289.5	12.4	3.5	70.7	76.4	12.3	8.9	69.2	127.8	16.9	56	10.4	2.3	6.9	1.2	2.3				28.4	2.4		272.9	4524.1	185.1		
SMDH 00031	0	1	45	296.																														

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm	
SMDH 00030	12	13	95	162.8	207.5	176.8	187.8	157.1	19.7	5.7	46.7	40	30.7	14	36.4	74.9	8.5	28	4.6	1.2	3.5	1.2	2.3		1.1	2.3		1.1		12.5	1.2	31.5	923	15301.3	509.3
SMDH 00030	13	14	90	299.3	359.4	327.2	320	287.8	39.4	11.5	81.6	68.2	32.2	27.9	71.5	138.8	15.7	46.7	8.1	1.2	5.8	1.2	4.6	1.1	2.3		2.3		17.1	1.2	45.8	740.6	12278.6	521.4	
SMDH 00030	14	15	96	388.2	440.9	407.2	415.1	381.4	25.8	6.8	91.3	92.8	33.7	19	88	184.3	21.7	66.5	11.6	1.2	8.1	1.2	3.4		1.1		1.1		34.1	2.4	35.8	1024	16976.2	530.9	
SMDH 00030	15	15.5	90	524.5	573.9	544.8	544.4	515.3	29.5	9.2	120.6	125.8	29.1	20.3	119.6	246.9	27.8	91	16.2	2.3	11.5	2.4	4.6		1.1		1.1		45.5	3.5	25.7	762.6	12642.6	475.5	
SMDH 00029b	0	1	40	475.7	521.8	504.9	481.1	464.2	40.7	11.5	117.9	112.9	16.9	29.2	105.6	226	25.4	80.5	15.1	1.2	10.4	2.4	4.6	1.1	2.3		1.1		41	3.5	14.3	331.9	5502.3	559.2	
SMDH 00029b	1	2	35	448.6	502.1	479.1	459	436	43.1	12.6	109.8	101.1	23	30.5	93.8	224.8	23	71.2	12.8	1.2	9.2	1.2	5.7	1.1	2.3		2.3		36.4	3.5	17.2	488.3	8095.7	557.9	
SMDH 00029b	2	3	50	299.6	335.8	318.9	308.5	291.6	27.3	8	79	74.8	16.9	19.3	65.7	137.5	16.1	53.9	10.8	1	6.6	0.8	4	0.7	1.6		0.9		29.8	3.5	11.2	240.1	3981	376.2	
SMDH 00029b	3	4	40	502	548.5	530.1	508	489.6	40.5	12.4	129	126.9	18.4	28.1	108.8	230.7	27.3	92.6	18.2	1.3	10.7	1.3	5.7	0.9	2.3		2.2		48.2	4.7	14.4	281.8	4672	347.7	
SMDH 00029b	4	5	80	631	701.3	669.1	646.1	613.9	55.2	17.1	139.5	125.7	32.2	38.1	113.8	351.3	26.6	91	17.4	2.3	11.5	1.2	6.9	1.1	3.4	1.1	3.4		42.1	3.5	28.6	910.8	15099.4	428.2	
SMDH 00029b	5	6	90	530.6	580.3	549.6	552.2	521.5	28.1	9.1	102.9	104.6	30.7	19	95	303.4	23	75.8	12.8	2.3	9.2	1.2	4.6	1.1	1.1		1.1		35.3	2.4	27.2	1102	18270	430.9	
SMDH 00029b	6	7	65	608.6	674.4	639.1	629.1	593.8	45.3	14.8	122.5	115.1	35.3	30.5	111.4	347.6	25.4	82.8	15.1	2.3	9.2	1.2	5.7	1.1	3.4		3.4		34.1	2.4	42.9	994.5	16487.1	406.6	
SMDH 00029b	7	8	65	516.9	582.7	547.4	538.5	503.2	44.2	13.7	113.2	102.1	35.3	30.5	91.5	289.9	21.7	73.5	13.9	2.3	10.4	1.2	5.7	1.1	3.4		2.3		33	2.4	27.2	879.7	14584.8	472.8	
SMDH 00029b	8	9	50	510.7	581.2	547.5	527.3	493.6	53.9	17.1	118.4	101	33.7	36.8	91.5	283.8	21.7	71.2	13.9	2.3	9.2	1.2	6.9	1.1	3.4	1.1	3.4		31.9	2.4	28.6	819.9	13592.3	405.2	
SMDH 00029b	9	10	95	550.4	619.2	588.5	564	533.3	55.2	17.1	126.6	109.2	30.7	38.1	99.7	307.1	23	78.1	13.9	2.3	9.2	1.2	6.9	1.1	3.4	1.1	3.4		34.1	2.4	32.9	829.5	13751.6	441.7	
SMDH 00029b	10	11	50	533.6	596	565.3	549.5	518.8	46.5	14.8	117.9	105.6	30.7	31.7	96.2	298.5	21.7	77	13.9	2.3	9.2	1.2	5.7	1.1	3.4		3.4		34.1	2.4	65.8	953.8	15813.2	517.4	
SMDH 00029b	11	12	95	456	520.7	491.6	470.3	441.2	50.4	14.8	112.5	96.2	29.1	35.6	85.6	240.8	20.5	68.8	13.9	1.2	10.4	1.2	5.7	1.1	3.4		3.4		31.9	2.4	24.3	772.2	12801.8	479.5	
SMDH 00029b	12	13	85	429.4	510.2	468.8	457.1	415.7	53.1	13.7	122.1	103.4	41.4	39.4	97.3	196.5	23	73.5	13.9	2.3	9.2	1.2	5.7	1.1	2.3		3.4		31.9	2.4	40.1	703.2	11658.7	536.3	
SMDH 00028b	0	1	30	475	526.7	509.8	476.9	460	49.8	15	127.3	116.3	16.9	34.8	104.7	218.8	25.3	83.2	16.1	1.5	10.4	1.3	6.5	1.1	2.9		3.2		43	6	18.5	338.2	5607.6	454.8	
SMDH 00028b	1	2	60	321.8	392.1	359.9	341.4	309.2	50.7	12.6	101	78.6	32.2	38.1	70.4	148.6	16.9	54.8	10.4	1.2	6.9	1.2	5.7	1.1	2.3		2.3		26.2	2.4	27.2	647.3	10731.7	380.9	
SMDH 00028b	2	3	40	155.6	192.3	170.8	171.4	149.9	20.9	5.7	45.6	37.7	21.5	15.2	35.2	71.2	8.5	25.7	4.6	1.2	3.5	1.2	2.3		1.1		1.1		12.5	1.2	24.3	463.3	7680.5	237.7	
SMDH 00028b	3	4	70	251.5	307.6	276.9	273.1	242.4	34.5	9.1	73.2	59.9	30.7	25.4	55.1	119.2	13.3	42	7	1.2	4.6	1.2	3.4	1.1	1.1		2.3		22.8	1.2	18.6	620.4	10285.2	401.2	
SMDH 00028b	4	5	75	214.2	259.3	233.2	233.5	207.4	25.8	6.8	59.8	49.4	26.1	19	48.1	100.7	10.9	35	5.8	2.3	4.6	1.2	2.3	1.1	1.1		1.1		19.3	1.2	21.5	556.4	9224.6	356.6	
SMDH 00028b	5	6	80	102.5	186.3	134.2	143.1	91	43.2	11.5	55	26.9	52.1	31.7	19.9	41.8	4.8	16.3	3.5	1.2	3.5	1.2	4.6	1.1	2.3		2.3		5.7	1.2	17.2	1255.4	20812.2	167.5	
SMDH 00028b	6	7	90	103.2	201.9	137.5	156.1	91.7	45.8	11.5	65.8	35.1	64.4	34.3	16.4	35.6	4.8	24.5	4.6	1.2	4.6	1.2	4.6	1.1	2.3		2.3		3.4	1.2	25.7	1369.3	22700.3	175.6	
SMDH 00028b	7	8	80	103.4	174.3	139	128.4	93.1	45.9	10.3	60.1	28.1	35.3	35.6	21.1	38.1	4.8	18.7	4.6	1.2	4.6	1.2	3.4	1.1	2.3		2.3		4.6	1.2	24.3	1030.2	17078.6	132.4	
SMDH 00028b	8	8.5	20	83.6	122	106.7	90.4	75.1	31.6	8.5	44.1	23.4	15.3	23.1	15.1	32.7	4.1	14.8	3.8	1.7	2.9	0.6	3.9	0.7	1.8		1.5		3.4	1.3	8.6	256.6	4254	108.5	
SMDH 00028	0	1	25	317.2	354.6	343.9	310.9	309.2	34.7	8	88.5	77.5	10.7	26.7	73.9	146.2	16.9	54.8	9.3	1.2	6.9	1.2	4.6		1.1		1.1		28.4	2.4	7.2	205.3	3403.8	258	
SMDH 00028	1	2	60	646.1	737.4	715.9	645.8	624.3	91.6	21.8	196.9	159.7	21.5	69.8	146.6	294.8	33.8	115.5	18.6	1.2	13.8	1.2	9.2	1.1	4.6	1.1	4.6		58	3.5	21.5	875.6	14516.5	603.8	
SMDH 00028	2	3	50	441.8	494.3	477.4	447.2	430.3	47.1	11.5	121.9	109.3	16.9	35.6	104.4	201.5	24.2	79.3	11.6	1.2	8.1	1.2	4.6	1.1	2.3		2.3		42.1	1.2	22.9	643	10660.6	387.7	
SMDH 00028	3	4	45	294.4	337.6	322.3	299.4	284.1	38.2	10.3	83.9	70.5	15.3	27.9	68	135.1	15.7	50.2	8.1	1.2	5.8	1.2	3.4	1.1	2.3		2.3		29.6	1.2	12.9	603.9	10012.3	297.2	
SMDH 00028	4	5	50	341.2	387.3	370.4	347.8	330.9	39.5	10.3	93.3	81	16.9	29.2	80.9	158.5	18.1	58.3	8.1	1.2	5.8	1.2	3.4	1.1	2.3		2.3		30.7	1.2	11.4	688	11405.6	364.7	
SMDH 00028	5	6	75	344.7	390	370.1	356.7	336.8	33.3	7.9	91.8	82.2	19.9	25.4	82.1	159.7	18.1	59.5	9.3	2.3	5.8	1.2	3.4	1.1	1.1		1.1		28.4	1.2	17.2	619.7	10273.9	308	
SMDH 00028	6	7	85	300.7	331.2	315.9	312.6	297.3	18.6	3.4	73.5	72.8	15.3	15.2	68	143.7	15.7	54.8	8.1	1.2	5.8		2.3		1.1			25	1.2	12.9	517.3	8576.3	289.1		
SMDH 00027b	0	1	50	510.2	586.3	564.8	515.7	494.2	70.6	16	153.6	122.1	21.5	54.6	109.1	245.7	25.4	88.6	13.9	2.3	9.2	1.2	6.9	1.1	3.4		3.4		44.4	2.4	17.2	799.8	13259.6	502.5	
SMDH 00027b	1	2	20	304	347.6	330.7	310.7	293.8	36.9	10.2	88.5	76.2	16.9	26.7	65.9	139.1	16.7	54.1	9.5	2.3	6.2	0.8	4.6	0.8	2.3		1.7		23.4	2.1	19.3	378	6267.3	223.8	
SMDH 00027b	2	3	70	339.6	428.7	398	353.2	322.5	75.5	17.1	127.2	84.5	30.7	58.4	72.7	156	16.9	59.5	9.3	1.2	6.9	1.2	6.9	1.1	3.4	1.1	3.4		26.2	1.2	31.5	823.6	13654.9	345.8	
SMDH 00027b	3	4	85	405.2	511.1	478.9	413.4	381.2	97.7	24	154.1	98.5	32.2	73.7	85.6	185.5	19.3	70	10.4	1.2	9.2	1.2	8	2.3	4.6	1.1	5.7	1.1	30.7	1.2	28.6	909.2	15073.8	495.7	
SMDH 00027b	4	5	98	466	538.3	509.2	482.5	453.4	55.8	12.6	134	111.5	29.1	43.2	100.9	223.6	23	81.6	12.8	2.3	9.2	1.2	5.7	1.1	2.3		2.3		39.8	2.4	28.6	955			

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00026b	11	11.5	50	414.2	476	456.1	422.9	403	53.1	11.2	123.2	102.2	19.9	41.9	90.9	191.6	22.1	74.2	14	1.2	9	1.1	4.8	0.9	1.9		2.5		37.8	3.7	15.2	423.1	7015.1	729.6
SMDH 00026	0	1	35	541.4	637.8	608.7	553.3	524.2	84.5	17.2	168.7	129.2	29.1	67.3	117.3	259.2	29	89.8	16.2	1.2	11.5	2.4	8	1.1	3.4		2.3		51.2	3.5	18.6	563.4	9341.2	517.4
SMDH 00026	1	2	15	470.2	575.8	545.1	481.5	450.8	94.3	19.4	165.7	112.7	30.7	74.9	100.9	219.9	24.2	78.1	13.9	2.3	11.5	2.4	8	1.1	3.4	1.1	3.4		43.2	3.5	22.9	686.3	11377.2	409.3
SMDH 00026	2	3	45	497.7	613.2	576.4	510.4	473.6	102.8	24.1	179	125.7	36.8	78.7	104.4	227.3	26.6	87.5	15.1	1.2	11.5	2.4	9.2	2.3	3.4	1.1	4.6	1.1	45.5	3.5	24.3	790.9	13111.8	520.1
SMDH 00026	3	4	90	466.3	592.7	559	474.7	441	118	25.3	188.2	117.4	33.7	92.7	96.2	210.1	24.2	81.6	15.1	2.3	11.5	2.4	9.2	2.3	4.6	1.1	4.6	1.1	41	3.5	21.5	776.7	12875.8	432.3
SMDH 00026	4	5	95	532.1	668	631.2	541.4	504.6	126.6	27.5	205.1	131.5	36.8	99.1	112.6	242	27.8	91	16.2	2.3	12.7	2.4	10.3	2.3	4.6	1.1	5.7	1.1	46.7	3.5	27.2	758.6	12577.2	502.5
SMDH 00026	5	6	90	630.1	768.8	722.8	648.6	602.6	120.2	27.5	219.6	158.4	46	92.7	132.5	287.4	33.8	110.8	19.7	2.3	16.1	3.5	10.3	2.3	4.6	1.1	4.6	1.1	56.9	3.5	32.9	861.2	14277.6	618.7
SMDH 00026	6	7	90	592.5	706.1	666.2	611.8	571.9	94.3	20.6	189.1	144.5	39.9	73.7	126.7	277.6	31.4	101.5	17.4	2.3	15	2.4	9.2	1.1	3.4	1.1	3.4		55.8	2.4	22.9	853.1	14144	489
SMDH 00026	7	8	85	808.6	934.8	887.3	829.8	782.3	105	26.3	240.6	203.1	47.5	78.7	179.4	368.5	43.5	145.8	24.4	2.3	18.4	3.5	10.3	2.3	3.4	1.1	4.6	1.1	67.1	3.5	55.8	1102.7	18281.4	676.8
SMDH 00026	8	9	90	763.6	873.8	838.5	782.8	747.5	91	16.1	198.5	152.7	35.3	74.9	171.2	400.5	31.4	112	17.4	2.3	12.7	2.4	6.9	1.1	3.4		2.3		53.5	2.4	34.3	1059.7	17567.7	536.3
SMDH 00026	9	10	95	735.6	886.7	849.9	749.5	712.7	137.2	22.9	234.3	146.7	36.8	114.3	159.5	385.7	29	106.1	17.4	2.3	12.7	2.4	9.2	1.1	5.7	1.1	3.4		54.6	2.4	11.4	948.2	15719.3	436.3
SMDH 00026	10	11	70	886.1	1020.9	982.6	904.8	866.5	116.1	19.6	241	178.4	38.3	96.5	193.5	468	36.2	130.6	20.9	2.3	15	2.4	9.2	1.1	4.6		2.3		70.5	3.5	25.7	1059.7	17567.7	683.5
SMDH 00026	11	12	90	859.7	970.2	933.4	881.6	844.8	88.6	14.9	212.4	172.6	36.8	73.7	191.2	453.3	36.2	127.1	20.9	2.3	13.8	2.4	6.9	1.1	3.4				66	3.5	27.2	1220.7	20237.8	655.1
SMDH 00025b	0	1	45	438.9	526.4	504.9	446.7	425.2	79.7	13.7	139.4	90.3	21.5	66	98.5	223.6	18.1	65.3	10.4	1.2	8.1	1.2	5.7	1.1	3.4		2.3		34.1	2.4	12.9	490.2	8127	358
SMDH 00025b	1	2	55	503.3	610.3	585.8	511.8	487.3	98.5	16	169.9	106.7	24.5	82.5	114.9	250.6	20.5	78.1	12.8	1.2	9.2	1.2	6.9	1.1	3.4		3.4		34.1	2.4	31.5	648.9	10757.3	294.5
SMDH 00025b	2	3	85	584.2	678.5	654	595	570.5	83.5	13.7	160.7	113.9	24.5	69.8	144.3	296	24.2	82.8	12.8	1.2	9.2	1.2	5.7	1.1	3.4		2.3		36.4	2.4	38.6	632.6	10487.1	325.5
SMDH 00025b	3	4	90	517.6	622.1	597.6	529.5	505	92.6	12.6	157	96.3	24.5	80	117.3	275.2	20.5	70	11.6	1.2	9.2	1.2	4.6	1.1	3.4		2.3		37.6	2.4	20	709.6	11763.9	372.8
SMDH 00025b	4	5	85	281.3	327.6	309.2	287.1	268.7	40.5	12.6	89.7	73.9	18.4	27.9	73.9	106.9	13.3	53.7	9.3	1.2	10.4	1.2	5.7	1.1	2.3		2.3		14.8	1.2	25.7	672.7	11152.5	148.6
SMDH 00025b	5	6	98	432.2	515.4	489.3	445.7	419.6	69.7	12.6	149.2	111.4	26.1	57.1	113.8	178.1	20.5	84	13.9	1.2	8.1	1.2	5.7	1.1	2.3		2.3		31.9	2.4	18.6	503.1	8340.2	358
SMDH 00025b	6	7	85	466.7	562.3	537.8	475.1	450.6	87.2	16.1	172.5	120.8	24.5	71.1	119.6	192.9	21.7	89.8	13.9	2.3	10.4	2.4	6.9	1.1	2.3		3.4		31.9	2.4	18.6	507	8405.6	397.1
SMDH 00025b	7	7.5	70	433.6	528.7	499.6	449	419.9	79.7	13.7	153.4	106.7	29.1	66	111.4	185.5	20.5	79.3	12.8	1.2	9.2	1.2	5.7	1.1	2.3		3.4		30.7	2.4	15.7	511	8471	385
SMDH 00025	0	1	20	489.8	563.5	548.2	491.3	476	72.2	13.8	157.5	119.6	15.3	58.4	130.2	208.8	21.7	89.8	13.9	1.2	10.4	1.2	6.9	1.1	2.3		2.3		36.4	2.4	8.6	398.4	6605.6	407.9
SMDH 00025	1	2	35	320	375.9	360.6	323.8	308.5	52.1	11.5	105.9	78.6	15.3	40.6	85.6	132.7	14.5	58.3	9.3	1.2	6.9	1.2	4.6	1.1	2.3		2.3		22.8	1.2	17.2	325.5	5397.1	279.6
SMDH 00025	2	3	90	469.2	555.9	531.4	478.7	454.2	77.2	15	161.3	119.6	24.5	62.2	123.1	195.3	21.7	88.6	13.9	1.2	10.4	2.4	6.9	1.1	2.3		2.3		34.1	1.2	18.6	511	8471	335
SMDH 00025	3	4	95	472.4	583.8	556.2	478.3	450.7	105.5	21.7	181.7	118.4	27.6	83.8	124.3	192.9	21.7	86.3	13.9	1.2	10.4	2.4	8	1.1	3.4	1.1	4.6	1.1	30.7	2.4	21.5	491.2	8144	321.5
SMDH 00025	4	5	98	399.2	456.5	433.5	410.7	387.7	45.8	11.5	97.3	78.7	23	34.3	71.5	224.8	16.9	56	10.4	1.2	6.9	1.2	4.6	1.1	2.3		2.3		30.7	1.2	14.3	405.6	6725.1	285
SMDH 00025	5	6	85	415.1	506.2	478.6	426.7	399.1	79.5	16	120.6	77.6	27.6	63.5	70.4	238.3	21.7	47.8	12.8	1.2	6.9	1.2	6.9	1.1	3.4		3.4		29.6	2.4	22.9	505.6	8382.9	326.9
SMDH 00025	6	7	90	459	550.6	527.6	463.7	440.7	86.9	18.3	142	91.5	23	68.6	80.9	254.3	19.3	63	12.8	1.2	9.2	1.2	8	1.1	4.6		3.4		33	2.4	24.3	434.5	7202.8	256.7
SMDH 00025	7	8	90	497.9	614.6	585.5	499.6	470.5	115	27.4	173.8	105.5	29.1	87.6	85.6	266.6	20.5	72.3	13.9	1.2	10.4	2.4	10.3	1.1	5.7	1.1	5.7	1.1	36.4	2.4	22.9	507.5	8414.2	397.1
SMDH 00025	8	9	98	579.2	685.6	650.3	593.8	558.5	91.8	20.7	169	121	35.3	71.1	102	318.2	25.4	84	15.1	2.3	11.5	2.4	9.2	1.1	4.6		3.4		43.2	2.4	25.7	672.9	11155.4	425.5
SMDH 00025	9	10	94	499.7	616.8	586.1	507.5	476.8	109.3	22.9	168	100.9	30.7	86.4	89.1	275.2	20.5	70	11.6	1.2	9.2	2.4	8	1.1	4.6	1.1	4.6	1.1	36.4	2.4	22.9	496	8223.6	375.5
SMDH 00025	10	11	95	665	740.6	714.5	667.1	641	73.5	24	150.9	128	26.1	49.5	114.9	379.6	27.8	89.8	16.2	1.2	11.5	1.2	9.2	1.1	5.7	1.1	4.6	1.1	52.3	3.5	28.6	786.1	13032.2	520.1
SMDH 00025	11	11.5	80	601	667.4	642.9	606.1	581.6	61.3	19.4	137.4	120.9	24.5	41.9	102	339	26.6	85.1	16.2	1.2	11.5	1.2	8	1.1	4.6	1.1	3.4		48.9	3.5	24.3	690.9	11454	456.6
SMDH 00024b	0	1	35	1114.1	1200.4	1178.9	1103.5	1082	96.9	32.1	236.1	218.4	21.5	64.8	192.3	640	48.3	155.1	26.7	1.2	18.4	2.4	12.6	2.3	6.9	1.1	5.7	1.1	92.2	4.7	15.7	619.9	10276.7	787.5
SMDH 00024b	1	2	45	562	604.8	584.9	571.6	551.7	33.2	10.3	110.4	111.7	19.9	22.9	99.7	321.8	25.4	80.5	13.9	1.2	9.2	1.2	4.6	1.1	2.3		1.1		50.1	2.4	21.5	741.5	12292.8	440.4
SMDH 00024b	2	3	40	554.9	592.3	573.9	563	544.6	29.3	10.3	105.2	108.1	18.4	19	100.9	318.2	24.2	78.1	12.8	2.3	8.1	1.2	4.6	1.1	2.3		1.1		44.4	2.4	22.9	729.3	12090.9	281
SMDH 00024b	3	4	65	356.2	381.2	368.9	364	351.7	17.2	4.5	67.5	69.3	12.3	12.7	65.7	205.1	15.7	51.3	8.1	1.2	4.6		2.3		1.1		1.1		28.4	1.2	12.9	427.4	7086.2	135.1
SMDH 00024b	4	5	50	416.3	453.2	437.9	420.1	404.8	33.1	11.5	86.9	81.																						

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm		
SMDH 00023	2	3	30	454.4	499.7	479.8	462.8	442.9	36.9	11.5	124.5	123.3	19.9	25.4	100.9	199	25.4	92.1	15.1	1.2	9.2	1.2	4.6	1.1	2.3		2.3		46.7	1.2	11.4	635.1	10529.8	336.3		
SMDH 00023	3	4	50	635	693.8	669.3	644.7	620.2	49.1	14.8	170.7	171.4	24.5	34.3	139.6	282.5	36.2	128.3	19.7	1.2	12.7	1.2	5.7	1.1	3.4		3.4		63.7	2.4	15.7	839.4	13916.5	517.4		
SMDH 00023	4	5	30	516	552.2	533.8	527.6	509.2	24.6	6.8	122.7	132.7	18.4	17.8	116.1	238.3	29	99.1	15.1	1.2	10.4	1.2	3.4		1.1		1.1		51.2	1.2	14.3	756.4	12540.2	490.3		
SMDH 00023	5	6	90	485.1	523.8	505.4	494.4	476	29.4	9.1	182.4	189.9	18.4	20.3	91.5	180.6	29	154	13.9	1.2	5.8	1.2	5.7		1.1		1.1		46.7	1.2	17.2	690.5	11448.3	637.6		
SMDH 00023	6	7	98	528.3	567.6	546.1	538.4	516.9	29.2	11.4	176.3	192.4	21.5	17.8	107.9	201.5	36.2	149.3	13.9	2.3	5.8	1.2	5.7	1.1	2.3		1.1		52.3	1.2	20	707	11721.3	548.4		
SMDH 00023	7	8	90	284.8	312.6	298.8	292.9	279.1	19.7	5.7	70	70.5	13.8	14	64.5	131.4	15.7	51.3	8.1	1.2	6.9	1.2	2.3		1.1		1.1		26.2	1.2	8.6	527.4	8744	236.4		
SMDH 00023	8	9	95	614.2	679.3	654.8	623.9	599.4	55.4	14.8	160.7	151.5	24.5	40.6	138.4	287.4	32.6	112	17.4	1.2	10.4	1.2	5.7	1.1	3.4		3.4		55.8	2.4	17.2	949.4	15739.2	557.9		
SMDH 00023	9	10	94	363.8	398.7	380.3	373.1	354.7	25.6	9.1	88.8	91.6	18.4	16.5	82.1	167.1	20.5	66.5	10.4	1.2	6.9	1.2	3.4	1.1	2.3		1.1		34.1	1.2	11.4	720.6	11945.9	281		
SMDH 00023	10	11	90	515.5	578.6	558.7	519.5	499.6	59.1	15.9	146.9	130.3	19.9	43.2	116.1	234.6	27.8	95.6	15.1	1.2	9.2	1.2	5.7	1.1	3.4		3.4	1.1	46.7	1.2	12.9	687.6	11399.9	371.5		
SMDH 00023	11	12	95	487.1	544.2	522.7	494.9	473.4	49.3	13.7	134.7	124.5	21.5	35.6	107.9	223.6	26.6	92.1	13.9	1.2	8.1	1.2	4.6	1.1	3.4		3.4		44.4	1.2	15.7	768.4	12739.3	447.1		
SMDH 00023	12	13	98	425	467.5	449.1	434.3	415.9	33.2	9.1	110.4	109.3	18.4	24.1	96.2	194.1	24.2	80.5	12.8	1.2	6.9	1.2	3.4	1.1	2.3		1.1		43.2	1.2	12.9	674.1	11175.3	374.2		
SMDH 00023	13	14	90	475.4	529.7	502.1	491.5	463.9	38.2	11.5	123.5	123.4	27.6	26.7	100.9	219.9	27.8	89.8	13.9	1.2	10.4	1.2	4.6	1.1	2.3		2.3		50.1	1.2	21.5	878.5	14564.8	479.5		
SMDH 00022b	0	1	20	737.7	812.5	795.6	739.4	722.5	73.1	15.2	204.5	185.8	16.9	57.9	154.1	353.9	40.1	137.5	23.1	0.9	12.9	1.5	6.7	1.3	2.7		3		75.4	5	16	272.9	4524.1	583		
SMDH 00022b	1	2	45	534.7	576.7	553.7	549.8	526.8	26.9	7.9	126.2	136.3	23	19	131.4	237.1	31.4	100.3	15.1	2.3	9.2	1.2	3.4	1.1	1.1		1.1		52.3	1.2	40.1	674.1	11175.3	363.4		
SMDH 00022b	2	3	80	330.2	362.8	350.5	334.6	322.3	28.2	7.9	86.8	83.4	12.3	20.3	73.9	151.1	18.1	60.7	10.4	1.2	6.9	1.2	3.4	1.1	1.1		1.1		28.4	1.2	20	397.8	6594.3	262.1		
SMDH 00022b	3	4	50	672.4	745	714.3	686	655.3	59	17.1	180.5	175	30.7	41.9	144.3	307.1	38.7	127.1	22	2.3	13.8	1.2	8	1.1	3.4		3.4		69.4	2.4	28.6	979.7	16242.6	599.8		
SMDH 00022b	4	5	75	576.6	639.8	612.2	588.2	560.6	51.6	16	158	153.8	27.6	35.6	120.8	261.6	32.6	113.1	18.6	1.2	12.7	1.2	6.9	1.1	3.4		3.4		61.4	2.4	18.6	705.8	11701.4	448.5		
SMDH 00022b	5	6	95	686.2	773.2	739.5	694.8	661.1	78.4	25.1	195.5	178.5	33.7	53.3	145.4	308.3	37.5	130.6	22	1.2	16.1	1.2	9.2	1.1	5.7	1.1	5.7	1.1	70.5	2.4	18.6	710.4	11778.1	433.6		
SMDH 00022b	6	7	90	617.7	713.9	671	634.4	591.5	79.5	26.2	185	165.5	42.9	53.3	130.2	271.5	35	120.1	19.7	1.2	13.8	1.2	9.2	1.1	5.7	1.1	6.8	1.1	63.7	3.5	22.9	813.2	13481.4	456.6		
SMDH 00022b	7	8	85	1520.5	1822.4	1713.5	1525.3	1416.4	297.1	104.1	492.2	380.3	108.9	193	317.8	670.7	83.4	260.1	44.1	2.3	38	4.7	32.1	6.9	20.6	3.4	31.9	4.5	158.2	5.9	27.2	493.5	8181	301.2		
SMDH 00022b	8	9	95	890.3	1015.6	966.5	900.6	851.5	115	38.8	260.3	230.1	49.1	76.2	191.2	395.5	48.3	166.8	29	2.3	18.4	2.4	12.6	2.3	9.1	1.1	10.2	1.1	87.6	3.5	17.2	731	12119.4	425.5		
SMDH 00022b	9	10	95	871.2	1037.8	970.3	889.5	822	148.3	49.2	268	213.7	67.5	99.1	187.6	389.4	47.1	149.3	26.7	2.3	19.6	2.4	14.9	3.4	12.6	1.1	12.5	2.3	84.2	3.5	21.5	555	9201.8	536.3		
SMDH 00022	0	1	15	648.4	758	727.3	658.4	627.7	99.6	20.7	209.4	162.9	30.7	78.9	134.3	306.9	33.8	119.3	19.9	1.4	12.1	1.5	8.3	1.6	3.7	0.7	4.1	0.8	65.8	4.8	21.5	420.2	6966.8	593.9		
SMDH 00022	1	2	25	589.6	709.5	669.6	608.5	568.6	101	21	194.4	143.3	39.9	80	121.9	282.2	30.2	104	18.2	1.3	10.8	1.4	7.7	1.7	4	0.7	4.6	0.9	53.9	4	24.6	545.3	9039.8	417.5		
SMDH 00022	2	3	25	617.1	694	660.3	630.2	596.5	63.8	20.6	171.4	160.8	33.7	43.2	134.9	276.4	33.8	117.8	19.7	1.2	12.7	1.2	8	1.1	4.6		4.6	1.1	55.8	2.4	20	970.8	16094.7	533.6		
SMDH 00022	3	4	25	4.9	4.9	4.9	4.9	4.9								1.1			3.8														1.4	710.6	11781	5.7
SMDH 00022	4	5	45	4.5	4.5	4.5	3.1	3.1	1.4	1.4	1.4	1.4				1.7			1.4													5.7	400.2	6634.1	1.9	
SMDH 00022	5	6	90	523.5	583	558.5	531.8	507.3	51.2	16.2	122.3	107	24.5	35	92.8	293.8	20.9	78.7	12.6	1.2	7.3	1.1	6.3	1.4	4.1		3.3		36.1	1.8	27.2	551.3	9139.3	428.7		
SMDH 00022	6	7	98	467.3	520.1	497.9	475.2	453	44.9	14.3	108.2	95.4	22.2	30.6	81.5	261.8	19.2	69.8	12.2	1.4	7.1	0.9	5.5	1	3.9		3		31.1	1.5	15.7	453.3	7515.6	395.2		
SMDH 00021b	0	1	60	436.9	484.9	460.8	450	425.9	34.9	11	92.1	83.5	24.1	23.9	66.7	263.2	16.1	62.4	10.2	0.8	6.5	0.8	4.2	0.8	2.7		2.5		35.8	1.7	14.3	692.3	11476.7	607.6		
SMDH 00021b	1	2	55	442	487.4	458.9	461.8	433.3	25.6	8.7	83.8	82.8	28.5	16.9	72.5	264	16.7	61.9	11.6	0.8	5.8	0.6	3.6	0.6	2.2		1.7		45.9	1.3	17.2	679.9	11272	464.1		
SMDH 00021b	2	3	80	379.8	413.3	394.3	390.7	371.7	22.6	8.1	73	74.1	19	14.5	67.9	217.4	16.3	54.2	9.7	0.7	5.5	0.6	3	0.6	2.1		1.8		40.6	0.9	14.3	528.8	8766.8	374.7		
SMDH 00021b	3	4	95	360.9	400.6	379.3	373.7	352.4	26.9	8.5	72.4	67.1	21.3	18.4	58.8	216.1	13.8	50.5	8	0.7	4.5		2.8	0.6	2.5		2.6		39.3	1.1	15.7	710.6	11781	526.5		
SMDH 00021b	4	5	75	685.4	740.2	717.3	692	669.1	48.2	16.3	139.4	133.2	22.9	31.9	113.5	402.4	27.2	98.8	15.8	1.5	9.9	1.1	6.1	1	4		4.1		50.5	1.4	15.7	700.3	11610.4	503.7		
SMDH 00021b	5	6	5	608.5	697.3	668.8	613.5	585	83.8	23.5	168.7	132	28.5	60.3	113.2	322.8	24.9	97.9	13.3	1.3	11.6	2.1	7.1	1.7	4.5	0.6	6.6	0.9	45.1	1.4	44.3	656.2	10879.6	510.6		
SMDH 00021b	6	7	90	656.7	725.5	692.5	673.9	640.9	51.6	15.8	152.9	142.9	33	35.8	119.5	357	27.2	107.1	16.8	1.4	11.9	1.9	6.7	1	2.7		3.5		52.9	1.2	31.5	828.8	13740.2	654.6		
SMDH 00021b	7	8	20	620.2	674	648.4	634.7	609.1	39.3	11.1	137.5	133.8	25.6	28.2	113.5	340.4	25.5	102.3	15.9	1	10.5	1.5	4.5	0.8	1.9		2.4		48.9	1.2	27.2	738.7	12247.3	498.3		
SMDH 00021b	8	9	65	620.4	703.5	644.3	671.7	612.5	31.8	7.9	181	199.8	59.2	23.9	99.3	299.1	43.7	151.9	10.9	1	6.6	1.1	3.1	0.6	1.6		1.5		35.3		42.9	823.8	13657.7	529.9		

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00019b	10	11	98	191.1	245.4	207.1	223.8	185.5	21.6	5.6	52.8	45.9	38.3	16	42.1	88.7	10.3	33.1	6.1	1.2	4	ppm	2.5	1.4	1.4	1.7	17.3	3.9	27.9	669.1	11092.8	404.3		
SMDH 00019b	11	12	85	221	267.2	236.1	246.5	215.4	20.7	5.6	55.5	50	31.1	15.1	43.3	113.6	10.8	36.4	6.1	1.2	4	0.6	2.2	1.7	1.1	19.2	1.5	32.9	1520.5	25208.4	842			
SMDH 00019b	12	13	90	172.1	214.1	181.1	201.9	168.9	12.2	3.2	38	36.1	33	9	34.4	90.2	8.5	26	4.9	1.4	3.5	1.6	0.8	0.8	14.8	0.9	35.8	1577.3	26149.6	797.9				
SMDH 00019b	13	14	95	398.1	451.4	428.5	410	387.1	41.4	11	97	84.8	22.9	30.4	76.3	211.4	19.5	60	11.5	1.3	7.1	0.9	4.4	0.9	2.9	33.8	2	21.5	873.7	14485.2	498.3			
SMDH 00019	0	1	30	461.2	499.6	488.9	460.1	449.4	39.5	11.8	109.4	102.5	10.7	27.7	80.6	247.6	22.1	73.9	14.7	1.3	9.2	1.3	5.2	0.9	2.7	1.7	46.2	5	17.7	514.6	8530.8	452.5		
SMDH 00019	1	2	40	495.1	542.2	523.2	503.4	484.4	38.8	10.7	125	120.4	19	28.1	113.9	230.4	25.6	88.9	14.3	2.1	9.2	1.1	4.8	0.9	2.5	1.4	37.3	1.2	18.6	691.1	11456.8	369		
SMDH 00019	2	3	45	168.5	194.3	179.9	180.7	166.3	13.6	2.2	47.3	43.8	14.4	11.4	45.6	68.3	9.9	32.5	5.1	2	2.9	1.4	0.8	0.8	8.1	0.6	44.3	986.4	16353.5	373.4				
SMDH 00019	3	4	40	80	113.4	91.9	98.2	76.7	15.2	3.3	28.9	20.3	21.5	11.9	17.1	36.7	4.3	14.3	1.7	1	1.6	0.6	1.1	0.7	0.9	6.5	3.2	20	989	16396.1	424.4			
SMDH 00019	4	5	70	314.7	356.9	337.7	327.4	308.2	29.5	6.5	84.5	76.7	19.2	23	71.4	147.4	16.4	56.7	9.6	1.2	5.5	0.8	2.8	0.6	1	1.3	30.6	0.9	12.9	786.9	13046.4	380.3		
SMDH 00019	5	6	98	432.1	495.4	471.2	446.2	422	49.2	10.1	122.1	104.3	24.2	39.1	95	202.3	22.6	75.8	15.7	1.3	9.3	1.8	4.1	0.8	1.9	41.8	1.1	12.9	805.6	13356.3	366.5			
SMDH 00019	6	7	95	499.5	575.3	547.2	514.3	486.2	61	13.3	149.9	127.1	28.1	47.7	108	230.4	26.2	94.2	16.2	1.3	9.9	1.8	4.9	1	2.5	49.8	1.5	11.4	840.1	13927.9	502.8			
SMDH 00019	7	8	85	438.4	502.7	479.2	450.7	427.2	52	11.2	128.5	110.1	23.5	40.8	94.4	205.1	23.3	80.8	13.7	0.9	9	1.4	4.6	0.8	2.1	46.4	1.4	10	781.6	12958.2	389.4			
SMDH 00019	8	8.5	50	461.2	521.7	498.5	473.8	450.6	47.9	10.6	129	114.2	23.2	37.3	99.1	218.2	23.8	84.6	15.5	1.3	8.1	1.4	4.4	0.8	2.1	1.9	47.6	1.2	11.4	768.4	12739.3	369.3		
SMDH 00018b	0	1	40	468.5	526.1	505.1	478.9	457.9	47.2	10.6	128.1	113	21	36.6	94.5	232.5	22.5	84.6	13.9	1	8.9	1.8	4.1	0.8	1.9	2	42	2.1	11.4	688.7	11417	508.2		
SMDH 00018b	1	2	25	968.4	1030.3	1001.3	978.9	949.9	51.4	18.5	183.2	189.8	29	32.9	177.4	547.7	41.9	138	26.2	2.4	16.3	1.8	8.1	1.3	3.3	0.7	3.3	68.2	2.8	21.5	830.9	13774.3	687.2	
SMDH 00018b	2	3	45	701.7	753.7	729.9	709.8	686	43.9	15.7	144.7	144.6	23.8	28.2	125.1	392.5	30.1	106.5	17.9	2	11.9	1.5	6.5	0.9	3.1	0.6	3.1	51.5	2.4	20	826	13694.7	557.5	
SMDH 00018b	3	4	45	583.1	635	614.6	585.1	564.7	49.9	18.4	123.6	116.1	20.4	31.5	103.4	321.6	25.7	83	18.1	1.7	11.2	1.3	6.1	1.1	4.8	0.7	3.8	0.6	43.5	2.1	18.6	694	11505.1	564.2
SMDH 00018b	4	5	40	603	663	637.8	609.4	584.2	53.6	18.8	130.1	120.2	25.2	34.8	103.7	337.3	26.5	85.3	18.2	1.6	11.6	1.4	7	1	4.3	0.6	3.9	0.6	44.7	2.9	21.5	672.4	11146.9	518
SMDH 00018b	5	6	90	549.4	599.6	578.6	553.7	532.7	45.9	16.7	116	109.6	21	29.2	97.2	307.6	23.7	79.1	14.3	0.9	9.9	1.2	5.6	1.1	4.6	0.6	3.6	39.6	2	18.6	593.1	9833.1	506.7	
SMDH 00018b	6	7	90	370.1	411.3	391.8	378.6	359.1	32.7	11	80.7	73.9	19.5	21.7	65.4	207.4	16.1	53.4	9.5	1.2	6.1	0.7	3.7	0.7	2.6	0.6	2.7	25.6	1.3	18.6	597.9	9912.7	525.2	
SMDH 00018b	7	8	30	540.9	606.5	579.4	548.5	521.4	58	19.5	123.7	106.8	27.1	38.5	98.2	298.9	23.3	74.6	14.3	1.7	10.4	1.4	7.5	1.3	4.6	0.7	4	38.1	3.1	27.2	607.5	10072	509	
SMDH 00018b	8	9	98	514.9	584.9	552.7	528.2	496	56.7	18.9	119.8	101.8	32.2	37.8	92.4	284.7	22	72.4	13.1	2.2	9.2	1.2	6.2	1.4	4.9	0.7	3.9	0.6	37.3	2.2	24.3	694	11505.1	590.2
SMDH 00018b	9	10	80	492.6	554	526.5	503.2	475.7	50.8	16.9	112	99	27.5	33.9	92.2	267.4	22.8	68.7	14.5	1.9	8.2	1.2	6.3	1.3	4.2	0.6	3.3	28.4	2	51.5	583.5	9673.9	379.4	
SMDH 00018b	10	11	80	313.2	397.7	360.7	337.5	300.5	60.2	12.7	111.5	78	37	47.5	65.9	145.6	15.3	56.7	9.4	1.3	6.3	1.4	4.6	1.1	2.6	3	25.8	1.4	41.5	690.4	11445.4	516		
SMDH 00018b	11	12	75	328.8	424.8	372.7	368.3	316.2	56.5	12.6	105.9	76.8	52.1	43.9	71.4	156.6	16.3	53.9	9.4	1.5	7.1	1.3	5.3	0.9	2.5	2.6	26.7	1.7	57.2	1110.8	18415.1	756.4		
SMDH 00018b	12	13	80	297.9	370.4	325.6	335.9	291.1	34.5	6.8	85.5	72.3	44.8	27.7	67.3	139.1	15.8	52.4	9.4	1.3	5.8	1.1	3	1.3	1.4	22.9	1.5	60.1	836	13859.6	581.1			
SMDH 00018	0	1	60	322.2	378.3	360.2	330.9	312.8	47.4	9.4	95.1	72.1	18.1	38	67.1	161.8	15.9	50.9	9.6	0.9	6.6	1.2	4.1	0.7	1.6	1.8	28.3	1.8	28.6	484.5	8033.1	645.3		
SMDH 00018	1	2	30	299	351.8	329.1	314.1	291.4	37.7	7.6	83.6	67.1	22.7	30.1	63.1	149.5	14.3	48.9	9.6	0.7	5.3	0.9	3	0.6	1.6	1.5	26.3	1.5	21.5	449	7444.5	617.7		
SMDH 00018	2	3	40	173.9	212.2	199.9	180.6	168.3	31.6	5.6	61.8	43.3	12.3	26	38.1	79.7	8.8	31.7	5.7	1.3	3	0.6	2.2	1.5	1.3	14.3	0.9	17.2	454.9	7541.2	333.1			
SMDH 00018	3	4	75	423.4	520.7	456.3	477.7	413.3	43	10.1	114.5	100.4	64.4	32.9	95.8	200.6	20.8	74.1	10.9	2	9.1	1.8	3.7	0.8	1.9	35.4	2.7	61.5	995.5	16504.2	780.6			
SMDH 00018	4	5	90	309.9	410.3	362	342.6	294.3	67.7	15.6	112.8	74.5	48.3	52.1	66.4	140.9	15.2	52.1	11.4	1.4	6.9	1.5	5.7	1.1	3.1	0.6	24.8	2	44.3	667.6	11067.2	607.9		
SMDH 00018	5	6	98	300.3	389	334.6	344.9	290.5	44.1	9.8	93.2	72.7	54.4	34.3	66.6	140.4	15.2	51.8	8.6	1.4	6.5	1.5	4.2	0.6	1.8	1.7	21.8	2	54.4	741.5	12292.8	547.1		
SMDH 00018	6	7	90	383.6	496	446	412	362	84	21.6	137.2	91.3	50	62.4	77.6	176.5	18.1	65.8	14.3	1.6	8.1	1.1	6.3	1.4	4.5	0.9	6.6	0.8	32.5	2	45.8	852.6	14135.5	647
SMDH 00018	7	8	85	478.8	612.3	562.9	500.3	450.9	112	27.9	176.1	112.3	49.4	84.1	98.3	219.4	21.9	81.4	17.5	1.6	10.8	1.4	7.6	1.9	6.6	1.1	39.9	2.6	40.1	806.3	13367.7	685.3		
SMDH 00018	8	9	95	387.4	497.2	442.9	422.2	367.9	75	19.5	129.2	88.6	54.3	55.5	82.8	179.7	17	63.9	13.9	2.1	8.5	1.2	6.5	1.1	3.8	0.7	5.6	0.6	32.1	2	48.6	930.7	15429.3	609.2
SMDH 00222	0	1	40	593.9	658.7	631.7	607.3	580.3	51.4	13.6	150.4	137.8	27	37.8	122.6	292.4	26.8	104.3	20.8	1.6	11.8	1.5	5.2	1	2.6	3.3	49	2.5	40.1	742.7	12312.7	833		
SMDH 00222	1	2	45	512	553.6	534.7	518.9	500	34.7	12	111.7	111.6	18.9	22.7	99.2	271	24.2	80.9	13.5	1.6	9.6	1.2	5.3	0.8	2.7	2	37.1	2.6	24.3	747.1	12386.7	663		
SMDH 00222	2	3	40	516.1	571	551.5	517	497.5	54	18.6	130.1	114.5	19.5	35.4	98	264.1	21.9	85.5	15.2	2.1	10.7	1.5	5.6	1.3	5.3	0.7	37.2	3.3	28.6	602	9981	549.9		
SMDH 00222	3	4	75	585.4	634.6	611.3	595.7	572.4	38.9	13	123.1	122.3	23.3	25.9	111.2	318.3	27.2	88.2	15.1	2.1	10.3	1.4	5.5	0.8	3	44.2	3.7	37.2	808.9	13410.4	821.3			
SMDH 00222	4	5	65																															

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00225	9	10	85	723.2	784.8	753.7	733.6	702.5	51.2	20.7	171.2	175.7	31.1	30.5	142.3	356.1	37.9	125.9	20.1	2.9	17.3	1.8	10.1	1	5.5		2.3		58	2.1	30	1053	17456.8	1086.3
SMDH 00225	10	11	40	655.4	720.4	688.3	665.7	633.6	54.7	21.8	159.6	156.7	32.1	32.9	128.7	322	32.4	113.4	20.8	2.4	13.9	1.4	9.5	1.1	6.3	0.6	2.3	0.6	47.6	2.4	28.6	1047.8	17371.5	1286.9
SMDH 00225	11	12	35	574.5	637.5	607.1	580.8	550.4	56.7	24.1	148.3	142.6	30.4	32.6	108.2	274.1	29.2	104	18.1	2.3	14.5	1.5	7.9	1.3	8.2	0.6	3.8	0.8	41.6	1.7	31.5	1055.5	17499.4	1232.9
SMDH 00226	0	1	45	840.6	900.8	878.6	840.6	818.4	60.2	22.2	175.1	174.3	22.2	38	126.5	489.9	38.5	124.6	22.5	1.3	15.1	2	9.2	1.6	4.8		3.9	0.7	65	2.8	22.9	673.2	11161.1	1132.5
SMDH 00226	1	2	50	658.8	727.6	695.2	672.7	640.3	54.9	18.5	141.9	134.6	32.4	36.4	104.4	379.7	31.1	93.9	17.7	2	11.5	1.5	8.1	1.5	4.2		3.2		43.2	2.6	22.9	731.2	12122.2	744.7
SMDH 00226	2	3	60	569.4	633.3	608.8	575.1	550.6	58.2	18.8	129.8	114.2	24.5	39.4	88	330.3	25.3	80.1	15.8	1.5	9.6	1.6	7.2	1.6	3.8	0.7	3.9		37.9	2.9	22.9	724.7	12014.1	588
SMDH 00226	3	4	80	397.3	437.2	422.8	398.4	384	38.8	13.3	89.9	82.2	14.4	25.5	61.5	227.9	18.7	56.9	11	0.9	7.1	1.1	5.5	1	2.9		2.8		27	1.9	14.3	473.9	7856.8	443.1
SMDH 00226	4	5	60	490.9	545.7	523.8	497.1	475.2	48.6	15.7	115.6	103.3	21.9	32.9	75.2	281.4	22	73.8	13	1.4	8.4	1.3	6.2	1	3.5	0.6	3.1		32.4	2.1	17.2	591.8	9810.4	675.9
SMDH 00226	5	6	80	451.2	499.3	478	460.1	438.8	39.2	12.4	92.5	85.2	21.3	26.8	69.9	268.7	20.7	58.4	12.5	1.2	7.4	0.9	5.2	0.9	2.6		2.8		31.4	1.5	20	585.4	9705.2	668.4
SMDH 00226	6	7	95	538.5	589	567.1	547.3	525.4	41.7	13.1	121.2	116	21.9	28.6	80.3	310	24.6	84.6	15.1	1.2	9.6	1.4	5.4	1	2.6		2.7		37.9	1.7	17.2	662.6	10984.8	766.4
SMDH 00226	7	8	80	517	568.1	549.4	520	501.3	48.1	15.7	115.5	105.3	18.7	32.4	77.5	302.9	23.4	73.6	14.1	1.2	8.6	1.4	6.9	1.3	3.1		3		34.4	1.5	17.2	632.6	10487.1	545.6
SMDH 00226	8	9	98	488.7	558.3	530.1	495.4	467.2	62.9	21.5	122.2	101.7	28.2	41.4	73.3	277.6	22.2	70.2	14	1.3	8.6	1.3	8	1.5	4.8	0.7	4.6	0.6	32.8	1.5	17.2	612.2	10148.8	586.9
SMDH 00226	9	10	95	460.2	557.9	535	461.5	438.6	96.4	21.6	169.4	116.8	22.9	74.8	102	204.2	23.8	81.8	15.1	1.6	10.1	2.2	9	1.4	5.3	0.6	3.1		37.8	1.9	27.2	644.9	10691.9	454.9
SMDH 00226	10	11	85	457.1	543.4	516.7	466.4	439.7	77	17.4	154.2	116.7	26.7	59.6	99.8	205.9	23.6	84	13.8	1.5	11.1	2.1	7	1.3	4.3		2.7		40.1	1.8	27.2	683.5	11331.7	451.4
SMDH 00226	11	12	95	534.1	633.5	602.5	544.6	513.6	88.9	20.5	177.2	134.7	31	68.4	122	237.7	27.4	96.7	16.8	1.5	11.5	2.7	7.9	1.4	4.8	0.7	3		45.3	2	35.8	727.1	12054	473.3
SMDH 00226	12	13	98	233.7	275.3	255.2	247.5	227.4	27.8	6.3	66.9	55.5	20.1	21.5	54.8	107.5	11.7	40.5	6.6	1.6	4.7	0.7	2.6		1.7		1.3		19.1	0.9	20	639.8	10606.6	379
SMDH 00227	0	1	10	689.1	731.6	725.5	679.8	673.7	51.8	15.4	174.2	173.1	6.1	36.4	147.5	325.5	37	127.4	21.6	1.7	13	1.5	7.2	1.1	3		2.6		65.7	5.7	32.8	492.8	8169.6	268
SMDH 00227	1	2	35	284	328.5	306	299.4	276.9	29.1	7.1	77.1	68.5	22.5	22	69.1	127.3	14.3	50.5	9.2	0.9	5.6	0.9	2.8	0.6	1.9		0.9		24.5	0.8	18.6	498.4	8263.5	283.8
SMDH 00227	2	3	50	219.3	262.5	242.3	232.1	211.9	30.4	7.4	68.9	55.6	20.2	23	50.7	96.7	10.9	41.3	6.7	1.2	4.4	0.9	2.5	0.6	2.1		1.3		18.5	0.9	18.6	449.7	7455.9	321.1
SMDH 00227	3	4	50	310.3	339.3	324.4	320.8	305.9	18.5	4.4	76.6	77.6	14.9	14.1	72	144.2	15.9	58.3	10	0.8	4.7	1.1	2.3		1		29.7	0.9	8.6	395.7	6560.2	318.5		
SMDH 00227	4	5	60	389	428.5	411.2	399.6	382.3	28.9	6.7	99.3	97	17.3	22.2	90.3	180.5	20.9	72.1	10.9	1	6.6	1.4	2.6	0.6	1.3		0.8		37.4	1.1	11.4	372.5	6176.3	422.9
SMDH 00227	5	6	55	643.1	684.9	665.3	647.5	627.9	37.4	15.2	127.1	129.8	19.6	22.2	116.7	361.4	26.6	95.5	17.2	1.7	8.8	1.5	6.2	1.1	3.7		2.7		57.5	1.5	8.6	559.8	9281.5	392.9
SMDH 00227	6	7	60	523.7	552.5	536.7	530.5	514.7	22	9	93.6	100.2	15.8	13	94.2	303	21.1	74.1	14.7	1.5	6.1	0.8	4.2	0.8	1.5		1.7		48.5	1.4	8.6	480.3	7962	432.9
SMDH 00227	7	8	95	673	725.8	701.1	679.4	654.7	46.4	18.3	140.7	138	24.7	28.1	120.4	376.3	27.1	103	17.6	1.7	8.6	1.6	6.3	1.5	4.8		4.1		60.3	1.3	12.9	686.1	11374.3	455.9
SMDH 00227	8	9	98	661.2	720.3	693.3	665.3	638.3	55	22.9	149.5	142.2	27	32.1	114.9	360.9	26.7	105.9	19	1.9	9	1.8	7.8	1.5	5.8	0.6	4.8	0.6	56.9	1.4	12.9	535.1	8872	347.7
SMDH 00227	9	10	98	479.3	523.7	505.1	481.6	463	42.1	16.3	104.4	96.8	18.6	25.8	86.3	264.2	19.8	70.7	14.1	1.6	6.3	1.3	5	1.1	4.5		4.4		42.8	1.3	10	436.4	7234.1	317.6
SMDH 00228	0	1	18	958.5	1031.5	1011.6	953.7	933.8	77.8	24.7	247.4	239.3	19.9	53.1	232.4	428.1	47.5	180.8	27.3	2.5	15.2	1.8	9.2	1.8	4.6	0.8	5.8	0.7	66.6	6	45.8	629	10427.4	402.3
SMDH 00228	1	2	50	450.4	499.7	477.3	456.5	434.1	43.2	16.3	105.3	95.4	22.4	26.9	84.7	239.2	19.2	68.5	12.8	2.2	7.5	1.3	6.4	1.1	4.2		3.3		37.1	2.6	28.6	955	15833.1	626.9
SMDH 00228	2	3	30	119.8	157.5	133.4	136.5	112.4	21	7.4	36.1	26.3	24.1	13.6	23.6	57.7	5.2	18.3	3.7	1.4	2.5		2.8	0.6	2.1		1.9		8.3	1.4	21.5	801.3	13285.2	628.1
SMDH 00228	3	4	50	324.4	365.8	349.4	327	310.6	38.8	13.8	77.9	64.9	16.4	25	57.2	179.5	13.2	45.5	9.6	1.2	4.4	0.9	5.3	1.1	3.7		2.8		26.4	1.5	11.4	461.1	7643.6	340.5
SMDH 00228	4	5	99	435.8	475.6	461.2	433	418.6	42.6	17.2	99.3	90.4	14.4	25.4	80.1	236.2	17.9	65.2	12.6	1.4	5.2	1.3	6	1.3	4.6		4		34.9	1.7	11.4	631.2	10464.4	381.3
SMDH 00228	5	6	98	98.7	115	105.8	104.5	95.3	10.5	3.4	24.7	20.3	9.2	7.1	19	54.3	3.6	14.7	1.6	0.9	1.2		2		0.7		0.7		7.6	0.6	12.9	524.9	8701.4	354.2
SMDH 00228	6	6.5	90	84.8	102.8	91.8	94.4	83.4	8.4	1.4	21.8	17	11	7	17.2	46.4	3.5	12.8	1.3	1.3	0.9		0.7		0.7			5.9	0.6	14.3	524.9	8701.4	390.8	
SMDH 00229	0	1	25	491.2	525	511.8	494.4	481.2	30.6	10	94.8	92.9	13.2	20.6	102.6	273.6	18.7	68.8	11.2		6.3	0.7	4.7	0.8	2.1		1.7		49.2	2.1	12.9	569.5	9440.7	528.3
SMDH 00229	1	2	30	959.2	1032.1	998.4	975.8	942.1	56.3	17.1	191.7	191.7	33.7	39.2	193.9	532.5	40.8	140.4	22	1.6	10.9	1.4	9.1	1.1	3.1		2.4		93.1	3.1	27.2	1070.3	17744	780
SMDH 00229	2	3	70	236.3	259.4	245.4	247.1	233.1	12.3	3.2	46.8	46.2	14	9.1	50.9	129.7	9.5	35	4.5	1	2.5		1.7		0.7		0.8		20.4	1.1	12.9	663.6	11001.8	305.4
SMDH 00229	3	4	75	131.3	157.4	140.4	145	128	12.4	3.3	29.6	25	17	9.1	28.7	69.3	6	17.6	3.1	1.5	1.8		1.4		0.8		1.1		10	1.3	15.7	789	13080.5	451.6
SMDH 00229	4	5	50	110.3	128.8	115.9	121.5	108.6	7.3	1.7	23.5	21.8	12.9	5.6	22.8	60.7	4.8	15.9	1.9	0.9	1.6		1.1			0.6		8.6	1.2	10	535.1	8872	482.1	
SMDH 00229	5	6	70	52.5	68.7	58.1	62.5																											

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00231	5	6	70	347.5	412.3	388.4	359.3	335.4	53	12.1	112.1	88.1	23.9	40.9	75.3	159.1	18.8	62.1	10.8	1.9	7.4	1.8	5.4	1	1.9		2	31.3	2	14.3	569.1	9435	358.6	
SMDH 00231	6	7	90	339.2	400.9	378.2	351.1	328.4	49.8	10.8	114.5	91.3	22.7	39	73.7	150.5	17.4	67.9	10.6	1.6	6.7	1.4	4.6	0.9	2.1		1.8	28	1.7	14.3	571.5	9474.8	274.6	
SMDH 00231	7	8	96	384.2	495.2	453.2	408.1	366.1	87.1	18.1	147.9	97.3	42	69	82	171.2	20.1	67.8	13.7	1.7	9.6	1.9	7.5	1.6	3	0.7	3.4	29.7	2	31.5	853.7	14152.5	592.1	
SMDH 00231	8	9	98	400.3	539.2	495.3	419.5	375.6	119.7	24.7	178.7	102.7	43.9	95	84.6	176.5	20.4	70.1	12.2	1.4	10.4	2.6	9.6	1.9	4.3	0.8	4.7	0.8	31.4	2.5	24.3	774.4	12838.8	459
SMDH 00231	9	10	80	488.5	604	571.2	497.3	464.5	106.7	24	176.5	116.4	32.8	82.7	95.2	238.6	24.2	80.6	13.9	1.6	10.4	2.5	9.1	1.7	4.8	0.8	4.3	0.8	37.8	3.2	22.9	744.7	12346.8	488.3
SMDH 00231	10	11	30	501.2	635.4	595.4	514.4	474.4	121	26.8	199.6	128.9	40	94.2	105.3	222	25.4	91.6	16.2	1.9	12	2.7	9.2	2.3	5.3	0.9	5.8	0.6	43.6	3.2	22.9	739.8	12264.4	470.2
SMDH 00231	11	12	95	492.4	578.9	550.1	504.1	475.3	74.8	17.1	160.3	126.7	28.8	57.7	111.2	219.5	26.3	91	14	2.2	11.1	2.2	7.2	1.3	3.1		3.3	39.8	2.7	35.8	722.4	11977.2	432	
SMDH 00231	12	13	50	474.2	521	494	492.1	465.1	28.9	9.1	102.1	101.5	27	19.8	104.6	240.8	21.1	74.6	13.2	1.9	8.9	1.4	4.4	0.8	1.5		1	41.6	1.9	31.5	812.3	13467.2	509.5	
SMDH 00231	13	13.5	70	594.3	653.3	624	610.3	581	43	13.3	142.1	138	29.3	29.7	125.5	294.9	27.8	101.5	17.2	2.2	11.9	2	6.7	0.9	2.1		1.6	53	3.1	38.6	872.7	14468.2	498.6	
SMDH 00232	0	1	20	795.4	856.3	841.1	789.6	774.4	66.7	21	187.9	176.4	15.2	45.7	169.7	400.7	35.5	129.7	21.9	1.3	15.6	2.6	8.6	1.6	3.7		3.9	0.6	72.4	4	12.9	710.8	11783.8	692
SMDH 00232	1	2	20	991.4	1065.9	1045	989.2	968.3	76.7	23.1	227	216.4	20.9	53.6	212.7	503.6	44.5	159.6	27.7	1.5	18.7	3.1	9.2	1.9	3.9	0.6	3.8	0.6	89.3	4.7	17.2	1235	20473.8	464.3
SMDH 00232	2	3	90	735.8	801.2	776.8	743.5	719.1	57.7	16.7	164.2	145.6	24.4	41	118.3	432.8	24.3	111.9	19	1.9	10.9	1.8	7.6	1.5	3.8		2	74.4	3.9	14.3	568.9	9432.2	383.8	
SMDH 00232	3	4	55	863.9	916.8	893.6	874.1	850.9	42.7	13	195.2	194.6	23.2	29.7	222.7	403.4	31.9	155	24.2	2.8	10.9	1.4	6.3	1.1	3.2		1	42.2	1.9	21.5	759.8	12597.1	346.9	
SMDH 00232	4	5	90	442	485.5	462.6	456.7	433.8	28.8	8.2	94.3	86.4	22.9	20.6	72.8	261.2	14.3	67.2	10.4	1.6	6.3	0.8	4.1	0.9	1.4		1	43	2.4	17.2	673.6	11166.8	473.7	
SMDH 00232	5	6	85	327.8	368.4	347.5	340.2	319.3	28.2	8.5	77.6	67.2	20.9	19.7	51.3	191.5	10.8	51.9	8	1.5	4.3	0.6	3.9	0.7	1.9		1.4	32.1	1.7	12.9	468.1	7760.1	338.4	
SMDH 00232	6	7	70	393.4	450.4	424.9	405.8	380.3	44.6	13.1	99.8	79.9	25.5	31.5	63.6	226.8	12.9	60.7	9.7	1.3	5.3	1.1	5.2	1.1	3.4		2.3	39.1	2.7	14.3	545.1	9036.9	447.2	
SMDH 00232	7	8	70	405	479.6	447.9	418.7	387	60.9	18	115.6	83.9	31.7	42.9	63.8	230.4	12.7	63.7	8.9	1.5	6	1.1	6.4	1.4	4.8	0.6	3.1	0.6	38.9	2.6	24.3	602	9981	500.3
SMDH 00232	8	9	90	352.4	403.9	384.1	359.5	339.7	44.4	12.7	90.8	68.8	19.8	31.7	57.2	204.3	11.1	51.8	8.8	1.4	5.1	1.1	4.8	1.3	3.5		2	33.7	2.5	15.7	440.5	7302.3	373.2	
SMDH 00232	9	10	98	339.3	398.6	371.8	352.1	325.3	46.5	14	93.1	69	26.8	32.5	53.7	192.9	10.4	52.6	8.9	2	4.8	0.8	5.2	1.1	3.8		2.5	0.6	30.5	2.6	22.9	495.5	8215.1	416.2
SMDH 00232	10	11	98	377.6	447.4	413.5	395.4	361.5	52	16.1	103.2	77.5	33.9	35.9	58.3	216	11.5	59.3	9.9	1.3	5.2	1.1	5.6	1.3	3.9	0.6	3	0.6	35.4	2.5	18.6	556.1	9218.9	462.5
SMDH 00232	11	12	99	448.4	520	492.7	458.4	431.1	61.6	17.3	137.2	115.1	27.3	44.3	97.1	203.9	24.2	81.6	12.4	2	9.9	2.1	7.2	1.5	3.1	0.6	2.8	37.9	2.9	27.2	753.8	12497.6	666.9	
SMDH 00232	12	13	90	378.3	443	422.1	381.8	360.9	61.2	17.4	127.8	102.2	20.9	43.8	77.9	168.4	19.7	73.9	10.6	1.5	8.9	1.9	6.7	1.3	3	0.7	3.8	31.6	2.5	24.3	566.7	9395.2	490.2	
SMDH 00233	0	1	25	385.2	436.4	413.1	396.7	373.4	39.7	11.8	107.4	98.2	23.3	27.9	82.8	178.7	19.9	72	10.4	1.2	8.4	1.9	4.4	0.8	2.3		2.4	33.1	2	20	585.1	9699.5	455.9	
SMDH 00233	1	2	20	356	410.8	379.7	376.2	345.1	34.6	10.9	99.2	92.9	31.1	23.7	76.5	162.1	18.6	68.2	11.1	1.2	7.4	1.5	4.6	0.8	2.2		1.8	30.2	2	25.7	608.9	10094.7	407.7	
SMDH 00233	2	3	65	374.9	416.9	394.2	389.7	367	27.2	7.9	96.2	95.8	22.7	19.3	82.7	174.2	20.4	70.7	9.9	1.5	7.6	1.5	3.2	0.6	1.3		1.3	32.8	2	18.6	679.9	11272	430	
SMDH 00233	3	4	70	378.5	422.6	401	391	369.4	31.6	9.1	96.9	94	21.6	22.5	81.3	177.7	20.8	67.8	12.2	1.2	8.4	1.4	4	0.6	1.6		1.5	34	2.2	18.6	635.1	10529.8	423.2	
SMDH 00233	4	5	70	412.3	461.9	437.8	425.5	401.4	36.4	10.9	109.3	104.1	24.1	25.5	92.8	188.3	21.9	75.3	12.6	1.6	8.9	2.1	4.8	0.7	1.8		1.5	34.9	2.7	44.3	595.7	9875.8	450.5	
SMDH 00233	5	6	85	322.4	375	349.2	337.1	311.3	37.9	11.1	93.9	81.7	25.8	26.8	69.8	147.3	16.2	58.7	9.4	1.6	8.3	1.5	5.3	0.8	1.9		1.6	27	2.4	31.5	561.4	9307.1	485.3	
SMDH 00233	6	7	85	348.6	413.6	386.6	362.4	335.4	51.2	13.2	94.5	70.3	27	38	60.6	191.9	15.1	48.8	10.2	1.3	7.5	1.1	5.3	0.8	3.5		2.5	30.7	2.4	20	628.6	10421.7	383.8	
SMDH 00233	7	8	95	378.7	435.5	406.8	397	368.3	38.5	10.4	91.1	77.7	28.7	28.1	67.3	210.2	15.9	56.5	9.6	1.2	7.6	0.9	4.4	0.7	2.5		1.9	32.4	1.9	18.6	686.1	11374.3	330.4	
SMDH 00233	8	9	92	328.4	370.3	349.9	340.7	320.3	29.6	8.1	74	65.6	20.4	21.5	58.8	183.5	14.3	46.4	9.5	1.2	6.6	0.8	4.1		1.9		29	1.8	15.7	563.4	9341.2	308.5		
SMDH 00233	9	10	90	378.8	420.4	398	394.4	372	26	6.8	80.7	75.9	22.4	19.2	70.1	208.1	15.9	55.8	12.4	1.5	8.2	0.8	3.4	0.6	1.1		0.9	32.5	2	21.5	644.4	10683.4	328.8	
SMDH 00233	10	11	98	337.6	372.5	355.5	347.5	330.5	25	7.1	73.7	69.1	17	17.9	62.3	187.8	14.3	50.3	8.6	1	6.2	0.9	3.6		1.6		1	30.5	1.8	14.3	529.5	8778.1	312.3	
SMDH 00233	11	12	95	378.6	410.7	395.4	387.7	372.4	23	6.2	72.8	70.1	15.3	16.8	72	216.7	15.1	51.1	9.7	1	6.8	0.7	3.2		1.5		0.8	36.2	1.5	12.9	534.8	8866.3	296.1	
SMDH 00233	12	13	98	475	526.9	499.6	492.5	465.2	34.4	9.8	99.4	93.5	27.3	24.6	91.5	264.7	20.4	67.5	12.3	1.7	7.1	1.1	4.5	0.8	1.9		1.5	37.8	1.9	25.7	678.2	11243.5	407.1	
SMDH 00233	13	14	50	409.4	480.3	454.5	419.7	393.9	60.6	15.5	113.2	83.6	25.8	45.1	73.9	224.4	16.7	59.1	11	1.2	7.6	1.1	6.7	1.1	4.1		2.5	35.5	2.4	14.3	686.1	11374.3	333.5	
SMDH 00233	14	15	70	281.2	319.7	300.8	292.6	273.7	27.1	7.5	67.3	59	18.9	19.6	51.5	154.2	12.1	43	6.8	0.8	5.3	0.7	3.2	0.6	1.7		1.3	23.7	1.5	11.4	545.3	9039.8	311	
SMDH 00233	15	16	95	120.3	160.4	136.3	141.1	117	19.3	3.3	41.7	29.3	24.1	16	27.1	52.9	5.8	22	3.5	2.2	3.5		1.5		0.9		8.3	1.1	15.7	644.4	10683.4	445.4		
SMDH 00233	16	17	98	327.6	401.3	368.5	349.1	316.3	52.2	11.3	109.4	85.1																						

BHID units:	FROM m	TO m	Rec %	TREO ppm	TREO+Y+Sc ppm	TREO+Y ppm	LREO+Sc ppm	LREO ppm	HREO+Y ppm	HREO ppm	CREO ppm	MagREO ppm	Sc ₂ O ₃ ppm	Y ₂ O ₃ ppm	La ₂ O ₃ ppm	CeO ₂ ppm	Pr ₆ O ₁₁ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₄ O ₇ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	ThO ₂ ppm	U ₃ O ₈ ppm	Nb ₂ O ₅ ppm	TiO ₂ ppm	FeTiO ₃ ppm	ZrO ₂ ppm
SMDH 00236	7	7.5	50	219.2	285.9	235.1	264	213.2	21.9	6	52.2	42.7	50.8	15.9	40.5	121.5	8.5	31.3	5.8	2.1	3.5	0.6	2.3		1.6		1.5		12.6	2.2	40.1	1291.9	21417.9	1222.1
SMDH 00237	0	1	30	280.1	308.2	295.6	285.7	273.1	22.5	7	63.9	57.7	12.6	15.5	48.7	156.5	10.8	43.6	7.2	1.5	4.8		3.3	0.7	1.7		1.3		20.1	1.5	17.2	629.1	10430.3	365.4
SMDH 00237	1	2	90	298	326.1	309.7	309.2	292.8	16.9	5.2	61.7	62.6	16.4	11.7	55.2	165.3	13.4	46.4	7.1	0.8	4.6		2.8		1.5		0.9		20.5	2	17.2	653.2	10828.4	479.5
SMDH 00237	2	3	96	234.2	256.3	242.2	245.3	231.2	11	3	49.8	50.4	14.1	8	49.6	122.7	10.3	38.6	4.8	1.7	3.5		1.5		0.8		0.7		10.4	0.6	22.9	540.3	8957.3	178.7
SMDH 00237	3	4	85	274.1	293.6	282.2	282.9	271.5	10.7	2.6	51.8	53.4	11.4	8.1	61	146.7	12.2	39.8	5.8	2.5	3.5		1.4		0.6		0.6		10.8	0.8	37.2	329	5454	215.2
SMDH 00237	4	5	98	394.3	430.9	412.2	404.2	385.5	26.7	8.8	87.4	84.8	18.7	17.9	73.8	213.6	16.9	63.2	10.4	1.6	6	0.7	4	0.7	2.1		1.3		24.2	1.8	22.9	506.7	8400	379.3
SMDH 00237	5	6	95	442	478.5	462.1	452.1	435.7	26.4	6.3	103	103.3	16.4	20.1	106.1	211.7	21.4	77.3	10.8	1	7.4	1.6	3		0.8		0.9		38.1	2.5	18.6	443.2	7347.8	268
SMDH 00237	6	7	98	222.2	249.2	238.5	227.8	217.1	21.4	5.1	63.4	56.3	10.7	16.3	51.4	100.5	10	43.3	6.4	0.8	4.7	0.9	2.1		1		1.1		18.5	1.5	14.3	342.2	5673	181.8
SMDH 00237	7	8	90	280.2	298.9	290.2	284.8	276.1	14.1	4.1	63.6	65.1	8.7	10	65.8	135.1	12.4	49.2	7.3	0.9	5.4	0.9	2.6		0.6				25.4	1.3	8.6	236.4	3918.5	115.6
SMDH 00237	8	9	98	283.4	314.1	304.1	287.3	277.3	26.8	6.1	74.5	66.7	10	20.7	65.1	134.4	13.7	49.2	8.2	0.8	5.9	0.9	2.9		1.3		1		25.8	2.1	11.4	260.7	4322.3	179.8
SMDH 00237	9	10	98	195.8	229.8	216.8	202.1	189.1	27.7	6.7	40.5	29.3	13	21	50.3	102.4	10.8	14.5	5.7	1	4.4	0.9	3.1		1.4		1.3		19.9	2.2	17.2	389.5	6457.8	277.9
SMDH 00237	10	11	98	146.9	164.9	154.9	154.7	144.7	10.2	2.2	36.9	34.3	10	8	34.1	69.8	6.3	26.6	4.3	0.9	2.7		1.4		0.8				12.4	1.3	12.9	314.6	5215.1	219.5
SMDH 00237	11	12	95	119.6	137.4	125.6	130.6	118.8	6.8	0.8	28.3	27.2	11.8	6	27.3	58.7	5.6	20.8	3.4	0.7	2.3		0.8						10	1.1	21.5	407.4	6753.5	277.9
SMDH 00237	12	13	98	441.3	480.1	465.8	446.2	431.9	33.9	9.4	114.2	108.5	14.3	24.5	110.8	199.6	20.4	82.1	9.2	1.6	8.2	1.5	4.5	0.6	1.4		1.4		28	2.6	48.6	425.4	7052.1	275.4
SMDH 00237	13	14	98	236.5	260.3	250.2	242	231.9	18.3	4.6	59.2	55.6	10.1	13.7	54.7	112.4	11	41.3	6.3	0.9	5.3	0.8	2.5		0.7		0.6		22	1.9	18.6	422.1	6998.1	265.7
SMDH 00237	14	15	95	470.5	521.9	502.6	478.6	459.3	43.3	11.2	109.1	95.1	19.3	32.1	100.3	245.9	20.3	69.9	12.9	2.2	7.8	1.3	3.6	0.7	3.2		2.4		20.8	1.3	57.2	809.2	13416	346.9
SMDH 00238	0	1	45	186	202	193	194	185	8	1	37.9	38.3	9	7	40.7	98.6	8	29.3	5.1	0.6	2.7		1						11	1.2	21.5	442.7	7339.3	275.8
SMDH 00238	1	2	30	178.8	232.1	205.7	195.5	169.1	36.6	9.7	59.1	38.9	26.4	26.9	33.1	89.3	7.5	26.4	6.8	0.8	5.2	1.2	3.8	0.6	2.5		1.6		7.1	0.9	22.9	533.8	8849.2	77.9
SMDH 00252	5	6	20	144.5	167.2	161.1	145.5	139.4	21.7	5.1	47.4	36	6.1	16.6	33.2	62.3	7.4	25.1	5.5	2.2	3.7	0.6	2.9	0.6	1			10.7	4.1	9.2	112.5	1865.4	121.8	
SMDH 00250	0	1	20	340.8	389.5	378.8	335.6	324.9	53.9	15.9	105.9	83.9	10.7	38	74.4	152.1	17.5	59.4	12.2	1.5	7.8	1.1	5.9	1.3	3.3	0.7	3.6		27.8	3.1	27.6	446.8	7407.5	501.6
SMDH 00248	2	3	25	558.1	642.1	619.1	555.7	532.7	86.4	25.4	168.4	134.3	23	61	119.6	257.6	28.9	94.7	18.1	2	11.8	1.5	9.2	1.9	5.1	0.9	6	0.8	46.7	3.9	33.2	595.2	9867.2	287.9
SMDH 00244	1	2	25	623.5	721	685.7	632.6	597.3	88.4	26.2	182.8	152.1	35.3	62.2	128.7	290.9	33.7	106.4	21.3	2.2	14.1	1.9	10.1	2.1	5.1	0.9	5.4	0.7	58.9	5.8	31.9	661.2	10962	438.2
SMDH 00243	4	5	15	831.1	943.1	895.6	850.6	803.1	92.5	28	232.1	210.5	47.5	64.5	172.6	389.4	44.8	153.8	25.6	1.9	15	1.8	10.1	2.2	5.7	1	6.4	0.8	77.4	2.8	25.7	595.7	9875.8	477.4
SMDH 00241	0	1	25	867.9	937	920.1	861.9	845	75.1	22.9	217.2	210.6	16.9	52.2	183.1	415.3	47.2	151.4	28.8	1.6	17.6	2.1	9.9	1.6	4	0.7	4.6		82.5	5.2	17.9	593.8	9844.5	727.7
SMDH 00256	3	4	20	504.6	570.3	538.1	521.7	489.5	48.6	15.1	137.2	129.2	32.2	33.5	102.4	231.7	26.8	94.7	20.2	1.3	12.4	1.3	6.4	1.1	3		3.3		57.7	3.1	20.3	513.7	8516.5	599.3
SMDH 00257	0	1	15	631.6	692	673.6	631.8	613.4	60.2	18.2	167.5	158.2	18.4	42	134.8	294.6	34.2	114.8	20.8	1.5	12.7	1.5	7.7	1.4	3.1	0.6	3.3	0.6	57.6	4.1	17.3	492.4	8163.9	698.2
SMDH 00257	1	2	20	909.9	1000	969.3	913.9	883.2	86.1	26.7	239.5	228.7	30.7	59.4	193.9	421.2	50.7	165	31.9	2.1	18.4	2.2	10.8	1.9	4.9	0.9	5.2	0.8	83.2	5.1	21.5	565.2	9369.6	520.9
SMDH 00257	3	4	20	67.4	79.3	71.6	74.5	66.8	4.8	0.6	18.8	16.2	7.7	4.2	16.5	29.5	3.5	12.1	2.1	1.9	1.2		0.6						5.2	1.8	11.3	156.8	2599	169.3
SMDH 00260	0	1	15	500	552.4	532.5	507.9	488	44.5	12	135.4	126.8	19.9	32.5	108.5	233.2	25.5	94.2	15.5	1.6	9.5	1.2	5.9	1	2.5		1.4		46.7	4	19.2	355.1	5886.2	232.9
SMDH 00264	11	11.5	50	320	352.2	341.5	323.1	312.4	29.1	7.6	84.5	78.7	10.7	21.5	70.5	148	17.4	56.7	11.4	1.7	6.7	0.8	3.8	0.7	1.5		0.8		31.4	3.9	20	250.3	4148.8	115
SMDH 00265	1	2	15	320.9	386.1	352.4	343.8	310.1	42.3	10.8	98.6	83.3	33.7	31.5	69.5	144.8	17.6	60.1	10.1	1.4	6.6	0.9	4.7	1	2.6		1.6		27.1	4.4	18.5	385.1	6383.8	58.2